



Annual Sampling Results
101 Green Acres Road Site
Valley Stream, New York
NYSDEC Site No. 1-30-084

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1 Site Overview

ENVIRON International Corporation (ENVIRON), on behalf of Bulova Corporation (Bulova), has prepared this annual report to document the findings of additional sampling activities conducted at the 101 Green Acres Road Site in Valley Stream, New York (the “Site”). The Site location is depicted on Figure 1. The scope of the sampling activities was based on the New York State Department of Environmental Conservation’s (NYSDEC) review of the *Additional Sampling Report* (ENVIRON, May 2011) and discussions during the project meeting on July 20, 2011 and detailed in the correspondence from NYSDEC dated July 25, 2011. As detailed in NYSDEC’s July 25, 2011 letter, this annual report provides results of semi-annual groundwater sampling (conducted in September 2011 and March 2012), annual indoor air sampling (conducted in March 2012), and annual inspection of the building slab and building HVAC system, also completed in March 2012. In addition, per NYSDEC’s request, the site *Operations and Maintenance Plan* (ENVIRON, March 2000) was updated to encompass all current sampling and monitoring activities. The revised *Operations and Maintenance Plan* (O&M Plan) was provided to NYSDEC on April 19, 2012. The site Declaration of Covenants will be updated to include reference to the revised O&M Plan, which will be provided to NYSDEC under separate cover.

The following sections provide relevant background information, a summary of the annual sampling and results completed at the Site, and present conclusions based on the results of the annual sampling activities. Detailed information regarding the Site history and the results of the prior investigation activities were previously provided to NYSDEC in reports prepared by ENVIRON and Weston Solutions, Inc. (Weston).

1.1 Site Description

1.1.1 Location and Physical Setting

The Site is located in the Town of Hempstead, Nassau County, New York in a mixed-use urban area with residential, commercial, and light industrial properties. The Site is included in the Lynbrook, New York USGS topographic quadrangle and the Site location is depicted on Figure 1. The Site covers approximately 7.2 acres and is bordered to the northwest and northeast by retail stores and paved parking areas. The Green Acres shopping mall is immediately northeast of the Site. The northern limits of the retail stores and parking areas are bordered by the Sunrise Highway and the Far Rockaway branch of the Long Island Railroad. A residential area is adjacent to the eastern property boundary. Light industrial facilities, including distribution and shipping companies, are located to the south of the Site at the Airport Industrial Office Park (AIOP). John F. Kennedy International Airport is approximately 2 miles southwest of the Site.

Hook Creek, an intermittent stream, is located beyond the western edge of the Site. The creek receives storm water drainage from the Site as well as from upgradient areas including paved parking areas, Sunrise Highway, and the Long Island Railroad adjacent to the Sunrise Highway. Hook Creek flows south, merges with Valley Stream approximately 0.5 miles south of the Site, and then flows to the west, discharging to Jamaica Bay. Clear Stream, located approximately 0.3 miles southeast of the Site, flows to the south and joins Valley Stream approximately 0.2

miles upstream of Hook Creek. In the vicinity of the Site, the Nassau/Queens County line roughly follows Hook Creek.

1.1.2 Geology

The Site is located within Long Island's glacial outwash plain, which extends 10 miles southward from the Ronkonkama and Harbor Hill terminal moraines to the south shore. Surface topography at the Site is flat, with surface elevations ranging from approximately 8 to 10 feet above mean sea level (amsl). Topography in the vicinity of the Site is also generally flat and gently slopes toward the south and southeast in the direction of Hook Creek and Valley Stream. The Site is underlain by upper Pleistocene deposits, which form the upper glacial aquifer. The upper Pleistocene deposits consist mainly of stratified beds of fine to coarse sand and of sand and gravel. Thin beds of silt and clay are often interbedded with the coarse-grained material. The upper glacial aquifer is underlain by the "20-foot" clay and the Gardiners Clay. The "20-foot" clay is lithologically similar to the underlying Gardiners Clay and the two units are distinguished primarily by stratigraphic position. In some portions of southern Nassau County, the "20-foot" clay is separated from the Gardiners Clay by a layer of upper Pleistocene deposits. The "20-foot" clay and the Gardiners Clay represent the major confining layers within the upper portion of the ground water reservoir beneath Nassau County. Additional information related to the regional geology is detailed in the Geologic Review and Well Record Search Results letter report (ENVIRON, April 16, 1998).

Based on observations during the prior site investigations, geologic conditions at and in the vicinity of the Site are consistent with the findings of regional geologic investigations. The Site is underlain by fine to medium sands. Ground water is located approximately 5 feet below ground surface (bgs). Regional geologic investigation reports indicate that the northern boundary of the "20-foot" clay is present in the vicinity of the Site, and the site investigation results indicate that the "20-foot" clay is discontinuous beneath the Site. Where the "20-foot" clay is present, a thin layer of upper Pleistocene deposits appear to be positioned between the "20-foot" clay and the Gardiners Clay. The top of the "20-foot" clay has been encountered at depths of 38 – 45 feet bgs and the top of the Gardiners Clay has been encountered at depths of 45 – 52 feet bgs.

1.1.3 Site History

Industrial operations at the Site are believed to have started in the late 1920s with the construction of the Curtiss-Wright Airport in 1929.¹ Airport related structures at the Site included airplane hangars and a portion of the runway. Although Curtiss Flying Service abandoned the airfield in approximately 1938, several other air service companies continued to operate the airfield. Occupants included the Columbia Aircraft Corporation, which built airplanes for military and private concerns between 1940 and 1948. The Bulova Watch Company leased the property from 1948 until 1960, when Bulova took title of the property.

¹ Information related to prior site operations was obtained from a Phase I environmental assessment performed by Certified Engineering and Testing Company during 1990.

When Bulova took occupancy of the Site in 1948, two airplane hangars existed on the eastern portion of the Site. Based on discussions with Bulova personnel, it is believed that Bulova connected the airplane hangars in 1952, creating Building No. 1. Building No. 2 was erected west of Building No. 1 in 1967. During Bulova's occupancy, the eastern and northern portions of the Site were paved; a portion of the paved area incorporated the original concrete airfield runway, which traversed the eastern portion of the property from north to south. Bulova ceased operations at the Site during 1990 and title of the property was transferred to Home Depot in April 1993.

The Site was redeveloped during 1993. Redevelopment included demolition of all existing Site structures and construction of a Home Depot retail store. The entire Site is currently covered by the Home Depot building and the associated paved parking areas. Potable water and sanitary service at the Site are provided by the local municipal authority. Storm water drainage from the building roof and paved parking areas is collected in a series of catch basins and directed via reinforced concrete piping beyond the eastern property boundary.

1.2 Prior Investigation/Interim Action Activities

Numerous phases of investigation and remediation have been completed at the Site, under the oversight of the NYSDEC. Based on the results of prior investigations and remedial actions at the Site, the NYSDEC determined that no further remedial actions are warranted at the Site. As detailed in the Record of Decision (NYSDEC; March 2000), NYSDEC determined that actual or threatened releases of hazardous waste constituents at the Site had been addressed through the implementation of interim response actions and that the response actions had significantly reduced the threat to public health and the environment. Based on the results of the investigations and response actions at the Site, NYSDEC determined in the Record of Decision that no further remedial action was required and that natural attenuation represented an appropriate alternative to address impacted ground water at the Site. Details of investigation and interim action results completed at the Site have been provided to NYSDEC in prior report submittals.

2 Annual Sampling Results

2.1 Overview

Pursuant to NYSDEC's July 25, 2011 correspondence and documented in the revised O&M Plan, the additional monitoring for the Site will include the following for a period of two years:

- Semi-annual groundwater sampling in September and March;
- Annual indoor air sampling in March for at least two years;
- Annual inspection of the building slab and building HVAC system.

As described above, the O&M Plan was revised to document the current monitoring for the Site. The primary objectives of the monitoring programs were to: (1) evaluate changes in conditions in ground water on-site; and (2) evaluate the effectiveness of the existing building slab and HVAC system at the Site which prior investigations demonstrated to be providing an effective mitigation measure to address the vapor intrusion exposure pathway.

The groundwater sampling activities completed in September 2011 and March 2012 and the March 2012 annual indoor air sampling and annual inspection of the building and HVAC conditions were completed in accordance with the revised O&M Plan. The vapor intrusion-related sampling activities outlined in the O&M Plan are consistent with the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (New York State Department of Health [NYSDOH], October 2006). Results of the annual sampling activities are summarized below.

2.2 Institutional Control and Environmental Covenant

Pursuant to the Record of Decision (March 2000), a Declaration of Covenants was placed on the property prohibiting the installation of potable water wells on-site and providing that non-potable wells may be installed only with approval of the Nassau County Department of Health and the NYSDEC. As described in prior reports, water is provided to the Site by the municipal water supply and therefore, groundwater is not used at the Site. Other than monitoring wells, no other non-potable or potable groundwater use wells have been installed at the property.

The site Declaration of Covenants will be updated to include reference to the revised O&M Plan, which will be provided to NYSDEC under separate cover

2.3 Groundwater Monitoring

2.3.1 Water Level Measurements and Sampling Procedures

Synoptic groundwater level measurements were collected in conjunction with the groundwater sampling events completed in September 2011 and March 2012. Monitoring well locations are depicted on Figure 2. The depth-to-water measurements were collected at each monitoring well using an electronic interface probe. The depth-to-water measurements and corresponding groundwater elevation data derived from the measurements are presented in Table 1. Potentiometric surface maps associated with the September 2011 and March 2012 gauging/monitoring events are provided as Figures 3 and 4. Consistent with the results of prior groundwater monitoring events at the Site, water level data collected during the

gauging/monitoring events indicates that groundwater flow is directed toward the southeast and generally coincides with local topography.

Groundwater samples were collected from monitoring wells MW-HD4, MW-HD6, and MW-HD7 during the September 2011 and March 2012 sampling events. The groundwater sampling activities were conducted using a stainless steel submersible pump equipped with dedicated discharge tubing. Initial water quality indicator measurements were collected prior to purging each well. The indicator parameters include pH, water temperature, specific conductance, dissolved oxygen, turbidity and oxidation/reduction potential. Water quality indicators were measured during purging and purging continued until indicator values had stabilized or until three well volumes had been purged from the well. Groundwater field parameters are provided in Appendix A.

Each groundwater sample was analyzed for the six primary constituents of concern identified in NYSDEC's March 2000 Record of Decision associated with the Site (i.e., tetrachloroethene [PCE]; trichloroethene [TCE]; 1,1,1-trichloroethane [TCA]; 1,1-Dichloroethane [1,1-DCA]; 1,1,-Dichloroethene [1,1-DCE]; and Freon 113). Laboratory services were provided by Accutest Laboratories of Dayton, New Jersey, an Environmental Laboratory Approval Program (ELAP)-certified laboratory. Laboratory deliverables are provided in Attachment A.

2.3.2 Groundwater Sampling Results

Analytical results from the September 2011 and March 2012 groundwater sampling events are summarized on Table 2. Consistent with prior sampling events at the Site, elevated VOC concentrations were detected in groundwater samples collected from monitoring wells at the southeast portion of the Site (i.e., MW-HD4). Reported VOC concentrations in groundwater samples collected from the other on-site and off-site monitoring wells were below the laboratory method detection limits and/or the corresponding Ambient Water Quality Standard. Consistent with the prior groundwater monitoring results at the Site, the reported VOC concentrations in groundwater at the southeastern portion of the Site have continued to display an overall decreasing trend. In addition, although the reported concentrations of several VOCs are above the NYSDEC Ambient Water Quality criteria, the reported VOC concentrations have decreased by more than three orders of magnitude since the interim response actions were completed at the Site. Charts depicting constituent concentrations in groundwater at the southeast portion of the Site (i.e., MW-HD4) are provided in Appendix B.

2.3.3 Quality Assurance/Quality Control Analytical Results

During the groundwater sampling activities, field and trip blanks were collected to evaluate equipment decontamination procedures and potential cross contamination during sample container storage and shipment. QA/QC samples were analyzed for the same constituents as described above and are reported in Table 3. VOCs were not detected above laboratory method detection limits in field and trip blank analytical results from the September 2011 and March 2012 groundwater sampling events.

2.4 Vapor Intrusion Evaluation

2.4.1 Building Walkthrough Survey

As noted above, a vapor intrusion investigation was completed during March 2012 to further evaluate the vapor intrusion exposure pathway at the Site. Prior to conducting the vapor intrusion investigation, a building walkthrough survey was completed to identify potential background sources of indoor air contamination. Based on the information provided by the store manager and the pre-sampling building walkthrough, Site conditions have not changed since the prior vapor intrusion sampling events at the Site. Therefore, a copy of the previously completed form is provided as Appendix C.

2.4.2 Annual Inspection of Building Conditions

The current site owner maintains the building condition and performs periodic maintenance of the building HVAC system. A copy of the HVAC system maintenance for the Site is provided as Appendix D. In addition, it is ENVIRON's understanding that no maintenance was required for the building slab (i.e., no cracks requiring sealing were present).

2.4.3 Sample Collection

The vapor intrusion sampling activities were completed on March 27, 2012 and included the following:

- Collection of indoor air samples from locations positioned adjacent to or in the vicinity of each previously-sampled indoor sub-slab soil gas sampling location; and
- Collection of a concurrent ambient air sample from the rear parking area at the Site.

Vapor intrusion investigation sampling locations are depicted on Figure 2. As described above, each indoor air sample location was positioned immediately adjacent to or in the vicinity of the respective sub-slab soil vapor location. All sampling canisters were positioned in the breathing zone, approximately 3 to 5 feet above the floor surface. The ambient air sample location was positioned outside of the building in an area that is reasonably representative of background conditions and was not adjacent to high traffic areas.

Sampling activities took place during normal business hours, while the heating, ventilation, and cooling (HVAC) system and the building's doors were operating in a manner consistent with normal operating conditions. Home Depot store personnel confirmed that the HVAC system was in normal operation during the time that the samples were collected.

Samples were collected using laboratory-provided 6-liter stainless steel Summa® canisters, and transported to an ELAP-certified laboratory. Laboratory services were provided by Accutest Laboratories of Dayton, New Jersey. Consistent with previous vapor intrusion investigations at the Site, each sample was analyzed for PCE, TCE, TCA, 1,1,-DCA, 1,1-DCE, and Freon 113 using USEPA Method TO-15. Each Summa® canister was equipped with a regulator pre-set by the laboratory to correspond to an 8-hour sampling time. Laboratory deliverables are provided in Attachment A.

2.4.4 Vapor Intrusion Investigation Results

The indoor air and ambient air sampling results associated with the vapor intrusion sampling activities conducted during March 2012 are summarized in Table 4. A summary of the recent indoor air sampling results, sorted by date, is presented in Appendix E.

As described in prior reports, several factors, including but not limited to, building construction, building size, and air circulation, can influence the migration of sub-slab soil vapor into indoor air and serve to address potential unacceptable exposure via the vapor intrusion pathway. For example, the competent concrete slab throughout the warehouse-style building at the Site and the expected nominal positive pressure within the building to account for air exchanges associated with routine retail operations at the Site (e.g., opening of customer doors and shipping/receiving area doors) can serve to address potential unacceptable exposure via the vapor intrusion pathway. As described above, no changes have been observed in the building slab condition and there are no reports of changes to the air circulation system.

As summarized in Table 4, VOC detections in the indoor air samples were limited to PCE and Freon 113. Additional discussion regarding the indoor air sampling results follows:

- Low concentrations of PCE (ranging from 1.3 to 6.2 $\mu\text{g}/\text{m}^3$) were detected in indoor air samples collected during the March 2012 sampling event. However, all of the reported PCE concentrations are below the NYSDOH Air Guidance Values, USEPA benchmark values for indoor air quality in public and commercial buildings, and corresponding Occupational Indoor Air Standards.
- The Freon 113 detection from samples collected during March 2012 was limited to the indoor air sample collected at sample location ENV-02. The reported Freon 113 concentration (*i.e.*, estimated concentration 0.54 J $\mu\text{g}/\text{m}^3$) is well below the Occupational Indoor Air Standard of 7,600,000 $\mu\text{g}/\text{m}^3$. As NYSDOH has not published an Air Guidance Value for Freon 113, ENVIRON calculated a human health, risk-based indoor air screening criterion to support the evaluation of the indoor air concentration identified during the vapor intrusion investigation. Details regarding the criterion development process are provided in Appendix F. As presented in Table 4, the reported Freon 113 concentration in the March 2012 sample at ENV-02 is well below the risk-based criterion of 130,000 $\mu\text{g}/\text{m}^3$.

Based on the results of the March 2012 sampling events and comparison with prior sampling events (see Appendix E), no significant human exposures are occurring via the vapor intrusion pathway. These data support the prior conclusions that the existing building at the Site and its HVAC system serve as an effective mitigation measure to address the vapor intrusion exposure pathway.

2.5 Data Usability

In accordance with Section 2.1 and Appendix 2B of the draft *Technical Guidance for Site Investigation and Remediation* (DER-10), ENVIRON has included a Data Usability Summary Report associated with each sampling event described above. The Data Usability Summary Reports are included as Appendix G. As presented in Appendix G, the data usability review

determined that the data deliverables associated with each sampling event were complete and that the data quality was acceptable.

3 Conclusions

As detailed above, ENVIRON completed annual sampling activities at the 101 Green Acres Road Site in Valley Stream, New York. The annual sampling activities included the collection and analysis of groundwater samples from two on-site monitoring wells and one off-site monitoring well and the collection and analysis of indoor air and ambient air samples from several locations at the Site. The findings of the annual sampling activities can be summarized as follows:

- Consistent with the results of prior groundwater sampling events at the Site, analysis of groundwater samples collected from monitoring wells located at the southeast portion of Site identified certain VOCs at concentrations above the corresponding Ambient Water Quality Standards. However, reported VOC concentrations in ground water at the southeastern portion of the Site have continued to display an overall decreasing trend and the reported VOC concentrations have decreased by more than three orders of magnitude since the interim response actions were completed at the Site. Reported VOC concentrations in groundwater samples collected from the downgradient portion at the Site and from the off-site monitoring well were all below the laboratory method detection limits and/or the corresponding Ambient Water Quality Standard. At the time of the Record of Decision associated with the Site (NYSDEC; March 2000), NYSDEC determined that natural attenuation represented an appropriate alternative to address impacted ground water at the Site. Similar to prior sampling results, the recent groundwater monitoring activities have confirmed that VOC concentrations in groundwater are continuing to decrease and that off-site ground water has not been impacted. As such, it would appear that natural attenuation continues to be an appropriate alternative to address the remaining impacted ground water at the Site.
- Reported VOC concentrations in indoor air samples were below corresponding NYSDOH Air Guidance Values, Calculated Health-Based Indoor Air Criterion, USEPA benchmark values for indoor air quality in public and commercial buildings, and Occupational Indoor Air Standards. Based on the vapor intrusion investigation results, the existing building at the Site and its HVAC system continue to serve as an effective mitigation measure to address the vapor intrusion exposure pathway and no significant human exposures are currently occurring via the vapor intrusion pathway at the Site.

4 Schedule

As detailed in the O&M Plan, Bulova will complete additional groundwater monitoring activities during September 2012 and March 2013 to further evaluate groundwater concentration trends at the Site. In addition, Bulova will complete additional indoor air monitoring activities and inspection of the site building conditions during March 2013 to further evaluate the vapor intrusion exposure pathway at the Site.

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Tables

TABLE 1
Groundwater Elevation Data
101 Green Acres Road
Valley Stream, New York

Monitoring Well	Top of Casing Elevation (Feet AMSL)	September 30, 2011 Data		March 27, 2012 Data	
		Depth-to-Water (Feet)	Groundwater Elevation (Feet AMSL)	Depth-to-Water (Feet)	Groundwater Elevation (Feet AMSL)
MW-HD1	9.93	N/A	--	5.77	4.16
MW-HD2	9.45	N/A	--	N/A	--
MW-HD3	9.93	N/A	--	N/A	--
MW-HD4	10.09	5.52	4.57	6.27	3.82
MW-HD5	9.45	4.79	4.66	5.55	3.90
MW-HD6	9.97	5.49	4.48	6.22	3.75
MW-HD7	9.33	4.70	4.63	5.48	3.85
Abbreviation: AMSL: Above mean sea level N/A: Not Accessible Notes: MW-HD2 and MW-HD3 were destroyed during recent site improvement work					

TABLE 2
Summary of Groundwater Analytical Results - September 2011/March 2012
101 Green Acres Road
Valley Stream, New York

Location		MWHD4	MWHD4	MWHD6
ENVIRON Sample ID	NYSDEC Ambient Water	MWHD4-110930	MWHD4-120327	MWHD6-110930
Matrix	Quality Standard -	Groundwater	Groundwater	Groundwater
Sample Date	Source of Drinking Water	9/30/2011	3/27/2012	9/30/2011
Comments				
Volatile Organic Compounds				
1,1-Dichloroethane	5	97.9 (5)	16.9 (0.19)	0.93 J (1)
1,1-Dichloroethene	5	901 (5)	128 (0.28)	2.9 (1)
Tetrachloroethene	5	4.7 J (5)	2.6 (0.32)	ND (1)
1,1,1-Trichloroethane	5	2130 (50)	255 (0.24)	0.34 J (1)
Trichloroethene	5	224 (5)	40.7 (0.21)	0.82 J (1)
1,1,2-Trichloro-1,2,2-trifluoroethane	5	18.8 J (25)	5.5 J (0.49)	ND (5)

Notes:

- 1 All concentrations are presented in ug/L (ppb). Detection limits are in parentheses.
- 2 Bold concentrations exceed the NYSDEC Ambient Water Quality Standard (Source of Drinking Water).

Abbreviations:

ND -- Not Detected.
J -- Estimated Concentration.

TABLE 2
Summary of Groundwater Analytical Results - September 2011/March 2012
101 Green Acres Road
Valley Stream, New York

Location		MWHD6	MWHD6	MWHD6
ENVIRON Sample ID	NYSDEC Ambient Water	MWHD6-110930D	MWHD6-120327	MWHD6-120327D
Matrix	Quality Standard -	Groundwater	Groundwater	Groundwater
Sample Date	Source of Drinking Water	9/30/2011	3/27/2012	3/27/2012
Comments		Field Duplicate		Field Duplicate
Volatile Organic Compounds				
1,1-Dichloroethane	5	0.97 J (1)	ND (0.19)	0.21 J (0.19)
1,1-Dichloroethene	5	3.1 (1)	1.1 (0.28)	1.1 (0.28)
Tetrachloroethene	5	ND (1)	ND (0.32)	ND (0.32)
1,1,1-Trichloroethane	5	0.4 J (1)	1.2 (0.24)	1.3 (0.24)
Trichloroethene	5	0.88 J (1)	0.41 J (0.21)	0.38 J (0.21)
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND (5)	ND (0.49)	ND (0.49)

Notes:

- 1 All concentrations are presented in ug/L (ppb). Detection limits are in parentheses.
- 2 Bold concentrations exceed the NYSDEC Ambient Water Quality Standard (Source of Drinking Water).

Abbreviations:

ND -- Not Detected.
J -- Estimated Concentration.

TABLE 2
Summary of Groundwater Analytical Results - September 2011/March 2012
101 Green Acres Road
Valley Stream, New York

Location		MWHD7	MWHD7
ENVIRON Sample ID	NYSDEC Ambient Water	MWHD7-110930	MWHD7-120327
Matrix	Quality Standard -	Groundwater	Groundwater
Sample Date	Source of Drinking Water	9/30/2011	3/27/2012
Comments			
Volatile Organic Compounds			
1,1-Dichloroethane	5	ND (1)	ND (0.19)
1,1-Dichloroethene	5	ND (1)	ND (0.28)
Tetrachloroethene	5	ND (1)	ND (0.32)
1,1,1-Trichloroethane	5	ND (1)	ND (0.24)
Trichloroethene	5	0.79 J (1)	0.74 J (0.21)
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND (5)	ND (0.49)

Notes:

- 1 All concentrations are presented in ug/L (ppb). Detection limits are in parentheses.
- 2 Bold concentrations exceed the NYSDEC Ambient Water Quality Standard (Source of Drinking Water).

Abbreviations:

ND -- Not Detected.
J -- Estimated Concentration.

TABLE 3
Summary of Quality Assurance/Quality Control Analytical Results
101 Green Acres Road
Valley Stream, New York

Location	QAQC	QAQC	QAQC	QAQC
ENVIRON Sample ID	FB-110930	FB-120327	TB-110930	TB-120327
Matrix	Blank Water	Blank Water	Blank Water	Blank Water
Sample Date	9/30/2011	3/27/2012	9/30/2011	3/27/2012
Comments	Field Blank	Field Blank	Trip Blank	Trip Blank
Volatile Organic Compounds	ND	ND	ND	ND

Notes:

- 1 None of the targeted constituents were detected at concentrations greater than the laboratory method detection limit

Abbreviations:

ND -- Not Detected.

TABLE 4
Summary of Indoor Ambient Air Analytical Results - March 2012
101 Green Acres Road
Valley Stream, New York

Location ENVIRON Sample ID Date Sampled Matrix Comment	NYSDOH Air Guideline Value	USEPA Indoor Air Benchmark (90th Percentile)	Calculated Human Health Risk-Based Indoor Air Criteria	Occupational Indoor Air Standard	ENV-01 IA01-120327 3/27/2012 Indoor Air	ENV-02 IA02-120327 3/27/2012 Indoor Air	ENV-03 IA03-120327 3/27/2012 Indoor Air	ENV-04 IA04-120327 3/27/2012 Indoor Air	ENV-05 IA05-120327 3/27/2012 Indoor Air	ENV-06 IA06-120327 3/27/2012 Indoor Air	QAQC AA-120327 3/27/2012 Ambient Air
Volatile Organic Compounds											
1,1-Dichloroethane	NA	< 0.7	NC	400,000	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)
1,1-Dichloroethylene	NA	< 1.4	NC	20,000	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)
Freon 113	NA	NA	130,000	7,600,000	ND (0.26)	0.54 J (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)	ND (0.26)
1,1,1-Trichloroethane	NA	20.6	NC	1,900,000	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)
Tetrachloroethylene	100	15.9	NC	680,000	2.4 (0.19)	1.6 (0.19)	6.2 (0.19)	2.2 (0.19)	1.3 (0.19)	2.9 (0.19)	ND (0.19)
Trichloroethylene	5	4.2	NC	540,000	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)

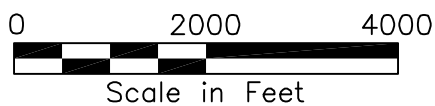
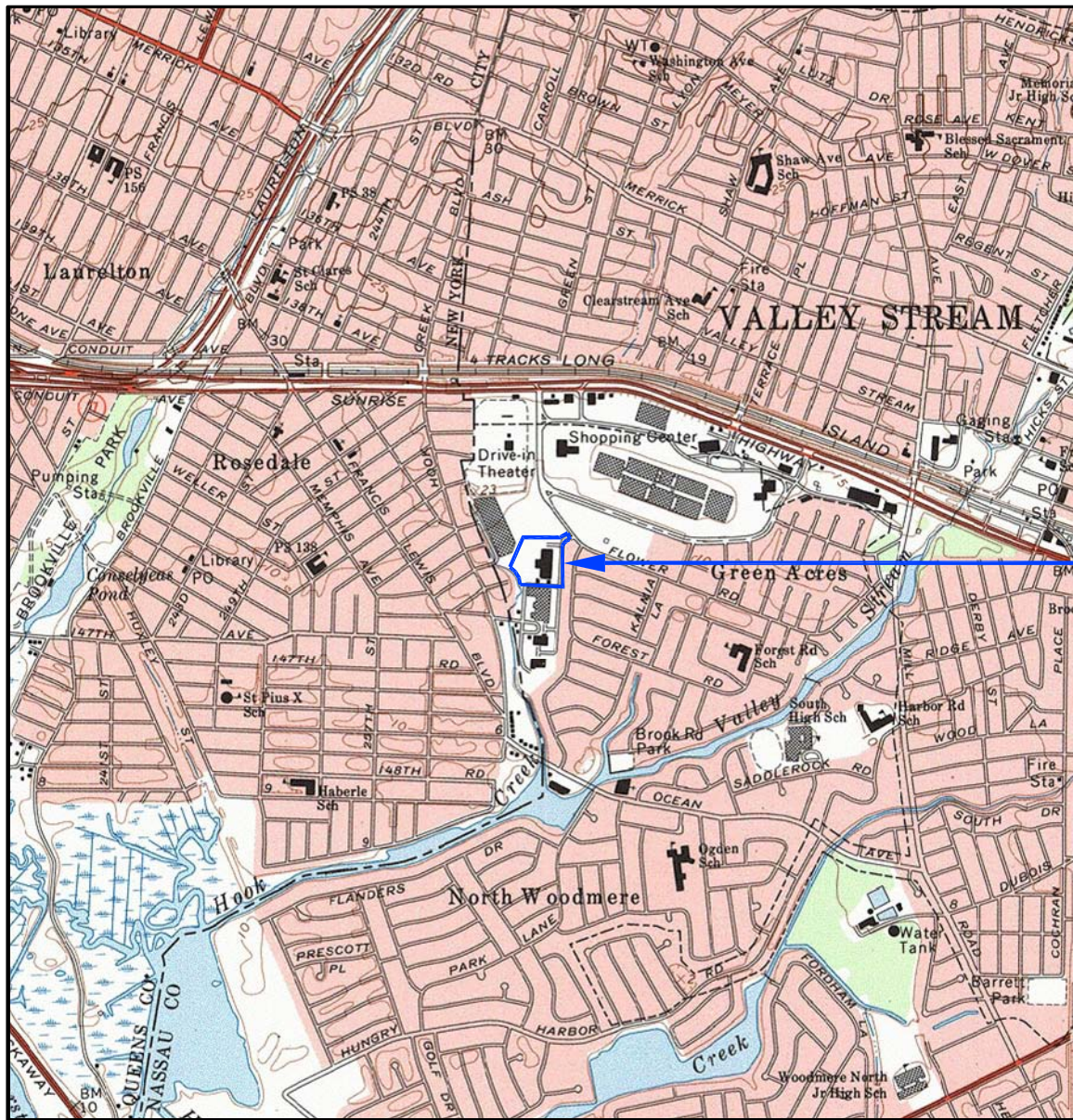
Notes:

- 1 All concentrations are presented in $\mu\text{g}/\text{m}^3$. Detection limits are in parentheses.
- 2 Calculated Risk-Based Criteria developed based on a routine indoor worker scenario.
- 3 Occupational Indoor Air Standard represents the lowest of the corresponding OSHA PEL, ACGIH TLV, and NIOSH REL.

Abbreviations:

ND -- Not Detected.
NA -- Not Available.
NC -- Not Calculated.
J -- Estimated Concentration.

Figures



SOURCE: 40°39'35" N, 73°43'28" W WGS84 TOPOI map printed on 01/20/00 from "NYC.tpo"

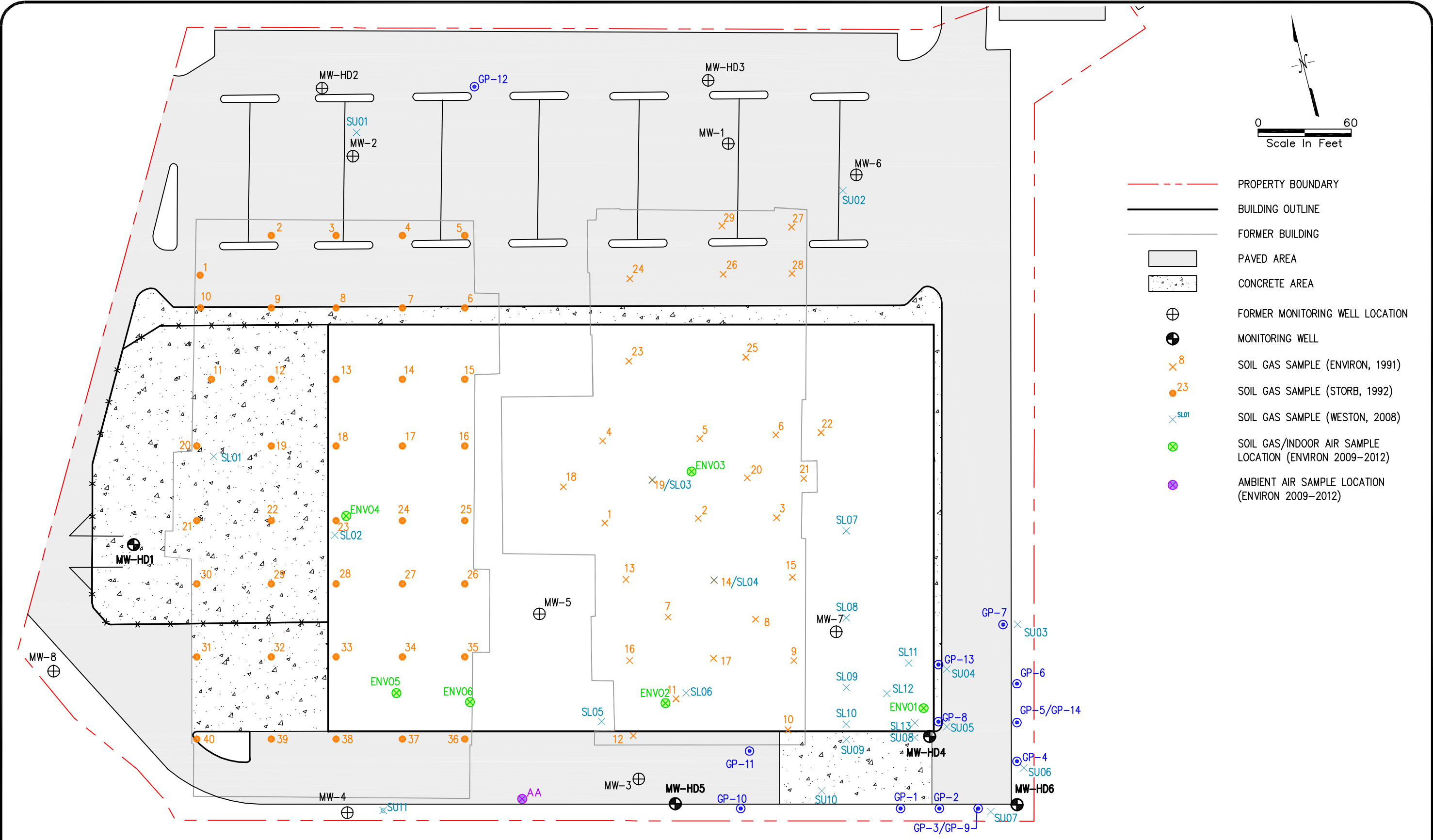
ENVIRON

DRAFTED BY: KPM/PMASCARO DATE: 2/19/09

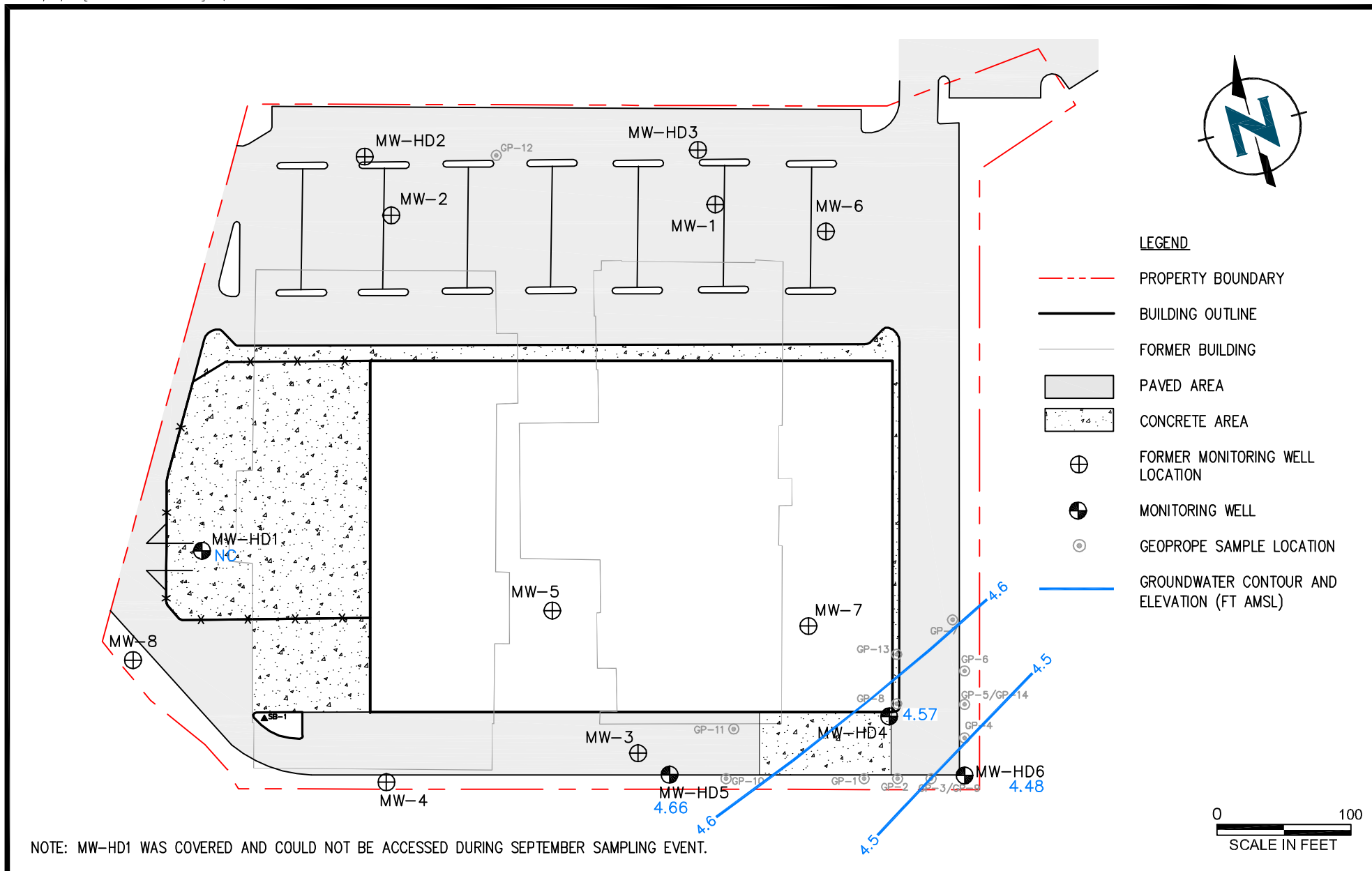
SITE LOCATION MAP
101 GREEN ACRES ROAD SITE
VALLEY STREAM, NEW YORK

FIGURE
1

021961BJ01



SOURCE: HENDERSON AND BODWELL CONSULTING ENGINEERS GRADING & UTILITIES PLAN, SEPT. 1992



ENVIRON

www.environcorp.com

GROUND WATER POTENTIOMETRIC SURFACE - SEPTEMBER 30, 2011

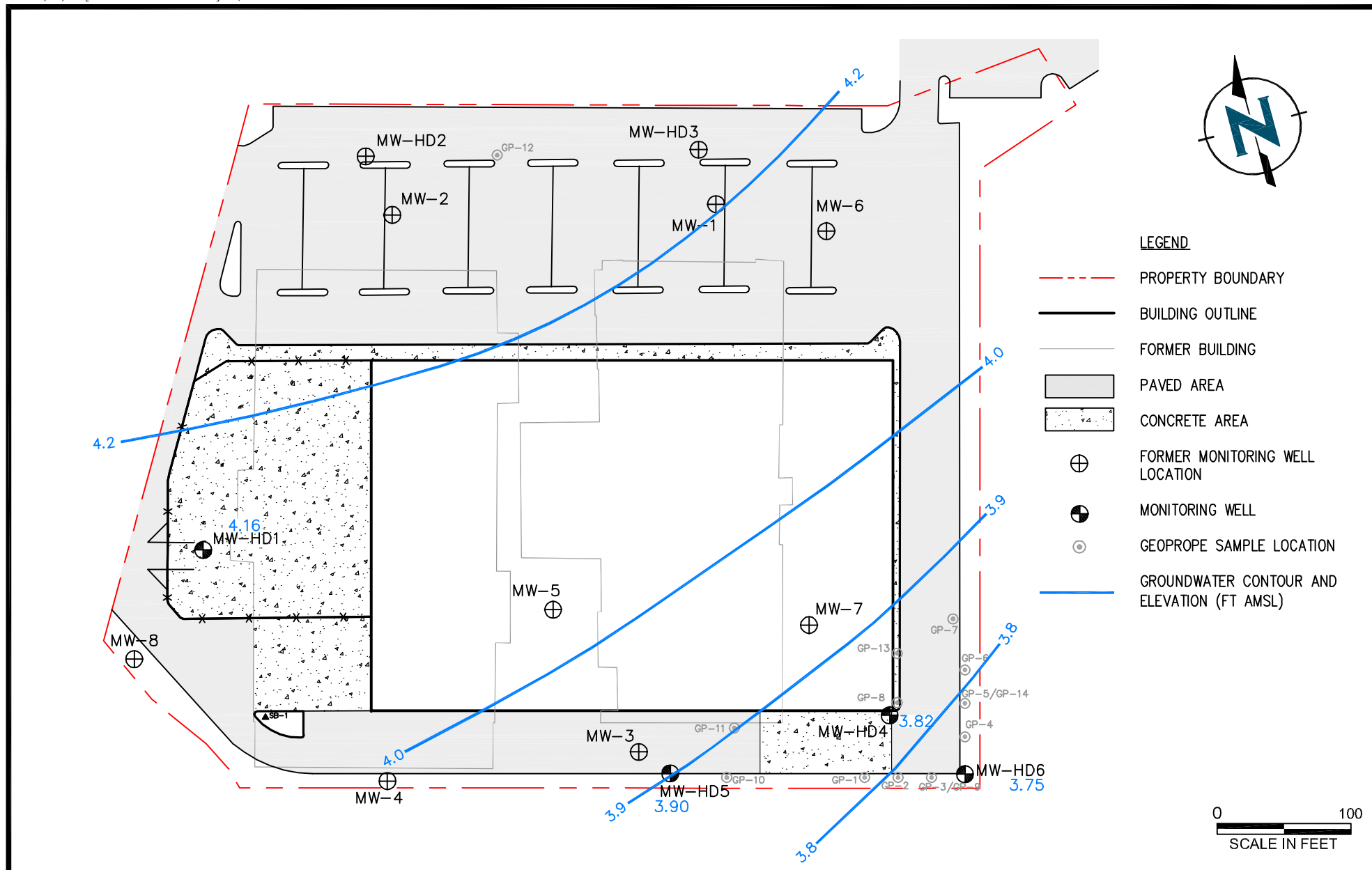
101 GREEN ACRES ROAD SITE
VALLEY STREAM, NEW YORK

FIGURE
3

021961B

DRAFTED BY: TSP

DATE: 06/13/2012



ENVIRON

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DRAFTED BY: TSP

DATE: 06/13/2012

101 GREEN ACRES ROAD SITE
VALLEY STREAM, NEW YORK

FIGURE
4

021961B

Appendix A

Groundwater Field Parameters

Appendix A
Ground Water Field Parameters
101 Green Acres Road
Valley Stream, New York

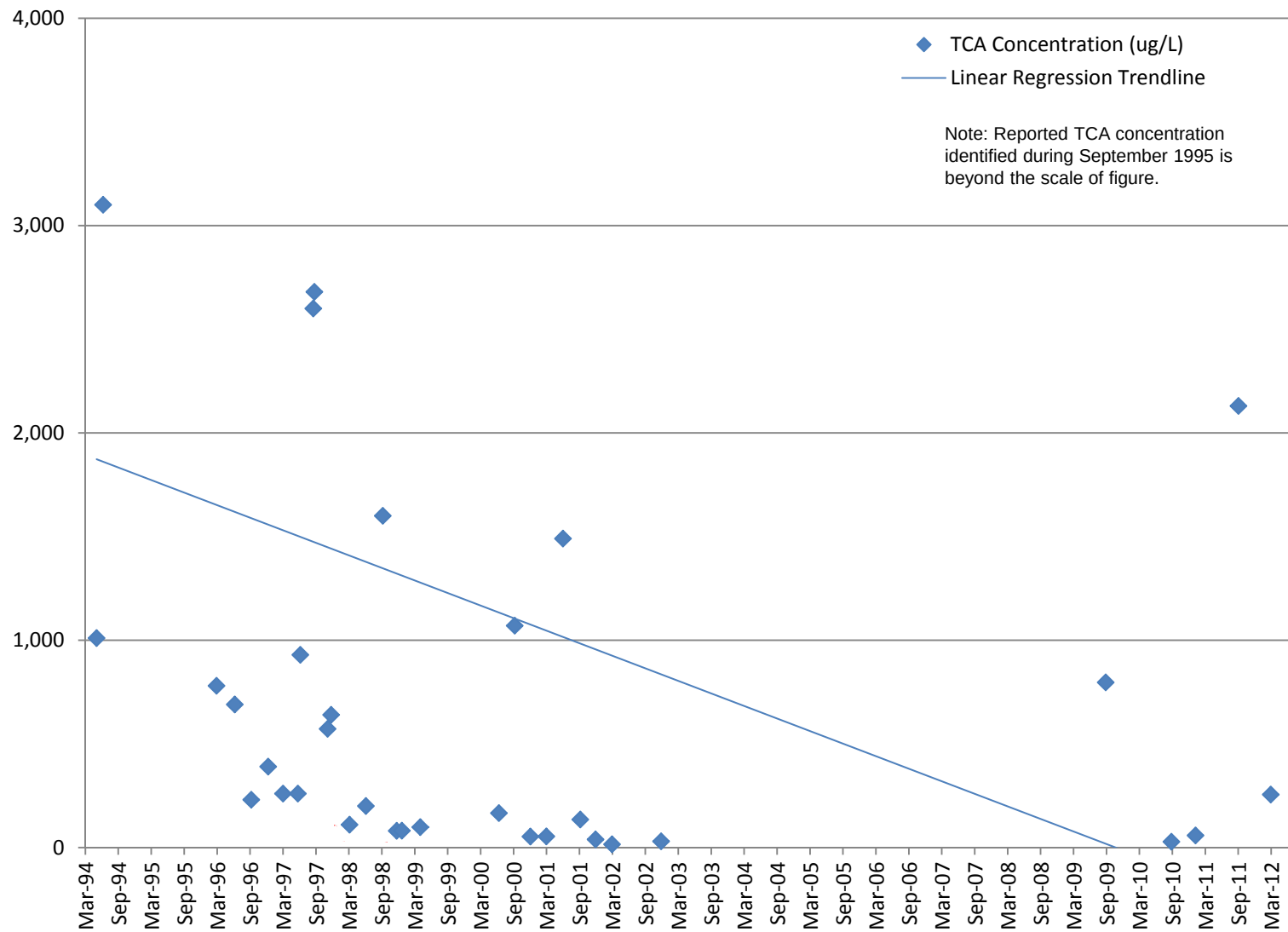
Sample Point ID	MWHD4	MWHD6	MWHD7
Date	9/30/2011	9/30/2011	9/30/2011
Weather Conditions	Sunny, 65 °F	Sunny, 65 °F	Sunny, 65 °F
PID Reading (ppm)	ND	ND	ND
Free Product Thickness	ND	ND	ND
Total Depth (ft)	14.60	14.15	40.00
Depth to Water (ft)	5.52	5.49	4.70
Height Water Column (ft)	9.08	8.66	35.30
One Casing Volume (gal.)	5.93	1.41	5.75
Three Volumes (gal.)	17.79	4.23	17.26
Actual Purge Volume (gal.)	20	10	19
Purge Start Time	0949	1030	1126
Purge End Time	1015	1054	1147
Flow Rate (gpm)	~ 0.7	~ 0.4	~ 0.9
Date Sampled	9/30/2011	9/30/2011	9/30/2011
Time Sampled	1015	1054	1147
Purge Method	SP	SP	SP
Sampling Method	TB	TB	TB
Depth to Water After Purge (ft)	5.60	5.50	4.80
Depth to Water Before Sampling (ft)	5.60	5.50	4.80
SAMPLING/PURGE METHOD			
ND = not detected SP = submersible pump TB = Teflon bailer			
FIELD PARAMETERS	MWHD4	MWHD6	MWHD7
Initial			
pH	5.84	6.02	6.00
Specific Conductivity (µs/cm)	0.70	0.55	1.70
Turbidity (NTU)	166.0	407.0	>999
Dissolved Oxygen (ppm)	4.30	0.10	0.06
Temperature (°C)	21.20	19.60	15.40
Oxygen Reduction Potential (mV)	215	86	27
During Purging			
pH	6.02	5.55	5.53
Specific Conductivity (µs/cm)	0.63	0.54	1.13
Turbidity (NTU)	4.2	76.1	>999
Dissolved Oxygen (ppm)	0.00*	0.00*	0.00*
Temperature (°C)	22.20	19.50	15.20
Oxygen Reduction Potential (mV)	160	71	35
After Purging / At Sampling			
pH	6.01	5.59	5.58
Specific Conductivity (µs/cm)	0.63	0.54	1.17
Turbidity (NTU)	11.3	60.7	>999
Dissolved Oxygen (ppm)	0.00*	0.00*	0.00*
Temperature (°C)	22.20	19.60	15.40
Oxygen Reduction Potential (mV)	157	72	30
SAMPLING/PURGE METHOD			
ND = not detected SP = submersible pump TB = Teflon bailer * = dissolved oxygen readings below instrument detection limit			

Appendix A
Ground Water Field Parameters
101 Green Acres Road
Valley Stream, New York

Sample Point ID	MWHD4	MWHD6	MWHD7
Date	3/27/2012	3/27/2012	3/27/2012
Weather Conditions	Cloudy, ~50°F	Cloudy, ~50°F	Cloudy, ~50°F
PID Reading (ppm)	1.3	ND	ND
Free Product Thickness	ND	ND	ND
Total Depth (ft)	14.6	14.15	40
Depth to Water (ft)	6.24	6.22	5.48
Height Water Column (ft)	8.36	7.44	34.52
One Casing Volume (gal.)	5.45	1.21	5.63
Three Volumes (gal.)	16.35	3.64	16.88
Actual Purge Volume (gal.)	17	4	17
Purge Start Time	1023	954	758
Purge End Time	1123	1015	851
Flow Rate (gpm)	0.28	0.36	1.31
Date Sampled	3/27/2012	3/27/2012	3/27/2012
Time Sampled	1120	1010	849
Purge Method	SP	SP	SP
Sampling Method	TB	TB	TB
Depth to Water After Purge (ft)	6.32	6.22	5.51
Depth to Water Before Sampling (ft)	6.32	6.22	5.51
SAMPLING/PURGE METHOD			
ND = not detected			
SP = submersible pump			
TB = Teflon bailer			
FIELD PARAMETERS	MWHD4	MWHD6	MWHD7
Initial			
pH	5.99	6.06	4.5
Specific Conductivity (µs/cm)	0.649	0.585	0.633
Turbidity (NTU)	241	>1000	8.3
Dissolved Oxygen (ppm)	4.2	7.96	6.05
Temperature (°C)	15.22	10.32	12.24
Oxygen Reduction Potential (mV)	91	93	294
During Purging			
pH	6.06	5.94	5.87
Specific Conductivity (µs/cm)	0.652	0.554	0.905
Turbidity (NTU)	1.7	58.2	115
Dissolved Oxygen (ppm)	1.74	5.85	5.97
Temperature (°C)	17.23	13.07	15.41
Oxygen Reduction Potential (mV)	76	78	21
After Purging / At Sampling			
pH	6.18	5.94	6.01
Specific Conductivity (µs/cm)	0.654	0.555	0.888
Turbidity (NTU)	0.6	21.1	54
Dissolved Oxygen (ppm)	0.88	4.97	1.74
Temperature (°C)	17.39	13.28	15.45
Oxygen Reduction Potential (mV)	76	76	14
SAMPLING/PURGE METHOD			
ND = not detected			
SP = submersible pump			
TB = Teflon bailer			

Appendix B

MW-HD4 Groundwater Contaminant Concentration Trends

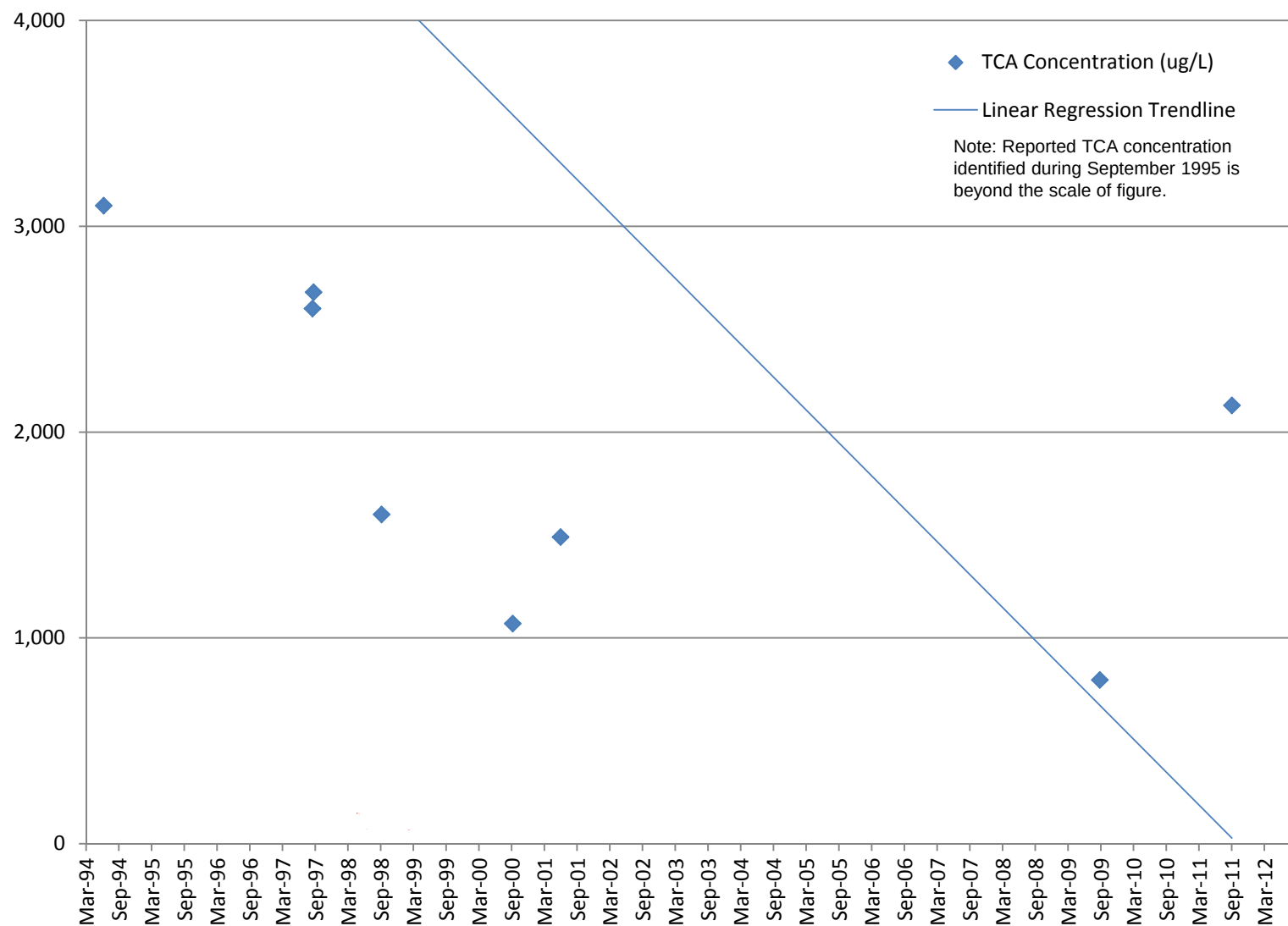


Historical 1,1,1-TCA Concentrations – MW-HD4 101 Green Acres Road – Valley Stream, NY

FIGURE
B-1

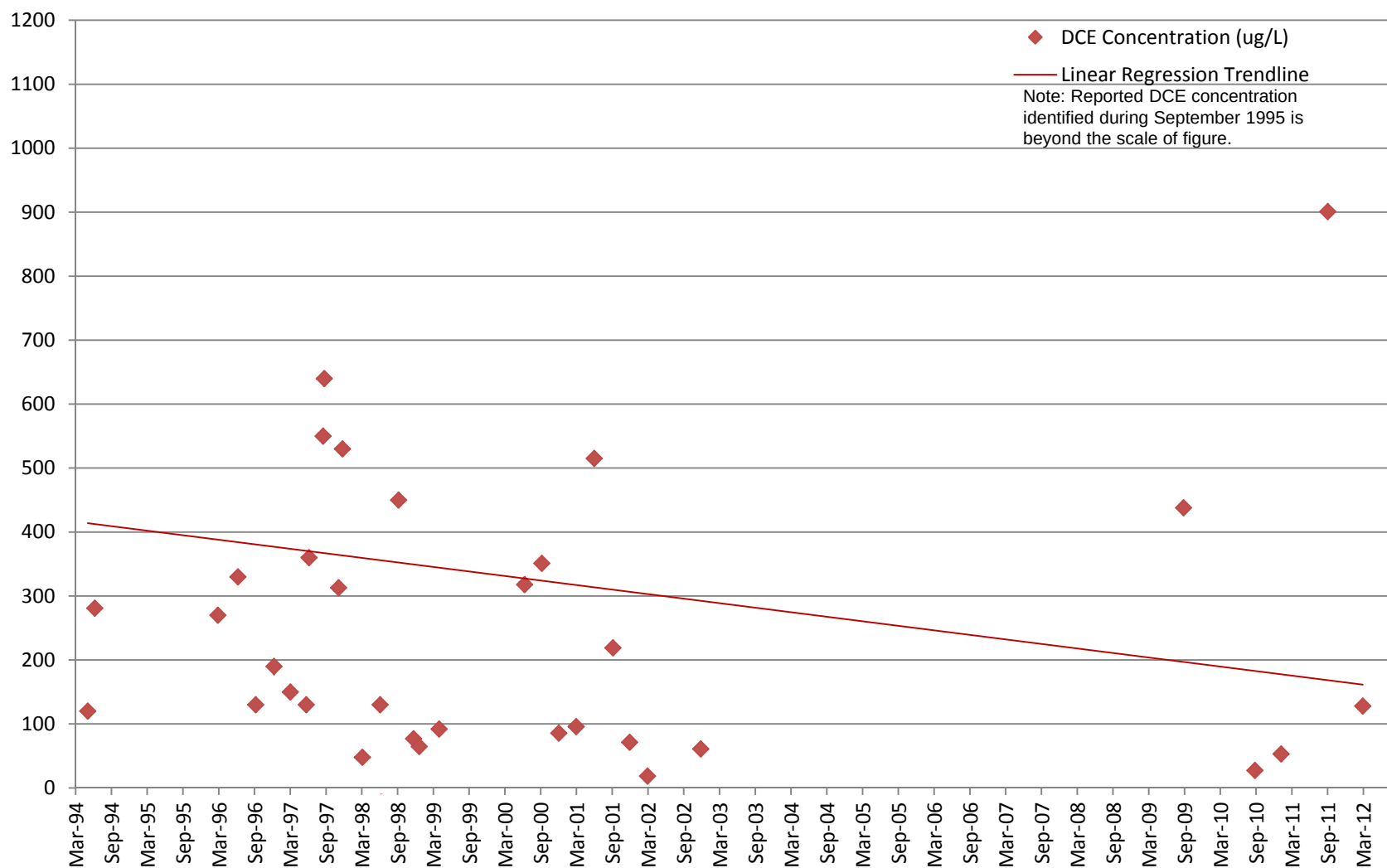
DRAFTED BY: NJS

DATE: 6/13/2012



**Historical June/Sept. Peak 1,1,1-TCA Concentrations – MW-HD4
101 Green Acres Road – Valley Stream, NY**

**FIGURE
B-2**

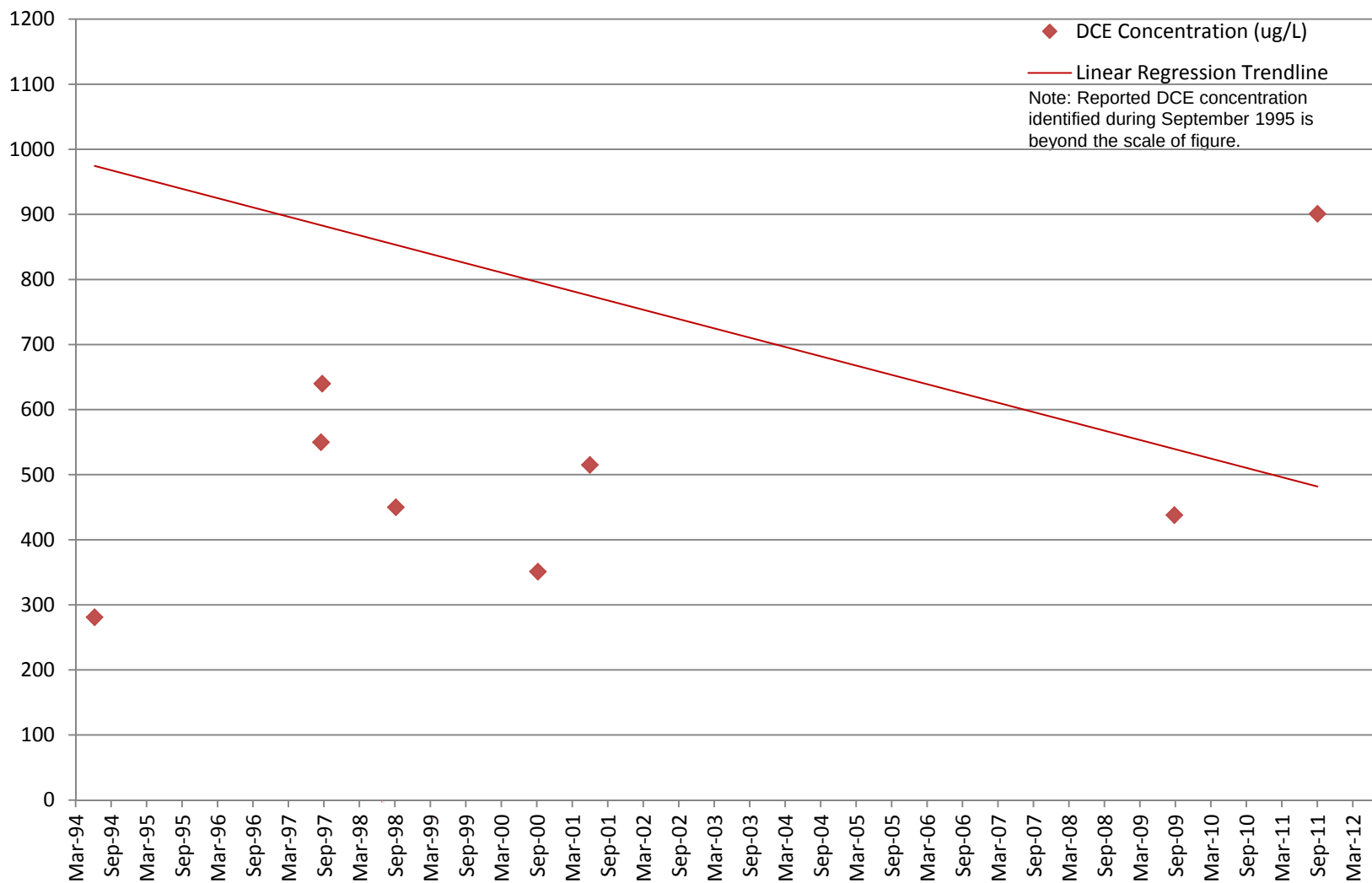


DRAFTED BY: NJS

DATE: 6/13/2012

Historical 1,1-DCE Concentrations – MW-HD4 101 Green Acres Road – Valley Stream, NY

FIGURE
B-3

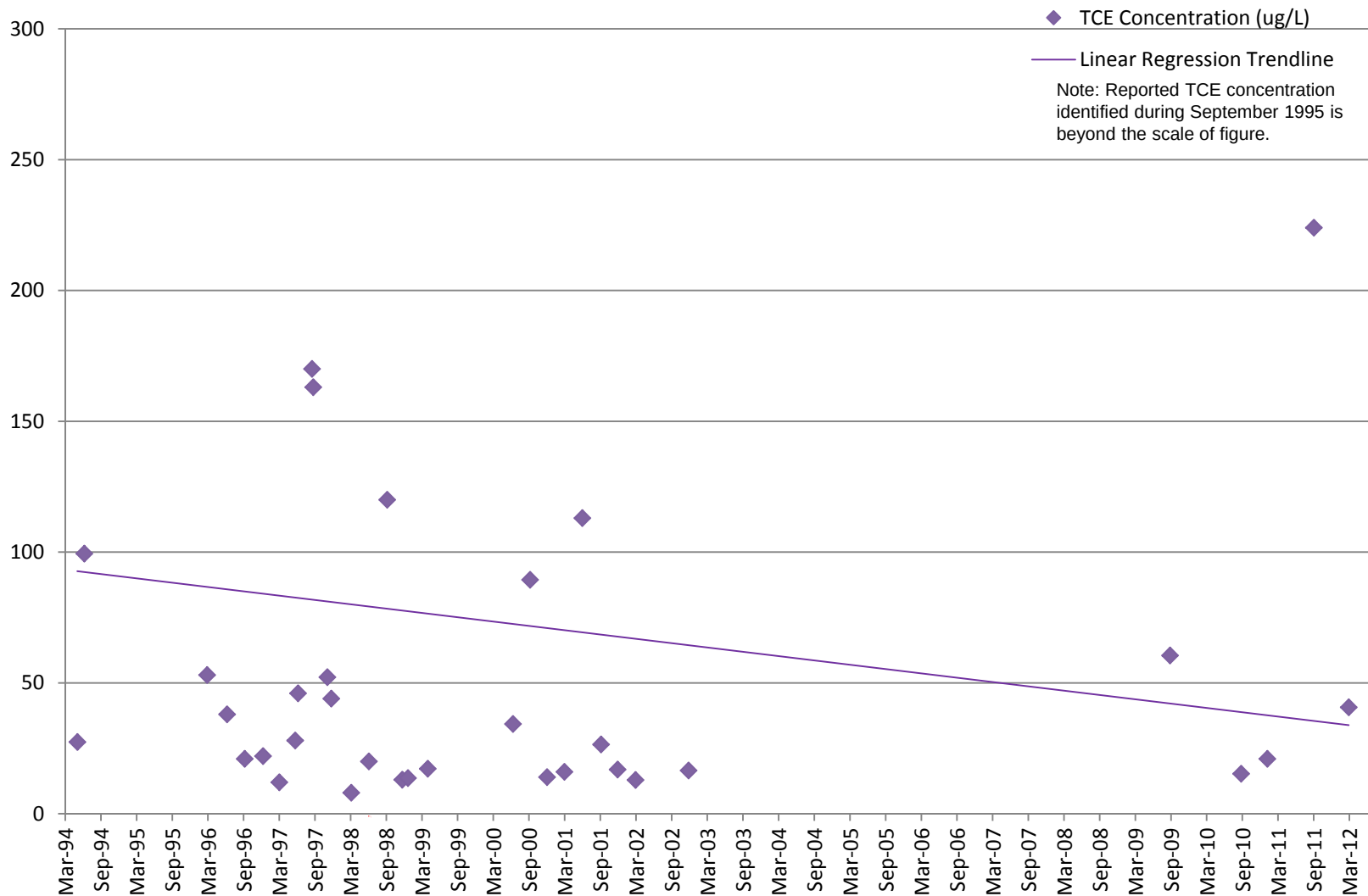


Historical June/Sept. Peak 1,1-DCE Concentrations – MW-HD4
101 Green Acres Road – Valley Stream, NY

FIGURE
B-4

DRAFTED BY: NJS

DATE: 6/13/2012

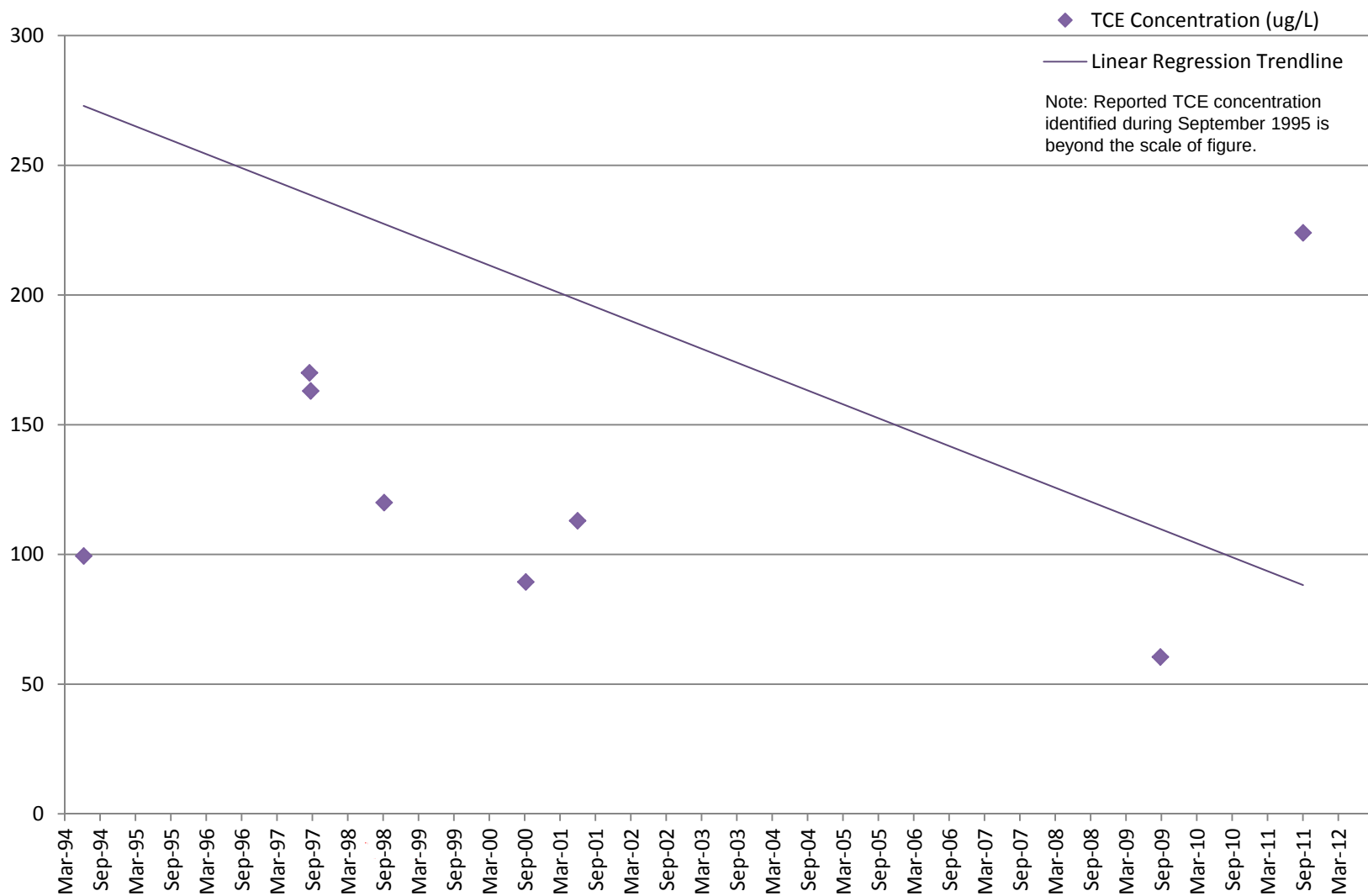


Historical TCE Concentrations – MW-HD4 101 Green Acres Road – Valley Stream, NY

FIGURE
B-5

DRAFTED BY: NJS

DATE: 6/13/2012



**Historical June/Sept. Peak TCE Concentrations – MW-HD4
101 Green Acres Road – Valley Stream, NY**

**FIGURE
B-6**

DRAFTED BY: NJS

DATE: 6/13/2012

Appendix C
Indoor Air Quality Questionnaire/Building Inventory and
Vapor Point Installation Observations

**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 Will Larrison Date/Time Prepared: 10/21/2009, 16:41; other questions via e-mail

Preparer's Affiliation ENVIRON International Corporation Phone No. 609-243-9877

Purpose of Investigation Assessment of potential vapor intrusion

1. OCCUPANT:

Interviewed: ☒ Y / ☐ N

Last Name: Kuhns First Name: Jeff (Store Manager)

Address: 101 Green Acres Road, Valley Stream, NY 11581

County: Nassau

Home Phone: _____ Office Phone: 516-823-0700 ext 310

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

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

Interviewed: ☐ Y / ☐ N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

☒ Commercial/Multi-use
Other: _____

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

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

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Home Improvement Sales

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

Other characteristics:

Number of floors 1

Building age 15

Is the building insulated? Y / N

How air tight? Tight / Average / Not Tight

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

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

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

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

_____ Some joints and cracks present, but they all appear to be sealed _____

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

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

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

The primary type of fuel used is:

<u>Natural Gas</u>	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

 Domestic hot water tank fueled by: Electric

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

 Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, 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.

multiple roof top package units 1-12 have concentric air diffusers low pressure duct systems, units 13-16 have duct systems all in good shape. see attached sketch.

7. OCCUPANCY

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

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement	__NA__
1 st Floor	__Home Improvement Sales__
2 nd Floor	__NA__
3 rd Floor	__NA__
4 th Floor	__NA__

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?	Y / ☒ N	Receiving Docks
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: Pre-owned equipment sold in store
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? Daily, Commercial Cleaning
i. Have cosmetic products been used recently?	Y / ☒ N	When & Type? _____

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

Y / N Where & When? Nothing by me but store could have?

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

Y / ☒ N Where & When? These items sold in store

l. Have air fresheners been used recently?

Y / N When & Type? Store could have?

m. Is there a kitchen exhaust fan?

Y / ☒ N If yes, where vented? _____

n. Is there a bathroom exhaust fan?

☒ Y / N If yes, where vented? outside

o. Is there a clothes dryer?

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

p. Has there been a pesticide application?

☒ Y / N When & Type? see attached

Are there odors in the building?

☒ Y / N

If yes, please describe: _____

Do any of the building occupants use solvents at work?

Y / N

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

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work?

Y / N

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

Yes, use dry-cleaning regularly (weekly)

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

Yes, work at a dry-cleaning service

☒ No

Unknown

Is there a radon mitigation system for the building/structure? Y / ☒ N Date of installation: _____

Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:

☒ Public Water

Drilled Well

Driven Well

Dug Well

Other: _____

Sewage Disposal:

☒ Public Sewer

Septic Tank

Leach Field

Dry Well

Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

N/A

a. Provide reasons why relocation is recommended: _____

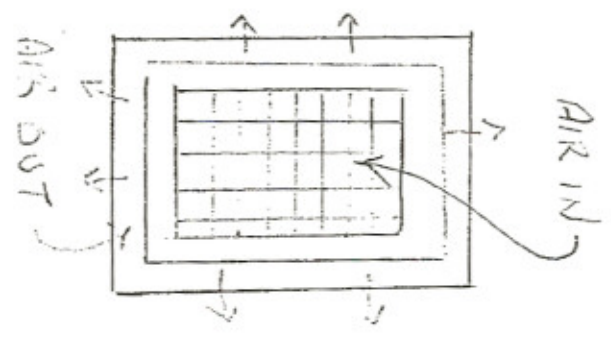
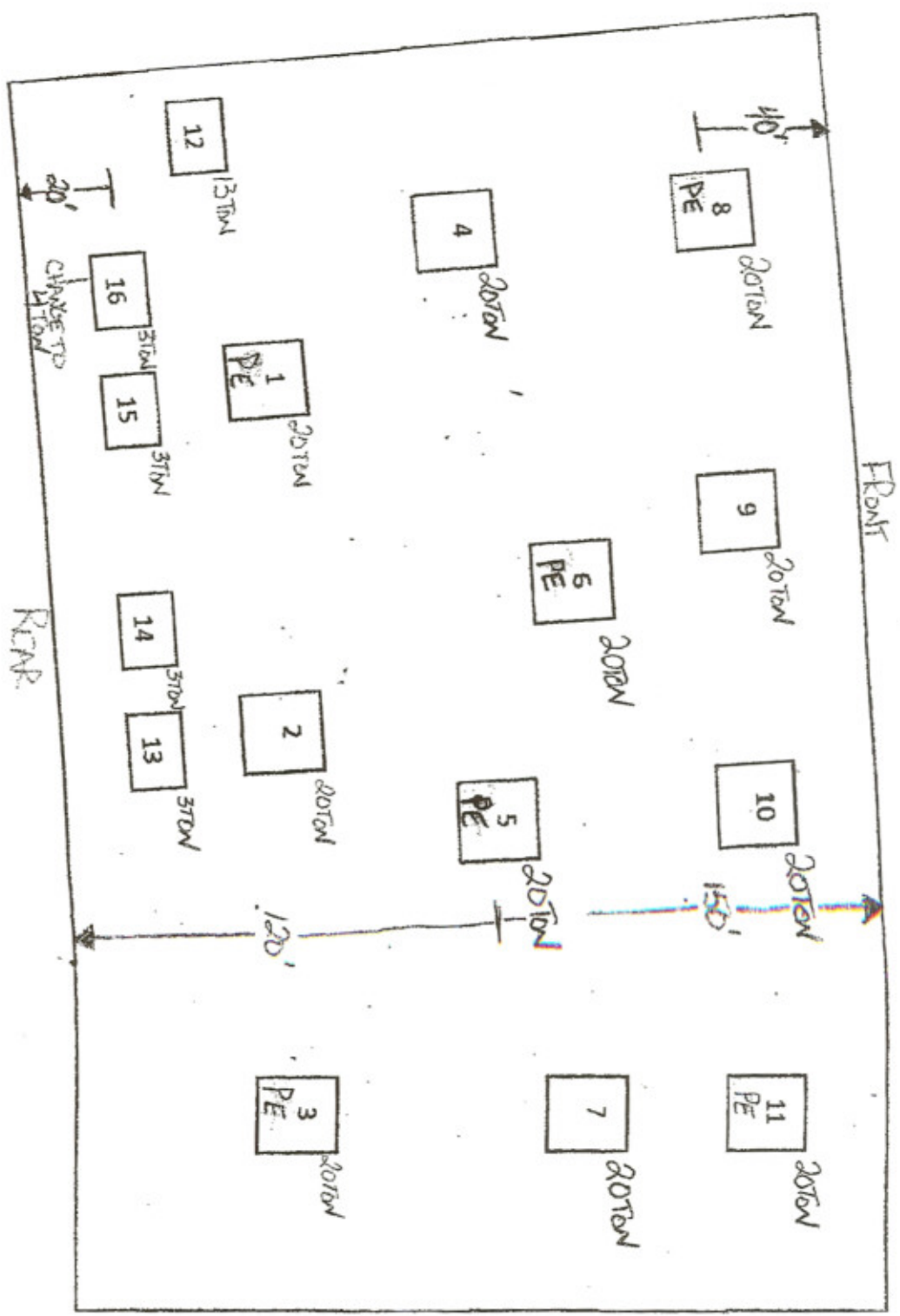
b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

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

d. Relocation package provided and explained to residents?

Y / N

HOME DEPOT VALLEY STREAM #. 1216 RTU Layout



Collection Air
Unit 1-12

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DIAMAGARD

GENERAL USE: Concrete sealer

PRODUCT DESCRIPTION: Clear to light amber liquid, slightly alkaline, may cause eye and skin irritation upon contact.

MANUFACTURER'S NAME

DiamasShield

ADDRESS (NUMBER, STREET, P.O. BOX)

32700 Industrial Drive

(CITY, STATE AND ZIP CODE)

Madison Heights, MI 48071

COUNTRY

USA

DATE PREPARED: March 10, 2005

SUPERSEDES: NEW

Page 1 of 4

TELEPHONE NUMBER FOR INFORMATION

(800)696.3280

EMERGENCY TELEPHONE NUMBER

(800) 696.3280

DISTRIBUTOR'S NAME

Same

ADDRESS (NUMBER, STREET, P.O. BOX)

TELEPHONE NUMBER FOR INFORMATION

(CITY, STATE AND ZIP CODE)

COUNTRY

EMERGENCY TELEPHONE NUMBER

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M ³	PPM	MG/M ³		
Proprietary Ingredient A (*, a)	Not specified	7 - 13					1*	
Proprietary Ingredient B (a)	Not specified	5 - 10		not established				
Proprietary Ingredient C (a)	Not specified	3 - 7		not established				

(*) The ACGIH Threshold Limit Value (TLV) has not been established nor has OSHA established the Permissible Exposure Limit (PEL) for this product, therefore the limits described have been established as guidelines by the manufacturer.

(a) The specific product is not identified due to "Trade Secret" status. In emergency situations further information may be obtained by the on - duty physician calling the emergency information number listed above. Reference 29 CFR 1910.1200 and / or 40 CFR 350.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Alkaline liquid, prolonged contact may cause skin & eye irritation. Ingestion may cause gastric distress. Hazard symbols for this product - None. R-Phrases - Not classified

POTENTIAL HEALTH EFFECTS

INHALATION: Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes.

SKIN: Contact with skin may cause irritation, dermatitis.

EYES: Contact with eyes may cause pain and irritation.

INGESTION: Irritating to digestive tract; may cause gastric distress, stomach pains.

CARCINOGENICITY

NTF?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DIAMAGARD
March 10, 2005

Page 2 of 4

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

EYES: Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

INGESTION: Drink large quantities of water or milk; DO NOT induce vomiting; seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)

Non-flammable

FLAMMABLE LIMITS

LEL: Not applicable

UEL: Not applicable

AUTOIGNITION TEMPERATURE: Not determined

NFPA CLASS: None

GENERAL HAZARDS: Product is alkaline. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water, water fog, dry chemical, chemical foam

FIRE FIGHTING PROCEDURES

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes, oxides of carbon

SECTION 6 - ENVIRONMENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is alkaline and will irritate the eyes if product is allowed to directly contact the eyes. Wash small spills to sanitary sewer. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended. Use corrosion-resistant ventilation equipment.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.

EYE PROTECTION: Goggles with side shields; safety eyebath nearby.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, apron, or other equipment should be worn to minimize skin contact.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

MATERIAL SAFETY DATA SHEETPRODUCT NAME: DIAMAGARD
March 10, 2005

Page 3 of 4

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE (MM Hg) 17 mm Hg @ 20 ° C	VAPOR DENSITY (AIR = 1) < 1
SPECIFIC GRAVITY (WATER = 1) 1.106	EVAPORATION RATE (WATER = 1) < 1
SOLUBILITY IN WATER Appreciable (> 95%)	FREEZING POINT 32°F (0° C)
pH Approximately 11.0	APPEARANCE AND ODOR Clear to light amber liquid, practically odorless
BOILING POINT 212°F (100° C)	PHYSICAL STATE Liquid
VISCOSITY Like that of water	VOLATILE ORGANIC COMPOUNDS (Total VOC's) None

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	UNSTABLE: STABLE: XXX	CONDITIONS TO AVOID: Extreme temperatures, keep from freezing
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids		
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon and lithium, hydrocarbons, fumes, and smoke may be produced.		
HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: XXX	CONDITIONS TO AVOID: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Ingredients	%	CAS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Proprietary Ingredient A (*, a)	7 - 13	Not specified	16,540 mg / kg Oral - rat	Not established
Proprietary Ingredient B (a)	5 - 10	Not specified	7460 mg / kg Oral - rat	Not established
Proprietary Ingredient C (a)	3 - 7	Not specified	Not established	Not established

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for alkaline materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS / Pack Group: None / None
REFERENCE: Not Applicable
IDENTIFICATION NUMBER: None
LABEL: None RequiredIATA HAZARD CLASS / Pack Group: None
IMDG HAZARD CLASS: None
RID/ADR Dangerous Goods Code: None
Canadian TDG Class / Division: None
HAZARD SYMBOLS: None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

MATERIAL SAFETY DATA SHEETPRODUCT NAME: DIAMAGARD
March 10, 2005

Page 4 of 4

SECTION 15 - REGULATORY INFORMATION**TSCA (Toxic substance Control Act)**

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories

None

313 Reportable Ingredients:

None

CERCLA (Comprehensive Response Compensation and Liability Act)

None

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

EC Risk Phrases

Not classified

EC Safety Phrases

S24/25 Avoid contact with skin and eyes

S28 After contact with skin, wash immediately with plenty of soap and water.

SECTION 16 - OTHER INFORMATION

No specific notes.

HMIS HAZARD RATINGS

HEALTH

1

0 = INSIGNIFICANT

3 = HIGH

FLAMMABILITY

0

1 = SLIGHT

4 = EXTREME

REACTIVITY

0

2 = MODERATE

PERSONAL PROTECTIVE EQUIPMENT

C

Safety Glasses, Gloves, Apron

REVISION SUMMARY:

This MSDS has been revised in the following sections:
Section 2, all items proprietary

MSDS Prepared by:

Comprehensive Data Base, Inc.

P.O. Box 5604

Lakeland, FL 33807 USA

(863) 644 - 3298 www.compdatabase.com

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Exterior

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	6/10/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	6/10/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	7/22/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	8/26/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	8/26/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	8/26/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	8/26/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1.00000000	8/26/2009
Target Pest:								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	9/30/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	9/30/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	9/30/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	9/30/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	9/30/2009
Target Pest: House Mouse								



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Exterior

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/30/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/21/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/21/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/21/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/21/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/21/2009

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
12455-79	Contrac All-Weather Blox	Rodent Control Bait	24.00	Ounces
7173-258	first strike	Rodent Control Bait	60.00	Grams

Pesticide Application for Site: Interior -> Break room

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/7/2009

Target Pest: House Mouse

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
7173-258	first strike	Rodent Control Bait	10.00	Grams



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior -> General Retail

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior -> General Retail

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date

Target Pest: House Mouse

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
7173-258	first strike	Rodent Control Bait	70.00	Grams

Pesticide Application for Site: Interior -> Indoor Lumber

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date

7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/7/2009

Target Pest: House Mouse

7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	10/7/2009

Target Pest: House Mouse

7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	11/4/2009

Target Pest: House Mouse

7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	11/4/2009

Target Pest: House Mouse

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
7173-258	first strike	Rodent Control Bait	20.00	Grams



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior -> Lawn & Garden

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
	glue board	(Site)	C. Espinal	Other	1.00		0.00000000	10/7/2009
Target Pest:								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
	glue board	Other	1.00	
7173-258	first strike	Rodent Control Bait	45.00	Grams



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior -> Receiving

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	10/7/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.00000000	11/4/2009
Target Pest: House Mouse								

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
7173-258	first strike	Rodent Control Bait	45.00	Grams



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior 1

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	6/24/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	7/8/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	7/8/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	7/8/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	7/8/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	7/22/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior 1

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
12455-79	Contrac All-Weather Blox	(Site)	C. Espinal	Rodent Control Bait	3.00	Ounces	1. 00000000	8/12/2009
Target Pest:								
	EcoEMEMPT KO	(Site)	C. Espinal	Other	5.00	Ounces	1. 00000000	9/9/2009
Target Pest: Roaches								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1.	9/9/2009



Pesticide Usage Report

From: 6/1/2009 To: 11/23/2009

HOME DEPOT
101 GREEN ACRES ROAD
VALLEY STREAM, NY 11581

Pesticide Application for Site: Interior 1

EPA Reg. Number / Lot Number	Pesticide Name	Device ID	Applicator	Pesticide Type	Amount	Unit of Measure	Conc. %	Date
Target Pest: House Mouse							00000000	
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009
Target Pest: House Mouse								
7173-258	first strike	(Site)	C. Espinal	Rodent Control Bait	5.00	Grams	1. 00000000	9/9/2009

Site Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
	EcoEMEMPT KO	Other	5.00	Ounces
12455-79	Contrac All-Weather Blox	Rodent Control Bait	63.00	Ounces
7173-258	first strike	Rodent Control Bait	50.00	Grams

Facility Summary

EPA Reg. Number	Pesticide Name	Pesticide Type	Amount	Unit of Measure
	EcoEMEMPT KO	Other	5.00	Ounces
	glue board	Other	1.00	
12455-79	Contrac All-Weather Blox	Rodent Control Bait	87.00	Ounces
7173-258	first strike	Rodent Control Bait	300.00	Grams

Appendix D

Building HVAC Maintenance Log

ST JAMES MECHANICAL INC.

96 CAIN DRIVE
BRENTWOOD NEW YORK 11717
631-273-5833
631-273-1318 FAX
STJAMESMECH@OPTONLINE.NET

Jim,

1. All the air handling equipment at this location is inspected on a regular basis and is working to full capacity.
2. "On the annual startup we perform a test on all functions on the unit. We check electrical connections, make sure all safeties and limits are working and make sure the unit is running efficiently" – Norman Simpson #259 HVAC technician.
3. On July, 4, 2011 SJM arrived at store 1216 to find the computer room unit not cooling on Work order#1216406654. It was then determined the unit was tripped on the stores fire alarm system. After the unit was reset and tested for proper operation the technician informed building services to notify the alarm company to perform a follow up test on the alarm.
4. Preventive Maintenance inspections and filter changes are performed in the months of January, March, April, May, June, July, August, October, and December. The Coil Cleanings are done in the Month of May. These procedures are performed based on the technician's location and availability. We will continue to keep a log of all non-routine maintenance or repair work that is performed during the rest of the year.

-Zachary Cavanaugh
SJM Service Manager
Office- 631_273_5833 ext. 12
Cell- 516_805_2369

Appendix E

Summary of Indoor Air Analytical Results

APPENDIX E
Summary of Indoor Air Analytical Results
101 Green Acres Road
Valley Stream, New York

Location	ENV-01	ENV-01	ENV-01	ENV-01	ENV-02	ENV-02	ENV-02	ENV-02	ENV-03	ENV-03	ENV-03	ENV-03
ENVIRON Sample ID	IA01-091027	IA01-100121	IA01-110203	IA01-120327	IA02-091027	IA02-100121	IA02-110203	IA02-120327	IA03-091027	IA03-100121	IA03-110203	IA03-120327
Date Sampled	10/27/2009	1/21/2010	2/3/2011	3/27/2012	10/27/2009	1/21/2010	2/3/2011	3/27/2012	10/27/2009	1/21/2010	2/3/2011	3/27/2012
Matrix	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Comment												
Volatile Organic Compounds												
1,1-Dichloroethane	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)
1,1-Dichloroethylene	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)
Freon 113	ND (0.17)	ND (0.17)	ND (0.20)	ND (0.26)	ND (0.17)	ND (0.17)	ND (0.20)	0.54 J (0.26)	1.8 (0.17)	ND (0.17)	ND (0.20)	ND (0.26)
1,1,1-Trichloroethane	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)
Tetrachloroethylene	2.9 (0.14)	4.8 (0.14)	0.35 (0.27)	2.4 (0.19)	2.2 (0.14)	2.1 (0.14)	0.37 (0.27)	1.6 (0.19)	2.5 (0.14)	10 (0.14)	0.35 (0.27)	6.2 (0.19)
Trichloroethylene	ND (0.10)	1.4 (0.10)	ND (0.13)	ND (0.18)	ND (0.10)	ND (0.10)	ND (0.13)	ND (0.18)	ND (0.10)	ND (0.10)	ND (0.13)	ND (0.18)

Notes:

¹ All concentrations are presented in µg/m³. Detection limits are in parentheses.

Abbreviations:

ND -- Not Detected.

APPENDIX E
Summary of Indoor Air Analytical Results
101 Green Acres Road
Valley Stream, New York

Location	ENV-04	ENV-04	ENV-04	ENV-04	ENV-05	ENV-05	ENV-05	ENV-05	ENV-06	ENV-06	ENV-06	ENV-06
ENVIRON Sample ID:	IA04-091027	IA04-100121	IA04-110203	IA04-120327	IA05-091027	IA05-100121	IA05-110203	IA05-120327	IA06-091027	IA06-100121	IA06-110203	IA06-120327
Date Sampled:	10/27/2009	1/21/2010	2/3/2011	3/27/2012	10/27/2009	1/21/2010	2/3/2011	3/27/2012	10/27/2009	1/21/2010	2/3/2011	3/27/2012
Matrix:	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Comment:												
Volatile Organic Compounds												
1,1-Dichloroethane:	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)	ND (0.13)	ND (0.13)	ND (0.10)	ND (0.11)
1,1-Dichloroethylene:	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)	ND (0.17)	ND (0.17)	ND (0.095)	ND (0.18)
Freon 113:	ND (0.17)	ND (0.17)	ND (0.20)	ND (0.26)	ND (0.17)	ND (0.17)	ND (0.20)	ND (0.26)	ND (0.17)	ND (0.17)	ND (0.20)	ND (0.26)
1,1,1-Trichloroethane:	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.12)
Tetrachloroethylene:	1.5 (0.14)	4.2 (0.14)	0.59 (0.27)	2.2 (0.19)	1.5 (0.14)	2.3 (0.14)	0.39 (0.27)	1.3 (0.19)	1.7 (0.14)	4.3 (0.14)	0.39 (0.27)	2.9 (0.19)
Trichloroethylene:	0.23 (0.10)	ND (0.10)	ND (0.13)	ND (0.18)	ND (0.10)	ND (0.10)	ND (0.13)	ND (0.18)	ND (0.10)	ND (0.10)	ND (0.13)	ND (0.18)

Notes:

¹ All concentrations are presented in µg/m³.

Abbreviations:

ND -- Not Detected.

Appendix F

Calculated Risk-Based Criterion

APPENDIX F

Calculated Risk-Based Criterion

As NYSDOH has not published an Air Guidance Value for Freon 113, ENVIRON calculated a human health, risk-based indoor air screening criterion to support the evaluation of the indoor air concentration identified during the vapor intrusion investigation. The calculated risk-based criterion of 130 mg/m³ (*i.e.*, 130,000 µg/m³) was used to determine if there is a potential for unacceptable exposures to indoor air, using the assumptions detailed below. As Freon 113 has not been identified as a carcinogen, the criterion was calculated as follows:

$$RBC_{nc} = THQ \times RfC \times \frac{AT_{nc}}{ET \times EF \times ED}$$

Where,

RBC_{nc} is the noncarcinogenic risk-based criterion (mg/m³),
THQ is the target chemical specific noncancer hazard quotient (*i.e.*, 1),
RfC is the chemical specific reference concentration (mg/m³),
AT_{nc} is the noncancer averaging time (hours),
ET is the receptors exposure time (hours/day),
EF is the receptors exposure frequency (days/year), and
ED is the receptors exposure duration (years).

The exposure factors used to calculate this criterion, per the equation above, are as follows:

Reference Concentration (RfC)

The NYSDEC (2006) *New York State Brownfield Cleanup Program, Development of Soil Cleanup Objectives, Technical Support Document*, Table 5.1.1-2 does not include inhalation toxicity values for Freon 113. As such, the noncancer inhalation RfC from USEPA's (1997) Health Effects Assessment Summary Tables (HEAST), FY-1997 Update (*i.e.*, 30 mg/m³) was used for Freon 113.

Averaging Time (AT)

The averaging time used to calculate the criterion for noncarcinogenic constituents is equal to the exposure duration (USEPA 1989).

Exposure Time (ET)

Workers are assumed to be at the Site, indoors and inhaling vapors from site-related sources, for 8 hours per day, per the USEPA-recommended value for full-time workers (USEPA 2009).

Exposure Frequency (EF) and Exposure Duration (ED)

Workers are assumed to be at the Site, indoors for 250 days per year for 25 years. This combination of exposure frequency and exposure duration is expected to be conservative for the amount of time that workers are actually exposed to vapors from site-related sources during indoor activities. USEPA has recommended the use of these values for evaluating high-end routine worker exposures (USEPA 1991).

Appendix G

Data Usability Summary Reports

November 28, 2011
ENVIRON International Corporation
Att: Mr. Nicholas Scala, Senior Associate
214 Carnegie Center
Princeton, New Jersey 08540

Re: Bulova Corporation /Valley Stream, NY Site Data Deliverables; Laboratory Job No. JA87770
ENVIRON Project No. : 02-1961B

Dear Mr. Scala,

Enclosed with this cover letter are the results of our data review of the laboratory deliverables pertaining to the referenced site. The review was conducted according to the guidelines established by NYSDEC's Data Usability Summary Review ¹ ('DUSR') process; any necessary data flags (qualifiers) were assigned to samples based on guidance contained in EPA Region II's data validation guidelines ².

Site Name: Bulova Corporation, Valley Stream, NY

Fractions
Volatile Organics

Laboratory: Accutest Laboratories
Matrix: Aqueous

Reviewer: Chris Taylor
Prepared By: Environmental Quality Associates, Inc.

SECTION A Sample Information

The above-referenced analytical job number / samples were analyzed by Accutest Laboratories, Dayton, NJ ('Accutest'). Samples were analyzed for volatile organics by EPA SW-846, Method 8260B. Eight aqueous samples, including one matrix spike (MS), one matrix spike duplicate (MSD), one trip blank (TB) and one field blank (FB) were collected on 09/30/2011, and received at the laboratory under intact custody seal on 09/30/2011 at a recorded temperature of 5.0 degrees C, on ice, in good condition. The chain-of-custody was annotated as follows: "samples are unpreserved".

SECTION B General Comments

Summary of data completeness and overall quality of data deliverables package
Data deliverables were complete as received.

Overall data quality

Data quality was acceptable, incorporating any applied data qualifiers as detailed in the accompanying QC and calibration summary forms, and discussed in the applicable narrative sections below.

Six target compounds were specified for analysis for these samples, as follow: 1,1-dichloroethane (1,1-dca); 1,1-dichloroethene (1,1-dce); Freon-113; tetrachloroethene (pce); 1,1,1-trichloroethane (1,1,1-tca); trichloroethene (tce).

SECTION C
Volatile Organic Fraction

NYSDEC-ASP holding times from lab receipt to analysis were met in all samples; as were EPA technical holding times from sample collection to analysis. As noted above, all samples were pH unpreserved; all samples were analyzed within seven days of collection, which negates the need for acid preservation.

Surrogate recoveries, blank spike recoveries, matrix spike (MS) and matrix spike duplicate (MSD) recoveries, MS/MSD precision values, instrument tune parameters and internal standard recoveries and retention times were within acceptable limits. The method blank and the trip and field blanks were reported free of contamination. Sample MWHD4-110930 (Lab ID: JA87770-1) was analyzed at 5x dilution and also re-analyzed at a 50x dilution in order to bring target compounds into calibrated range.

Initial calibration (ICAL) %RSD values and relative response factors for target compounds and method CCC and SPCC compounds were within acceptable limits. For the continuing calibration (CCAL) of 10/06/11 (4D15983.D), calibration performance criteria for target compounds were within limits.

Target compounds which were reported as positives were qualitatively verified from chromatograms and associated mass spectra against standard materials. A reported positive value was verified from the raw data and is shown in the QC/Cal summary attached.

SECTION D
Overall Recommendations

The results of the review and qualification process for the above analytical fractions and associated samples are summarized on the attached QC and Calibration summary tables, in order to facilitate the end-user's' review of these data. No data qualifiers were necessary for associated samples.

Very truly yours,
Environmental Quality Associates, Inc.

Chris W. Taylor
Vice President

/cwt
Attachments

¹ NYSDEC Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B, "Guidance for the Development of Data Usability Summary Reports", December 2002

² EPA Region II, SOP HW-24, Rev. #2, "Validating Organic Compounds by SW-846 Method 8260B", October, 2006

Environmental Quality Associates, Inc.

SUMMARY OF CALIBRATION AND QC PROCEDURES
 EPA SW-846 METHOD 8260B, GC-MS VOLATILES

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Sample Preservation</u>	All samples	Water: 4°C, Na ₂ S ₂ O ₃ , HCl to pH<2 Soil & Other: 4°C	None found <i>Note: samples noted as pH unpreserved</i>	n/a all samples analyzed w/in 7 days of collection
<u>Holding Times</u>	All samples	Water: 14 days Soil: 14 days (if samples maintained at 4°)	None found	
<u>MS Tuning</u>	Every 12 hours, prior to calibrations	Method 8260B, Table 4 criteria	None found	
<u>Initial Calibration</u>	Prior to sample analysis, and whenever continuing calibrations fail to meet acceptance criteria (minimum 5 levels)	SPCC average RRF >0.300 (chlorobenzene & 1122-tca) & >0.100 for other 3 SPCC CCC RRF %RSD<30, and (a) linear : mean RSD all analytes ≤15% w/ no single analyte >30%, or (b) regression : r ≥ 0.99 for each affected analyte	None found	
<u>Retention Time Windows</u>	Each sample analyzed	Relative retention time (RRT) of each positive analyte within ± 0.06 of associated IS RRT	None found	
<u>Method Blank / Trip Blank</u>	After ICV or CCV, before sample analysis, minimum one per analytical batch/ Trip Blank per cooler	No analytes detected ≥ PQL for method blank.	V4D702-MB1 none found	
<u>Continuing Calibration Verification (CCV)</u>	Daily, before sample analysis, and after each successive 12 hours of sample analysis	SPCC average RRF >0.300 (chlorobenzene & 1122-tca) & >0.100 for other 3 SPCC CCC RRF %D<20, and all analytes within ± 20% of expected value	None found	

Notes:

¹ See DV report for details.

Lab ID: Accutest - Dayton, NJ
 Lab Job No.: JA87770
 Site ID: Bulova, Valley Stream NY

SUMMARY OF CALIBRATION AND QC PROCEDURES
 EPA SW-846 METHOD 8260B, GC-MS VOLATILES

2 of 4

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Surrogate Compound Spike</u>	Every sample, spiked sample, blank and standard	All analytes recovered within lab-established recovery ranges (see SW-846, Method 8000B, Sect. 8.7)	None found	
<u>Internal Standards (IS)</u>	Every sample, spiked sample, blank and standard	Retention time (RT): $\pm$ 30 seconds from RT of IS in ICAL midpoint standard	None found	
		IS area: between -50% and +100% of IS area in ICAL midpoint standard	None found	
<u>Laboratory Control Sample (LCS)</u>	Once per each analytical batch (should include all reported analytes), <u>and</u> should be prepared independently from calibration standards	All analytes recovered within 70 - 130% of expected (true) value, <u>or</u> recovery within laboratory-derived statistical limits	V4D702-BS none found	
<u>Matrix Spike / Matrix Spike Duplicate (MS/MSD)</u>	Once per each 20 samples (should include all reported analytes), <u>and</u> should be prepared independently from calibration standards	All analytes recovered within laboratory-derived statistical limits for each matrix type, <u>and</u>	JA87770-2 MS, MSD	Recoveries & RPD OK
		%RPD between MS/MSD below laboratory-derived statistical limits		

Notes:

¹ See DV report for details.

Initial Calibration

Calibration Date:	09/27/11	
Lab File IDs :	4D15557-66.D	
CCC RSDs $\leq$ 30%?	yes	
SPCC RRFs > specd. values ?	yes	
All Target Mean RSD <15%?	yes	
If No, was regression used ?	n/a	
If regression used, $r \geq 0.99$?	n/a	
Qualification Action:	n/a	
Affected Samples:	All SDG samples	

Continuing Calibrations

Cal 1 (cc684-20)			
Calibration Date:	10/06/11		
Lab File ID :	4D15983.D		
CCC %Ds $\leq$ 20%?	yes		
SPCC RRFs > specd. values ?	yes		
All Target %D <20%?	yes		
If No, list target analytes >20%:			
Analytical Bias:	n/a		
Qualification Action:	n/a		
Affected Samples:	All SDG samples		

Sample Result Confirmation

Sample ID: JA87770-1 (MWHD4-110930)
Compound: 1,1,1-trichloroethane IS: pentafluorobenzene
Reported concentration: **2130** µg/L File ID: 4D15987.D

	Ax	IS	Df
Concentration, µg/L =	100606	50	50
	171058	0.690	
	Ais	RRF	

Concentration, µg/L = **2131**

Result Confirmed? **Yes**

Reviewer comments : calcs are based on 5.0 mL initial sample purge volume

where:

Ax = area response of target quant ion
IS = mass of internal standard injected, ng
Df = dilution factor

Ais = area response of internal standard quant ion
RRF = ICAL average relative response factor

June 13, 2012
ENVIRON International Corporation
Att: Mr. Nicholas Scala, Senior Associate
214 Carnegie Center
Princeton, New Jersey 08540

Re: Bulova Corporation /Valley Stream, NY Site Data Deliverables; Laboratory Job No. JB2710
ENVIRON Project No. : 02-1961B

Dear Mr. Scala,

Enclosed with this cover letter are the results of our data review of the laboratory deliverables pertaining to the referenced site. The review was conducted according to the guidelines established by NYSDEC's Data Usability Summary Review ¹ ('DUSR') process; any data flags (qualifiers) which are assigned to samples are based on guidance contained in EPA Region II's data validation guidelines ².

Site Name: Bulova Corporation, Valley Stream, NY

Fractions
Volatile Organics

Laboratory: Accutest Laboratories
Matrix: Air

Reviewer: Chris Taylor
Prepared By: Environmental Quality Associates, Inc.

SECTION A Sample Information

The above-referenced analytical job number / samples were analyzed by Accutest Laboratories, Dayton, NJ ('Accutest'). Samples were analyzed for volatile organics by EPA Compendium Method TO-15. Seven samples were collected in 6-liter canisters on 03/27/2012, and received at the laboratory on 03/28/2012.

SECTION B General Comments

Summary of data completeness and overall quality of data deliverables package

Data deliverables were complete as received.

Overall data quality

Data quality was acceptable, as detailed in the accompanying QC and calibration summary forms, and discussed in the applicable narrative sections below.

Six target compounds were specified for analysis for these samples, as follow: 1,1-dichloroethane (1,1-dca); 1,1-dichloroethene (1,1-dce); Freon-113; tetrachloroethene (pce); 1,1,1-trichloroethane (1,1,1-tca); trichloroethene (tce).

All reported target compounds in SDG field samples were within calibrated range as initially analyzed; no sample volume dilutions were necessary.

SECTION C
Data Quality Assessment – TO-15

HOLDING TIMES

Method specified holding times from collection to analysis (30 days maximum) were met for all samples.

SAMPLE CONDITION

Sample condition and canister pressures (in and out) were documented and were acceptable.

METHOD BLANKS

Method blanks associated with submitted sample canisters were reported free of target and non-target contamination.

SURROGATE & INTERNAL STANDARD COMPOUNDS

Surrogate recoveries were within laboratory established limits for this sample set. It is noted that method and NYSDEC guidance do not require surrogate spikes for TO-15 canisters.

Internal standard (IS) recoveries were within the +/- 40% limits specified by the method for all associated samples and QC samples. All IS retention times were within acceptable range.

INSTRUMENT PERFORMANCE CHECK

Instrument tuning parameters for BFB were within method limits and performed within required frequency.

INITIAL CALIBRATION

The %RSD values in the ICAL sequence of 03/27/2012 were within method-specified limits of maximum 30% RSD.

All reported individual and average RRF values for target compounds were above minimum required values.

CALIBRATION VERIFICATION

Calibration verification metrics for the continuing calibration on 04/04/2012 were within acceptable limits.

LABORATORY REPLICATES

The reported laboratory (batch) replicate samples were not from this SDG / site and were not considered for QA action.

FIELD DUPLICATES

No collocated samples were identified for this SDG.

LABORATORY BLANK SPIKES / BLANK SPIKE DUPLICATES

Duplicates of Blank Spike samples were performed for the analytical batch run associated with site samples. Recoveries and duplicate precision results were within acceptable limits.

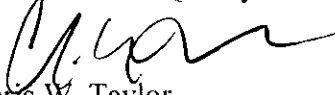
SAMPLE RESULT VERIFICATION

Target compounds which were reported as positives were qualitatively verified from chromatograms and associated mass spectra against standard materials. A reported positive value was quantitatively verified from the raw data and is shown in the QC/Cal summary attached.

SECTION D
Overall Recommendations

The results of the review and qualification process for the above analytical fractions and associated samples are summarized on the attached QC and Calibration summary tables, in order to facilitate the end-user's' review of these data. Based on the review as performed and described herein, no data validation qualifiers were necessary for any SDG samples.

Very truly yours,
Environmental Quality Associates, Inc.



Chris W. Taylor
Vice President

/cwt
Attachments

¹ NYSDEC Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B, "Guidance for the Development of Data Usability Summary Reports", December 2002

² EPA Region II, SOP #HW-31, Rev. #4, "Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15", October, 2006

Environmental Quality Associates, Inc.

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Sample Preservation</u>	All samples	Certified clean & leak-free canisters per method	None found	
<u>Holding Times</u>	All samples	Analysis within 30 days from collection	None found	
<u>MS Tuning</u>	Every 24 hours, prior to calibrations	Method TO-15, Sect. 10.4 and Table 3 criteria	None found	
<u>Initial Calibration</u>	Prior to sample analysis, and whenever continuing calibrations fail to meet acceptance criteria (minimum 5 levels)	RSD of mean RRF each target must be $\leq 30.0\%$ Note: Linear regression is optional for targets w/ RSD $>30\%$; r must be >0.99	None found	
<u>Retention Time Windows</u>	Each sample analyzed	Relative retention time (RRT) of each positive analyte within ± 0.06 of associated IS RRT	None found	
<u>Continuing Calibration Verification (CCV)</u>	Daily, before sample analysis, and after each successive 24 hours of sample analysis	Response %D for each Target must be $\leq 30.0\%$ $\%D = \frac{RRFc - RRFi}{RRFi} * 100$	None found	
		$\%D = \frac{\text{True} - \text{Found}}{\text{True Value}} * 100$	n/a	
<u>Method Blank</u> (certified clean canister; w/ ultra-pure zero air)	After ICV or CCV, before sample analysis, minimum once per 24-hour period	No analytes detected $\geq \text{PQL}^*$ for method blank * PQL = 3x MDL	04/04/12 V3W1072-MB All targets ND	
			JB2710- 1-7 inclusive	

Notes:

¹ See DV report for details.

Data Reviewer: Chris Taylor
 For: ENVIRON_Princeton, NJ

Lab ID: Accutest_Dayton, NJ
 Lab Job No.: JB2710
 Site ID: Bulova_Valley Stream NY

CALIBRATION AND QC SUMMARY
 EPA METHOD TO-15, GC-MS VOLATILES

2 of 4

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Surrogates</u>	Note: per NYSDEC and method guidance, use of surrogates for TO-15 is not required	All surrogates recovered within 70 - 130% of expected (true) value, <u>or</u> recovery within laboratory-derived statistical limits	None found	
<u>Internal Standards (IS)</u>	Every sample, blank and standard	Retention time (RT): $\pm$ 20 seconds max from CCAL or average of ICAL	None found	
		IS area: max. $\pm$ 40% from corresponding CCAL	None found	
<u>Laboratory Control Sample (LCS)</u> aka Laboratory-Fortified Blank (LFB) aka Blank Spike	Once per each analytical batch (should include all reported analytes), <u>and</u> should be prepared independently from calibration standards	All analytes recovered within 70 - 130% of expected (true) value, <u>or</u> recovery within laboratory-derived statistical limits	04/04/12 V3W1072-BS / BSD None found	
Field Duplicates	As submitted to laboratory and identified to reviewer	Not established; use lab-derived limits. Calculate RPD values and report.	No field duplicate samples were identified for this SDG	
Lab Duplicates	As analyzed by laboratory	Not established; use lab-derived limits.	JB1801-2 / -2DUP Lab duplicates were reported as non-detects for reported compounds. See note ----->	n/a Reported laboratory duplicates were not from this SDG / site.

Notes:

¹ See DV report for details.

Data Reviewer: Chris Taylor
 For: ENVIRON_Princeton, NJ

Environmental Quality Associates, Inc.

@BCL@4805AAC5.xls

Initial Calibration

Calibration Date:	03/27/12
Lab File IDs :	3W27165-171;172,175,178.D
RRFs > specd. values ?	yes
Target RSDs $\leq$ 30%?	yes
If No, was regression used ?	n/a
If regression used, $r \geq 0.99$?	
If No, list compounds :	
Analytical Bias:	
Qualification Action:	n/a
Affected Samples:	All samples
Comments :	

%RSD VERIFICATION	
target compound: trichloroethene	
Standard Conc.	Response
RRF 0.04	0.396
RRF 0.1	0.396
RRF 0.2	0.429
RRF 0.5	0.401
RRF 5.0	0.409
RRF 10	0.397
RRF 20	0.335
RRF 40	0.395
Calc'd. AVG RRF	0.395
STD DEV	0.027
Calc'd. %RSD	6.77
Lab AVG RRF	0.395
Lab %RSD	6.76
Verified ?	yes

Continuing Calibrations

Calibration Date:	04/04/12	
Lab File ID :	3W27347.D	
All Target %Ds $\leq$ 30%?	yes	
If No, list target analytes >30%:		
Analytical Bias:	n/a	
Qualification Action:	n/a	
Affected Samples:	JB2710- 1-7 inclusive + QC	

%D VERIFICATION (3W27347)	
compound: trichloroethene	
Lab %D:	1.5
CCAL RRFc :	0.389
ICAL AVG. RRFi :	0.395
Calc. %D =	$(RRFc - RRFi)$
	RRFi
Calc. %D =	-1.5
Verified ?	yes

Sample Result Verification

Sample ID: IA03-120327 JB2710-3 3W27369.D
 Compound: tetrachloroethene (MW = 165.8) IS: chlorobenzene-d5
 Reported concentration: 0.92 ppbv Vol = 400 mL
 6.2 ug/m³

	Ax	IS	DF
Concentration, ppbv =	14545	10.0	1
	214712	0.734	
	Ais	RRF	

Concentration, ppbv = **0.923**

Concentration, ug/m³ = $\frac{\text{ppbv} * \text{MW}}{24.45}$ tetrachloroethene MW = 165.8

Concentration, ug/m³ = **6.26**

Result Confirmed? **yes** *OK for rounding*

where:

Ax = area response of target quant ion
 IS = internal standard injected, ppbv
 Df = dilution factor

Ais = area response of internal standard quant ion
 RRF = ICAL average relative response factor

June 13, 2012
ENVIRON International Corporation
Att: Mr. Nicholas Scala, Senior Associate
214 Carnegie Center
Princeton, New Jersey 08540

Re: Bulova Corporation /Valley Stream, NY Site Data Deliverables; Laboratory Job No. JB2750
ENVIRON Project No. : 02-1961B

Dear Mr. Scala,

Enclosed with this cover letter are the results of our data review of the laboratory deliverables pertaining to the referenced site. The review was conducted according to the guidelines established by NYSDEC's Data Usability Summary Review ¹ ('DUSR') process; data flags (qualifiers) were assigned to samples based on guidance contained in EPA Region II's data validation guidelines ².

Site Name: Bulova Corporation, Valley Stream, NY

Fractions
Volatile Organics

Laboratory: Accutest Laboratories
Matrix: Aqueous

Reviewer: Chris Taylor
Prepared By: Environmental Quality Associates, Inc.

SECTION A Sample Information

The above-referenced analytical job number / samples were analyzed by Accutest Laboratories, Dayton, NJ ('Accutest'). Samples were analyzed for volatile organics by EPA SW-846, Method 8260B. Eight aqueous samples, including matrix QC samples (MS/MSD), one trip blank (TB) and one field blank (FB) were collected on 03/27/12, and received at the laboratory under intact custody seal on 03/28/2012 at a recorded temperature of 5.5 degrees C, on ice, in good condition. The chain-of-custody indicated that all samples were (pH) unpreserved.

SECTION B General Comments

Summary of data completeness and overall quality of data deliverables package
Data deliverables were complete as received.

Overall data quality

Data quality was acceptable, incorporating any applied data qualifiers as detailed in the accompanying QC and calibration summary forms, and discussed in the applicable narrative sections below.

Six target compounds were specified for analysis for these samples, as follow: 1,1-dichloroethane (1,1-dca); 1,1-dichloroethene (1,1-dce); Freon-113; tetrachloroethene (pce); 1,1,1-trichloroethane (1,1,1-tca); trichloroethene (tce).

SECTION C
Volatile Organic Fraction

NYSDEC-ASP holding times from lab receipt to analysis were met in all samples; as were EPA technical holding times from sample collection to analysis. As noted above, all samples were pH unpreserved; all samples were analyzed within seven days of collection, which negates the need for acid preservation.

Surrogate recoveries, blank spike recoveries, matrix spike (MS) and matrix spike duplicate (MSD) recoveries, instrument tune parameters and internal standard recoveries and retention times were within acceptable limits, with the following exceptions:

- 1) The recovery of target compound 1,1-dichloroethane (1,1-dca) in LCS V3D3107-BS (associated with sample JB2750-3) exceeded the upper limit of 124%, at 125%. No action was taken, since the affected sample result for 1,1-dca was reported with a laboratory 'J' flag due to concentration below compound RL value; a potential for high bias (false positive) is noted.
- 2) The recoveries of target compound 1,1-dichloroethane (1,1-dca) in both the MS and MSD of parent sample JB2750-2 exceeded the laboratory-derived upper limit of 132%, at 133% and 134%, respectively. No action was taken, since the affected sample was reported as non-detect (U) for 1,1-dca.

All batch method blanks and the trip and field blanks were reported free of contamination.

Initial calibration (ICAL) %RSD values and relative response factors for target compounds and method CCC and SPCC compounds were within acceptable limits.

For the continuing calibrations (CCAL) of 03/30/12 (3D71691.D), 04/02/12 (3D71767.D) and 04/03/12 (3D71818.D), calibration performance criteria for target compounds were within limits, with the following exception:

- 1) The %D values for 1,1-dca and 1,1,1-tca in CCV 3D71691 (03/30/12) exceeded the upper limit of 20.0, at 21.0 and 20.9, respectively. Since the exceedances signified increased sensitivity for these target compounds, and no positives were reported in associated field samples (JB2750-4, -5 and -6), no QA action was necessary.

Target compounds which were reported as positives were qualitatively verified from chromatograms and associated mass spectra against standard materials. A reported positive value was verified from the raw data and is shown in the QC/Cal summary attached. It is noted that sample JB2750-1 (MWH4-120327) was analyzed at a 2x dilution in order to bring the response of 1,1,1-tca into calibrated detector range; reported RL values for target compounds in this sample were adjusted accordingly on the report of analysis.

SECTION D
Overall Recommendations

The results of the review and qualification process for the above analytical fractions and associated samples are summarized on the attached QC and Calibration summary tables, in order to facilitate the end-user's' review of these data. Any required data qualifiers have been applied directly to the laboratory Form 1s associated with affected samples.

Very truly yours,
Environmental Quality Associates, Inc.



Chris W. Taylor
Vice President

/cwt
Attachments

- ¹ NYSDEC Draft DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B, "Guidance for the Development of Data Usability Summary Reports", December 2002
- ² EPA Region II, SOP HW-24, Rev. #2, "Validating Organic Compounds by SW-846 Method 8260B", October, 2006

Environmental Quality Associates, Inc.

SUMMARY OF CALIBRATION AND QC PROCEDURES
 EPA SW-846 METHOD 8260B, GC-MS VOLATILES

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Sample Preservation</u>	All samples	Water: 4°C, Na ₂ S ₂ O ₃ , HCl to pH<2 Soil & Other: 4°C	None found <i>Note: all samples were noted as pH unpreserved</i>	n/a all samples analyzed w/in 7 days of collection
<u>Holding Times</u>	All samples	Water: 14 days Soil: 14 days (if samples maintained at 4°)	None found	
<u>MS Tuning</u>	Every 12 hours, prior to calibrations	Method 8260B, Table 4 criteria	None found	
<u>Initial Calibration</u>	Prior to sample analysis, and whenever continuing calibrations fail to meet acceptance criteria (minimum 5 levels)	SPCC average RRF >0.300 (chlorobenzene & 1122-tca) & >0.100 for other 3 SPCC CCC RRF %RSD<30, and (a) linear : mean RSD all analytes ≤15% w/ no single analyte >30%, or (b) regression : r ≥ 0.99 for each affected analyte	None found <i>Note: samples were analyzed only for project-specific COPCs : 1,1-diClethane, 1,1-diClethane, Freon113, tetraClethane, 1,1,1-triClethane and triClethane</i>	
<u>Retention Time Windows</u>	Each sample analyzed	Relative retention time (RRT) of each positive analyte within ± 0.06 of associated IS RRT	None found	
<u>Method Blank / Trip Blank</u>	After ICV or CCV, before sample analysis, minimum one per analytical batch/ Trip Blank per cooler	No analytes detected ≥ PQL for method blank.	V3D3102-MB1 none found V3D3105-MB1 none found V3D3107-MB1 none found	
<u>Continuing Calibration Verification (CCV)</u>	Daily, before sample analysis, and after each successive 12 hours of sample analysis	SPCC average RRF >0.300 (chlorobenzene & 1122-tca) & >0.100 for other 3 SPCC CCC RRF %D<20, and all analytes within ± 20% of expected value	Refer to Cal Summary on Sheet 3 for details	Refer to Cal Summary on Sheet 3 for details

Notes:

¹ See DV report for details.

SUMMARY OF CALIBRATION AND QC PROCEDURES
 EPA SW-846 METHOD 8260B, GC-MS VOLATILES

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action ¹
<u>Surrogate Compound Spike</u>	Every sample, spiked sample, blank and standard	All analytes recovered within lab-established recovery ranges (see SW-846, Method 8000B, Sect. 8.7)	None found	
<u>Internal Standards (IS)</u>	Every sample, spiked sample, blank and standard	Retention time (RT): ± 30 seconds from RT of IS in ICAL midpoint standard	None found	
		IS area: between -50% and +100% of IS area in ICAL midpoint standard	None found	
<u>Laboratory Control Sample (LCS)</u>	Once per each analytical batch (should include all reported analytes), <u>and</u> should be prepared independently from calibration standards	All analytes recovered within 70 - 130% of expected (true) value, <u>or</u> recovery within laboratory-derived statistical limits	V3D3102-BS none found	
			V3D3105-BS none found V3D3107-BS 1,1-dca 125%	1,1-dca reported as 0.21 J ug/L in associated sample -3; potential high bias, however reported result is below RL . Narrative note; no QA action.
<u>Matrix Spike / Matrix Spike Duplicate (MS/MSD)</u>	Once per each 20 samples (should include all reported analytes), <u>and</u> should be prepared independently from calibration standards	All analytes recovered within laboratory-derived statistical limits for each matrix type, <u>and</u>	JB2750-2 MS, MSD 1,1-dca recovery high in MS, MSD (133,134/132%) <i>See narrative note</i>	1,1-dca was not found in the batch parent sample; therefore no QA action necessary
		%RPD between MS/MSD below laboratory-derived statistical limits	JB2750-2 MS, MSD RPD values OK	

Notes:

¹ See DV report for details.

Initial Calibration

Calibration Date: Lab File IDs :	03/16/12 3D71158-66.D	
CCC RSDs $\leq$ 30%?	yes	
SPCC RRFs > specd. values ?	yes	
All Target Mean RSD <15%?	yes	
If No, was regression used ?	n/a	
If regression used, $r \geq 0.99$?	n/a	
Qualification Action:	n/a	
Affected Samples:	All SDG samples	

Continuing Calibrations

Calibration Date: Lab File ID :	Cal 1 03/30/12 3D71691.D	Cal 2 04/02/12 3D71767.D	Cal 3 04/03/12 3D71818.D	
CCC %Ds $\leq$ 20%?	yes	yes	yes	
SPCC RRFs > specd. values ?	yes	yes	yes	
All Target %D <20%?	NO	yes	yes	
If No, list target analytes >20%:	1,1-dca (+21.0%) 1,1,1-tca (+20.9%)			
Analytical Bias:	high	n/a	n/a	
Qualification Action:	No positives found; n/a	n/a	n/a	
Affected Samples:	JB2750-4, -5, -6 JB2750-2MS,MSD	JB2750-1, -2	JB2750-3	

Sample Result Confirmation

Sample ID: JB2750-1 (MWHD4-120327)
Compound: trichloroethene IS: 1,4-difluorobenzene
Reported concentration: **40.7** µg/L File ID: 3D71789.D

	Ax	IS	Df
Concentration, µg/L =	35390	50	2
	306132	0.284	
	Ais	RRF	

Concentration, µg/L = **40.71**

Result Confirmed? **Yes**

Reviewer comments : calcs are based on 5.0 mL initial sample purge volume

where:

Ax = area response of target quant ion
IS = mass of internal standard injected, ng
Df = dilution factor

Ais = area response of internal standard quant ion
RRF = ICAL average relative response factor

Attachment A

Laboratory Deliverables



06/28/12

Technical Report for

Environ Corporation

Bulova, Valley Stream, NY

02-1961A

Accutest Job Number: JA87770

Sampling Date: 09/30/11

Report to:

Environ

NScala@environcorp.com

ATTN: Nick Scala

Total number of pages in report: **69**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Paul Ioannidis
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Environ Corporation

Job No: JA87770

Bulova, Valley Stream, NY
Project No: 02-1961A

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA87770-1	09/30/11	10:15 JS	09/30/11	AQ	Ground Water	MWHD4-110930
JA87770-2	09/30/11	10:54 JS	09/30/11	AQ	Ground Water	MWHD6-110930
JA87770-2D	09/30/11	10:54 JS	09/30/11	AQ	Water Dup/MSD	MWHD6-110930 MSD
JA87770-2S	09/30/11	10:54 JS	09/30/11	AQ	Water Matrix Spike	MWHD6-110930 MS
JA87770-3	09/30/11	10:54 JS	09/30/11	AQ	Ground Water	MWHD6-110930D
JA87770-4	09/30/11	11:47 JS	09/30/11	AQ	Ground Water	MWHD7-110930
JA87770-5	09/30/11	13:00 JS	09/30/11	AQ	Trip Blank Water	TB-110930
JA87770-6	09/30/11	13:00 JS	09/30/11	AQ	Field Blank Water	FB-110930



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Environ Corporation

Job No JA87770

Site: Bulova, Valley Stream, NY

Report Date 10/17/2011 3:04:13 P

On 09/30/2011, 4 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 5 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA87770 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V4D702

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA87770-2MS, JA87770-2MSD were used as the QC samples indicated.
- JA87770-6: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JA87770-4: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JA87770-3: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JA87770-1: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JA87770-1: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

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Report of Analysis

Page 1 of 1

Client Sample ID:	MWHD4-110930	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-1	Date Received:	09/30/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	4D15994.D	5	10/06/11	TYG	n/a	n/a	V4D702
Run #2 ^a	4D15987.D	50	10/06/11	TYG	n/a	n/a	V4D702

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	97.9	5.0	0.96	ug/l	
75-35-4	1,1-Dichloroethene	901	5.0	1.4	ug/l	
76-13-1	Freon 113	18.8	25	2.5	ug/l	J
127-18-4	Tetrachloroethene	4.7	5.0	1.6	ug/l	J
71-55-6	1,1,1-Trichloroethane	2130 ^b	50	12	ug/l	
79-01-6	Trichloroethene	224	5.0	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	99%	77-120%
17060-07-0	1,2-Dichloroethane-D4	97%	94%	70-127%
2037-26-5	Toluene-D8	106%	105%	79-120%
460-00-4	4-Bromofluorobenzene	100%	102%	76-118%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	MWHD6-110930	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-2	Date Received:	09/30/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D15993.D	1	10/06/11	TYG	n/a	n/a	V4D702
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.93	1.0	0.19	ug/l	J
75-35-4	1,1-Dichloroethene	2.9	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	0.34	1.0	0.24	ug/l	J
79-01-6	Trichloroethene	0.82	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		77-120%
17060-07-0	1,2-Dichloroethane-D4	96%		70-127%
2037-26-5	Toluene-D8	106%		79-120%
460-00-4	4-Bromofluorobenzene	100%		76-118%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MWHD6-110930D	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-3	Date Received:	09/30/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	4D15995.D	1	10/06/11	TYG	n/a	n/a	V4D702
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.97	1.0	0.19	ug/l	J
75-35-4	1,1-Dichloroethene	3.1	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	0.40	1.0	0.24	ug/l	J
79-01-6	Trichloroethene	0.88	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	106%		79-120%
460-00-4	4-Bromofluorobenzene	99%		76-118%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MWHD7-110930	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-4	Date Received:	09/30/11
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	4D15996.D	1	10/06/11	TYG	n/a	n/a	V4D702
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	0.79	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		77-120%
17060-07-0	1,2-Dichloroethane-D4	98%		70-127%
2037-26-5	Toluene-D8	106%		79-120%
460-00-4	4-Bromofluorobenzene	101%		76-118%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	TB-110930	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-5	Date Received:	09/30/11
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D15997.D	1	10/06/11	TYG	n/a	n/a	V4D702
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	98%		70-127%
2037-26-5	Toluene-D8	107%		79-120%
460-00-4	4-Bromofluorobenzene	101%		76-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	FB-110930	Date Sampled:	09/30/11
Lab Sample ID:	JA87770-6	Date Received:	09/30/11
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	4D15998.D	1	10/06/11	TYG	n/a	n/a	V4D702
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		77-120%
17060-07-0	1,2-Dichloroethane-D4	99%		70-127%
2037-26-5	Toluene-D8	105%		79-120%
460-00-4	4-Bromofluorobenzene	100%		76-118%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes	
Company Name: Environ				Project Name: Bulova Valley Stream				PCE, TCE, 1,1,1-TLA 1,1-DCA, 1,1-DCE Freeon 113 LAB USE ONLY 2120												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SED - Sediment CR - CR LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Street Address: 214 Carnegie Center				Street: Valley Stream NY																	
City: Princeton NJ State: 08540				City: Valley Stream NY State: NY																	
Project Contact: N. Scaler E-mail: nscale@environcorp.com				Project #																	
Phone: 609 452 9000 Fax: 609 452 9000				Client Purchase Order #				City: State: Zip:													
Sample(s) Name(s): S. Schwenker				Project Manager: M. Potts				Attention:													
Account Sample #	Field ID / Point of Collection	METHOD Val #	Date	Time	Sampled by	Matrix	# of bottles	PC	MeOH	HN03	HS004	HN06	DI Water	MEOH	ENCORE						
1	MWHD4-110930	-1	9/30/11	1015	EM	GW	3									X	X				
2	MWHD6-110930	-2		1054												X	X				
3	MWHD6-110930.D	-3		1054												X	X				
4	MWHD6-110930.MS	-4		1054												X	X				
5	MWHD6-110930.MSD	-5		1054												X	X				
6	MWHD7-110930	-6		1147												X	X				
7	FB-110930	-7		1300												X	X				
8	FB-110930	-8		1300												X	X				
Turnaround Time (Business days): ☐ Std. 15 Business Days ☒ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Approved By (Accutest PM): / Date: _____ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDO Format ☐ Other _____ Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data																					
Emergency & Rush TIA data available via Lablink Sample Custody must be documented below each time samples change possession, including courier delivery.																					
Relinquished by: JS Date/Time: 9/30/11 1615				Received By: TS Date/Time: 9/30/11 1615				Relinquished By: 2 Date/Time: 9/30/11 1615				Received By: 2 Date/Time: 9/30/11 1615									
Relinquished by Sampler: 3 Date/Time: 9/30/11 1615				Received By: 3 Date/Time: 9/30/11 1615				Relinquished By: 4 Date/Time: 9/30/11 1615				Received By: 4 Date/Time: 9/30/11 1615									
Relinquished by: 5 Date/Time: 9/30/11 1615				Received By: 5 Date/Time: 9/30/11 1615				Custody Seal # ☐ Intact ☐ Not Intact				Preserved where applicable ☐ On Ice ☐ Cooler Temp. 5.0°C									

JA87770: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number JA87770

Client:

Date / Time Received: 9/30/2011

Project:

No. Coolers: 1

Airbill #'s:

Delivery Method:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☒	☐	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	

Quality Control Preservation

Y or N

N/A

1. Trip Blank present / cooler:	☒	☐	☐
2. Trip Blank listed on COC:	☒	☐	☐
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☒	☐	☐

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☐	☒	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☒
5. Filtering instructions clear:	☐	☐	☒

Comments

Internal Sample Tracking Chronicle

Environ Corporation

Job No: JA87770

Bulova, Valley Stream, NY

Project No: 02-1961A

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA87770-1 Collected: 30-SEP-11 10:15 By: JS Received: 30-SEP-11 By: MPC MWHD4-110930						
JA87770-1	SW846 8260B	06-OCT-11 13:35	TYG			V8260SL
JA87770-1	SW846 8260B	06-OCT-11 17:00	TYG			V8260SL
JA87770-2 Collected: 30-SEP-11 10:54 By: JS Received: 30-SEP-11 By: MPC MWHD6-110930						
JA87770-2	SW846 8260B	06-OCT-11 16:31	TYG			V8260SL
JA87770-3 Collected: 30-SEP-11 10:54 By: JS Received: 30-SEP-11 By: MPC MWHD6-110930D						
JA87770-3	SW846 8260B	06-OCT-11 17:29	TYG			V8260SL
JA87770-4 Collected: 30-SEP-11 11:47 By: JS Received: 30-SEP-11 By: MPC MWHD7-110930						
JA87770-4	SW846 8260B	06-OCT-11 17:58	TYG			V8260SL
JA87770-5 Collected: 30-SEP-11 13:00 By: JS Received: 30-SEP-11 By: MPC TB-110930						
JA87770-5	SW846 8260B	06-OCT-11 18:28	TYG			V8260SL
JA87770-6 Collected: 30-SEP-11 13:00 By: JS Received: 30-SEP-11 By: MPC FB-110930						
JA87770-6	SW846 8260B	06-OCT-11 18:57	TYG			V8260SL

Accutest Internal Chain of Custody

Page 1 of 2

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 09/30/11

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA87770-1.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 14:56	Retrieve from Storage
JA87770-1.1	Tamika Yvonne Ginn	Secured Storage	10/04/11 16:37	Return to Storage
JA87770-1.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-1.2	Secured Storage	Mei Chen	10/06/11 11:55	Retrieve from Storage
JA87770-1.2	Mei Chen	GCMS4D	10/06/11 11:55	Load on Instrument
JA87770-1.2	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-1.2	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-1.2	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-2.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-2.1	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-2.1	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-2.1	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage
JA87770-2.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-2.2	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-2.2	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-2.2	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-2.2	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage
JA87770-2.2	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-2.4	Secured Storage	Mei Chen	10/06/11 13:02	Retrieve from Storage
JA87770-2.4	Mei Chen	GCMS4D	10/06/11 13:02	Load on Instrument
JA87770-2.4	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-2.4	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-2.4	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-2.5	Secured Storage	Mei Chen	10/06/11 11:55	Retrieve from Storage
JA87770-2.5	Mei Chen	GCMS4D	10/06/11 11:55	Load on Instrument
JA87770-2.5	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-2.5	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-2.5	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-2.6	Secured Storage	Mei Chen	10/06/11 11:55	Retrieve from Storage
JA87770-2.6	Mei Chen	GCMS4D	10/06/11 11:55	Load on Instrument
JA87770-2.6	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-2.6	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-2.6	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-3.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-3.1	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-3.1	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-3.1	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage

Accutest Internal Chain of Custody

Page 2 of 2

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 09/30/11

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA87770-3.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-3.2	Secured Storage	Mei Chen	10/06/11 13:02	Retrieve from Storage
JA87770-3.2	Mei Chen	GCMS4D	10/06/11 13:02	Load on Instrument
JA87770-3.2	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-3.2	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-3.2	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-4.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-4.1	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-4.1	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-4.1	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage
JA87770-4.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-4.2	Secured Storage	Mei Chen	10/06/11 13:02	Retrieve from Storage
JA87770-4.2	Mei Chen	GCMS4D	10/06/11 13:02	Load on Instrument
JA87770-4.2	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-4.2	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-4.2	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-5.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-5.1	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-5.1	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-5.1	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage
JA87770-5.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-5.2	Secured Storage	Mei Chen	10/06/11 13:02	Retrieve from Storage
JA87770-5.2	Mei Chen	GCMS4D	10/06/11 13:02	Load on Instrument
JA87770-5.2	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-5.2	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-5.2	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-6.1	Secured Storage	Tamika Yvonne Ginn	10/04/11 16:43	Retrieve from Storage
JA87770-6.1	Tamika Yvonne Ginn	GCMS4D	10/04/11 16:43	Load on Instrument
JA87770-6.1	GCMS4D	Mei Chen	10/06/11 08:51	Unload from Instrument
JA87770-6.1	Mei Chen	Secured Storage	10/06/11 08:51	Return to Storage
JA87770-6.1	Dave Hunkele		11/08/11 14:35	Disposed
JA87770-6.2	Secured Storage	Mei Chen	10/06/11 13:02	Retrieve from Storage
JA87770-6.2	Mei Chen	GCMS4D	10/06/11 13:02	Load on Instrument
JA87770-6.2	GCMS4D	Mei Chen	10/07/11 08:25	Unload from Instrument
JA87770-6.2	Mei Chen	Secured Storage	10/07/11 08:25	Return to Storage
JA87770-6.2	Dave Hunkele		11/08/11 14:35	Disposed

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

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Job Number: JA87770**Account:** ENVIRON Environ Corporation**Project:** Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D702-MB1	4D15985.D	1	10/06/11	TYG	n/a	n/a	V4D702

The QC reported here applies to the following samples:**Method:** SW846 8260B

JA87770-1, JA87770-2, JA87770-3, JA87770-4, JA87770-5, JA87770-6

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	100%
17060-07-0	1,2-Dichloroethane-D4	77-120%
2037-26-5	Toluene-D8	96%
460-00-4	4-Bromofluorobenzene	70-127%
		106%
		79-120%
		101%
		76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Page 1 of 1

Job Number: JA87770

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4D702-BS	4D15986.D	1	10/06/11	TYG	n/a	n/a	V4D702

The QC reported here applies to the following samples:

Method: SW846 8260B

JA87770-1, JA87770-2, JA87770-3, JA87770-4, JA87770-5, JA87770-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	50	43.6	87	74-124
75-35-4	1,1-Dichloroethene	50	45.5	91	68-126
76-13-1	Freon 113	50	47.9	96	64-145
127-18-4	Tetrachloroethene	50	52.2	104	64-148
71-55-6	1,1,1-Trichloroethane	50	48.0	96	76-135
79-01-6	Trichloroethene	50	49.8	100	80-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	77-120%
17060-07-0	1,2-Dichloroethane-D4	96%	70-127%
2037-26-5	Toluene-D8	106%	79-120%
460-00-4	4-Bromofluorobenzene	100%	76-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA87770-2MS	4D15990.D	1	10/06/11	TYG	n/a	n/a	V4D702
JA87770-2MSD	4D15991.D	1	10/06/11	TYG	n/a	n/a	V4D702
JA87770-2	4D15993.D	1	10/06/11	TYG	n/a	n/a	V4D702

The QC reported here applies to the following samples:

Method: SW846 8260B

JA87770-1, JA87770-2, JA87770-3, JA87770-4, JA87770-5, JA87770-6

CAS No.	Compound	JA87770-2 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	0.93	J	50	51.4	101	50.9	100	1	58-132/13
75-35-4	1,1-Dichloroethene	2.9		50	57.9	110	57.4	109	1	43-142/17
76-13-1	Freon 113	ND		50	52.6	105	52.3	105	1	38-159/18
127-18-4	Tetrachloroethene	ND		50	60.1	120	61.2	122	2	52-143/15
71-55-6	1,1,1-Trichloroethane	0.34	J	50	57.5	114	56.9	113	1	55-146/15
79-01-6	Trichloroethene	0.82	J	50	59.1	117	58.5	115	1	54-142/14

CAS No.	Surrogate Recoveries	MS	MSD	JA87770-2	Limits
1868-53-7	Dibromofluoromethane	101%	100%	100%	77-120%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	96%	70-127%
2037-26-5	Toluene-D8	107%	107%	106%	79-120%
460-00-4	4-Bromofluorobenzene	100%	99%	100%	76-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

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Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-BFB
Lab File ID: 4D15556.D
Instrument ID: GCMS4D
Injection Date: 09/27/11
Injection Time: 09:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11365	17.8	Pass
75	30.0 - 60.0% of mass 95	28883	45.3	Pass
95	Base peak, 100% relative abundance	63773	100.0	Pass
96	5.0 - 9.0% of mass 95	4200	6.59	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	51341	80.5	Pass
175	5.0 - 9.0% of mass 174	3973	6.23 (7.74) ^a	Pass
176	95.0 - 101.0% of mass 174	49163	77.1 (95.8) ^a	Pass
177	5.0 - 9.0% of mass 176	3345	5.25 (6.80) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	4D15557A.D	09/27/11	10:07	00:39	(unrelated sample)
V4D684-IC684	4D15557.D	09/27/11	10:07	00:39	Initial cal 0.5
V4D684-IC684	4D15558.D	09/27/11	10:37	01:09	Initial cal 1
ZZZZZZ	4D15558A.D	09/27/11	10:37	01:09	(unrelated sample)
V4D684-IC684	4D15559.D	09/27/11	11:06	01:38	Initial cal 2
V4D684-IC684	4D15560.D	09/27/11	11:36	02:08	Initial cal 5
V4D684-IC684	4D15561.D	09/27/11	12:05	02:37	Initial cal 10
V4D684-IC684	4D15562.D	09/27/11	12:34	03:06	Initial cal 20
V4D684-ICC684	4D15563.D	09/27/11	13:04	03:36	Initial cal 50
V4D684-ICV684	4D15564.D	09/27/11	13:33	04:05	Initial cal verification 50
V4D684-IC684	4D15565.D	09/27/11	14:03	04:35	Initial cal 100
V4D684-IC684	4D15566.D	09/27/11	14:32	05:04	Initial cal 200

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D702-BFB
Lab File ID: 4D15982.D
Instrument ID: GCMS4D
Injection Date: 10/06/11
Injection Time: 09:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	11247	16.0	Pass
75	30.0 - 60.0% of mass 95	30651	43.7	Pass
95	Base peak, 100% relative abundance	70123	100.0	Pass
96	5.0 - 9.0% of mass 95	4606	6.57	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	64811	92.4	Pass
175	5.0 - 9.0% of mass 174	5023	7.16 (7.75) ^a	Pass
176	95.0 - 101.0% of mass 174	62728	89.5 (96.8) ^a	Pass
177	5.0 - 9.0% of mass 176	3996	5.70 (6.37) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V4D702-CC684	4D15983.D	10/06/11	10:33	01:20	Continuing cal 20
V4D702-MB1	4D15985.D	10/06/11	12:11	02:58	Method Blank
V4D702-BS	4D15986.D	10/06/11	12:47	03:34	Blank Spike
JA87770-1	4D15987.D	10/06/11	13:35	04:22	MWHD4-110930
ZZZZZZ	4D15988.D	10/06/11	14:04	04:51	(unrelated sample)
ZZZZZZ	4D15989.D	10/06/11	14:34	05:21	(unrelated sample)
JA87770-2MS	4D15990.D	10/06/11	15:03	05:50	Matrix Spike
JA87770-2MSD	4D15991.D	10/06/11	15:32	06:19	Matrix Spike Duplicate
JA87770-2	4D15993.D	10/06/11	16:31	07:18	MWHD6-110930
JA87770-1	4D15994.D	10/06/11	17:00	07:47	MWHD4-110930
JA87770-3	4D15995.D	10/06/11	17:29	08:16	MWHD6-110930D
JA87770-4	4D15996.D	10/06/11	17:58	08:45	MWHD7-110930
JA87770-5	4D15997.D	10/06/11	18:28	09:15	TB-110930
JA87770-6	4D15998.D	10/06/11	18:57	09:44	FB-110930
ZZZZZZ	4D15999.D	10/06/11	19:26	10:13	(unrelated sample)
ZZZZZZ	4D16000.D	10/06/11	19:55	10:42	(unrelated sample)
ZZZZZZ	4D16001.D	10/06/11	20:24	11:11	(unrelated sample)

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std: V4D702-CC684
Lab File ID: 4D15983.D
Instrument ID: GCMS4D
Injection Date: 10/06/11
Injection Time: 10:33
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	96770	7.41	175268	9.98	265756	10.93	241673	14.29	129196	16.69
Upper Limit ^a	193540	7.91	350536	10.48	531512	11.43	483346	14.79	258392	17.19
Lower Limit ^b	48385	6.91	87634	9.48	132878	10.43	120837	13.79	64598	16.19

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4D702-MB1	89054	7.42	170577	9.98	257929	10.93	237567	14.29	124639	16.70
V4D702-BS	92921	7.42	169767	9.98	258157	10.93	234622	14.29	127119	16.70
JA87770-1 ^c	89410	7.41	171058	9.98	257163	10.93	231933	14.29	124174	16.70
ZZZZZZ	85291	7.41	167113	9.97	254002	10.93	229846	14.29	121725	16.69
ZZZZZZ	83148	7.41	163761	9.97	247159	10.93	225746	14.29	119483	16.69
JA87770-2MS	81949	7.41	156975	9.97	239467	10.93	223050	14.29	120295	16.69
JA87770-2MSD	88937	7.41	168174	9.98	256374	10.93	236529	14.29	127454	16.69
JA87770-2	85869	7.40	165582	9.97	247435	10.93	225135	14.29	121734	16.69
JA87770-1 ^c	84064	7.41	163775	9.97	246359	10.93	226155	14.29	121503	16.69
JA87770-3 ^c	82789	7.41	156809	9.97	237247	10.93	217753	14.29	117543	16.69
JA87770-4 ^c	80205	7.40	156871	9.97	236543	10.93	218644	14.29	115878	16.69
JA87770-5	79229	7.40	153340	9.97	231603	10.93	213422	14.29	113392	16.69
JA87770-6 ^c	78870	7.41	150247	9.98	225930	10.93	207219	14.29	111044	16.69
ZZZZZZ	77750	7.41	150230	9.97	226871	10.93	207058	14.29	111435	16.69
ZZZZZZ	76798	7.41	147049	9.97	220503	10.93	201052	14.29	109255	16.69
ZZZZZZ	76527	7.40	148499	9.98	222611	10.93	202711	14.29	108926	16.69

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA87770

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Method: SW846 8260B

Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA87770-1	4D15994.D	101.0	97.0	106.0	100.0
JA87770-1	4D15987.D	99.0	94.0	105.0	102.0
JA87770-2	4D15993.D	100.0	96.0	106.0	100.0
JA87770-3	4D15995.D	102.0	99.0	106.0	99.0
JA87770-4	4D15996.D	101.0	98.0	106.0	101.0
JA87770-5	4D15997.D	102.0	98.0	107.0	101.0
JA87770-6	4D15998.D	102.0	99.0	105.0	100.0
JA87770-2MS	4D15990.D	101.0	98.0	107.0	100.0
JA87770-2MSD	4D15991.D	100.0	96.0	107.0	99.0
V4D702-BS	4D15986.D	100.0	96.0	106.0	100.0
V4D702-MB1	4D15985.D	100.0	96.0	106.0	101.0

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane

77-120%

S2 = 1,2-Dichloroethane-D4

70-127%

S3 = Toluene-D8

79-120%

S4 = 4-Bromofluorobenzene

76-118%

Initial Calibration Summary

Page 1 of 5

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICC684
Lab FileID: 4D15563.D

Response Factor Report MS4D

Method : C:\MSDCHEM\1\METHODS\M4D684.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Sep 27 14:58:08 2011
Response via : Initial Calibration

Calibration Files

10 =4D15561.D 0.5 =4D15557.D 5 =4D15560.D 50 =4D15563.D
100 =4D15565.D 1 =4D15558.D 200 =4D15566.D 20 =4D15562.D
2 =4D15559.D =

Compound	10	0.5	5	50	100	1	200	20	2	Avg	%RSD
1) I Tert Butyl Alcohol-d9 -----ISTD-----											
2) 1,4-dioxane											
	0.098		0.091	0.098	0.098		0.098	0.100		0.097	3.39
3) tertiary butyl alcohol											
	1.093		1.071	1.075	1.077	1.261	1.077	1.089	1.065	1.101	5.93
4) I pentafluorobenzene -----ISTD-----											
5) chlorodifluoromethane											
	0.538		0.574	0.571	0.538	0.661	0.540	0.554	0.556	0.566	7.21
6) dichlorodifluoromethane											
	0.672		0.701	0.721	0.700	0.533	0.670	0.706	0.643	0.668	8.98
7) chloromethane											
	0.759	0.817	0.789	0.778	0.774	0.723	0.738	0.770	0.745	0.766	3.72
8) vinyl chloride											
	0.682	0.628	0.697	0.724	0.723	0.599	0.692	0.704	0.637	0.676	6.56
9) acetaldehyde											
										0.000#	-1.00
10) bromomethane											
	0.457		0.463	0.445	0.370	0.410		0.457	0.449	0.436	7.75
11) chloroethane											
	0.337		0.348	0.329	0.316	0.290	0.231	0.343	0.330	0.315	12.27
12) trichlorofluoromethane											
	0.707		0.740	0.738	0.727	0.618	0.704	0.729	0.698	0.708	5.60
13) vinyl bromide											
										0.000#	-1.00
14) ethyl ether											
	0.237		0.243	0.257	0.261	0.167	0.254	0.258	0.284	0.245	14.01
15) pentane											
	0.832		0.910	0.870	0.785		0.814	0.858	0.893	0.852	5.20
16) acrolein											
	0.126	0.131	0.111	0.119	0.121	0.117	0.113	0.126	0.120	0.121	5.41
17) 1,1-dichloroethene											
	0.383	0.398	0.421	0.443	0.432	0.410	0.436	0.435	0.509	0.430	8.27
18) acetone											
	0.171		0.228	0.240	0.206		0.208	0.200	0.217	0.210	10.49
19) allyl chloride											
	0.239		0.255	0.266	0.256	0.191	0.255	0.264	0.290	0.252	11.35
20) acetonitrile											
	0.038		0.037	0.034	0.031	0.040	0.030	0.037	0.032	0.035	10.52
21) iodomethane											
	0.745	0.816	0.787	0.816	0.815	0.760	0.804	0.815	0.919	0.809	6.04
22) iso-butyl alcohol											
	0.022		0.021	0.022	0.021		0.021	0.022	0.021	0.021	1.57
23) carbon disulfide											

Initial Calibration Summary

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICC684
Lab FileID: 4D15563.D

Page 2 of 5

		1.539	1.749	1.645	1.724	1.666	1.626	1.675	1.700	1.946	1.697	6.58
24)	methylene chloride	0.497		0.526	0.533	0.526	0.537	0.518	0.531	0.603	0.534	5.70
25)	methyl acetate	0.461		0.457	0.459	0.448	0.498	0.445	0.458	0.418	0.456	4.85
26)	methyl tert butyl ether	1.358	1.381	1.367	1.438	1.430	1.346	1.397	1.439	1.665	1.424	6.79
27)	trans-1,2-dichloroethene	0.443	0.448	0.476	0.489	0.478	0.474	0.475	0.483	0.568	0.482	7.46
28)	di-isopropyl ether	1.707	1.786	1.777	1.686	1.616	1.985	1.596	1.699	1.703	1.728	6.64
29)	ethyl tert-butyl ether	1.602	1.657	1.643	1.598	1.537	1.897	1.535	1.606	1.605	1.631	6.61
30)	2-butanone	0.057		0.053	0.073	0.069		0.068	0.067		0.064	11.88
31)	1,1-dichloroethane	0.825	0.846	0.893	0.915	0.889	0.861	0.872	0.908	1.046	0.895	7.11
32)	chloroprene	0.716	0.718	0.745	0.735	0.702	0.785	0.711	0.724	0.722	0.729	3.36
33)	acrylonitrile	0.208	0.200	0.206	0.220	0.220	0.179	0.212	0.219	0.240	0.212	7.95
34)	vinyl acetate	0.074		0.071	0.081	0.078		0.079	0.081		0.077	4.99
35)	ethyl acetate	0.081		0.078	0.081	0.081		0.080	0.083	0.057	0.077	11.67
36)	2,2-dichloropropane	0.624	0.716	0.687	0.697	0.670	0.656	0.654	0.696	0.793	0.688	7.00
37)	cis-1,2-dichloroethene	0.502	0.527	0.520	0.545	0.545	0.516	0.528	0.542	0.625	0.539	6.57
38)	propionitrile	0.082		0.081	0.088	0.089	0.073	0.087	0.087	0.098	0.086	8.48
39)	methyl acrylate	0.489		0.471	0.526	0.543	0.425	0.525	0.506	0.553	0.505	8.30
40)	bromochloromethane	0.250	0.176	0.253	0.267	0.269	0.219	0.264	0.268	0.297	0.251	13.91
41)	tetrahydrofuran	0.165		0.157	0.169	0.168	0.136	0.164	0.171	0.186	0.164	8.48
42)	chloroform	0.812	0.926	0.851	0.874	0.871	0.797	0.852	0.871	0.995	0.872	6.81
43)	dibromofluoromethane (s)	0.519		0.527	0.491	0.484	0.543	0.501	0.483	0.551	0.512	5.13
44)	1,2-dichloroethane-d4 (s)	0.582		0.580	0.547	0.533	0.524	0.549	0.540	0.574	0.554	4.03
45)	freon 113	0.329		0.364	0.347	0.323	0.333	0.337	0.341	0.337	0.339	3.70
46)	methacrylonitrile	0.324	0.285	0.319	0.337	0.343	0.278	0.336	0.338	0.356	0.324	8.16
47)	1,1,1-trichloroethane	0.626	0.654	0.670	0.708	0.703	0.648	0.696	0.698	0.809	0.690	7.68
48)	tert-amyl methyl ether	1.508	1.570	1.562	1.474	1.453	1.822	1.439	1.495	1.492	1.535	7.58
49)	I 1,4-difluorobenzene	-----ISTD-----										
50)	epichlorohydrin	0.040		0.040	0.040	0.040	0.047	0.040	0.040	0.039	0.041	5.82
51)	n-butyl alcohol	0.011		0.011	0.011	0.011	0.014	0.012	0.011	0.011	0.012	8.49
52)	cyclohexane	0.352	0.408	0.394	0.416	0.390	0.377	0.395	0.407	0.451	0.399	6.83
53)	carbon tetrachloride											

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Initial Calibration Summary

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICC684
Lab FileID: 4D15563.D

		0.343	0.373	0.377	0.396	0.385	0.354	0.387	0.389	0.450	0.384	7.87
54)	1,1-dichloropropene	0.380	0.413	0.406	0.429	0.416	0.398	0.419	0.428	0.489	0.420	7.20
55)	hexane	0.392	0.423	0.418	0.408	0.368	0.435	0.377	0.407	0.412	0.404	5.39
56)	benzene	1.150	1.267	1.236	1.271	1.243	1.192	1.222	1.261	1.462	1.256	6.89
57)	heptane	0.221	0.221	0.231	0.226	0.208	0.236	0.213	0.229	0.222	0.223	3.88
58)	isopropyl acetate	0.664	0.687	0.695	0.662	0.644	0.793	0.645	0.674	0.649	0.679	6.82
59)	1,2-dichloroethane	0.396	0.428	0.405	0.425	0.419	0.383	0.410	0.427	0.481	0.419	6.65
60)	trichloroethene	0.296	0.316	0.317	0.326	0.325	0.291	0.325	0.321	0.369	0.321	6.88
61)	ethyl acrylate	0.456	0.427	0.440	0.454	0.465	0.416	0.464	0.468	0.413	0.445	4.82
62)	2-nitropropane	0.081		0.081	0.096	0.096	0.077	0.095	0.096	0.100	0.090	9.75
63)	2-chloroethyl vinyl ether	0.214	0.201	0.217	0.213	0.208	0.235	0.205	0.217	0.203	0.213	4.81
64)	methyl methacrylate	0.285		0.295	0.315	0.315	0.255	0.314	0.310	0.349	0.305	8.97
65)	1,2-dichloropropane	0.316	0.332	0.334	0.342	0.337	0.319	0.328	0.342	0.401	0.339	7.32
66)	methylcyclohexane	0.475	0.519	0.519	0.503	0.463	0.553	0.476	0.491	0.502	0.500	5.57
67)	dibromomethane	0.209	0.227	0.214	0.223	0.222	0.205	0.220	0.225	0.252	0.222	6.10
68)	bromodichloromethane	0.397	0.419	0.408	0.432	0.432	0.399	0.433	0.430	0.481	0.426	5.94
69)	cis-1,3-dichloropropene	0.498	0.537	0.515	0.541	0.543	0.486	0.537	0.543	0.604	0.534	6.28
70)	toluene-d8 (s)	1.121		1.127	1.089	1.050	1.096	1.105	1.068	1.150	1.101	2.94
71)	4-methyl-2-pentanone	0.138		0.135	0.148	0.149	0.117	0.147	0.146	0.161	0.143	9.13
72)	toluene	0.680	0.792	0.715	0.748	0.740	0.694	0.732	0.751	0.849	0.745	6.88
73)	3-methyl-1-butanol	0.009		0.010	0.010	0.010	0.012	0.011	0.010	0.009	0.010	7.81
74)	trans-1,3-dichloropropene	0.455	0.517	0.466	0.499	0.499	0.439	0.496	0.499	0.554	0.491	7.00
75)	ethyl methacrylate	0.376	0.435	0.377	0.420	0.419	0.353	0.423	0.415	0.444	0.407	7.54
76)	1,1,2-trichloroethane	0.254	0.290	0.258	0.270	0.268	0.244	0.268	0.270	0.304	0.270	6.76
77)	2-hexanone	0.128		0.137	0.150	0.143	0.102	0.143	0.140	0.158	0.138	12.31
78)	I chlorobenzene-d5	-----ISTD-----										
79)	tetrachloroethene	0.325	0.334	0.352	0.377	0.375	0.343	0.368	0.355	0.419	0.361	7.77
80)	1,3-dichloropropane	0.498	0.608	0.510	0.523	0.519	0.506	0.507	0.530	0.596	0.533	7.59
81)	butyl acetate	0.261	0.253	0.268	0.256	0.251	0.302	0.254	0.263	0.286	0.266	6.50
82)	dibromochloromethane	0.347	0.421	0.352	0.380	0.386	0.334	0.381	0.379	0.412	0.377	7.64
83)	1,2-dibromoethane											

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Initial Calibration Summary

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICC684
Lab FileID: 4D15563.D

Page 4 of 5

		0.336	0.371	0.337	0.354	0.357	0.315	0.349	0.355	0.396	0.352	6.50
84)	n-Butyl Ether										0.000#	-1.00
85)	chlorobenzene											
		0.833	1.065	0.879	0.907	0.898	0.864	0.893	0.904	1.067	0.923	9.11
86)	1,1,1,2-tetrachloroethane											
		0.302	0.364	0.317	0.335	0.336	0.287	0.332	0.330	0.372	0.330	8.12
87)	ethylbenzene											
		1.429	1.740	1.501	1.559	1.562	1.488	1.524	1.558	1.806	1.574	7.72
88)	m,p-xylene											
		0.538	0.649	0.567	0.585	0.576	0.551	0.560	0.584	0.670	0.587	7.53
89)	o-xylene											
		0.536	0.686	0.568	0.578	0.582	0.549	0.554	0.589	0.674	0.591	9.04
90)	styrene											
		0.917	1.106	0.926	1.001	1.008	0.860	0.961	1.007	1.101	0.987	8.30
91)	butyl acrylate											
		0.755	0.747	0.765	0.777	0.781	0.711	0.810	0.790	0.712	0.761	4.43
92)	bromoform											
		0.247		0.241	0.275	0.281	0.228	0.280	0.270	0.287	0.264	8.29
93)	I 1,4-dichlorobenzene-d	-----ISTD-----										
94)	isopropylbenzene											
		2.621	3.180	2.756	2.943	2.903	2.702	2.847	2.867	3.299	2.902	7.52
95)	4-bromofluorobenzene (s)											
		0.923		0.933	0.886	0.870	0.938	0.906	0.857	0.961	0.909	3.96
96)	bromobenzene											
		0.712	0.940	0.733	0.774	0.777	0.702	0.770	0.763	0.893	0.785	10.24
97)	cyclohexanone											
		0.113		0.165	0.182	0.154		0.152	0.155	0.171	0.156	14.03
98)	1,1,2,2-tetrachloroethane											
		0.935		0.944	0.988	0.981	0.898	0.949	0.979	1.196	0.984	9.23
99)	trans-1,4-dichloro-2-butene											
		0.204		0.202	0.229	0.235	0.167	0.230	0.225	0.241	0.217	11.31
100)	1,2,3-trichloropropane											
		0.207		0.209	0.219	0.220	0.172	0.213	0.220	0.272	0.217	12.55
101)	n-propylbenzene											
		3.235	4.116	3.402	3.635	3.561	3.263	3.494	3.564	4.065	3.593	8.71
102)	2-chlorotoluene											
		0.639	0.830	0.655	0.708	0.703	0.644	0.697	0.702	0.796	0.708	9.29
103)	4-chlorotoluene											
		2.002	2.733	2.123	2.209	2.179	2.049	2.163	2.197	2.577	2.248	10.84
104)	1,3,5-trimethylbenzene											
		2.195	2.696	2.270	2.464	2.462	2.177	2.444	2.436	2.750	2.433	8.23
105)	tert-butylbenzene											
		1.829	2.251	1.933	2.096	2.080	1.892	2.070	2.025	2.279	2.051	7.41
106)	pentachloroethane											
		0.436		0.430	0.466	0.473	0.399	0.477	0.493	0.528	0.463	8.68
107)	1,2,4-trimethylbenzene											
		2.283	3.048	2.353	2.541	2.528	2.272	2.498	2.506	2.834	2.540	10.04
108)	sec-butylbenzene											
		2.841	3.648	3.068	3.313	3.261	2.919	3.222	3.222	3.577	3.230	8.32
109)	1,3-dichlorobenzene											
		1.329		1.383	1.448	1.437	1.348	1.432	1.438	1.716	1.441	8.30
110)	p-isopropyltoluene											
		2.282	2.882	2.411	2.613	2.598	2.238	2.599	2.540	2.863	2.558	8.79
111)	1,4-dichlorobenzene											
		1.367		1.435	1.499	1.487	1.411	1.473	1.493	1.763	1.491	7.99
112)	1,2-dichlorobenzene											
		1.328		1.383	1.454	1.433	1.312	1.437	1.427	1.701	1.435	8.35
113)	n-butylbenzene											

5.7.1
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Initial Calibration Summary

Page 5 of 5

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICC684
Lab FileID: 4D15563.D

	1.276	1.585	1.354	1.490	1.467	1.262	1.481	1.445	1.587	1.438	8.28
114)	1,2-dibromo-3-chloropropane										
	0.178		0.178	0.185	0.187	0.156	0.188	0.181	0.225	0.185	10.31
115)	1,2,4-trichlorobenzene										
	1.006		0.998	1.142	1.157	0.996	1.180	1.091	1.223	1.099	8.18
116)	hexachlorobutadiene										
	0.462	0.556	0.493	0.566	0.570	0.498	0.589	0.539	0.607	0.542	8.92
117)	naphthalene										
	2.744		2.701	3.053	3.040	2.627	2.990	2.936	3.390	2.935	8.35
118)	1,2,3-trichlorobenzene										
	0.947		0.971	1.081	1.091	0.925	1.091	1.041	1.180	1.041	8.39
119)	hexachloroethane										
	0.468	0.578	0.481	0.562	0.569	0.456	0.582	0.529	0.571	0.533	9.58
120)	Benzyl chloride										
	2.028		2.066	2.091	2.004	2.376	2.026	2.087	2.061	2.093	5.67

(#) = Out of Range ### Number of calibration levels exceeded format ###

M4D684.M

Thu Oct 06 09:52:21 2011

MS4D

5.7.1

5

Initial Calibration Verification

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICV684
Lab FileID: 4D15564.D

Page 1 of 3

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\4D15564.D
Acq On : 27 Sep 2011 1:33 pm
Sample : ICV684-50
Misc : MS18079,V4D684,,,,,1
MS Integration Params: rteint.p

Vial: 9
Operator: tamikag
Inst : MS4D
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M4D684.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Sep 27 14:58:08 2011
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	108	-0.02	7.42
2	1,4-dioxane	0.097	0.093	4.1	104	0.00	11.68
3 M	tertiary butyl alcohol	1.101	1.115	-1.3	113	-0.02	7.55
4 I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	9.98
5	chlorodifluoromethane	0.566	0.508	10.2	91	0.00	3.59
6	dichlorodifluoromethane	0.668	0.704	-5.4	100	0.02	3.58
7	chloromethane	0.766	0.781	-2.0	103	0.00	3.94
8	vinyl chloride	0.676	0.724	-7.1	102	0.00	4.22
9	acetaldehyde			-----NA-----			
10	bromomethane	0.436	0.449	-3.0	103	0.02	4.93
11	chloroethane	0.315	0.340	-7.9	106	0.03	5.14
12	trichlorofluoromethane	0.708	0.743	-4.9	103	0.00	5.68
13	vinyl bromide			-----NA-----			
14	ethyl ether	0.245	0.267	-9.0	106	0.00	6.17
15	pentane	0.852	0.597	29.9#	70	0.02	5.80
16	acrolein	0.121	0.122	-0.8	104	0.00	6.41
17	1,1-dichloroethene	0.430	0.448	-4.2	103	0.01	6.63
18	acetone	0.210	0.210	0.0	89	0.00	6.68
19	allyl chloride	0.252	0.260	-3.2	100	0.01	7.24
20	acetonitrile	0.035	0.035	0.0	107	0.00	7.16
21	iodomethane	0.809	0.832	-2.8	104	0.00	6.91
22	iso-butyl alcohol	0.021	0.024	-14.3	112	0.00	10.26
23	carbon disulfide	1.697	1.732	-2.1	103	0.00	7.05
24	methylene chloride	0.534	0.536	-0.4	103	0.00	7.44
25	methyl acetate	0.456	0.447	2.0	100	0.00	7.24
26	methyl tert butyl ether	1.424	1.447	-1.6	103	0.00	7.88
27	trans-1,2-dichloroethene	0.482	0.491	-1.9	102	0.00	7.90
28	di-isopropyl ether	1.728	1.614	6.6	98	0.00	8.59
29	ethyl tert-butyl ether	1.631	1.631	0.0	104	0.00	9.11
30	2-butanone	0.064	0.071	-10.9	100	0.00	9.34
31 M	1,1-dichloroethane	0.895	0.918	-2.6	102	0.00	8.54
32	chloroprene	0.729	0.672	7.8	93	0.00	8.68
33	acrylonitrile	0.212	0.233	-9.9	108	0.00	7.81
34	vinyl acetate	0.077	0.086	-11.7	109	0.00	8.56
35	ethyl acetate	0.077	0.078	-1.3	99	0.00	9.39
36	2,2-dichloropropane	0.688	0.699	-1.6	102	0.00	9.38
37	cis-1,2-dichloroethene	0.539	0.554	-2.8	104	0.00	9.36
38	propionitrile	0.086	0.094	-9.3	109	0.00	9.42
39	methyl acrylate	0.505	0.539	-6.7	105	-0.06	9.46
40	bromochloromethane	0.251	0.275	-9.6	105	0.00	9.69
41	tetrahydrofuran	0.164	0.180	-9.8	109	0.00	9.75

Initial Calibration Verification

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICV684
Lab FileID: 4D15564.D

42		chloroform	0.872	0.885	-1.5	103	0.00	9.76
43	S	dibromofluoromethane (s)	0.512	0.478	6.6	99	0.00	9.98
44	S	1,2-dichloroethane-d4 (s)	0.554	0.528	4.7	99	0.00	10.42
45		freon 113	0.339	0.335	1.2	99	0.01	6.64
46		methacrylonitrile	0.324	0.359	-10.8	109	0.00	9.63
47		1,1,1-trichloroethane	0.690	0.713	-3.3	103	0.00	10.06
48		tert-amyl methyl ether	1.535	1.673	-9.0	116	0.00	10.61
49	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	10.93
50		epichlorohydrin	0.041	0.042	-2.4	106	0.00	12.24
51		n-butyl alcohol	0.012	0.012	0.0	111	0.00	11.06
52	M	cyclohexane	0.399	0.417	-4.5	102	0.00	10.15
53		carbon tetrachloride	0.384	0.398	-3.6	103	0.00	10.28
54		1,1-dichloropropene	0.420	0.433	-3.1	103	0.00	10.25
55		hexane	0.404	0.353	12.6	88	0.00	8.30
56	M	benzene	1.256	1.287	-2.5	103	0.00	10.52
57		heptane	0.223	0.212	4.9	96	0.00	10.78
58		isopropyl acetate	0.679	0.683	-0.6	105	0.00	10.49
59		1,2-dichloroethane	0.419	0.433	-3.3	104	0.00	10.52
60		trichloroethene	0.321	0.331	-3.1	104	0.00	11.28
61		ethyl acrylate	0.445	0.471	-5.8	106	0.00	11.31
62		2-nitropropane	0.090	0.101	-12.2	107	0.00	12.08
63		2-chloroethyl vinyl ether	0.213	0.201	5.6	97	0.00	12.14
64		methyl methacrylate	0.305	0.331	-8.5	107	0.00	11.59
65		1,2-dichloropropane	0.339	0.348	-2.7	104	0.00	11.56
66		methylcyclohexane	0.500	0.486	2.8	99	0.00	11.54
67		dibromomethane	0.222	0.230	-3.6	105	0.00	11.70
68		bromodichloromethane	0.426	0.442	-3.8	104	0.00	11.85
69		cis-1,3-dichloropropene	0.534	0.553	-3.6	104	0.00	12.35
70	S	toluene-d8 (s)	1.101	1.056	4.1	99	0.00	12.68
71		4-methyl-2-pentanone	0.143	0.158	-10.5	109	0.00	12.48
72		toluene	0.745	0.761	-2.1	104	0.00	12.76
73		3-methyl-1-butanol	0.010	0.011	-10.0	113	0.00	12.49
74		trans-1,3-dichloropropene	0.491	0.512	-4.3	105	0.00	12.95
75		ethyl methacrylate	0.407	0.438	-7.6	106	0.00	12.99
76		1,1,2-trichloroethane	0.270	0.275	-1.9	104	0.00	13.18
77		2-hexanone	0.138	0.151	-9.4	102	0.00	13.39
78	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	14.29
79		tetrachloroethene	0.361	0.360	0.3	97	0.00	13.39
80		1,3-dichloropropane	0.533	0.533	0.0	104	0.00	13.37
81		butyl acetate	0.266	0.268	-0.8	107	0.00	13.49
82		dibromochloromethane	0.377	0.390	-3.4	105	0.00	13.65
83		1,2-dibromoethane	0.352	0.370	-5.1	106	0.00	13.81
84		n-Butyl Ether			-----NA-----			
85		chlorobenzene	0.923	0.917	0.7	103	0.00	14.32
86		1,1,1,2-tetrachloroethane	0.330	0.345	-4.5	105	0.00	14.39
87		ethylbenzene	1.574	1.595	-1.3	104	0.00	14.41
88		m,p-xylene	0.587	0.593	-1.0	103	0.00	14.52
89		o-xylene	0.591	0.595	-0.7	105	0.00	14.96
90		styrene	0.987	1.032	-4.6	105	0.00	14.97
91		butyl acrylate	0.761	0.804	-5.7	105	0.00	14.80
92		bromoform	0.264	0.288	-9.1	106	0.00	15.21
93	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	16.69
94		isopropylbenzene	2.902	3.001	-3.4	104	0.00	15.33
95	S	4-bromofluorobenzene (s)	0.909	0.857	5.7	99	0.00	15.52
96		bromobenzene	0.785	0.789	-0.5	104	0.00	15.71
97		cyclohexanone	0.156	0.165	-5.8	93	0.00	15.47
98		1,1,2,2-tetrachloroethane	0.984	1.036	-5.3	107	0.00	15.61

5.7.2
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Initial Calibration Verification

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Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D684-ICV684
Lab FileID: 4D15564.D

99	trans-1,4-dichloro-2-bute	0.217	0.242	-11.5	108	0.00	15.66
100	1,2,3-trichloropropane	0.217	0.232	-6.9	108	0.00	15.69
101	n-propylbenzene	3.593	3.683	-2.5	103	0.00	15.75
102	2-chlorotoluene	0.708	0.722	-2.0	104	0.00	15.89
103	4-chlorotoluene	2.248	2.255	-0.3	104	0.00	15.99
104	1,3,5-trimethylbenzene	2.433	2.519	-3.5	104	0.00	15.91
105	tert-butylbenzene	2.051	2.136	-4.1	104	0.00	16.26
106	pentachloroethane	0.463	0.511	-10.4	112	0.00	16.32
107	1,2,4-trimethylbenzene	2.540	2.599	-2.3	104	0.00	16.30
108	sec-butylbenzene	3.230	3.372	-4.4	104	0.00	16.48
109	1,3-dichlorobenzene	1.441	1.479	-2.6	104	0.00	16.64
110	p-isopropyltoluene	2.558	2.678	-4.7	105	0.00	16.60
111	1,4-dichlorobenzene	1.491	1.529	-2.5	104	0.00	16.72
112	1,2-dichlorobenzene	1.435	1.482	-3.3	104	0.00	17.10
113	n-butylbenzene	1.438	1.523	-5.9	104	0.00	17.00
114	1,2-dibromo-3-chloropropa	0.185	0.198	-7.0	109	0.00	17.83
115	1,2,4-trichlorobenzene	1.099	1.174	-6.8	105	0.00	18.61
116	hexachlorobutadiene	0.542	0.579	-6.8	104	0.00	18.74
117	naphthalene	2.935	3.221	-9.7	108	0.00	18.88
118	1,2,3-trichlorobenzene	1.041	1.127	-8.3	106	0.00	19.11
119	hexachloroethane	0.533	0.572	-7.3	104	0.00	17.36
120	Benzyl chloride	2.093	2.034	2.8	99	0.00	16.83

(#) = Out of Range
 4D15563.D M4D684.M

SPCC's out = 0 CCC's out = 0
 Thu Oct 06 09:54:16 2011 MS4D

Continuing Calibration Summary

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D702-CC684
Lab FileID: 4D15983.D

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Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\4D15983.D
Acq On : 6 Oct 2011 10:33 am
Sample : cc684-20
Misc : MS19288,V4D702,,,,,1
MS Integration Params: rteint.p

Vial: 2
Operator: tamikag
Inst : MS4D
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M4D684.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu Oct 06 10:00:32 2011
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	77	-0.02	7.41
2	1,4-dioxane	0.097	0.103	-6.2	79	0.00	11.68
3 M	tertiary butyl alcohol	1.101	0.985	10.5	69	-0.03	7.54
4 I	pentafluorobenzene	1.000	1.000	0.0	88	0.00	9.98
5	chlorodifluoromethane	0.566	0.337	40.5#	54	0.00	3.58
6	dichlorodifluoromethane	0.668	0.618	7.5	77	0.00	3.56
7	chloromethane	0.766	0.610	20.4#	70	-0.03	3.91
8	vinyl chloride	0.676	0.592	12.4	74	-0.03	4.19
9	acetaldehyde			-----NA-----			
10	bromomethane	0.436	0.424	2.8	82	0.01	4.92
11	chloroethane	0.315	0.295	6.3	76	0.02	5.13
12	trichlorofluoromethane	0.708	0.693	2.1	84	-0.02	5.66
13	vinyl bromide			-----NA-----			
14	ethyl ether	0.245	0.223	9.0	76	0.00	6.17
15	pentane	0.852	0.545	36.0#	56	0.02	5.80
16	acrolein	0.121	0.102	15.7	71	0.00	6.41
17	1,1-dichloroethene	0.430	0.397	7.7	81	0.00	6.62
18	acetone	0.210	0.212	-1.0	94	0.00	6.67
19	allyl chloride	0.252	0.235	6.7	78	0.00	7.24
20	acetonitrile	0.035	0.025	28.6#	61	0.00	7.15
21	iodomethane	0.809	0.781	3.5	85	0.00	6.90
22	iso-butyl alcohol	0.021	0.016	23.8#	66	0.00	10.26
23	carbon disulfide	1.697	1.439	15.2	75	0.00	7.05
24	methylene chloride	0.534	0.478	10.5	80	0.00	7.43
25	methyl acetate	0.456	0.331	27.4#	64	0.00	7.24
26	methyl tert butyl ether	1.424	1.263	11.3	78	-0.01	7.87
27	trans-1,2-dichloroethene	0.482	0.451	6.4	83	0.00	7.89
28	di-isopropyl ether	1.728	1.246	27.9#	65	0.00	8.59
29	ethyl tert-butyl ether	1.631	1.257	22.9#	69	0.00	9.11
30	2-butanone	0.064	0.065	-1.6	86	0.00	9.34
31 M	1,1-dichloroethane	0.895	0.784	12.4	76	0.00	8.54
32	chloroprene	0.729	0.565	22.5#	69	0.00	8.67
33	acrylonitrile	0.212	0.176	17.0	71	0.00	7.81
34	vinyl acetate	0.077	0.060	22.1#	66	0.00	8.56
35	ethyl acetate	0.077	0.055	28.6#	59	0.00	9.38
36	2,2-dichloropropane	0.688	0.643	6.5	82	0.00	9.38
37	cis-1,2-dichloroethene	0.539	0.511	5.2	83	0.00	9.36
38	propionitrile	0.086	0.072	16.3	73	0.00	9.42
39	methyl acrylate	0.505	0.424	16.0	74	-0.06	9.46
40	bromochloromethane	0.251	0.262	-4.4	86	0.00	9.68
41	tetrahydrofuran	0.164	0.129	21.3#	67	0.00	9.75

Continuing Calibration Summary

Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D702-CC684
Lab FileID: 4D15983.D

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42	chloroform	0.872	0.814	6.7	83	0.00	9.76
43 S	dibromofluoromethane (s)	0.512	0.504	1.6	92	0.00	9.97
44 S	1,2-dichloroethane-d4 (s)	0.554	0.524	5.4	86	0.00	10.42
45	freon 113	0.339	0.305	10.0	79	0.00	6.63
46	methacrylonitrile	0.324	0.265	18.2	69	0.00	9.63
47	1,1,1-trichloroethane	0.690	0.662	4.1	84	0.00	10.06
48	tert-amyl methyl ether	1.535	1.204	21.6#	71	0.00	10.61
49 I	1,4-difluorobenzene	1.000	1.000	0.0	86	0.00	10.93
50	epichlorohydrin	0.041	0.031	24.4#	67	0.00	12.24
51	n-butyl alcohol	0.012	0.009#	25.0#	69	0.00	11.06
52 M	cyclohexane	0.399	0.381	4.5	81	0.00	10.15
53	carbon tetrachloride	0.384	0.393	-2.3	87	0.00	10.28
54	1,1-dichloropropene	0.420	0.396	5.7	80	0.00	10.25
55	hexane	0.404	0.307	24.0#	65	0.00	8.30
56 M	benzene	1.256	1.188	5.4	81	0.00	10.52
57	heptane	0.223	0.178	20.2#	67	0.00	10.78
58	isopropyl acetate	0.679	0.502	26.1#	64	0.00	10.49
59	1,2-dichloroethane	0.419	0.390	6.9	79	0.00	10.52
60	trichloroethene	0.321	0.318	0.9	85	0.00	11.28
61	ethyl acrylate	0.445	0.344	22.7#	63	0.00	11.31
62	2-nitropropane	0.090	0.078	13.3	70	0.00	12.08
63	2-chloroethyl vinyl ether	0.213	0.169	20.7#	67	0.00	12.14
64	methyl methacrylate	0.305	0.255	16.4	71	0.00	11.60
65	1,2-dichloropropane	0.339	0.302	10.9	76	0.00	11.56
66	methylcyclohexane	0.500	0.421	15.8	74	0.00	11.54
67	dibromomethane	0.222	0.217	2.3	83	0.00	11.70
68	bromodichloromethane	0.426	0.412	3.3	83	0.00	11.85
69	cis-1,3-dichloropropene	0.534	0.502	6.0	80	0.00	12.35
70 S	toluene-d8 (s)	1.101	1.164	-5.7	94	0.00	12.68
71	4-methyl-2-pentanone	0.143	0.127	11.2	75	0.00	12.48
72	toluene	0.745	0.730	2.0	84	0.00	12.76
73	3-methyl-1-butanol	0.010	0.008#	20.0	73	0.00	12.49
74	trans-1,3-dichloropropene	0.491	0.454	7.5	78	0.00	12.95
75	ethyl methacrylate	0.407	0.365	10.3	76	0.00	12.99
76	1,1,2-trichloroethane	0.270	0.258	4.4	82	0.00	13.18
77	2-hexanone	0.138	0.137	0.7	84	0.00	13.40
78 I	chlorobenzene-d5	1.000	1.000	0.0	86	0.00	14.29
79	tetrachloroethene	0.361	0.373	-3.3	90	0.00	13.39
80	1,3-dichloropropane	0.533	0.488	8.4	79	0.00	13.37
81	butyl acetate	0.266	0.211	20.7#	68	0.00	13.49
82	dibromochloromethane	0.377	0.379	-0.5	86	0.00	13.65
83	1,2-dibromoethane	0.352	0.350	0.6	84	0.00	13.81
84	n-Butyl Ether			-----NA-----			
85	chlorobenzene	0.923	0.914	1.0	86	0.00	14.32
86	1,1,1,2-tetrachloroethane	0.330	0.337	-2.1	87	0.00	14.39
87	ethylbenzene	1.574	1.536	2.4	84	0.00	14.41
88	m,p-xylene	0.587	0.590	-0.5	86	0.00	14.52
89	o-xylene	0.591	0.592	-0.2	86	0.00	14.96
90	styrene	0.987	1.013	-2.6	86	0.00	14.97
91	butyl acrylate	0.761	0.611	19.7	66	0.00	14.80
92	bromoform	0.264	0.277	-4.9	88	0.00	15.22
93 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	16.69
94	isopropylbenzene	2.902	2.872	1.0	87	0.00	15.33
95 S	4-bromofluorobenzene (s)	0.909	0.915	-0.7	93	0.00	15.52
96	bromobenzene	0.785	0.797	-1.5	91	0.00	15.72
97	cyclohexanone	0.156	0.167	-7.1	94	0.00	15.47
98	1,1,2,2-tetrachloroethane	0.984	0.904	8.1	80	0.00	15.61

5.7.3

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Continuing Calibration Summary

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Job Number: JA87770
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V4D702-CC684
Lab FileID: 4D15983.D

99	trans-1,4-dichloro-2-bute	0.217	0.178	18.0	69	0.00	15.66
100	1,2,3-trichloropropane	0.217	0.207	4.6	82	0.00	15.69
101	n-propylbenzene	3.593	3.482	3.1	85	0.00	15.76
102	2-chlorotoluene	0.708	0.706	0.3	87	0.00	15.89
103	4-chlorotoluene	2.248	2.133	5.1	84	0.00	15.99
104	1,3,5-trimethylbenzene	2.433	2.403	1.2	86	0.00	15.91
105	tert-butylbenzene	2.051	2.041	0.5	88	0.00	16.26
106	pentachloroethane	0.463	0.503	-8.6	89	0.00	16.32
107	1,2,4-trimethylbenzene	2.540	2.474	2.6	86	0.00	16.30
108	sec-butylbenzene	3.230	3.207	0.7	86	0.00	16.48
109	1,3-dichlorobenzene	1.441	1.481	-2.8	89	0.00	16.64
110	p-isopropyltoluene	2.558	2.598	-1.6	89	0.00	16.60
111	1,4-dichlorobenzene	1.491	1.535	-3.0	89	0.00	16.72
112	1,2-dichlorobenzene	1.435	1.463	-2.0	89	0.00	17.10
113	n-butylbenzene	1.438	1.427	0.8	86	0.00	17.00
114	1,2-dibromo-3-chloropropa	0.185	0.164	11.4	79	0.00	17.83
115	1,2,4-trichlorobenzene	1.099	1.144	-4.1	91	0.00	18.61
116	hexachlorobutadiene	0.542	0.579	-6.8	93	0.00	18.74
117	naphthalene	2.935	2.849	2.9	84	0.00	18.88
118	1,2,3-trichlorobenzene	1.041	1.073	-3.1	90	0.00	19.11
119	hexachloroethane	0.533	0.533	0.0	87	0.00	17.36
120	Benzyl chloride	2.093	1.823	12.9	76	0.00	16.83

(#) = Out of Range
4D15562.D M4D684.M

SPCC's out = 0 CCC's out = 0
Fri Oct 07 14:55:36 2011 MS4D

GC/MS Volatiles

Raw Data

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15987.D
 Acq On : 6 Oct 2011 1:35 pm
 Operator : tamikag
 Sample : ja87770-1
 Misc : MS19201,V4D702,,,,,50
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 07 14:59:47 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

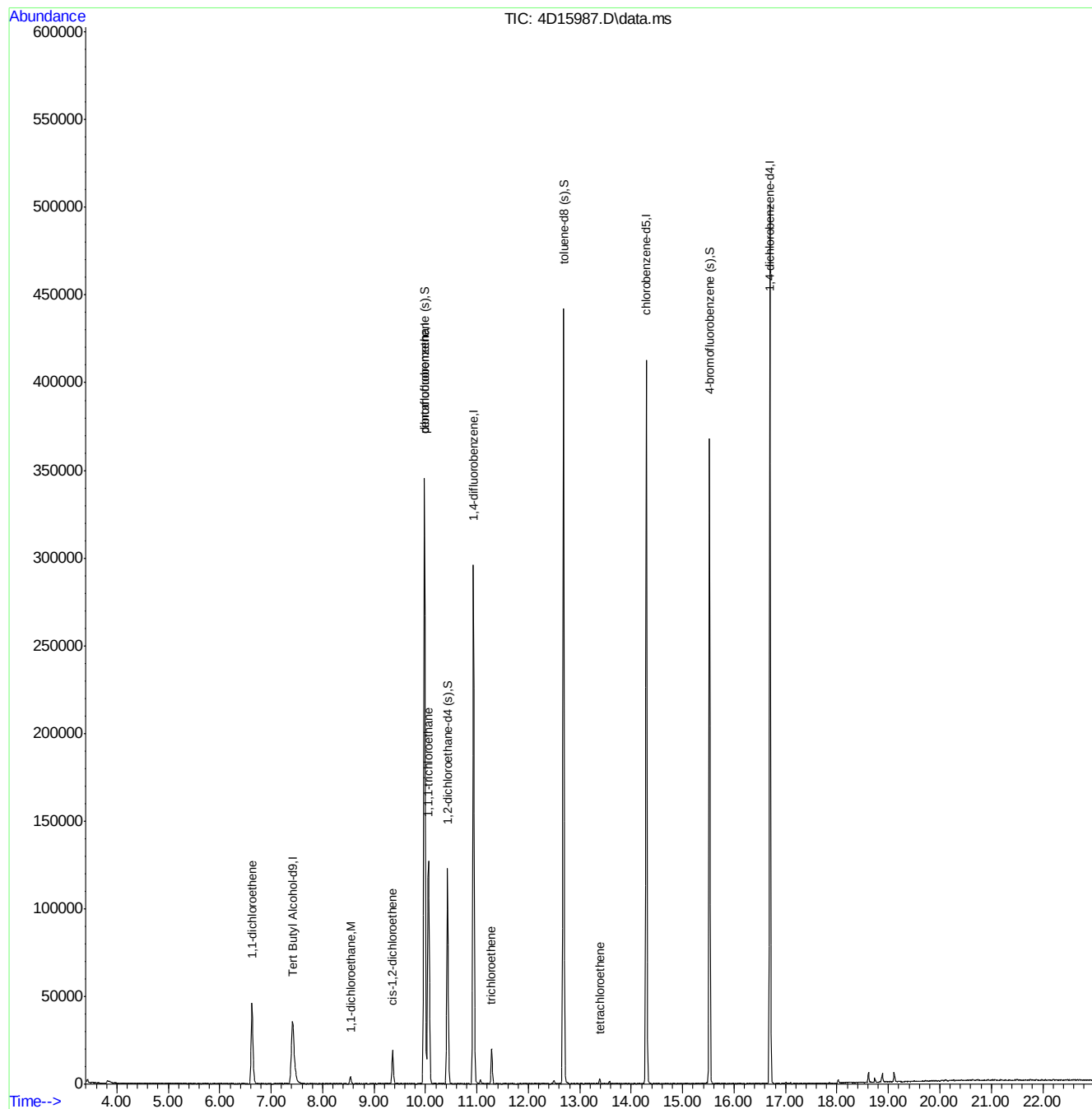
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	89410	500.00	ug/L	-0.02
4) pentafluorobenzene	9.977	168	171058	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.932	114	257163	50.00	ug/L	0.00
78) chlorobenzene-d5	14.292	117	231933	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.699	152	124174	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.977	113	87082	49.68	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	99.36%		
44) 1,2-dichloroethane-d4 (s)	10.428	65	89246	47.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	94.24%		
70) toluene-d8 (s)	12.683	98	296856	52.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	104.88%		
95) 4-bromofluorobenzene (s)	15.519	95	114606	50.76	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	101.52%		
Target Compounds						
17) 1,1-dichloroethene	6.627	96	25773	17.53	ug/L	90
31) 1,1-dichloroethane	8.541	63	5685	1.86	ug/L	95
37) cis-1,2-dichloroethene	9.359	96	9823	5.33	ug/L	87
47) 1,1,1-trichloroethane	10.056	97	100606	42.61	ug/L	100
60) trichloroethene	11.283	95	7273	4.41	ug/L	100
79) tetrachloroethene	13.391	166	957	0.57	ug/L	99

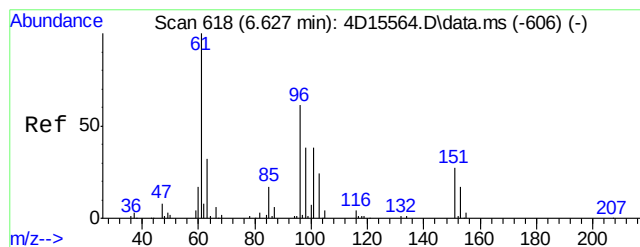
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15987.D
Acq On : 6 Oct 2011 1:35 pm
Operator : tamikag
Sample : ja87770-1
Misc : MS19201,V4D702,,,,,50
ALS Vial : 6 Sample Multiplier: 1

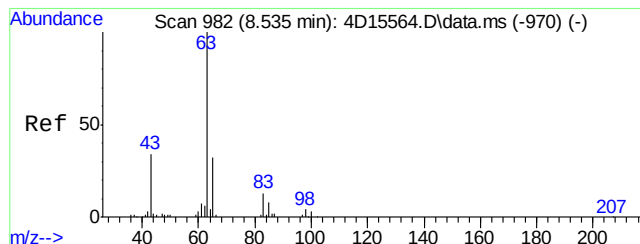
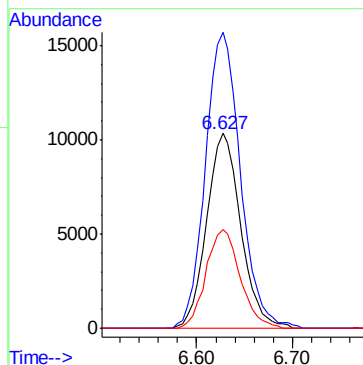
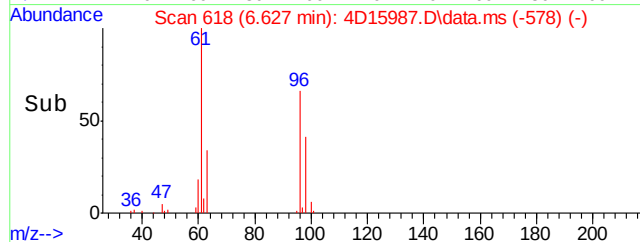
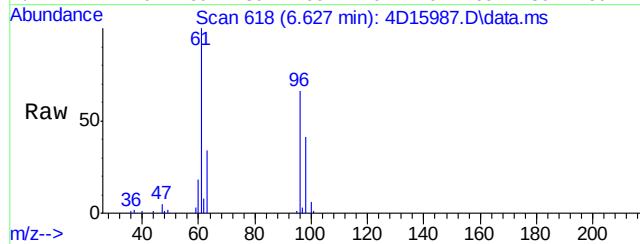
Quant Time: Oct 07 14:59:47 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration





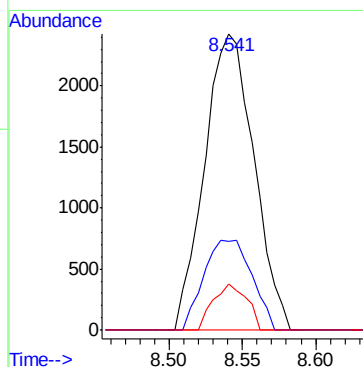
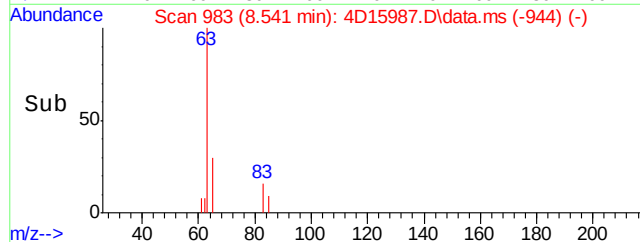
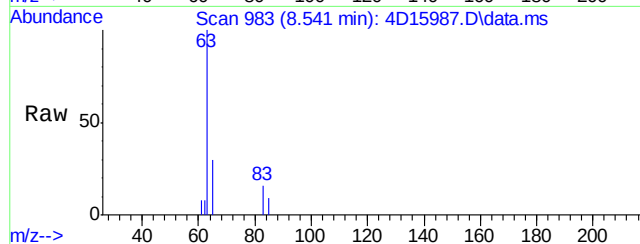
#17
1,1-dichloroethene
Concen: 17.53 ug/L
RT: 6.627 min Scan# 618
Delta R.T. 0.011 min
Lab File: 4D15987.D
Acq: 6 Oct 2011 1:35 pm

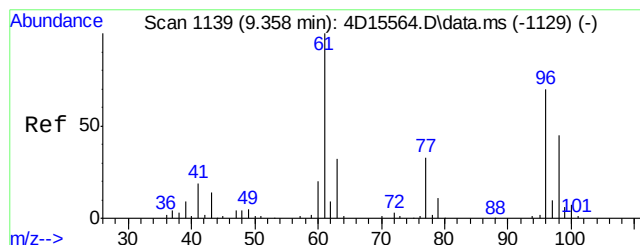
Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	137.2	197.2
63	51.0	24.9	84.9



#31
1,1-dichloroethane
Concen: 1.86 ug/L
RT: 8.541 min Scan# 983
Delta R.T. 0.005 min
Lab File: 4D15987.D
Acq: 6 Oct 2011 1:35 pm

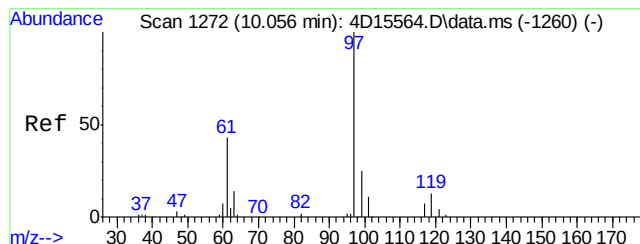
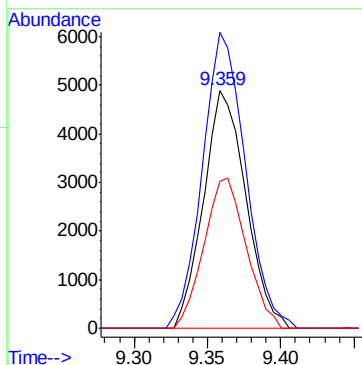
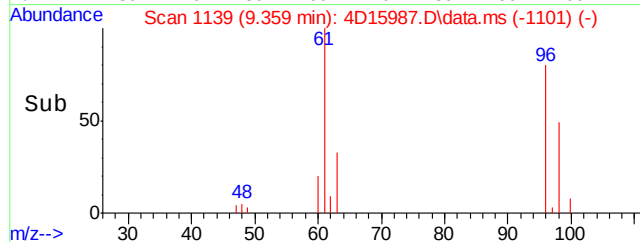
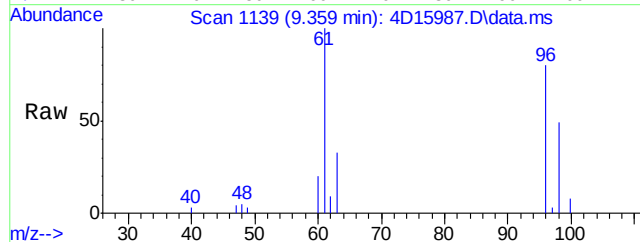
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.1	2.7	62.7
83	15.5	0.0	43.0





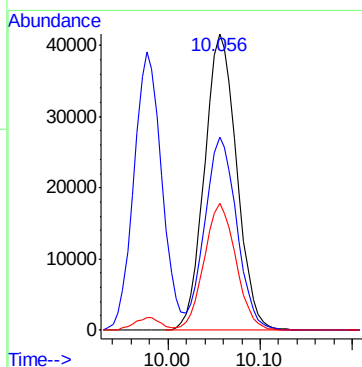
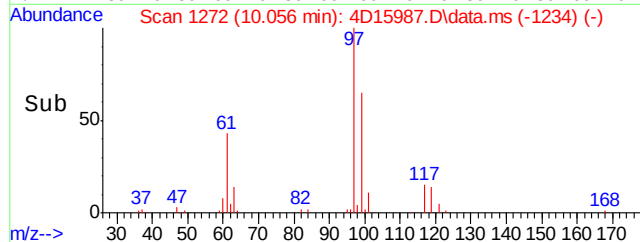
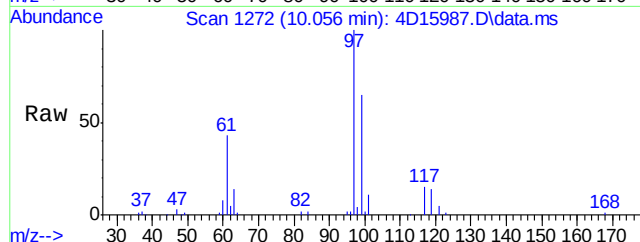
#37
 cis-1,2-dichloroethene
 Concen: 5.33 ug/L
 RT: 9.359 min Scan# 1139
 Delta R.T. 0.000 min
 Lab File: 4D15987.D
 Acq: 6 Oct 2011 1:35 pm

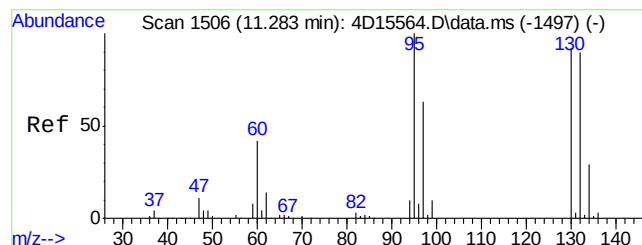
Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.2	115.6	175.6
98	61.5	33.3	93.3



#47
 1,1,1-trichloroethane
 Concen: 42.61 ug/L
 RT: 10.056 min Scan# 1272
 Delta R.T. 0.000 min
 Lab File: 4D15987.D
 Acq: 6 Oct 2011 1:35 pm

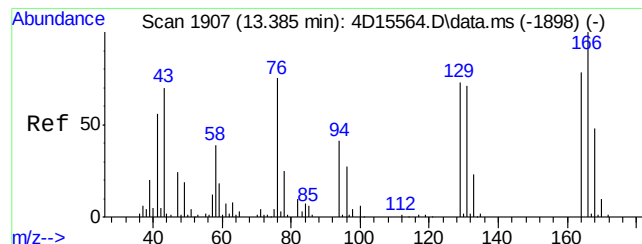
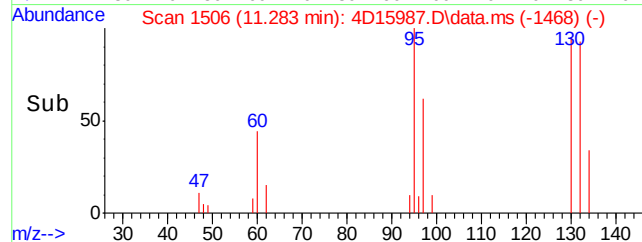
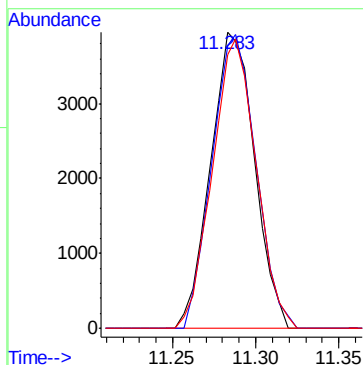
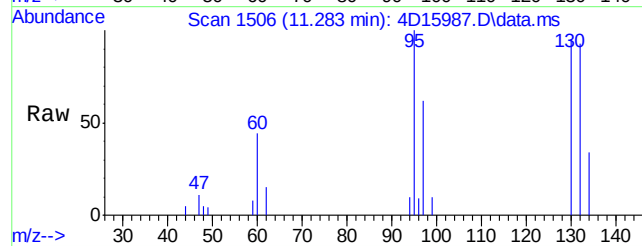
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	34.8	94.8
61	42.9	12.8	72.8





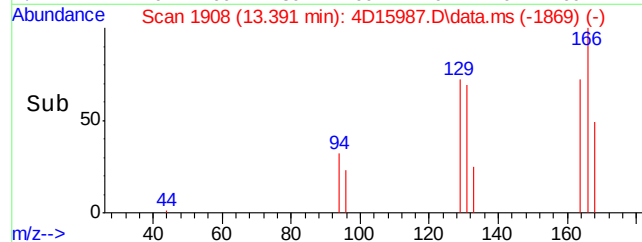
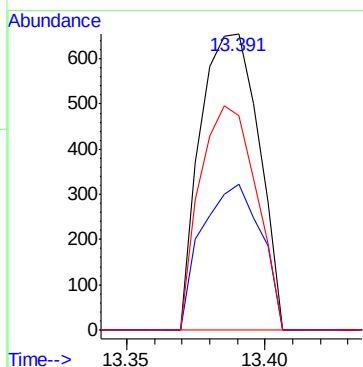
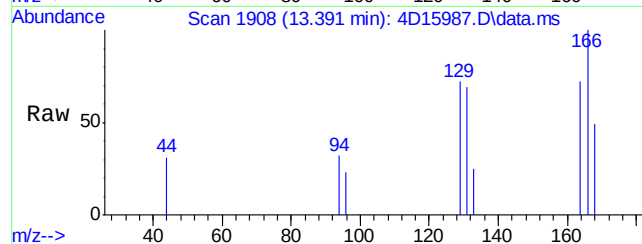
#60
trichloroethene
Concen: 4.41 ug/L
RT: 11.283 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 4D15987.D
Acq: 6 Oct 2011 1:35 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	95.4	65.3	125.3
132	92.6	62.4	122.4



#79
tetrachloroethene
Concen: 0.57 ug/L
RT: 13.391 min Scan# 1908
Delta R.T. 0.005 min
Lab File: 4D15987.D
Acq: 6 Oct 2011 1:35 pm

Tgt Ion	Ratio	Lower	Upper
166	100		
168	49.3	17.8	77.8
129	72.2	42.8	102.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15994.D
 Acq On : 6 Oct 2011 5:00 pm
 Operator : tamikag
 Sample : ja87770-1
 Misc : MS19201,V4D702,,,,,5
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 07 15:03:51 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

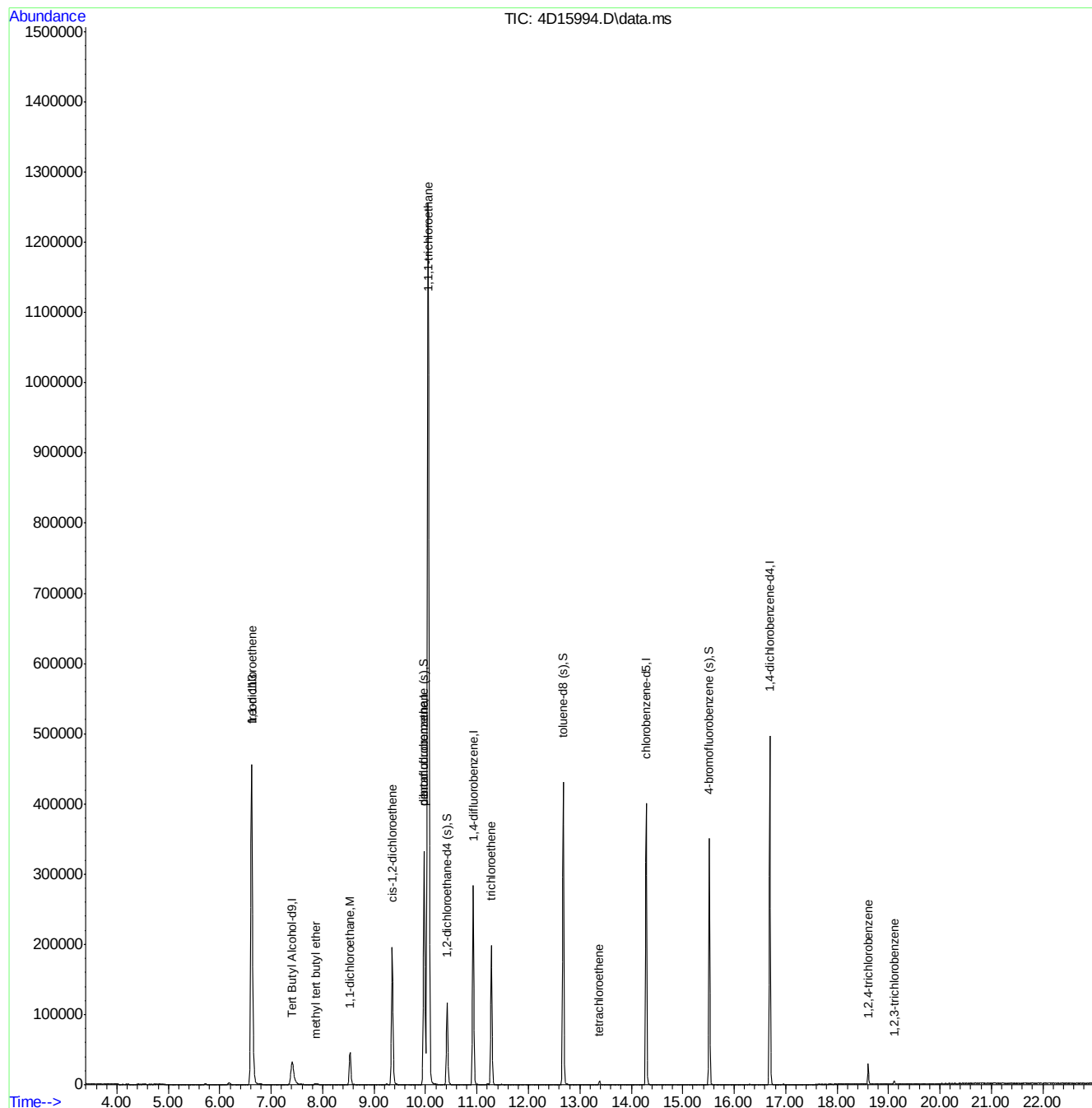
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.408	65	84064	500.00	ug/L	-0.03
4) pentafluorobenzene	9.972	168	163775	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.926	114	246359	50.00	ug/L	0.00
78) chlorobenzene-d5	14.287	117	226155	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	121503	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.972	113	84672	50.46	ug/L	0.00
Spiked Amount	50.000	Range 77 - 120	Recovery	=	100.92%	
44) 1,2-dichloroethane-d4 (s)	10.418	65	87650	48.34	ug/L	0.00
Spiked Amount	50.000	Range 70 - 127	Recovery	=	96.68%	
70) toluene-d8 (s)	12.677	98	287277	52.97	ug/L	0.00
Spiked Amount	50.000	Range 79 - 120	Recovery	=	105.94%	
95) 4-bromofluorobenzene (s)	15.514	95	110984	50.24	ug/L	0.00
Spiked Amount	50.000	Range 76 - 118	Recovery	=	100.48%	
Target Compounds						
17) 1,1-dichloroethene	6.622	96	253733	180.29	ug/L	91
26) methyl tert butyl ether	7.870	73	2971	0.64	ug/L	96
31) 1,1-dichloroethane	8.530	63	57402	19.58	ug/L	98
37) cis-1,2-dichloroethene	9.353	96	99506	56.38	ug/L	89
45) freon 113	6.622	151	4185	3.77	ug/L	94
47) 1,1,1-trichloroethane	10.051	97	1011302	447.39	ug/L	99
60) trichloroethene	11.278	95	70794	44.79	ug/L	99
79) tetrachloroethene	13.380	166	1528	0.94	ug/L	95
115) 1,2,4-trichlorobenzene	18.607	180	9238	3.46	ug/L	98
118) 1,2,3-trichlorobenzene	19.111	180	1724	0.68	ug/L	93

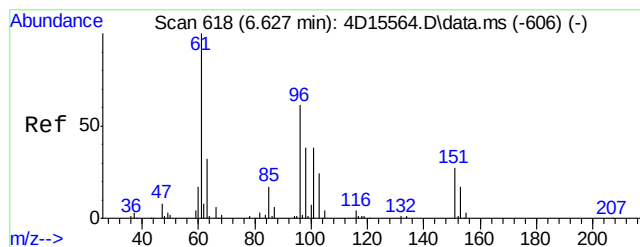
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15994.D
 Acq On : 6 Oct 2011 5:00 pm
 Operator : tamikag
 Sample : ja87770-1
 Misc : MS19201,V4D702,,,,,5
 ALS Vial : 13 Sample Multiplier: 1

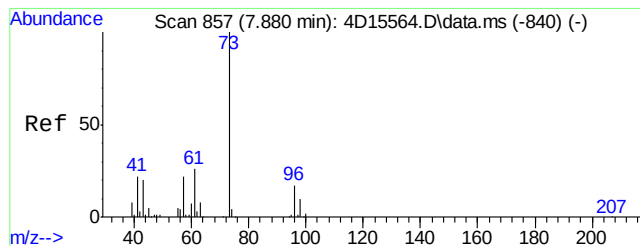
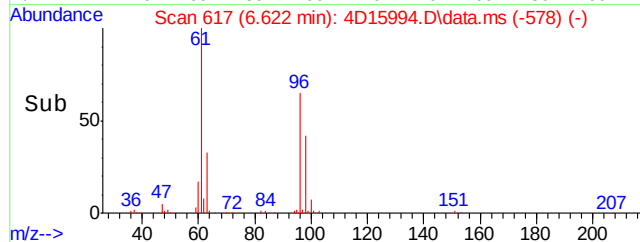
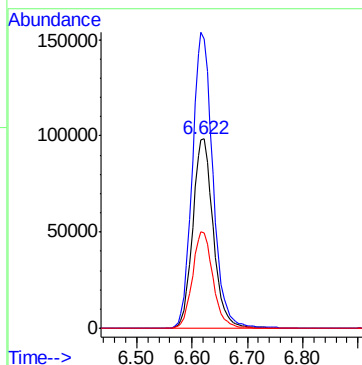
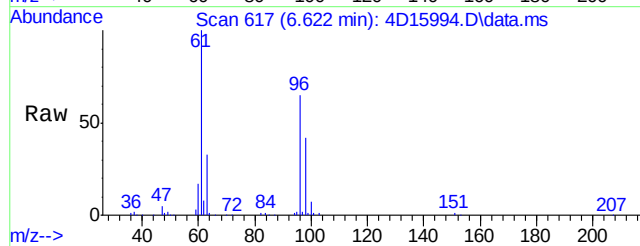
Quant Time: Oct 07 15:03:51 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration





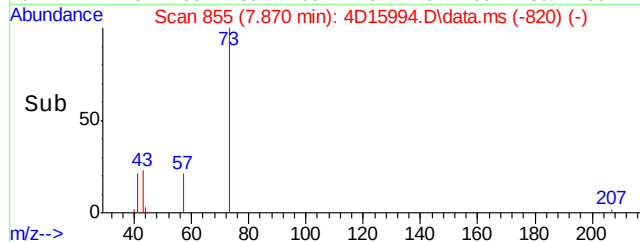
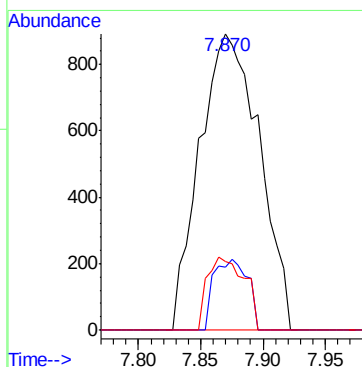
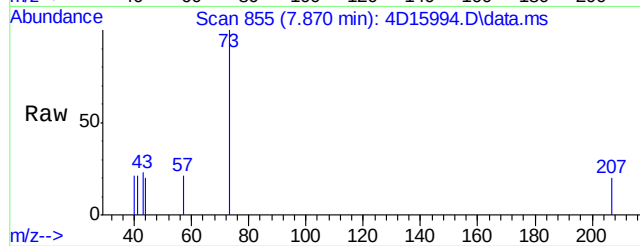
#17
1,1-dichloroethene
Concen: 180.29 ug/L
RT: 6.622 min Scan# 617
Delta R.T. 0.005 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

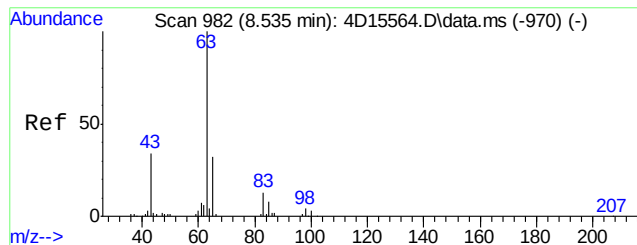
Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	137.2	197.2
63	50.7	24.9	84.9



#26
methyl tert butyl ether
Concen: 0.64 ug/L
RT: 7.870 min Scan# 855
Delta R.T. -0.016 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

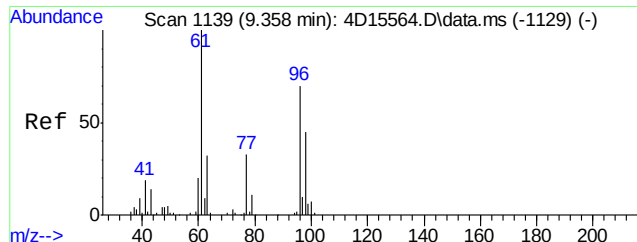
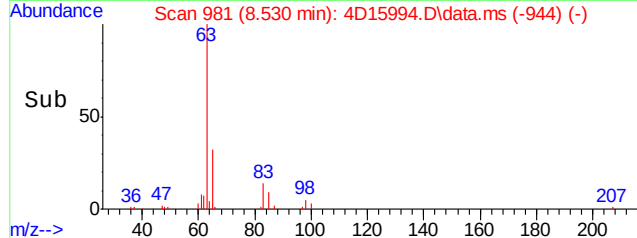
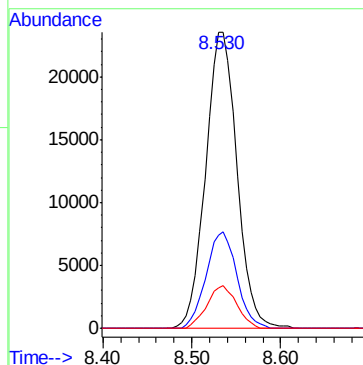
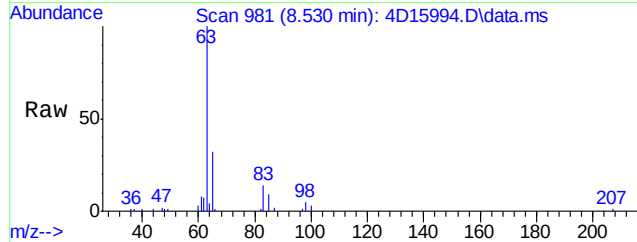
Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.1	0.0	52.4
43	23.1	0.0	50.7





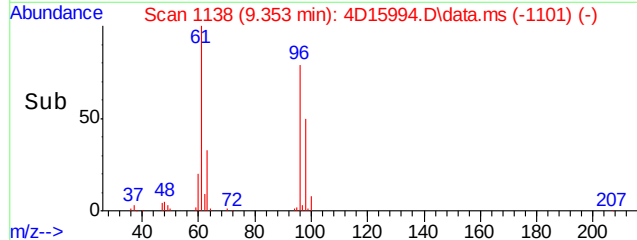
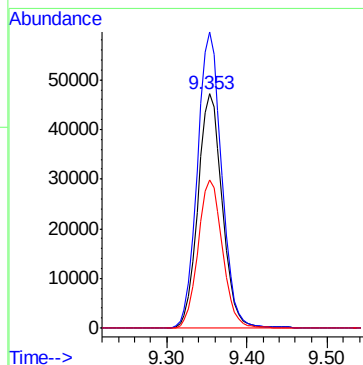
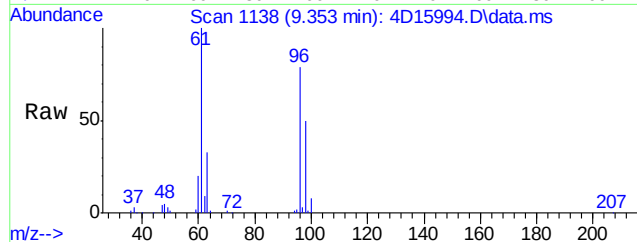
#31
1,1-dichloroethane
Concen: 19.58 ug/L
RT: 8.530 min Scan# 981
Delta R.T. -0.005 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

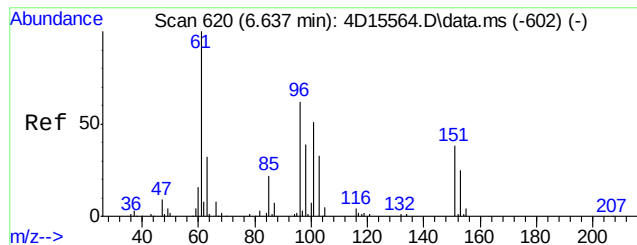
Tgt Ion:	63	Resp:	57402
Ion Ratio	Lower	Upper	
63	100		
65	31.6	2.7	62.7
83	13.8	0.0	43.0



#37
cis-1,2-dichloroethene
Concen: 56.38 ug/L
RT: 9.353 min Scan# 1138
Delta R.T. -0.005 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

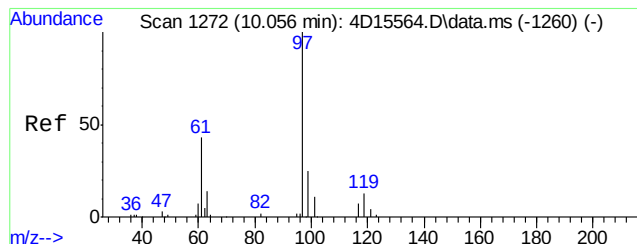
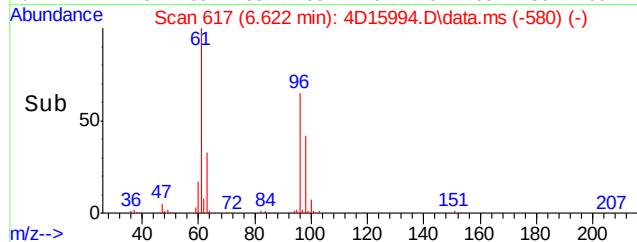
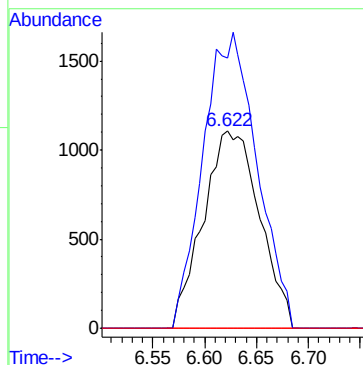
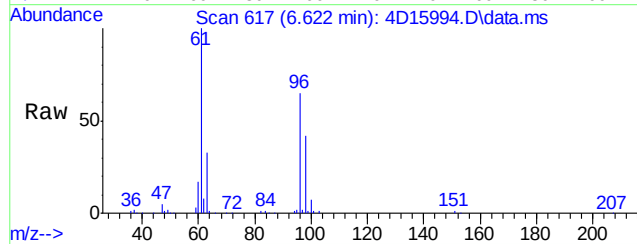
Tgt Ion:	96	Resp:	99506
Ion Ratio	Lower	Upper	
96	100		
61	126.5	115.6	175.6
98	63.4	33.3	93.3





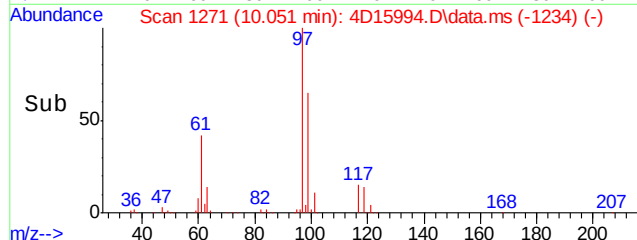
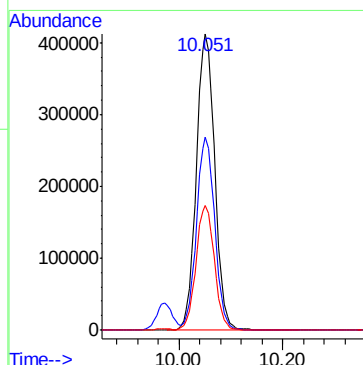
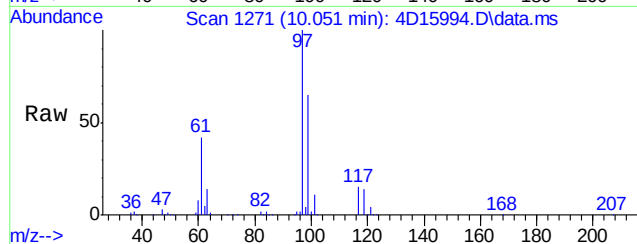
#45
 freon 113
 Concen: 3.77 ug/L
 RT: 6.622 min Scan# 617
 Delta R.T. -0.005 min
 Lab File: 4D15994.D
 Acq: 6 Oct 2011 5:00 pm

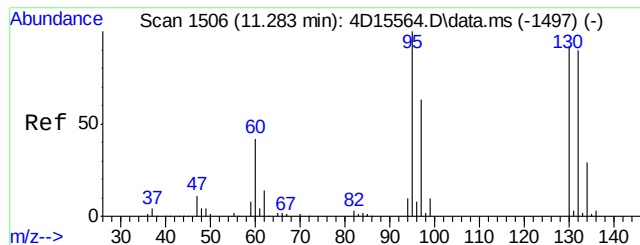
Tgt Ion	Ratio	Lower	Upper
151	100		
101	137.1	103.0	163.0
116	0.0	0.0	41.6



#47
 1,1,1-trichloroethane
 Concen: 447.39 ug/L
 RT: 10.051 min Scan# 1271
 Delta R.T. -0.005 min
 Lab File: 4D15994.D
 Acq: 6 Oct 2011 5:00 pm

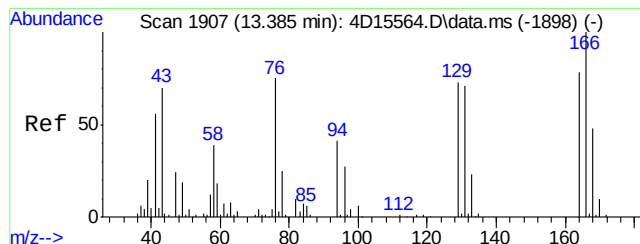
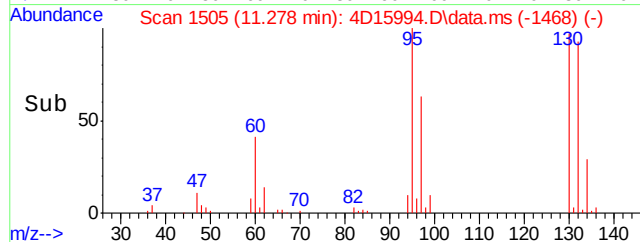
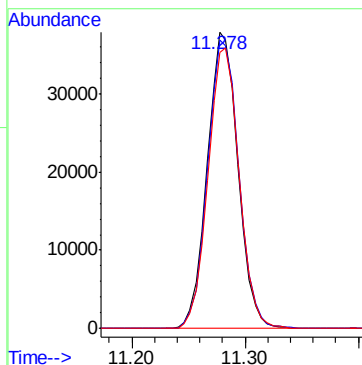
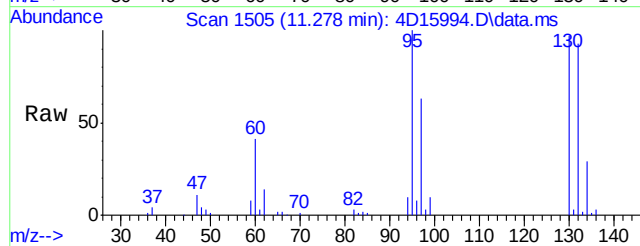
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	34.8	94.8
61	42.0	12.8	72.8





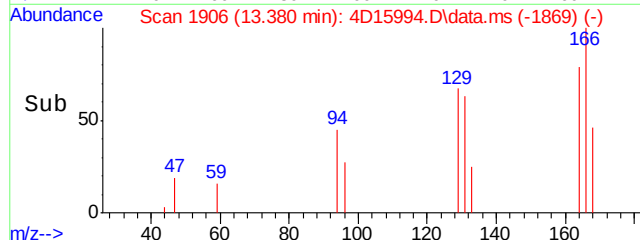
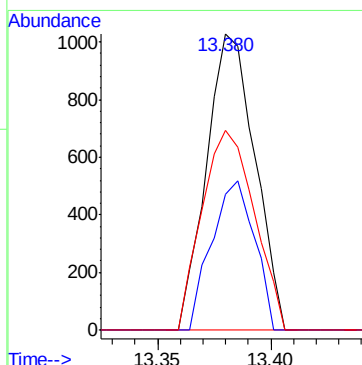
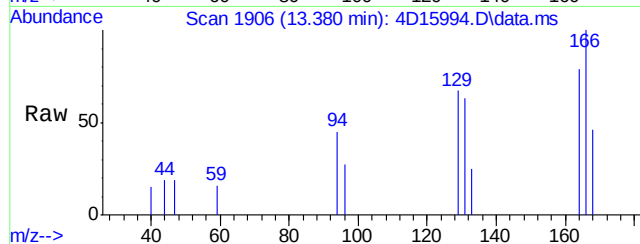
#60
trichloroethene
Concen: 44.79 ug/L
RT: 11.278 min Scan# 1505
Delta R.T. -0.005 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

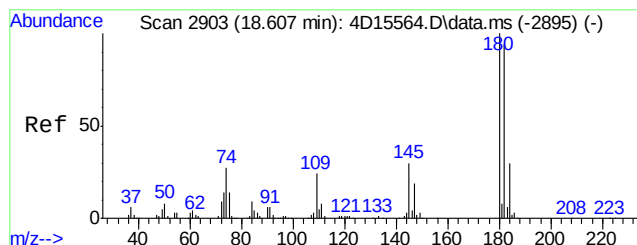
Tgt Ion	Ratio	Lower	Upper
95	100		
130	97.2	65.3	125.3
132	93.3	62.4	122.4



#79
tetrachloroethene
Concen: 0.94 ug/L
RT: 13.380 min Scan# 1906
Delta R.T. -0.005 min
Lab File: 4D15994.D
Acq: 6 Oct 2011 5:00 pm

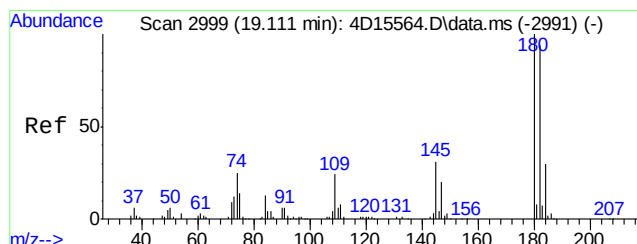
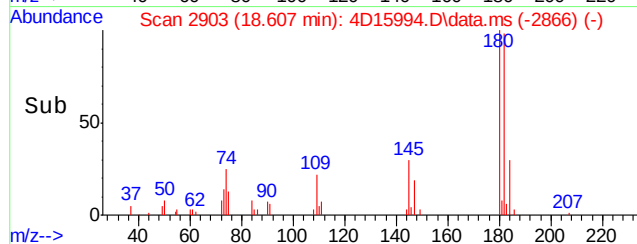
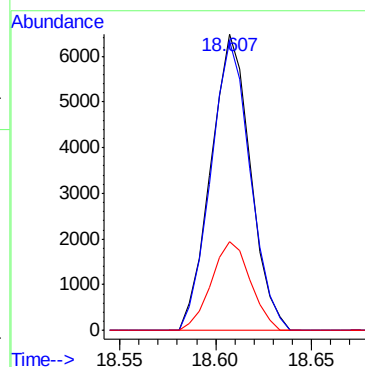
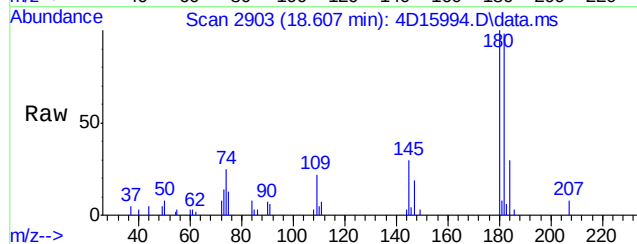
Tgt Ion	Ratio	Lower	Upper
166	100		
168	45.8	17.8	77.8
129	67.4	42.8	102.8





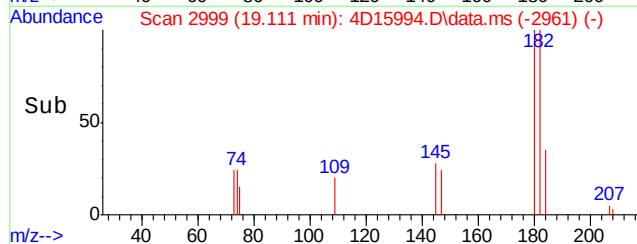
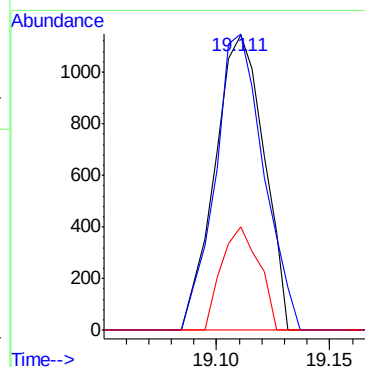
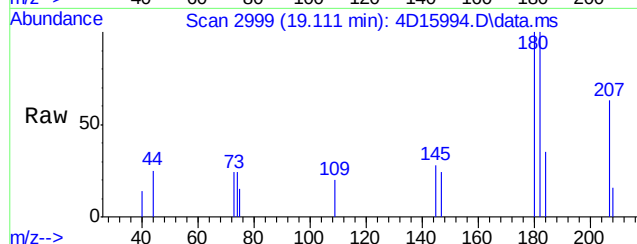
#115
 1,2,4-trichlorobenzene
 Concen: 3.46 ug/L
 RT: 18.607 min Scan# 2903
 Delta R.T. -0.005 min
 Lab File: 4D15994.D
 Acq: 6 Oct 2011 5:00 pm

Tgt Ion:	180	Resp:	9238
Ion Ratio	Lower	Upper	
180	100		
182	97.6	65.6	125.6
184	30.1	0.8	60.8



#118
 1,2,3-trichlorobenzene
 Concen: 0.68 ug/L
 RT: 19.111 min Scan# 2999
 Delta R.T. 0.000 min
 Lab File: 4D15994.D
 Acq: 6 Oct 2011 5:00 pm

Tgt Ion:	180	Resp:	1724
Ion Ratio	Lower	Upper	
180	100		
182	100.3	64.2	124.2
184	35.1	0.0	60.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15993.D
 Acq On : 6 Oct 2011 4:31 pm
 Operator : tamikag
 Sample : ja87770-2
 Misc : MS19201,V4D702,,,,,1
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 07 15:00:46 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

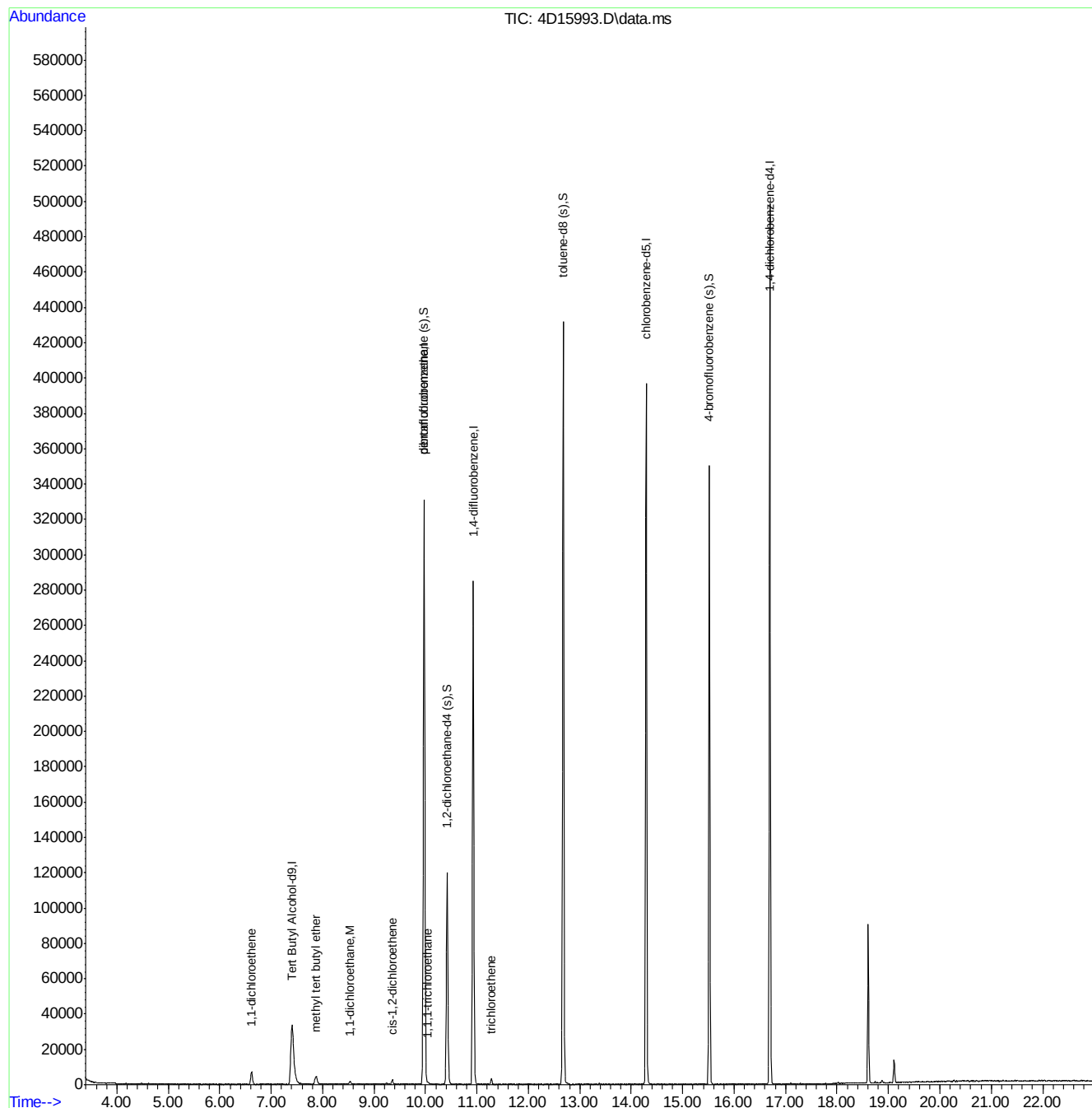
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.403	65	85869	500.00	ug/L	-0.03
4) pentafluorobenzene	9.972	168	165582	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.926	114	247435	50.00	ug/L	0.00
78) chlorobenzene-d5	14.287	117	225135	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	121734	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.972	113	85170	50.20	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	100.40%		
44) 1,2-dichloroethane-d4 (s)	10.418	65	88294	48.16	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	96.32%		
70) toluene-d8 (s)	12.678	98	289335	53.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	106.24%		
95) 4-bromofluorobenzene (s)	15.514	95	110672	50.00	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	100.00%		
Target Compounds						
17) 1,1-dichloroethene	6.617	96	4192	2.95	ug/L	97
26) methyl tert butyl ether	7.870	73	8194	1.74	ug/L	99
31) 1,1-dichloroethane	8.536	63	2760	0.93	ug/L	90
37) cis-1,2-dichloroethene	9.359	96	1419	0.80	ug/L	82
47) 1,1,1-trichloroethane	10.046	97	766	0.34	ug/L	80
60) trichloroethene	11.278	95	1305	0.82	ug/L	97

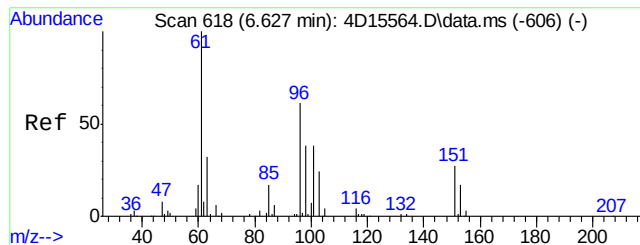
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15993.D
Acq On : 6 Oct 2011 4:31 pm
Operator : tamikag
Sample : ja87770-2
Misc : MS19201,V4D702,,,,,1
ALS Vial : 12 Sample Multiplier: 1

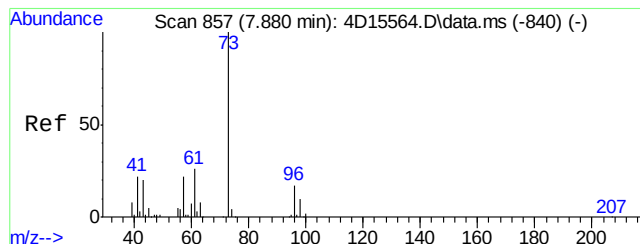
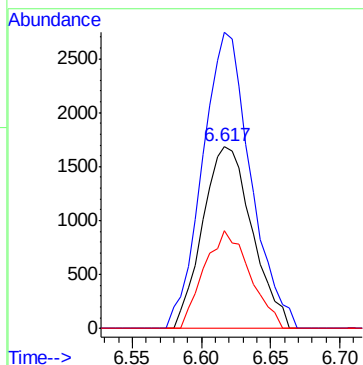
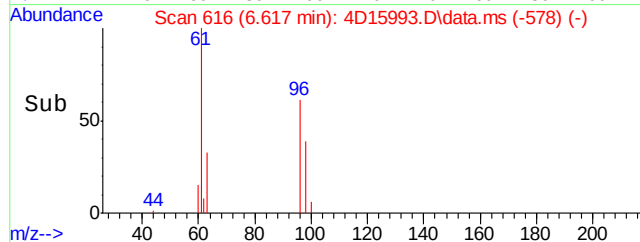
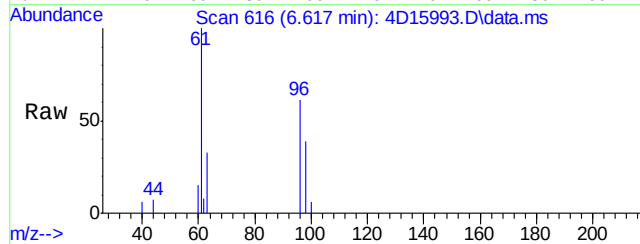
Quant Time: Oct 07 15:00:46 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration





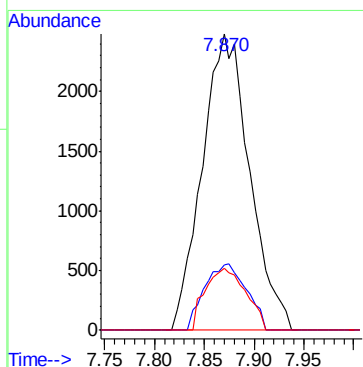
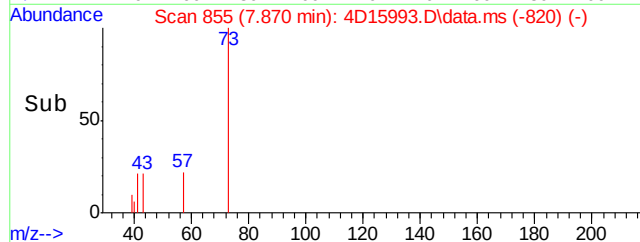
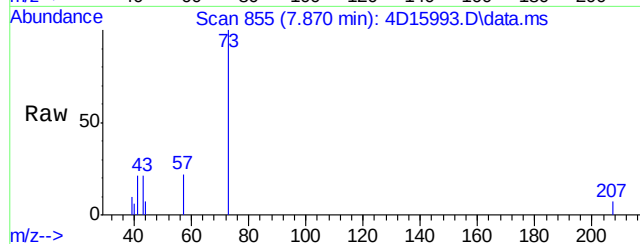
#17
1,1-dichloroethene
Concen: 2.95 ug/L
RT: 6.617 min Scan# 616
Delta R.T. 0.000 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

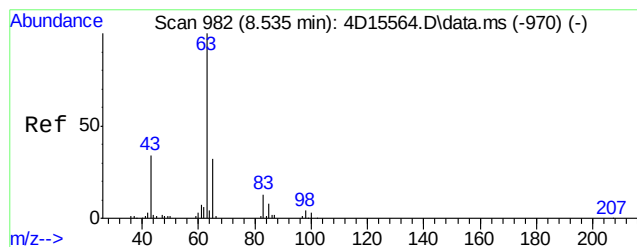
Tgt Ion:	96	Resp:	4192
Ion Ratio	Lower	Upper	
96	100		
61	162.7	137.2	197.2
63	53.6	24.9	84.9



#26
methyl tert butyl ether
Concen: 1.74 ug/L
RT: 7.870 min Scan# 855
Delta R.T. -0.016 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

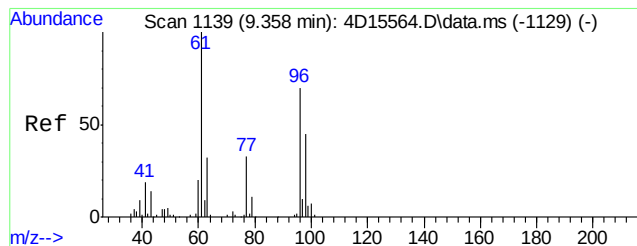
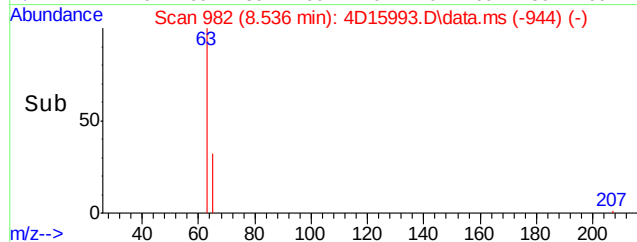
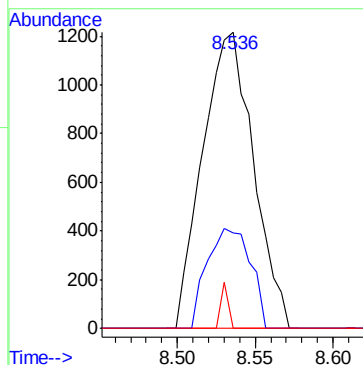
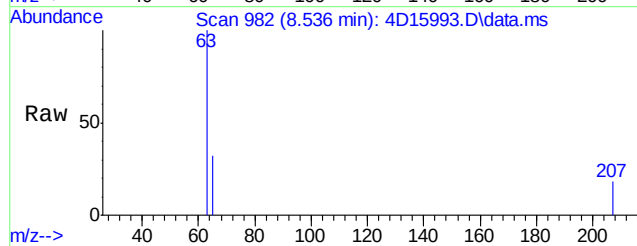
Tgt Ion:	73	Resp:	8194
Ion Ratio	Lower	Upper	
73	100		
57	22.0	0.0	52.4
43	21.0	0.0	50.7





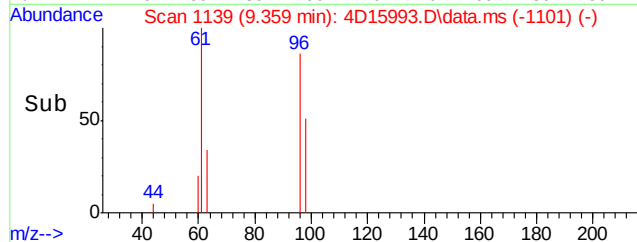
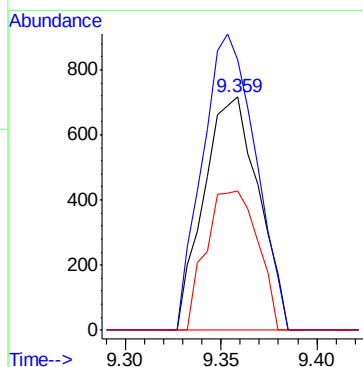
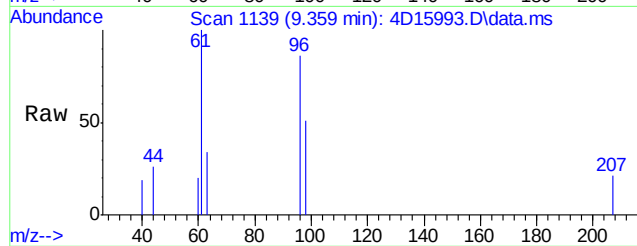
#31
1,1-dichloroethane
Concen: 0.93 ug/L
RT: 8.536 min Scan# 982
Delta R.T. 0.000 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

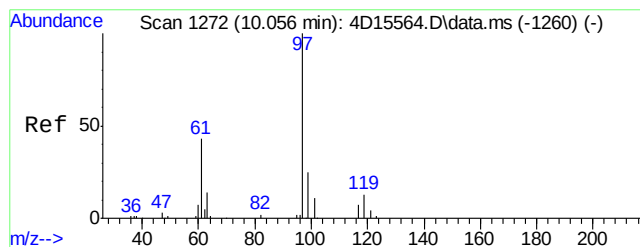
Tgt Ion:	63	Resp:	2760
Ion Ratio	Lower	Upper	
63	100		
65	32.2	2.7	62.7
83	0.0	0.0	43.0



#37
cis-1,2-dichloroethene
Concen: 0.80 ug/L
RT: 9.359 min Scan# 1139
Delta R.T. 0.000 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

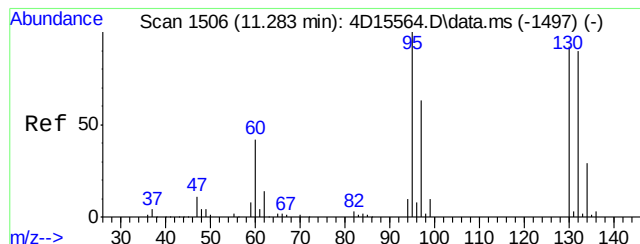
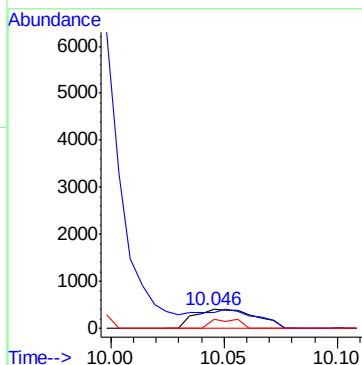
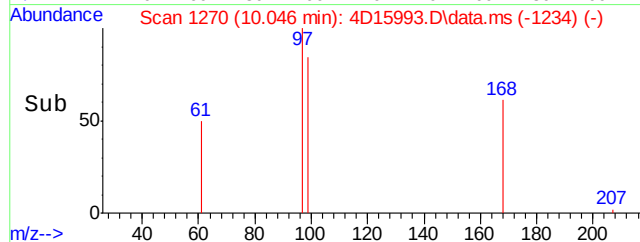
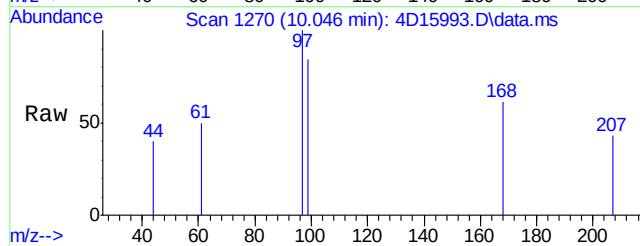
Tgt Ion:	96	Resp:	1419
Ion Ratio	Lower	Upper	
96	100		
61	116.2	115.6	175.6
98	59.8	33.3	93.3





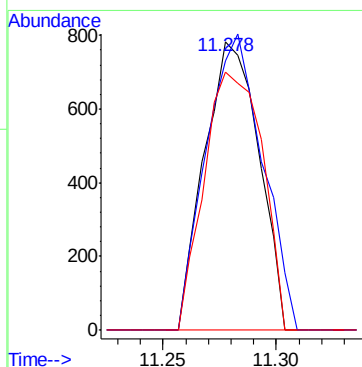
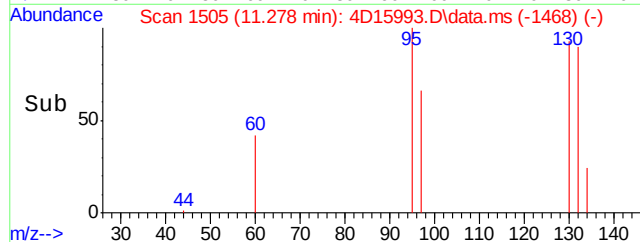
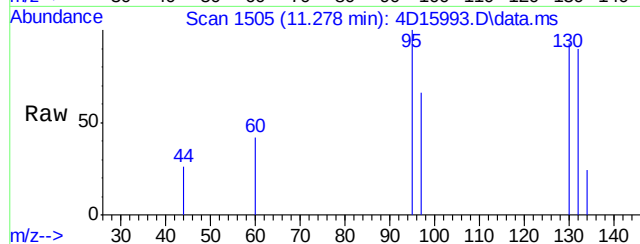
#47
1,1,1-trichloroethane
Concen: 0.34 ug/L
RT: 10.046 min Scan# 1270
Delta R.T. -0.010 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

Tgt Ion:	97	Resp:	766
Ion Ratio	Lower	Upper	
97	100		
99	84.2	34.8	94.8
61	50.5	12.8	72.8



#60
trichloroethene
Concen: 0.82 ug/L
RT: 11.278 min Scan# 1505
Delta R.T. -0.005 min
Lab File: 4D15993.D
Acq: 6 Oct 2011 4:31 pm

Tgt Ion:	95	Resp:	1305
Ion Ratio	Lower	Upper	
95	100		
130	93.1	65.3	125.3
132	89.5	62.4	122.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15995.D
 Acq On : 6 Oct 2011 5:29 pm
 Operator : tamikag
 Sample : ja87770-3
 Misc : MS19201,V4D702,,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 07 15:02:44 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

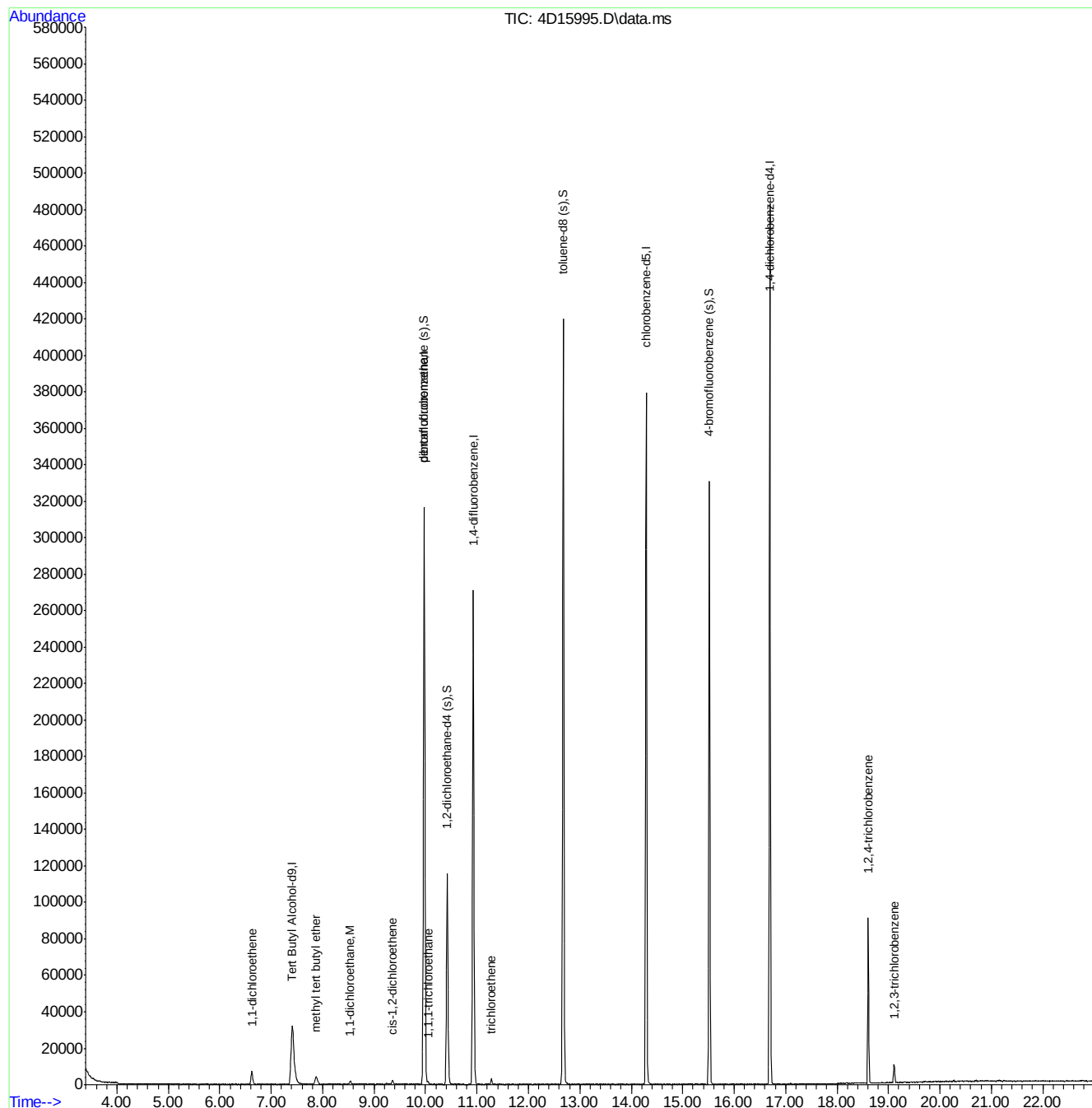
Internal Standards						
1) Tert Butyl Alcohol-d9	7.408	65	82789	500.00	ug/L	-0.03
4) pentafluorobenzene	9.972	168	156809	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.926	114	237247	50.00	ug/L	0.00
78) chlorobenzene-d5	14.292	117	217753	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	117543	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.972	113	81640	50.81	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	101.62%		
44) 1,2-dichloroethane-d4 (s)	10.423	65	85656	49.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	98.68%		
70) toluene-d8 (s)	12.677	98	277779	53.19	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	106.38%		
95) 4-bromofluorobenzene (s)	15.514	95	106105	49.65	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	99.30%		
Target Compounds						Qvalue
17) 1,1-dichloroethene	6.622	96	4198	3.12	ug/L	87
26) methyl tert butyl ether	7.875	73	7807	1.75	ug/L	94
31) 1,1-dichloroethane	8.535	63	2727	0.97	ug/L	95
37) cis-1,2-dichloroethene	9.359	96	1455	0.86	ug/L #	78
47) 1,1,1-trichloroethane	10.056	97	859	0.40	ug/L #	56
60) trichloroethene	11.283	95	1340	0.88	ug/L	88
115) 1,2,4-trichlorobenzene	18.607	180	27224	10.54	ug/L	99
118) 1,2,3-trichlorobenzene	19.111	180	4065	1.66	ug/L	98

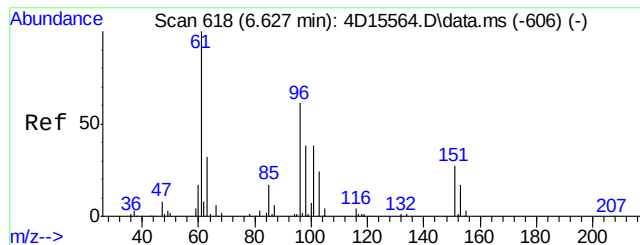
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15995.D
Acq On : 6 Oct 2011 5:29 pm
Operator : tamikag
Sample : ja87770-3
Misc : MS19201,V4D702,,,,,1
ALS Vial : 14 Sample Multiplier: 1

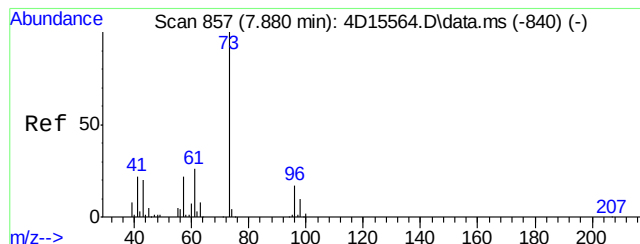
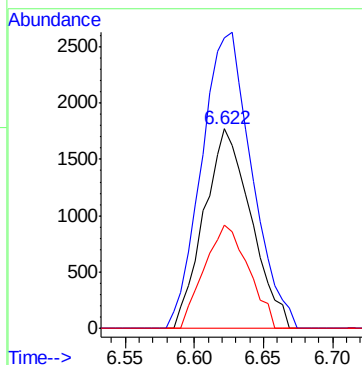
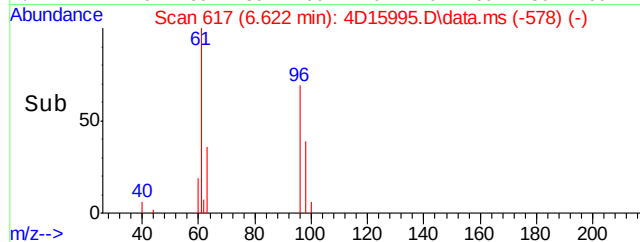
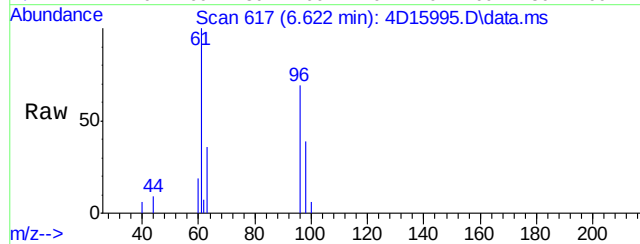
Quant Time: Oct 07 15:02:44 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration





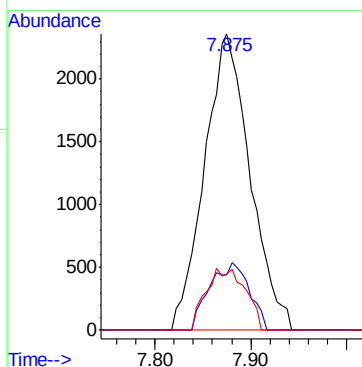
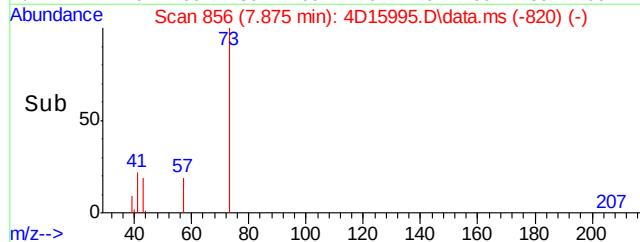
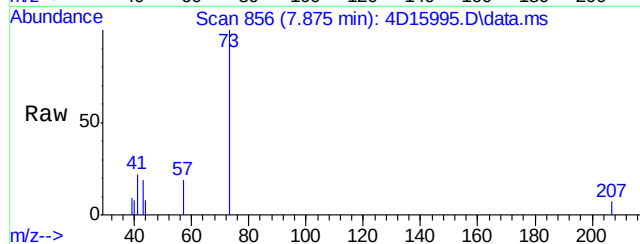
#17
1,1-dichloroethene
Concen: 3.12 ug/L
RT: 6.622 min Scan# 617
Delta R.T. 0.005 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

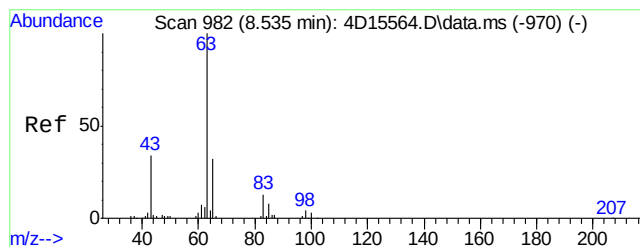
Tgt Ion:	96	Resp:	4198
Ion Ratio	Lower	Upper	
96	100		
61	145.5	137.2	197.2
63	51.9	24.9	84.9



#26
methyl tert butyl ether
Concen: 1.75 ug/L
RT: 7.875 min Scan# 856
Delta R.T. -0.010 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

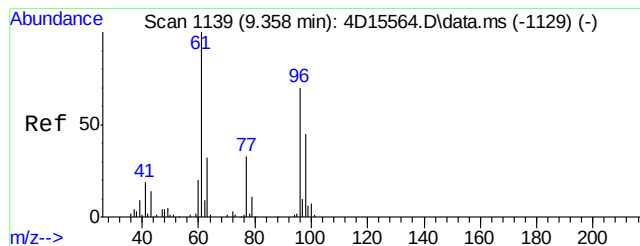
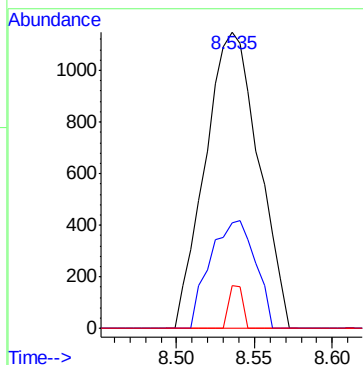
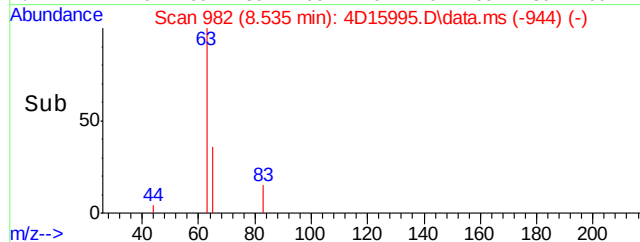
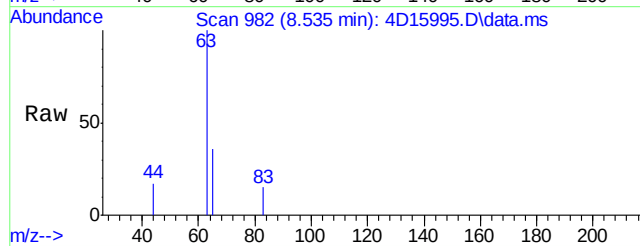
Tgt Ion:	73	Resp:	7807
Ion Ratio	Lower	Upper	
73	100		
57	18.5	0.0	52.4
43	18.9	0.0	50.7





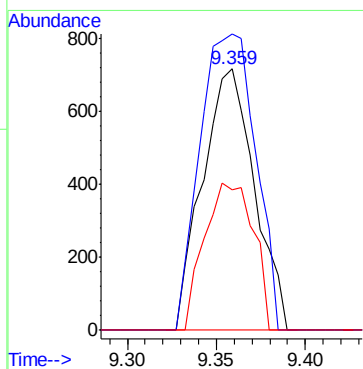
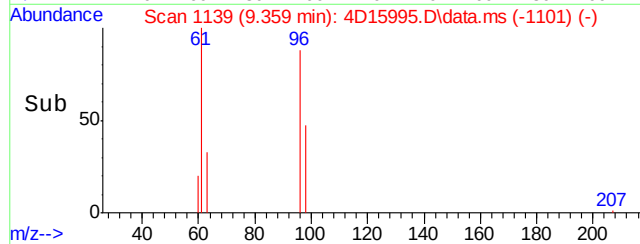
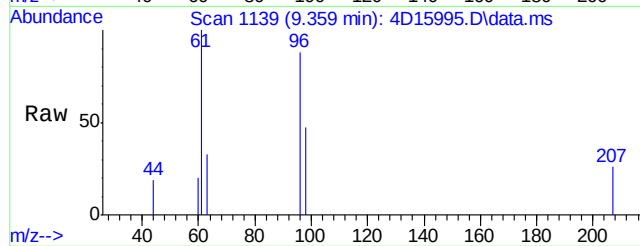
#31
1,1-dichloroethane
Concen: 0.97 ug/L
RT: 8.535 min Scan# 982
Delta R.T. 0.000 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

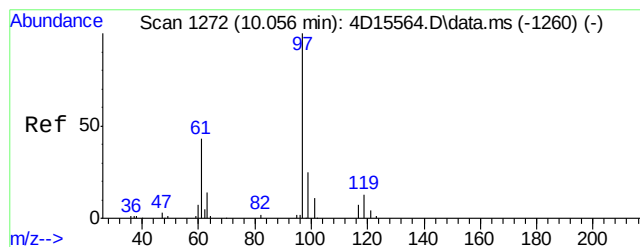
Tgt Ion:	63	Resp:	2727
Ion Ratio	Lower	Upper	
63	100		
65	35.5	2.7	62.7
83	14.5	0.0	43.0



#37
cis-1,2-dichloroethene
Concen: 0.86 ug/L
RT: 9.359 min Scan# 1139
Delta R.T. 0.000 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

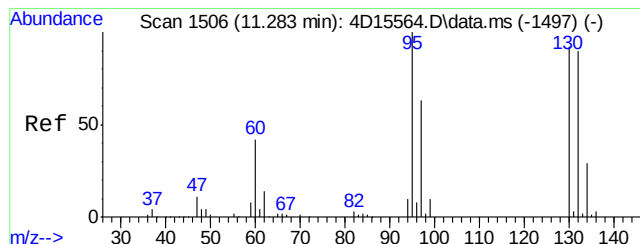
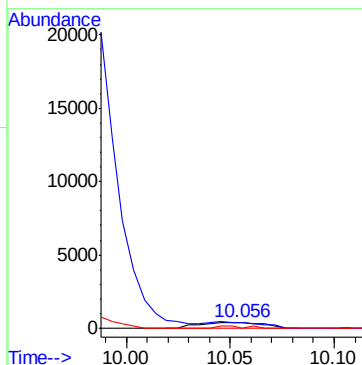
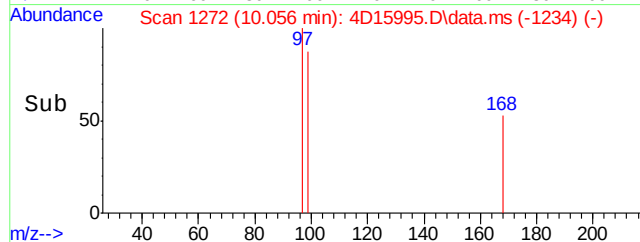
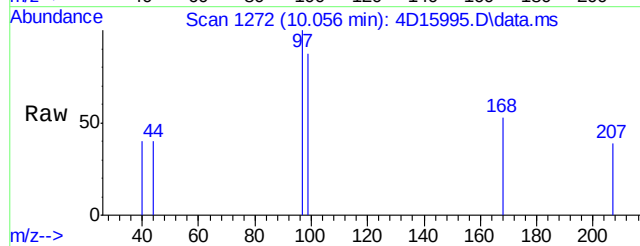
Tgt Ion:	96	Resp:	1455
Ion Ratio	Lower	Upper	
96	100		
61	113.4	115.6	175.6#
98	53.8	33.3	93.3





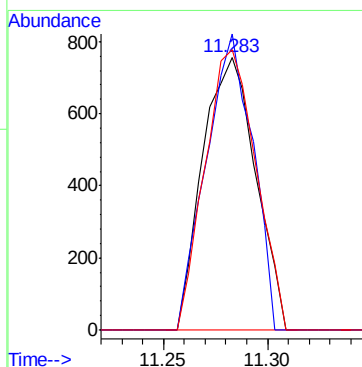
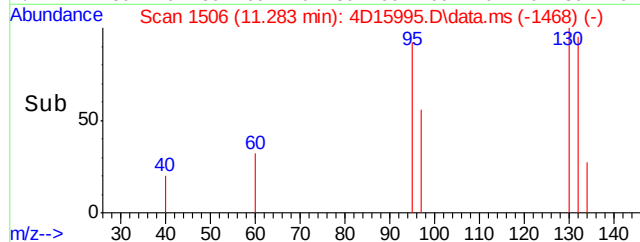
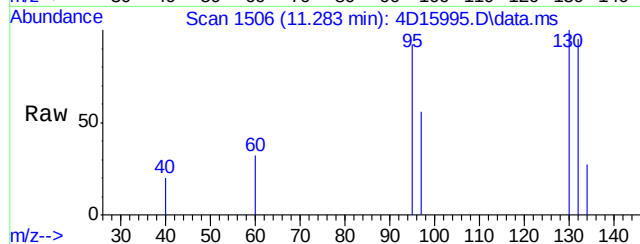
#47
1,1,1-trichloroethane
Concen: 0.40 ug/L
RT: 10.056 min Scan# 1272
Delta R.T. 0.000 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

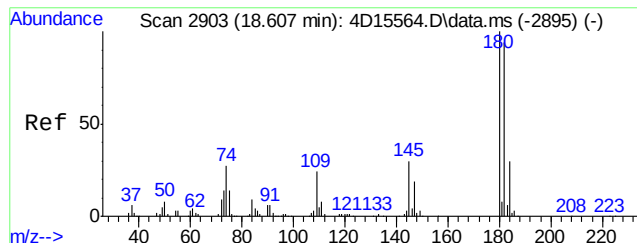
Tgt Ion:	97	Resp:	859
Ion Ratio	Lower	Upper	
97	100		
99	87.4	34.8	94.8
61	0.0	12.8	72.8#



#60
trichloroethene
Concen: 0.88 ug/L
RT: 11.283 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

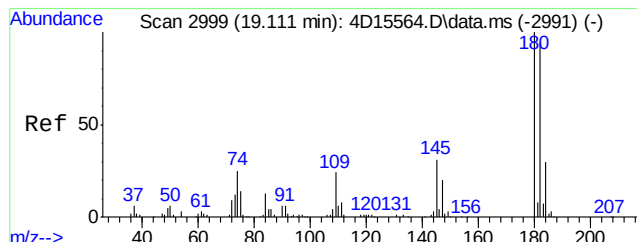
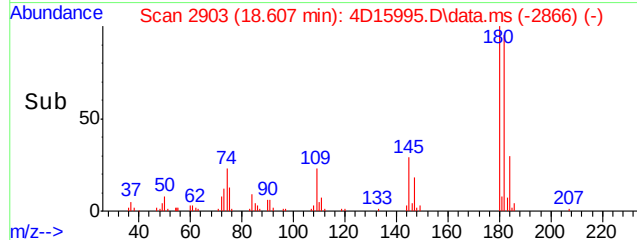
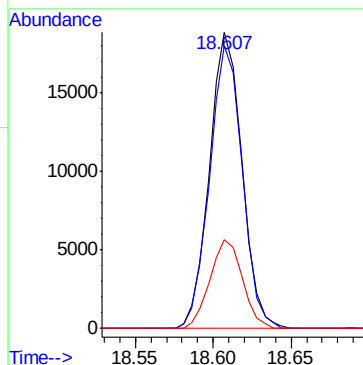
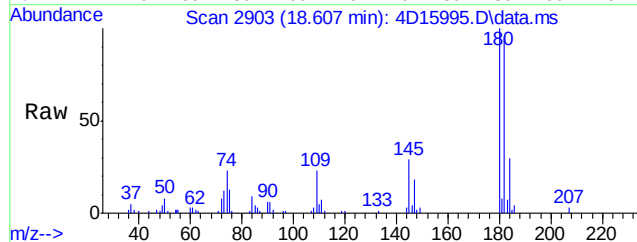
Tgt Ion:	95	Resp:	1340
Ion Ratio	Lower	Upper	
95	100		
130	108.5	65.3	125.3
132	102.5	62.4	122.4





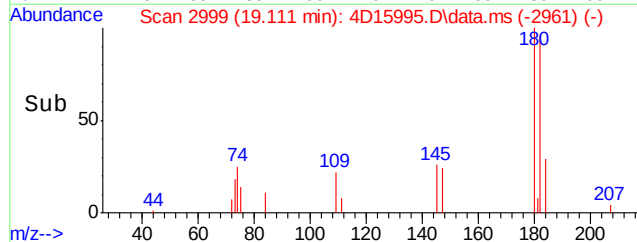
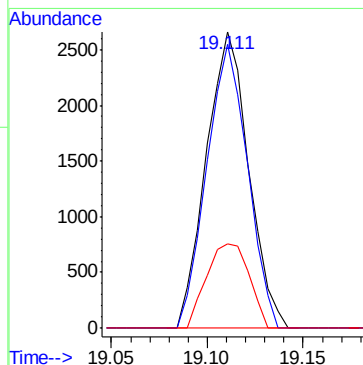
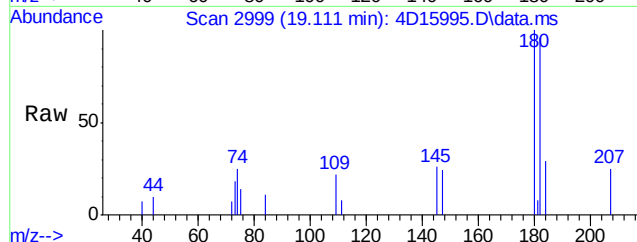
#115
1,2,4-trichlorobenzene
Concen: 10.54 ug/L
RT: 18.607 min Scan# 2903
Delta R.T. -0.005 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	27224		
182	95.3	65.6	125.6	
184	30.0	0.8	60.8	



#118
1,2,3-trichlorobenzene
Concen: 1.66 ug/L
RT: 19.111 min Scan# 2999
Delta R.T. 0.000 min
Lab File: 4D15995.D
Acq: 6 Oct 2011 5:29 pm

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4065		
182	96.0	64.2	124.2	
184	28.5	0.0	60.0	



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15996.D
 Acq On : 6 Oct 2011 5:58 pm
 Operator : tamikag
 Sample : ja87770-4
 Misc : MS19201,V4D702,,,,,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 07 15:15:59 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

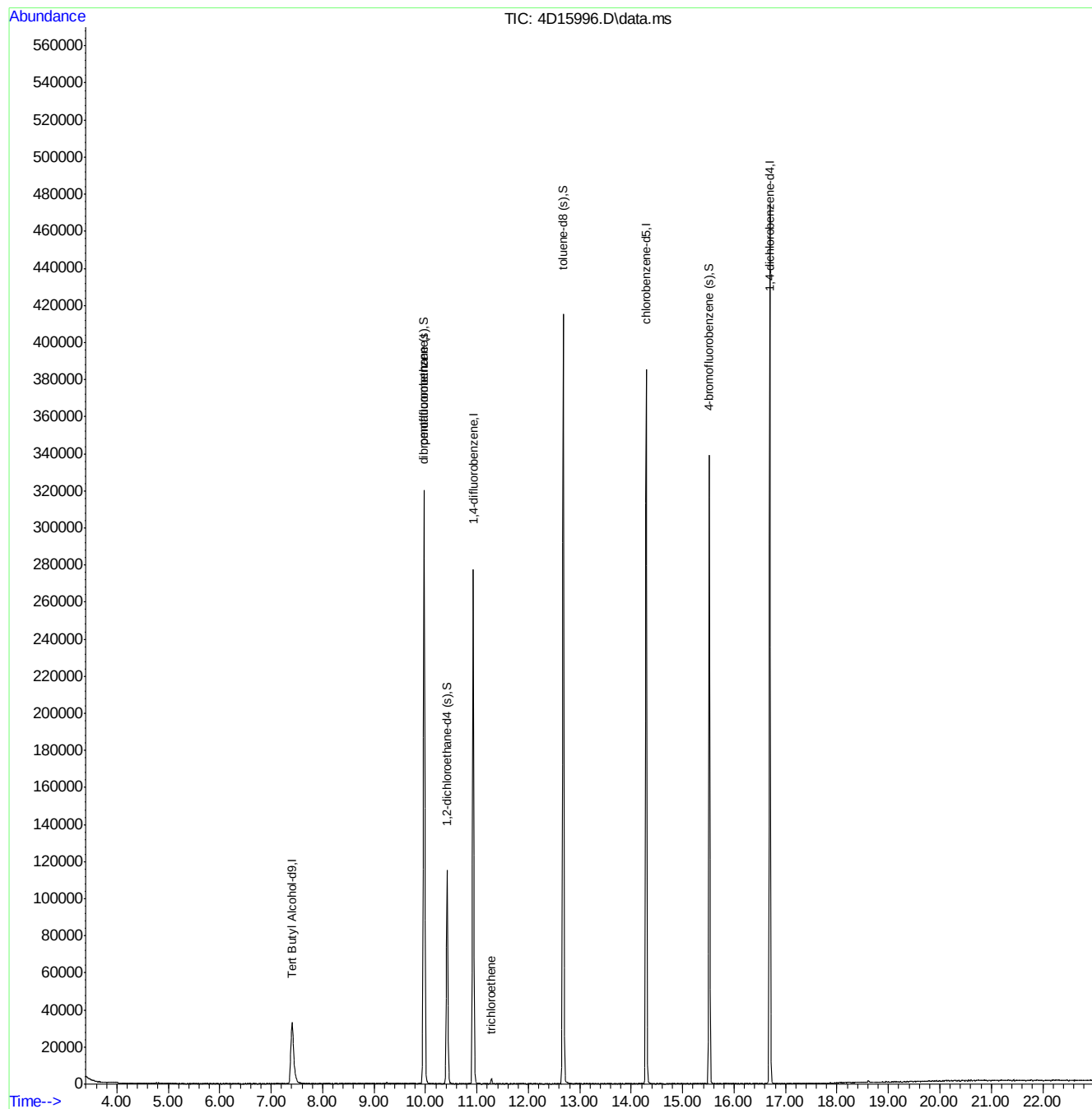
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.403	65	80205	500.00	ug/L	-0.03
4) pentafluorobenzene	9.972	168	156871	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.926	114	236543	50.00	ug/L	0.00
78) chlorobenzene-d5	14.287	117	218644	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	115878	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.967	113	81089	50.45	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	100.90%		
44) 1,2-dichloroethane-d4 (s)	10.418	65	85059	48.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	97.94%		
70) toluene-d8 (s)	12.678	98	276513	53.10	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	106.20%		
95) 4-bromofluorobenzene (s)	15.514	95	106063	50.34	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	100.68%		
Target Compounds						
60) trichloroethene	11.278	95	1193	0.79	ug/L	94

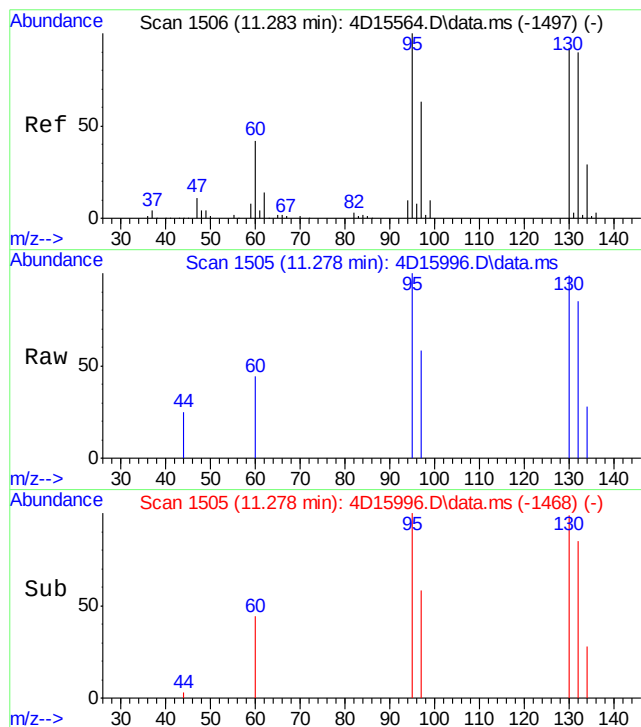
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15996.D
Acq On : 6 Oct 2011 5:58 pm
Operator : tamikag
Sample : ja87770-4
Misc : MS19201,V4D702,,,,,1
ALS Vial : 15 Sample Multiplier: 1

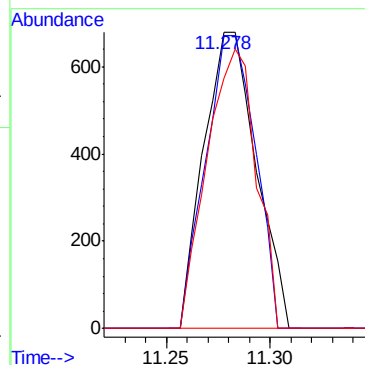
Quant Time: Oct 07 15:15:59 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration





#60
trichloroethene
Concen: 0.79 ug/L
RT: 11.278 min Scan# 1505
Delta R.T. -0.005 min
Lab File: 4D15996.D
Acq: 6 Oct 2011 5:58 pm

Tgt Ion	Ratio	Lower	Upper
95	100		
130	99.0	65.3	125.3
132	84.5	62.4	122.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15997.D
 Acq On : 6 Oct 2011 6:28 pm
 Operator : tamikag
 Sample : ja87770-5
 Misc : MS19201,V4D702,,,,,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 07 15:16:19 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.403	65	79229	500.00	ug/L	-0.03
4) pentafluorobenzene	9.972	168	153340	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.926	114	231603	50.00	ug/L	0.00
78) chlorobenzene-d5	14.292	117	213422	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	113392	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.972	113	80046	50.95	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	101.90%		
44) 1,2-dichloroethane-d4 (s)	10.418	65	83553	49.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	98.44%		
70) toluene-d8 (s)	12.678	98	272623	53.47	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	106.94%		
95) 4-bromofluorobenzene (s)	15.514	95	104088	50.48	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	100.96%		

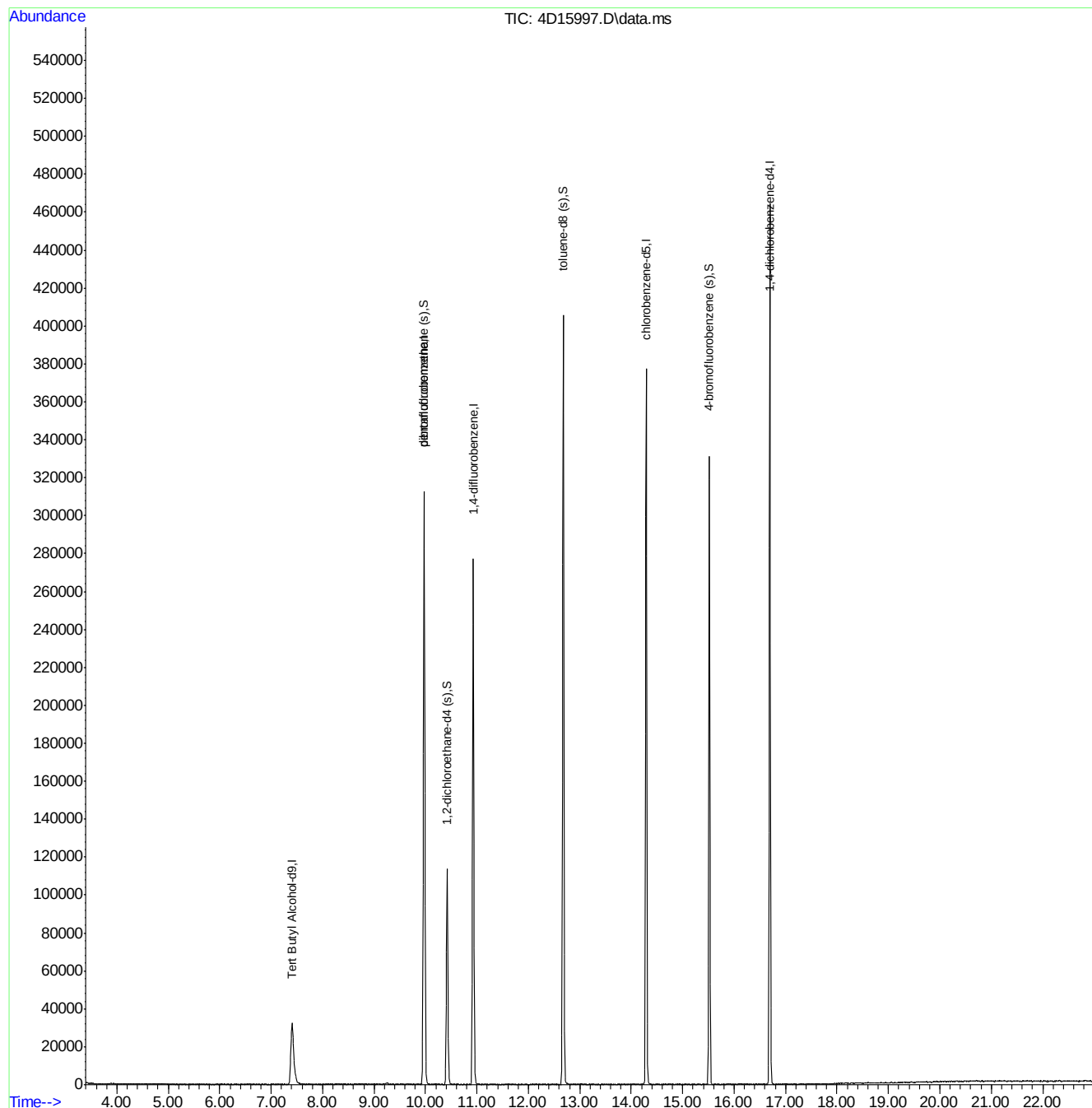
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15997.D
Acq On : 6 Oct 2011 6:28 pm
Operator : tamikag
Sample : ja87770-5
Misc : MS19201,V4D702,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 07 15:16:19 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 4D15998.D
 Acq On : 6 Oct 2011 6:57 pm
 Operator : tamikag
 Sample : ja87770-6
 Misc : MS19201,V4D702,,,,,1
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 07 15:16:35 2011
 Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
 Quant Title : SW-846 Method 8260
 QLast Update : Thu Oct 06 10:00:32 2011
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.413	65	78870	500.00	ug/L	-0.02
4) pentafluorobenzene	9.977	168	150247	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.931	114	225930	50.00	ug/L	0.00
78) chlorobenzene-d5	14.292	117	207219	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.694	152	111044	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.972	113	78472	50.97	ug/L	0.00
Spiked Amount 50.000	Range 77 - 120		Recovery =	101.94%		
44) 1,2-dichloroethane-d4 (s)	10.423	65	82173	49.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 127		Recovery =	98.80%		
70) toluene-d8 (s)	12.677	98	261215	52.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	105.04%		
95) 4-bromofluorobenzene (s)	15.514	95	101001	50.02	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	100.04%		

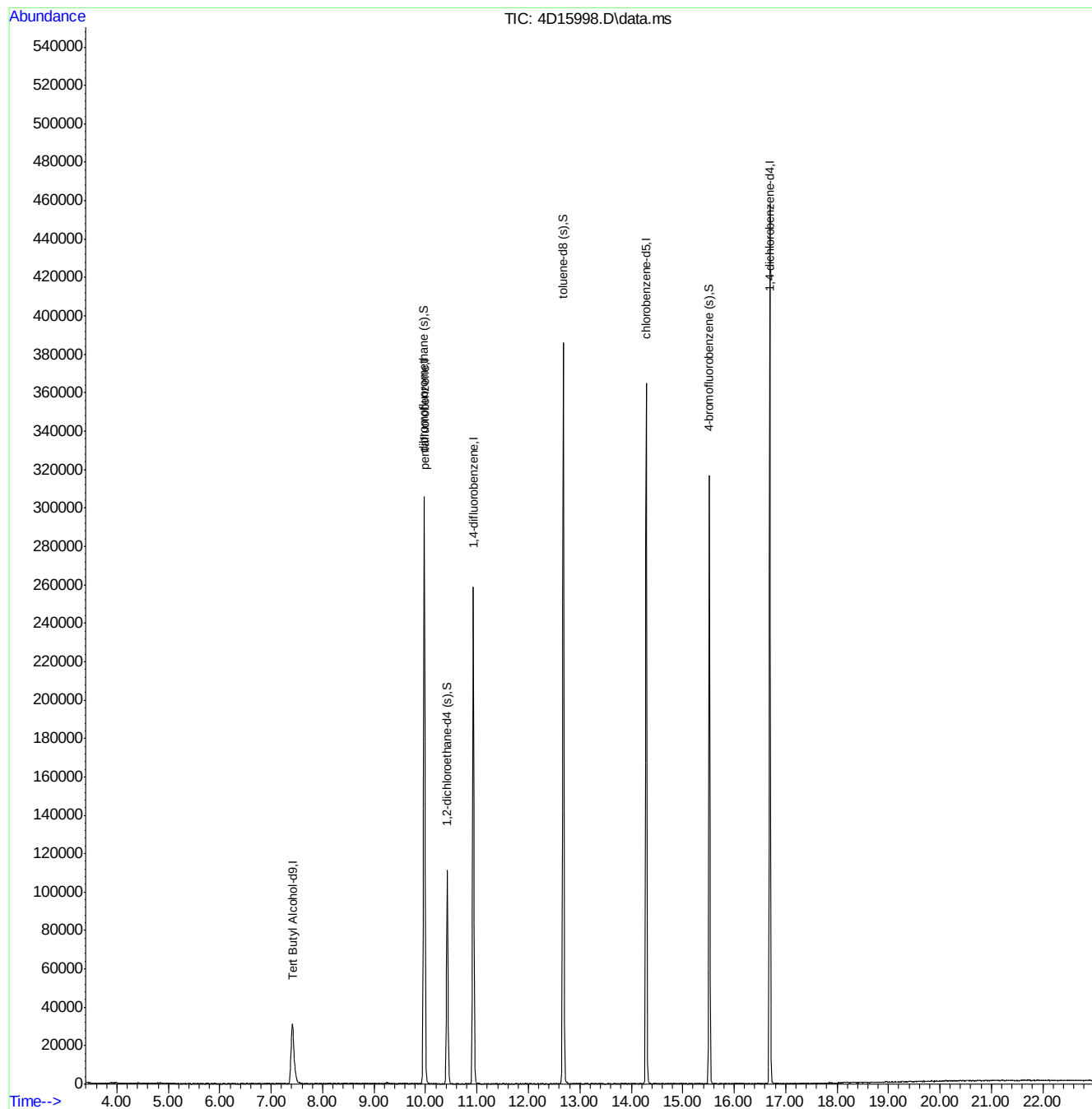
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15998.D
Acq On : 6 Oct 2011 6:57 pm
Operator : tamikag
Sample : ja87770-6
Misc : MS19201,V4D702,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 07 15:16:35 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15985.D
Acq On : 6 Oct 2011 12:11 pm
Operator : tamikag
Sample : mb1
Misc : MS18860,V4D702,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:56:33 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.419	65	89054	500.00	ug/L	-0.02
4) pentafluorobenzene	9.977	168	170577	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.931	114	257929	50.00	ug/L	0.00
78) chlorobenzene-d5	14.292	117	237567	50.00	ug/L	0.00
93) 1,4-dichlorobenzene-d4	16.699	152	124639	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.977	113	86991	49.77	ug/L	0.00
Spiked Amount	50.000	Range 77 - 120	Recovery	=	99.54%	
44) 1,2-dichloroethane-d4 (s)	10.423	65	90607	47.98	ug/L	0.00
Spiked Amount	50.000	Range 70 - 127	Recovery	=	95.96%	
70) toluene-d8 (s)	12.683	98	300636	52.95	ug/L	0.00
Spiked Amount	50.000	Range 79 - 120	Recovery	=	105.90%	
95) 4-bromofluorobenzene (s)	15.519	95	114905	50.70	ug/L	0.00
Spiked Amount	50.000	Range 76 - 118	Recovery	=	101.40%	

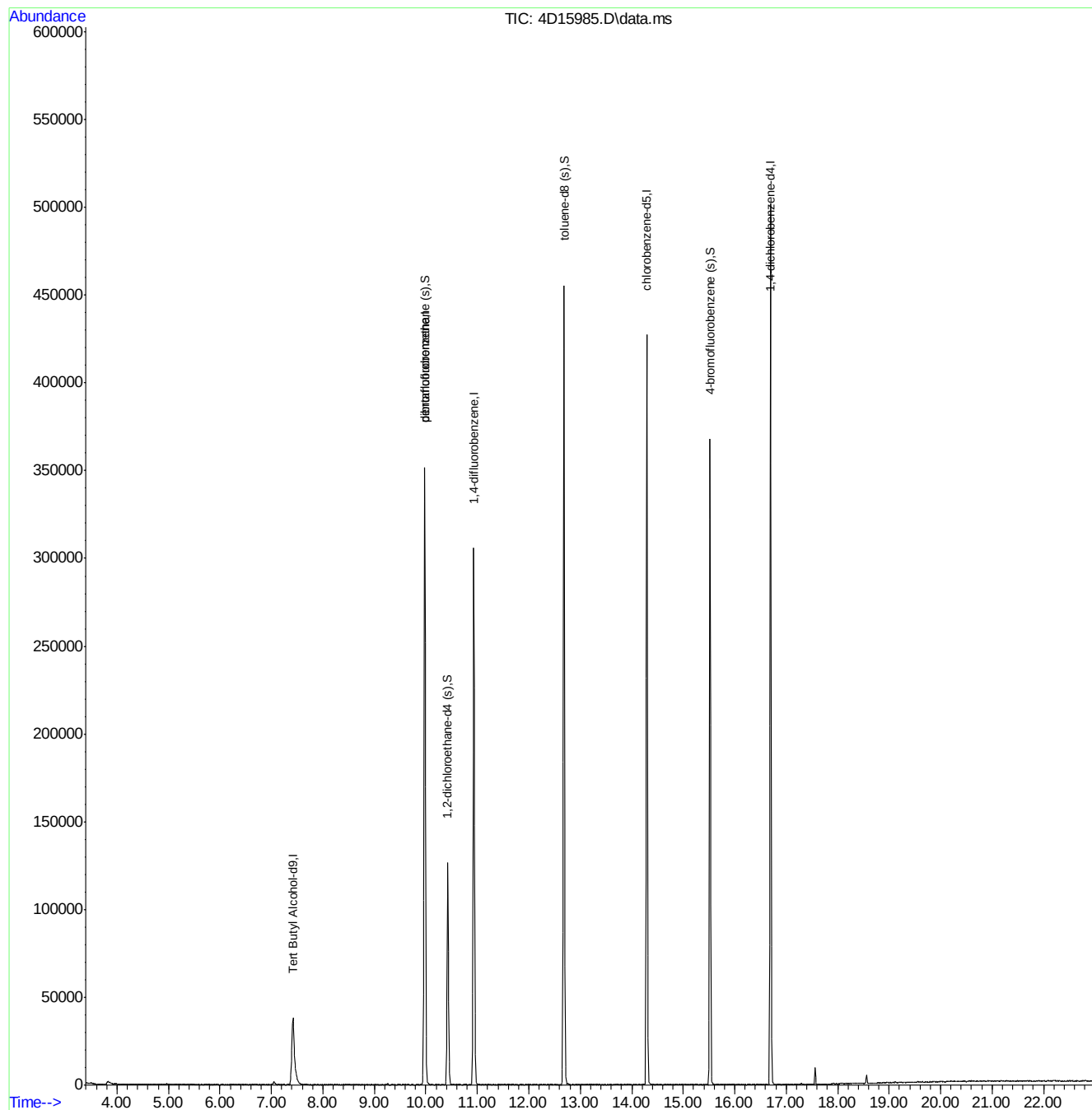
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 4D15985.D
Acq On : 6 Oct 2011 12:11 pm
Operator : tamikag
Sample : mb1
Misc : MS18860,V4D702,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 07 14:56:33 2011
Quant Method : C:\MSDCHEM\1\METHODS\M4D684.M
Quant Title : SW-846 Method 8260
QLast Update : Thu Oct 06 10:00:32 2011
Response via : Initial Calibration





06/28/12

Technical Report for

Environ Corporation

Bulova, Valley Stream, NY

02-1961B

Accutest Job Number: JB2710

Sampling Date: 03/27/12

Report to:

Environ

NScala@environcorp.com

ATTN: Nick Scala

Total number of pages in report: **217**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Paul Ioannidis
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Environ Corporation

Job No: JB2710

Bulova, Valley Stream, NY
Project No: 02-1961B

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JB2710-1	03/27/12	19:57	JS	03/28/12	AIR	Indoor Air Comp.	IA01-120327
JB2710-2	03/27/12	19:58	JS	03/28/12	AIR	Indoor Air Comp.	IA02-120327
JB2710-3	03/27/12	20:02	JS	03/28/12	AIR	Indoor Air Comp.	IA03-120327
JB2710-4	03/27/12	20:04	JS	03/28/12	AIR	Indoor Air Comp.	IA04-120327
JB2710-5	03/27/12	20:06	JS	03/28/12	AIR	Indoor Air Comp.	IA05-120327
JB2710-6	03/27/12	19:59	JS	03/28/12	AIR	Indoor Air Comp.	IA06-120327
JB2710-7	03/27/12	19:54	JS	03/28/12	AIR	Ambient Air Comp.	AA-120327



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Environ Corporation

Job No JB2710

Site: Bulova, Valley Stream, NY

Report Date 4/10/2012 11:09:48 A

On 03/28/2012, 7 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB2710 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR

Batch ID: V3W1072

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB1801-2DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Accutest LabLink@677377 14:11 28-Jun-2012

Report of Analysis

Page 1 of 1

Client Sample ID:	IA01-120327		
Lab Sample ID:	JB2710-1	Date Sampled:	03/27/12
Matrix:	AIR - Indoor Air Comp.	Date Received:	03/28/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27367.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.36	0.040	0.028	ppbv		2.4	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	IA02-120327		
Lab Sample ID:	JB2710-2	Date Sampled:	03/27/12
Matrix:	AIR - Indoor Air Comp.	Date Received:	03/28/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27368.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	0.071	0.20	0.034	ppbv	J	0.54	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.24	0.040	0.028	ppbv		1.6	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	IA03-120327		
Lab Sample ID:	JB2710-3	Date Sampled:	03/27/12
Matrix:	AIR - Indoor Air Comp.	Date Received:	03/28/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27369.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.92	0.040	0.028	ppbv		6.2	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	IA04-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2710-4	Date Received:	03/28/12
Matrix:	AIR - Indoor Air Comp. Summa ID: A346	Percent Solids:	n/a
Method:	TO-15		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27370.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.33	0.040	0.028	ppbv		2.2	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	IA05-120327		
Lab Sample ID:	JB2710-5	Date Sampled:	03/27/12
Matrix:	AIR - Indoor Air Comp.	Date Received:	03/28/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27371.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.19	0.040	0.028	ppbv		1.3	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	IA06-120327		
Lab Sample ID:	JB2710-6	Date Sampled:	03/27/12
Matrix:	AIR - Indoor Air Comp.	Date Received:	03/28/12
Method:	TO-15	Percent Solids:	n/a
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27372.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.43	0.040	0.028	ppbv		2.9	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	AA-120327					Date Sampled:	03/27/12
Lab Sample ID:	JB2710-7					Date Received:	03/28/12
Matrix:	AIR - Ambient Air Comp.	Summa ID:	A188			Percent Solids:	n/a
Method:	TO-15						
Project:	Bulova, Valley Stream, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W27373.D	1	04/05/12	YXC	n/a	n/a	V3W1072
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA Special List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810

Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #

Bottle Order Control #

Bottle Order Control # /
MV - 3/19/2012-17

PAGE 1 OF 1

Lab Quote #

Lab Job #

787710

[illegible]

4.1

JB2710: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB2710 Client: _____ Project: _____
 Date / Time Received: 3/28/2012 Delivery Method: _____ Airbill #'s: _____

Cooler Temps (Initial/Adjusted):

Cooler Security 1. Custody Seals Present: ☒ Y ☐ N 2. Custody Seals Intact: ☒ Y ☐ N	3. COC Present: ☒ Y ☐ N 4. Smpl Dates/Time OK: ☒ Y ☐ N

Cooler Temperature
 1. Temp criteria achieved: ☒ Y ☐ N
 2. Cooler temp verification: _____
 3. Cooler media: _____
 4. No. Coolers: 0

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	☐		☐	☒
2. Trip Blank listed on COC:	☐		☐	☒
3. Samples preserved properly:	☒		☐	
4. VOCs headspace free:	☐		☐	☒

Sample Integrity - Documentation
 1. Sample labels present on bottles: ☒ Y ☐ N
 2. Container labeling complete: ☒ Y ☐ N
 3. Sample container label / COC agree: ☒ Y ☐ N

Sample Integrity - Condition
 1. Sample recvd within HT: ☒ Y ☐ N
 2. All containers accounted for: ☒ Y ☐ N
 3. Condition of sample: Intact

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	☒		☐	
2. Bottles received for unspecified tests	☐		☒	
3. Sufficient volume recvd for analysis:	☒		☐	
4. Compositing instructions clear:	☐		☐	☒
5. Filtering instructions clear:	☐		☐	☒

Comments

Summa Canister and Flow Controller Log

Page 1 of 1

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 03/28/12

SUMMA CANISTERS													
Shipping							Receiving						
Summa ID	Vac L	Date " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A003	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-1	03/29/12	RC	5			1
A765	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-2	03/29/12	RC	6			1
A286	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-3	03/29/12	RC	7			1
A346	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-4	03/29/12	RC	0			1
A1003	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-5	03/29/12	RC	4			1
A1016	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-6	03/29/12	RC	5			1
A188	6	29.4	03/22/12	RC	CP5327	3W26949.D	JB2710-7	03/29/12	RC	3			1

FLOW CONTROLLERS								
Shipping					Receiving			
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	
FC188	03/22/12	RC	10.2	8	04/02/12	RC	10.3	
FC288	03/22/12	RC	10.2	8	04/02/12	RC	10.1	
FC333	03/22/12	RC	10.2	8	04/02/12	RC	10.2	
FC480	03/22/12	RC	10.2	8	04/02/12	RC	10.3	
FC499	03/22/12	RC	10.2	8	04/02/12	RC	9.9	
FC514	03/22/12	RC	10.2	8	04/02/12	RC	10.3	
FC523	03/22/12	RC	10.2	8	04/02/12	RC	10.1	

Accutest Bottle Order(s):

MV-3/19/2012-17

Prep Date 03/22/12 **Room Temp(F)** 70 **Bar Pres "Hg** 29.92

Internal Sample Tracking Chronicle

Environ Corporation

Job No: JB2710

Bulova, Valley Stream, NY
Project No: 02-1961B

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB2710-1 IA01-120327	Collected: 27-MAR-12 19:57	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-1	TO-15	05-APR-12 01:12	YXC			VTO15SL
JB2710-2 IA02-120327	Collected: 27-MAR-12 19:58	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-2	TO-15	05-APR-12 01:55	YXC			VTO15SL
JB2710-3 IA03-120327	Collected: 27-MAR-12 20:02	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-3	TO-15	05-APR-12 02:36	YXC			VTO15SL
JB2710-4 IA04-120327	Collected: 27-MAR-12 20:04	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-4	TO-15	05-APR-12 03:17	YXC			VTO15SL
JB2710-5 IA05-120327	Collected: 27-MAR-12 20:06	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-5	TO-15	05-APR-12 03:58	YXC			VTO15SL
JB2710-6 IA06-120327	Collected: 27-MAR-12 19:59	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-6	TO-15	05-APR-12 04:40	YXC			VTO15SL
JB2710-7 AA-120327	Collected: 27-MAR-12 19:54	By: JS	Received: 28-MAR-12	By: MPC		
JB2710-7	TO-15	05-APR-12 05:22	YXC			VTO15SL

Accutest Internal Chain of Custody

Page 1 of 2

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 03/28/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB2710-1.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-1.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-1.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-1.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-1.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-1.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-2.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-2.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-2.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-2.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-2.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-2.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-3.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-3.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-3.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-3.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-3.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-3.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-4.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-4.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-4.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-4.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-4.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-4.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-5.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-5.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-5.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-5.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-5.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-5.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-6.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-6.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage
JB2710-6.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-6.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-6.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-6.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2710-7.1	Tim Hudson	Air Storage	03/28/12 12:05	Return to Storage
JB2710-7.1	Air Storage	Youmin Hu	04/04/12 16:14	Retrieve from Storage

Accutest Internal Chain of Custody

Page 2 of 2

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 03/28/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB2710-7.1	Youmin Hu	GCMS3W	04/04/12 16:14	Load on Instrument
JB2710-7.1	GCMS3W	Youmin Hu	04/05/12 11:40	Unload from Instrument
JB2710-7.1	Youmin Hu	Air Storage	04/05/12 11:40	Return to Storage
JB2710-7.1	Dave Hunkele		04/30/12 05:50	Disposed

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Page 1 of 1

Job Number: JB2710**Account:** ENVIRON Environ Corporation**Project:** Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1072-MB	3W27350.D	1	04/04/12	YXC	n/a	n/a	V3W1072

The QC reported here applies to the following samples:**Method:** TO-15

JB2710-1, JB2710-2, JB2710-3, JB2710-4, JB2710-5, JB2710-6, JB2710-7

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	88% 65-128%

Method Blank Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1058-MB	3W26948.D	1	03/16/12	YXC	n/a	n/a	V3W1058

The QC reported here applies to the following samples:

Method: TO-15

V3W1058-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	102% 65-128%

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1072-BS	3W27348.D	1	04/04/12	YXC	n/a	n/a	V3W1072
V3W1072-BSD	3W27349.D	1	04/04/12	YXC	n/a	n/a	V3W1072

The QC reported here applies to the following samples:

Method: TO-15

JB2710-1, JB2710-2, JB2710-3, JB2710-4, JB2710-5, JB2710-6, JB2710-7

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	10	10.2	102	9.6	96	6	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.0	100	9.2	92	8	70-130/30
76-13-1	Freon 113	10	10.6	106	9.8	98	8	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.4	104	9.7	97	7	70-130/30
127-18-4	Tetrachloroethylene	10	10.7	107	10.4	104	3	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.2	92	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1058-BS	3W26946.D	1	03/16/12	YXC	n/a	n/a	V3W1058
V3W1058-BSD	3W26947.D	1	03/16/12	YXC	n/a	n/a	V3W1058

The QC reported here applies to the following samples:

Method: TO-15

V3W1058-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	10	10	100	10.2	102	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.2	102	10.2	102	0	70-130/30
76-13-1	Freon 113	10	10.7	107	10.9	109	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.8	108	10.8	108	0	70-130/30
127-18-4	Tetrachloroethylene	10	10.9	109	11.1	111	2	70-130/30
79-01-6	Trichloroethylene	10	10.4	104	10.3	103	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	106%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Page 1 of 1

Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB1801-2DUP	3W27359.D	1	04/04/12	YXC	n/a	n/a	V3W1072
JB1801-2	3W27358.D	1	04/04/12	YXC	n/a	n/a	V3W1072

The QC reported here applies to the following samples:

Method: TO-15

JB2710-1, JB2710-2, JB2710-3, JB2710-4, JB2710-5, JB2710-6, JB2710-7

CAS No.	Compound	JB1801-2 ppbv	DUP Q	ppbv	Q	RPD	Limits
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
76-13-1	Freon 113	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
127-18-4	Tetrachloroethylene	ND		ND		nc	17
79-01-6	Trichloroethylene	ND		ND		nc	13

CAS No.	Surrogate Recoveries	DUP	JB1801-2	Limits
460-00-4	4-Bromofluorobenzene	91%	93%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W1058-SCC	3W26949.D	1	03/16/12	YXC	n/a	n/a	V3W1058

The QC reported here (Summa A193) applies to the following samples:

Method: TO-15

Batch CP5327 cleaned 03/13/12: JB2710-1(A003), JB2710-2(A765), JB2710-3(A286), JB2710-4(A346), JB2710-5(A1003), JB2710-6(A1016), JB2710-7(A188)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3

CAS No.	Surrogate Recoveries	Limits
460-00-4	4-Bromofluorobenzene	100% 65-128%

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-BFB
Lab File ID: 3W25889.D
Instrument ID: GCMS3W
Injection Date: 01/23/12
Injection Time: 16:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	21693	18.0	Pass
75	30.0 - 66.0% of mass 95	55344	46.0	Pass
95	Base peak, 100% relative abundance	120392	100.0	Pass
96	5.0 - 9.0% of mass 95	8167	6.78	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	106856	88.8	Pass
175	4.0 - 9.01% of mass 174	8149	6.77 (7.63) ^a	Pass
176	93.0 - 101.0% of mass 174	105074	87.3 (98.3) ^a	Pass
177	5.0 - 9.0% of mass 176	7007	5.82 (6.67) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1022-ICC1022	3W25890.D	01/23/12	17:40	00:41	Initial cal 10
V3W1022-IC1022	3W25891.D	01/23/12	18:21	01:22	Initial cal 0.5
V3W1022-IC1022	3W25892.D	01/23/12	19:02	02:03	Initial cal 15
V3W1022-IC1022	3W25893.D	01/23/12	19:43	02:44	Initial cal 5
V3W1022-IC1022	3W25894.D	01/23/12	20:24	03:25	Initial cal 0.2
V3W1022-IC1022	3W25895.D	01/23/12	21:06	04:07	Initial cal 20
V3W1022-IC1022	3W25898.D	01/23/12	23:11	06:12	Initial cal 0.04
V3W1022-IC1022	3W25899.D	01/23/12	23:56	06:57	Initial cal 40
V3W1022-IC1022	3W25904.D	01/24/12	10:22	17:23	Initial cal 0.1
V3W1022-ICV1022	3W25905.D	01/24/12	11:21	18:22	Initial cal verification 10

Instrument Performance Check (BFB)

Page 1 of 2

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1058-BFB
Lab File ID: 3W26944.D
Instrument ID: GCMS3W
Injection Date: 03/16/12
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	12689	18.4	Pass
75	30.0 - 66.0% of mass 95	34317	49.7	Pass
95	Base peak, 100% relative abundance	69013	100.0	Pass
96	5.0 - 9.0% of mass 95	4366	6.33	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	66453	96.3	Pass
175	4.0 - 9.01% of mass 174	5333	7.73 (8.03) ^a	Pass
176	93.0 - 101.0% of mass 174	64933	94.1 (97.7) ^a	Pass
177	5.0 - 9.0% of mass 176	4210	6.10 (6.48) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1058-CC1022	3W26945.D	03/16/12	09:14	00:39	Continuing cal 10
V3W1058-BS	3W26946.D	03/16/12	09:53	01:18	Blank Spike
V3W1058-BSD	3W26947.D	03/16/12	10:59	02:24	Blank Spike Duplicate
V3W1058-MB	3W26948.D	03/16/12	12:25	03:50	Method Blank
V3W1058-SCC	3W26949.D	03/16/12	13:05	04:30	Summa Cleaning Certification
V3W1058-SCC	3W26950.D	03/16/12	13:45	05:10	Summa Cleaning Certification
ZZZZZZ	3W26951.D	03/16/12	14:27	05:52	(unrelated sample)
ZZZZZZ	3W26952.D	03/16/12	15:08	06:33	(unrelated sample)
ZZZZZZ	3W26953.D	03/16/12	15:47	07:12	(unrelated sample)
ZZZZZZ	3W26954.D	03/16/12	16:26	07:51	(unrelated sample)
ZZZZZZ	3W26955.D	03/16/12	17:05	08:30	(unrelated sample)
ZZZZZZ	3W26956.D	03/16/12	17:44	09:09	(unrelated sample)
ZZZZZZ	3W26957.D	03/16/12	18:23	09:48	(unrelated sample)
ZZZZZZ	3W26958.D	03/16/12	19:02	10:27	(unrelated sample)
ZZZZZZ	3W26959.D	03/16/12	19:40	11:05	(unrelated sample)
JB1429-5	3W26960.D	03/16/12	20:19	11:44	(used for QC only; not part of job JB2710)
JB1429-5DUP	3W26961.D	03/16/12	20:58	12:23	Duplicate
ZZZZZZ	3W26962.D	03/16/12	21:37	13:02	(unrelated sample)
ZZZZZZ	3W26963.D	03/16/12	22:16	13:41	(unrelated sample)
ZZZZZZ	3W26964.D	03/16/12	22:55	14:20	(unrelated sample)
ZZZZZZ	3W26965.D	03/16/12	23:34	14:59	(unrelated sample)
ZZZZZZ	3W26966.D	03/17/12	00:13	15:38	(unrelated sample)
ZZZZZZ	3W26967.D	03/17/12	00:52	16:17	(unrelated sample)
ZZZZZZ	3W26968.D	03/17/12	01:31	16:56	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample: V3W1058-BFB

Injection Date: 03/16/12

Lab File ID: 3W26944.D

Injection Time: 08:35

Instrument ID: GCMS3W

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3W26969.D	03/17/12	02:10	17:35	(unrelated sample)
ZZZZZZ	3W26970.D	03/17/12	02:49	18:14	(unrelated sample)
ZZZZZZ	3W26972.D	03/17/12	04:09	19:34	(unrelated sample)
ZZZZZZ	3W26973.D	03/17/12	04:48	20:13	(unrelated sample)
ZZZZZZ	3W26975.D	03/17/12	06:45	22:10	(unrelated sample)

5.5.2

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Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1065-BFB
Lab File ID: 3W27164.D
Instrument ID: GCMS3W
Injection Date: 03/27/12
Injection Time: 15:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	17303	17.8	Pass
75	30.0 - 66.0% of mass 95	44552	45.8	Pass
95	Base peak, 100% relative abundance	97317	100.0	Pass
96	5.0 - 9.0% of mass 95	6533	6.71	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	80936	83.2	Pass
175	4.0 - 9.01% of mass 174	6189	6.36 (7.65) ^a	Pass
176	93.0 - 101.0% of mass 174	80149	82.4 (99.0) ^a	Pass
177	5.0 - 9.0% of mass 176	5245	5.39 (6.54) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1065-IC1065	3W27165.D	03/27/12	16:12	00:39	Initial cal 5
V3W1065-ICC1065	3W27167.D	03/27/12	17:30	01:57	Initial cal 10
V3W1065-IC1065	3W27168.D	03/27/12	19:29	03:56	Initial cal 20
ZZZZZZ	3W27170M.D	03/27/12	21:28	05:55	(unrelated sample)
V3W1065-IC1065	3W27170.D	03/27/12	21:28	05:55	Initial cal 0.1
ZZZZZZ	3W27171M.D	03/27/12	22:07	06:34	(unrelated sample)
V3W1065-IC1065	3W27171.D	03/27/12	22:07	06:34	Initial cal 0.04
V3W1065-IC1065	3W27172.D	03/27/12	22:48	07:15	Initial cal 40
V3W1065-IC1065	3W27175.D	03/28/12	01:24	09:51	Initial cal 0.2
V3W1065-IC1065	3W27178.D	03/28/12	08:09	16:36	Initial cal 0.5

Instrument Performance Check (BFB)

Page 1 of 2

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1072-BFB
Lab File ID: 3W27346.D
Instrument ID: GCMS3W
Injection Date: 04/04/12
Injection Time: 09:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	8.0 - 40.0% of mass 95	20165	16.8	Pass
75	30.0 - 66.0% of mass 95	54168	45.0	Pass
95	Base peak, 100% relative abundance	120242	100.0	Pass
96	5.0 - 9.0% of mass 95	7955	6.62	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	106325	88.4	Pass
175	4.0 - 9.01% of mass 174	7868	6.54 (7.40) ^a	Pass
176	93.0 - 101.0% of mass 174	105224	87.5 (99.0) ^a	Pass
177	5.0 - 9.0% of mass 176	7038	5.85 (6.69) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W1072-CC1065	3W27347.D	04/04/12	10:10	00:40	Continuing cal 10
V3W1072-BS	3W27348.D	04/04/12	10:50	01:20	Blank Spike
V3W1072-BSD	3W27349.D	04/04/12	12:11	02:41	Blank Spike Duplicate
V3W1072-MB	3W27350.D	04/04/12	13:32	04:02	Method Blank
V3W1072-SCC	3W27351.D	04/04/12	14:13	04:43	Summa Cleaning Certification
V3W1072-SCC	3W27352.D	04/04/12	14:55	05:25	Summa Cleaning Certification
ZZZZZZ	3W27353.D	04/04/12	15:34	06:04	(unrelated sample)
ZZZZZZ	3W27354.D	04/04/12	16:15	06:45	(unrelated sample)
V3W1072-SCC	3W27355.D	04/04/12	16:56	07:26	Summa Cleaning Certification
V3W1072-SCC	3W27356.D	04/04/12	17:38	08:08	Summa Cleaning Certification
ZZZZZZ	3W27357.D	04/04/12	18:19	08:49	(unrelated sample)
JB1801-2	3W27358.D	04/04/12	19:01	09:31	(used for QC only; not part of job JB2710)
JB1801-2DUP	3W27359.D	04/04/12	19:42	10:12	Duplicate
ZZZZZZ	3W27360.D	04/04/12	20:23	10:53	(unrelated sample)
ZZZZZZ	3W27361.D	04/04/12	21:05	11:35	(unrelated sample)
ZZZZZZ	3W27362.D	04/04/12	21:46	12:16	(unrelated sample)
ZZZZZZ	3W27363.D	04/04/12	22:27	12:57	(unrelated sample)
ZZZZZZ	3W27364.D	04/04/12	23:09	13:39	(unrelated sample)
ZZZZZZ	3W27365.D	04/04/12	23:50	14:20	(unrelated sample)
ZZZZZZ	3W27366.D	04/05/12	00:31	15:01	(unrelated sample)
JB2710-1	3W27367.D	04/05/12	01:12	15:42	IA01-120327
JB2710-2	3W27368.D	04/05/12	01:55	16:25	IA02-120327
JB2710-3	3W27369.D	04/05/12	02:36	17:06	IA03-120327
JB2710-4	3W27370.D	04/05/12	03:17	17:47	IA04-120327

Instrument Performance Check (BFB)

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample:	V3W1072-BFB	Injection Date:	04/04/12
Lab File ID:	3W27346.D	Injection Time:	09:30
Instrument ID:	GCMS3W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JB2710-5	3W27371.D	04/05/12	03:58	18:28	IA05-120327
JB2710-6	3W27372.D	04/05/12	04:40	19:10	IA06-120327
JB2710-7	3W27373.D	04/05/12	05:22	19:52	AA-120327

5.5.4

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Volatile Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std:	V3W1058-CC1022	Injection Date:	03/16/12
Lab File ID:	3W26945.D	Injection Time:	09:14
Instrument ID:	GCMS3W	Method:	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	103638	7.31	424324	8.99	206489	13.23
Upper Limit ^a	145093	7.64	594054	9.32	289085	13.56
Lower Limit ^b	62183	6.98	254594	8.66	123893	12.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W1058-BS	102598	7.31	404945	8.99	191643	13.23
V3W1058-BSD	102614	7.31	406449	8.98	193190	13.23
V3W1058-MB	99029	7.31	445822	8.98	211766	13.23
V3W1058-SCC	100777	7.30	442146	8.98	206710	13.23
V3W1058-SCC	111107	7.31	497775	8.98	232828	13.23
ZZZZZZ	110061	7.31	475624	8.99	218925	13.23
ZZZZZZ	106738	7.31	458844	8.99	211796	13.23
ZZZZZZ	111723	7.31	472059	8.99	224962	13.23
ZZZZZZ	109659	7.31	473318	8.99	217491	13.23
ZZZZZZ	111060	7.31	486350	8.99	231314	13.24
ZZZZZZ	108694	7.32	465735	8.99	215349	13.23
ZZZZZZ	115691	7.32	507367	8.99	228521	13.23
ZZZZZZ	112152	7.32	485901	8.99	228043	13.24
ZZZZZZ	101627	7.31	433694	8.99	207838	13.23
JB1429-5	106067	7.31	457802	8.99	218377	13.24
JB1429-5DUP	105734	7.32	452224	8.99	212960	13.23
ZZZZZZ	103595	7.31	456210	8.99	213186	13.23
ZZZZZZ	100847	7.31	447167	8.99	209560	13.23
ZZZZZZ	102496	7.31	459149	8.98	214210	13.23
ZZZZZZ	102401	7.31	442811	8.99	213898	13.23
ZZZZZZ	102752	7.31	467747	8.99	228778	13.23
ZZZZZZ	103915	7.31	467742	8.99	213464	13.23
ZZZZZZ	103329	7.31	437056	8.99	210187	13.24
ZZZZZZ	107436	7.31	466494	8.99	230598	13.23
ZZZZZZ	98223	7.34	435470	9.00	204572	13.24
ZZZZZZ	104463	7.31	471926	8.99	213270	13.23
ZZZZZZ	99518	7.31	418395	8.98	189324	13.23
ZZZZZZ	101660	7.31	427686	8.98	196111	13.23

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std:	V3W1072-CC1065	Injection Date:	04/04/12
Lab File ID:	3W27347.D	Injection Time:	10:10
Instrument ID:	GCMS3W	Method:	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	83721	7.31	405683	8.98	208544	13.23
Upper Limit ^a	117209	7.64	567956	9.31	291962	13.56
Lower Limit ^b	50233	6.98	243410	8.65	125126	12.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W1072-BS	80779	7.31	397446	8.98	202001	13.23
V3W1072-BSD	82176	7.31	391954	8.99	195118	13.23
V3W1072-MB	83916	7.30	387848	8.97	178864	13.23
V3W1072-SCC	82521	7.30	365563	8.97	164426	13.23
V3W1072-SCC	82050	7.30	379301	8.97	175429	13.23
ZZZZZZ	82069	7.33	396307	8.99	193856	13.23
ZZZZZZ	86671	7.31	386459	8.99	178850	13.23
V3W1072-SCC	81467	7.30	367140	8.97	167318	13.23
V3W1072-SCC	90362	7.30	413967	8.97	188527	13.23
ZZZZZZ	95349	7.31	451320	8.98	204850	13.23
JB1801-2	85505	7.30	400229	8.98	181267	13.23
JB1801-2DUP	84903	7.32	387304	8.99	182956	13.23
ZZZZZZ	88816	7.31	402248	8.98	182349	13.23
ZZZZZZ	85217	7.31	394432	8.98	177404	13.23
ZZZZZZ	90326	7.31	418212	8.98	194042	13.23
ZZZZZZ	91498	7.31	404483	8.98	185421	13.23
ZZZZZZ	94074	7.32	430832	8.99	342606 ^c	13.22
ZZZZZZ	94060	7.31	431715	8.99	372818 ^c	13.22
ZZZZZZ	97487	7.31	432235	8.98	278450	13.23
JB2710-1	96150	7.31	425351	8.99	198188	13.23
JB2710-2	94200	7.31	441806	8.98	202389	13.23
JB2710-3	100391	7.32	456945	8.99	214712	13.23
JB2710-4	97973	7.33	444926	8.99	209923	13.23
JB2710-5	96099	7.32	432694	8.99	202387	13.23
JB2710-6	94225	7.31	422462	8.99	193439	13.23
JB2710-7	91953	7.31	418953	8.99	187713	13.23

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to matrix interference.

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15	Reporting this level
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15	
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15	
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15	
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15	
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15	
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15	
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15	
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.32	0.695 ok	0.697	0.637-0.757
Acrylonitrile	5.41	7.32	0.739 ok	0.740	0.680-0.800
Acetonitrile	4.96	7.32	0.678 ok	0.679	0.619-0.739
1,3-Butadiene	4.46	7.32	0.609 ok	0.610	0.550-0.670
Benzene	8.67	9.00	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.61	9.00	1.068 ok	1.067	1.007-1.127
Bromoform	13.97	13.26	1.054 ok	1.054	0.994-1.114
Bromomethane	4.63	7.32	0.633 ok	0.634	0.574-0.694
Bromoethene	4.94	7.32	0.675 ok	0.676	0.616-0.736
n-Butane	4.48	7.32	0.612 ok	0.612	0.552-0.672
Benzyl Chloride	16.59	13.26	1.251 ok	1.251	1.191-1.311
n-Butylbenzene	17.43	13.26	1.314 ok	1.315	1.255-1.375
sec-Butylbenzene	16.72	13.26	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.26	1.235 ok	1.236	1.176-1.296
Carbon disulfide	5.91	7.32	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.30	13.26	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.32	0.559 ok	0.559	0.499-0.619
Chloroethane	4.73	7.32	0.646 ok	0.646	0.586-0.706
Chloroform	7.41	7.32	1.012 ok	1.012	0.952-1.072
Chloromethane	4.25	7.32	0.581 ok	0.581	0.521-0.641
3-Chloropropene	5.77	7.32	0.788 ok	0.788	0.728-0.848
2-Chlorotoluene	15.59	13.26	1.176 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.32	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.85	9.00	0.983 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.32	0.888 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.61	7.32	0.766 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.08	13.26	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.03	7.32	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	9.00	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.67	9.00	1.074 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.32	0.567 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.26	0.894 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.32	0.865 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.20	7.32	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	9.00	1.164 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.59	13.26	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.10	13.26	1.290 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.26	1.258 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	9.00	1.221 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15	Reporting this level
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15	
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15	
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15	
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15	
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15	
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15	
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15	
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.25	7.32	0.990 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.03	9.00	1.003 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.32	1.090 ok	1.091	1.031-1.151
Ethanol	4.81	7.32	0.657 ok	0.659	0.599-0.719
Ethylbenzene	13.68	13.26	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.32	7.32	1.000 ok	1.002	0.942-1.062
4-Ethyltoluene	15.80	13.26	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.32	0.799 ok	0.800	0.740-0.860
Freon 114	4.31	7.32	0.589 ok	0.589	0.529-0.649
Freon 123	5.01	7.32	0.684 ok	0.685	0.625-0.745
Freon 123A	5.05	7.32	0.690 ok	0.690	0.630-0.750
Freon 152A	4.06	7.32	0.555 ok	0.555	0.495-0.615
Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.26	1.487 ok	1.488	1.428-1.548
Hexachloroethane	17.91	13.26	1.351 ok	1.352	1.292-1.412
Hexane	7.25	7.32	0.990 ok	0.991	0.931-1.051
2-Hexanone	11.67	13.26	0.880 ok	0.882	0.822-0.942
Iodomethane	5.57	7.32	0.761 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.26	1.133 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.25	7.32	0.717 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.26	1.275 ok	1.276	1.216-1.336
Methylene chloride	5.71	7.32	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.79	7.32	0.928 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.46	9.00	1.162 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.50	7.32	0.888 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	9.00	1.093 ok	1.094	1.034-1.154
Naphthalene	19.30	13.26	1.456 ok	1.456	1.396-1.516
Nonane	14.57	13.26	1.099 ok	1.099	1.039-1.159
Octane	12.36	13.26	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
n-Propylbenzene	15.62	13.26	1.178 ok	1.179	1.119-1.239
Propylene	4.11	7.32	0.561 ok	0.562	0.502-0.622
Styrene	14.28	13.26	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.24	7.32	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.26	1.001 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.40	13.26	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	9.00	1.239 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.26	1.445 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.53	13.26	1.096 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15	Reporting this level
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15	
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15	
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15	
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15	
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15	
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15	
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15	
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.40	13.26	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.90	13.26	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	9.00	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.63	7.32	0.769 ok	0.774	0.714-0.834
Tetrachloroethylene	12.57	13.26	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.73	7.32	1.056 ok	1.059	0.999-1.119
Toluene	11.42	9.00	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.63	9.00	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.32	0.710 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.32	0.600 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.32	0.903 ok	0.903	0.843-0.963
m,p-Xylene	13.86	13.26	1.045 ok	1.046	0.986-1.106
o-Xylene	14.38	13.26	1.084 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.32 ok	7.32	6.99-7.65	93573	ok 97288	58373-136203
1,4-Difluorobenzene	9.00 ok	9.00	8.67-9.33	427862	ok 393440	236064-550816
Chlorobenzene-D5	13.26 ok	13.25	12.92-13.58	220709	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.11	7.31	0.699 ok	0.697	0.637-0.757
Acrylonitrile	5.41	7.31	0.740 ok	0.740	0.680-0.800
Acetonitrile	4.98	7.31	0.681 ok	0.679	0.619-0.739
1,3-Butadiene	4.45	7.31	0.609 ok	0.610	0.550-0.670
Benzene	8.66	8.99	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.59	8.99	1.067 ok	1.067	1.007-1.127
Bromoform	13.96	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.63	7.31	0.633 ok	0.634	0.574-0.694
Bromoethene	4.94	7.31	0.676 ok	0.676	0.616-0.736
n-Butane	4.48	7.31	0.613 ok	0.612	0.552-0.672
Benzyl Chloride	16.58	13.25	1.251 ok	1.251	1.191-1.311
n-Butylbenzene	17.43	13.25	1.315 ok	1.315	1.255-1.375
sec-Butylbenzene	16.72	13.25	1.262 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.25	1.236 ok	1.236	1.176-1.296
Carbon disulfide	5.90	7.31	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.29	13.25	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.31	0.560 ok	0.559	0.499-0.619
Chloroethane	4.72	7.31	0.646 ok	0.646	0.586-0.706
Chloroform	7.40	7.31	1.012 ok	1.012	0.952-1.072
Chloromethane	4.25	7.31	0.581 ok	0.581	0.521-0.641
3-Chloropropene	5.76	7.31	0.788 ok	0.788	0.728-0.848
2-Chlorotoluene	15.59	13.25	1.177 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.31	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.85	8.99	0.984 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.31	0.889 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.07	13.25	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.39	8.99	1.044 ok	1.043	0.983-1.103
1,4-Dioxane	9.73	8.99	1.082 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.31	0.568 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.47	8.99	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.58	13.25	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.10	13.25	1.291 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.25	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	8.99	1.222 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.26	7.31	0.993 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.03	8.99	1.004 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.31	1.092 ok	1.091	1.031-1.151
Ethanol	4.84	7.31	0.662 ok	0.659	0.599-0.719
Ethylbenzene	13.67	13.25	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.34	7.31	1.004 ok	1.002	0.942-1.062
4-Ethyltoluene	15.79	13.25	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.31	0.800 ok	0.800	0.740-0.860
Freon 114	4.31	7.31	0.590 ok	0.589	0.529-0.649
Freon 123	5.01	7.31	0.685 ok	0.685	0.625-0.745
Freon 123A	5.04	7.31	0.689 ok	0.690	0.630-0.750
Freon 152A	4.06	7.31	0.555 ok	0.555	0.495-0.615
Heptane	9.82	8.99	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.25	1.488 ok	1.488	1.428-1.548
Hexachloroethane	17.91	13.25	1.352 ok	1.352	1.292-1.412
Hexane	7.24	7.31	0.990 ok	0.991	0.931-1.051
2-Hexanone	11.71	13.25	0.884 ok	0.882	0.822-0.942
Iodomethane	5.57	7.31	0.762 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.25	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.28	7.31	0.722 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.25	1.276 ok	1.276	1.216-1.336
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.82	7.31	0.933 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.49	8.99	1.167 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.53	7.31	0.893 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	8.99	1.095 ok	1.094	1.034-1.154
Naphthalene	19.30	13.25	1.457 ok	1.456	1.396-1.516
Nonane	14.57	13.25	1.100 ok	1.099	1.039-1.159
Octane	12.36	13.25	0.933 ok	0.932	0.872-0.992
Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
n-Propylbenzene	15.62	13.25	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.31	0.562 ok	0.562	0.502-0.622
Styrene	14.27	13.25	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.24	7.31	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.25	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.39	13.25	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	8.99	1.240 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.25	1.446 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.52	13.25	1.096 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.39	13.25	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.89	13.25	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	8.99	1.063 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.66	7.31	0.774 ok	0.774	0.714-0.834
Tetrachloroethylene	12.56	13.25	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.78	7.31	1.064 ok	1.059	0.999-1.119
Toluene	11.41	8.99	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.99	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.31	0.601 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.31	0.904 ok	0.903	0.843-0.963
m,p-Xylene	13.86	13.25	1.046 ok	1.046	0.986-1.106
o-Xylene	14.38	13.25	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.82	8.99	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.32	6.99-7.65	96699 ok	97288	58373-136203
1,4-Difluorobenzene	8.99 ok	9.00	8.67-9.33	420712 ok	393440	236064-550816
Chlorobenzene-D5	13.25 ok	13.25	12.92-13.58	203689 ok	197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.32	0.695 ok	0.697	0.637-0.757
Acrylonitrile	5.41	7.32	0.739 ok	0.740	0.680-0.800
Acetonitrile	4.96	7.32	0.678 ok	0.679	0.619-0.739
1,3-Butadiene	4.46	7.32	0.609 ok	0.610	0.550-0.670
Benzene	8.67	9.00	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.61	9.00	1.068 ok	1.067	1.007-1.127
Bromoform	13.97	13.26	1.054 ok	1.054	0.994-1.114
Bromomethane	4.63	7.32	0.633 ok	0.634	0.574-0.694
Bromoethene	4.94	7.32	0.675 ok	0.676	0.616-0.736
n-Butane	4.48	7.32	0.612 ok	0.612	0.552-0.672
Benzyl Chloride	16.59	13.26	1.251 ok	1.251	1.191-1.311
n-Butylbenzene	17.43	13.26	1.314 ok	1.315	1.255-1.375
sec-Butylbenzene	16.72	13.26	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.26	1.235 ok	1.236	1.176-1.296
Carbon disulfide	5.91	7.32	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.30	13.26	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.32	0.559 ok	0.559	0.499-0.619
Chloroethane	4.73	7.32	0.646 ok	0.646	0.586-0.706
Chloroform	7.41	7.32	1.012 ok	1.012	0.952-1.072
Chloromethane	4.25	7.32	0.581 ok	0.581	0.521-0.641
3-Chloropropene	5.77	7.32	0.788 ok	0.788	0.728-0.848
2-Chlorotoluene	15.60	13.26	1.176 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.32	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.85	9.00	0.983 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.32	0.888 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.62	7.32	0.768 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.08	13.26	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.03	7.32	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.39	9.00	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.67	9.00	1.074 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.32	0.567 ok	0.568	0.508-0.628
Dibromochloromethane	11.87	13.26	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.34	7.32	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.20	7.32	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	9.00	1.164 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.59	13.26	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.11	13.26	1.290 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.26	1.258 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	9.00	1.221 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.26	7.32	0.992 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.04	9.00	1.004 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.32	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.32	0.658 ok	0.659	0.599-0.719
Ethylbenzene	13.68	13.26	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.33	7.32	1.001 ok	1.002	0.942-1.062
4-Ethyltoluene	15.80	13.26	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.32	0.799 ok	0.800	0.740-0.860
Freon 114	4.31	7.32	0.589 ok	0.589	0.529-0.649
Freon 123	5.01	7.32	0.684 ok	0.685	0.625-0.745
Freon 123A	5.05	7.32	0.690 ok	0.690	0.630-0.750
Freon 152A	4.06	7.32	0.555 ok	0.555	0.495-0.615
Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.26	1.487 ok	1.488	1.428-1.548
Hexachloroethane	17.92	13.26	1.351 ok	1.352	1.292-1.412
Hexane	7.25	7.32	0.990 ok	0.991	0.931-1.051
2-Hexanone	11.67	13.26	0.880 ok	0.882	0.822-0.942
Iodomethane	5.57	7.32	0.761 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.26	1.133 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.25	7.32	0.717 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.26	1.275 ok	1.276	1.216-1.336
Methylene chloride	5.71	7.32	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.79	7.32	0.928 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.46	9.00	1.162 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.50	7.32	0.888 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	9.00	1.093 ok	1.094	1.034-1.154
Naphthalene	19.30	13.26	1.456 ok	1.456	1.396-1.516
Nonane	14.57	13.26	1.099 ok	1.099	1.039-1.159
Octane	12.36	13.26	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
n-Propylbenzene	15.63	13.26	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.32	0.561 ok	0.562	0.502-0.622
Styrene	14.28	13.26	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.25	7.32	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.26	1.001 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.40	13.26	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	9.00	1.239 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.26	1.445 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.53	13.26	1.096 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.40	13.26	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.90	13.26	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	9.00	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.63	7.32	0.769 ok	0.774	0.714-0.834
Tetrachloroethylene	12.57	13.26	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.73	7.32	1.056 ok	1.059	0.999-1.119
Toluene	11.42	9.00	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.63	9.00	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.32	0.710 ok	0.711	0.651-0.771
Vinyl chloride	4.38	7.32	0.598 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.32	0.903 ok	0.903	0.843-0.963
m,p-Xylene	13.86	13.26	1.045 ok	1.046	0.986-1.106
o-Xylene	14.38	13.26	1.084 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.32 ok	7.32	6.99-7.65	101476	ok 97288	58373-136203
1,4-Difluorobenzene	9.00 ok	9.00	8.67-9.33	407707	ok 393440	236064-550816
Chlorobenzene-D5	13.26 ok	13.25	12.92-13.58	211806	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.31	0.696 ok	0.697	0.637-0.757
Acrylonitrile	5.41	7.31	0.740 ok	0.740	0.680-0.800
Acetonitrile	4.96	7.31	0.679 ok	0.679	0.619-0.739
1,3-Butadiene	4.46	7.31	0.610 ok	0.610	0.550-0.670
Benzene	8.67	9.00	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.61	9.00	1.068 ok	1.067	1.007-1.127
Bromoform	13.96	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.63	7.31	0.633 ok	0.634	0.574-0.694
Bromoethene	4.94	7.31	0.676 ok	0.676	0.616-0.736
n-Butane	4.48	7.31	0.613 ok	0.612	0.552-0.672
Benzyl Chloride	16.58	13.25	1.251 ok	1.251	1.191-1.311
n-Butylbenzene	17.43	13.25	1.315 ok	1.315	1.255-1.375
sec-Butylbenzene	16.71	13.25	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.25	1.236 ok	1.236	1.176-1.296
Carbon disulfide	5.90	7.31	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.30	13.25	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.31	0.560 ok	0.559	0.499-0.619
Chloroethane	4.72	7.31	0.646 ok	0.646	0.586-0.706
Chloroform	7.40	7.31	1.012 ok	1.012	0.952-1.072
Chloromethane	4.25	7.31	0.581 ok	0.581	0.521-0.641
3-Chloropropene	5.76	7.31	0.788 ok	0.788	0.728-0.848
2-Chlorotoluene	15.59	13.25	1.177 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.31	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.85	9.00	0.983 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.31	0.889 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.07	13.25	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	9.00	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.68	9.00	1.076 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.31	0.568 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	9.00	1.164 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.58	13.25	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.10	13.25	1.291 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.25	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	9.00	1.221 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.25	7.31	0.992 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.03	9.00	1.003 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.31	1.092 ok	1.091	1.031-1.151
Ethanol	4.81	7.31	0.658 ok	0.659	0.599-0.719
Ethylbenzene	13.67	13.25	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.32	7.31	1.001 ok	1.002	0.942-1.062
4-Ethyltoluene	15.79	13.25	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.31	0.800 ok	0.800	0.740-0.860
Freon 114	4.30	7.31	0.588 ok	0.589	0.529-0.649
Freon 123	5.01	7.31	0.685 ok	0.685	0.625-0.745
Freon 123A	5.04	7.31	0.689 ok	0.690	0.630-0.750
Freon 152A	4.06	7.31	0.555 ok	0.555	0.495-0.615
Heptane	9.82	9.00	1.091 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.25	1.488 ok	1.488	1.428-1.548
Hexachloroethane	17.91	13.25	1.352 ok	1.352	1.292-1.412
Hexane	7.24	7.31	0.990 ok	0.991	0.931-1.051
2-Hexanone	11.68	13.25	0.882 ok	0.882	0.822-0.942
Iodomethane	5.57	7.31	0.762 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.25	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.25	7.31	0.718 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.25	1.276 ok	1.276	1.216-1.336
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.79	7.31	0.929 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.46	9.00	1.162 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.51	7.31	0.891 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	9.00	1.093 ok	1.094	1.034-1.154
Naphthalene	19.30	13.25	1.457 ok	1.456	1.396-1.516
Nonane	14.57	13.25	1.100 ok	1.099	1.039-1.159
Octane	12.36	13.25	0.933 ok	0.932	0.872-0.992
Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
n-Propylbenzene	15.62	13.25	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.31	0.562 ok	0.562	0.502-0.622
Styrene	14.27	13.25	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.24	7.31	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.25	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.39	13.25	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	9.00	1.239 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.25	1.446 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.52	13.25	1.096 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.39	13.25	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.89	13.25	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	9.00	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.63	7.31	0.770 ok	0.774	0.714-0.834
Tetrachloroethylene	12.56	13.25	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.74	7.31	1.059 ok	1.059	0.999-1.119
Toluene	11.41	9.00	1.268 ok	1.269	1.209-1.329
Trichloroethylene	9.62	9.00	1.069 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.19	7.31	0.710 ok	0.711	0.651-0.771
Vinyl chloride	4.38	7.31	0.599 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.31	0.904 ok	0.903	0.843-0.963
m,p-Xylene	13.86	13.25	1.046 ok	1.046	0.986-1.106
o-Xylene	14.38	13.25	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.32	6.99-7.65	96185	ok 97288	58373-136203
1,4-Difluorobenzene	9.00 ok	9.00	8.67-9.33	369404	ok 393440	236064-550816
Chlorobenzene-D5	13.25 ok	13.25	12.92-13.58	180737	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.12	7.31	0.700 ok	0.697	0.637-0.757
Acrylonitrile	5.42	7.31	0.741 ok	0.740	0.680-0.800
Acetonitrile	4.98	7.31	0.681 ok	0.679	0.619-0.739
1,3-Butadiene	4.46	7.31	0.610 ok	0.610	0.550-0.670
Benzene	8.66	8.99	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.60	8.99	1.068 ok	1.067	1.007-1.127
Bromoform	13.96	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.634	0.574-0.694
Bromoethene	4.94	7.31	0.676 ok	0.676	0.616-0.736
n-Butane	4.48	7.31	0.613 ok	0.612	0.552-0.672
Benzyl Chloride	16.58	13.25	1.251 ok	1.251	1.191-1.311
n-Butylbenzene	17.42	13.25	1.315 ok	1.315	1.255-1.375
sec-Butylbenzene	16.71	13.25	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.25	1.236 ok	1.236	1.176-1.296
Carbon disulfide	5.90	7.31	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.29	13.25	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.31	0.560 ok	0.559	0.499-0.619
Chloroethane	4.73	7.31	0.647 ok	0.646	0.586-0.706
Chloroform	7.39	7.31	1.011 ok	1.012	0.952-1.072
Chloromethane	4.25	7.31	0.581 ok	0.581	0.521-0.641
3-Chloropropene	5.76	7.31	0.788 ok	0.788	0.728-0.848
2-Chlorotoluene	15.59	13.25	1.177 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.31	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.85	8.99	0.984 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.31	0.889 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.08	13.25	0.912 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.01	7.31	1.096 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	8.99	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.75	8.99	1.085 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.31	0.568 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.47	8.99	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.58	13.25	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.11	13.25	1.291 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.25	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	8.99	1.222 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.28	7.31	0.996 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.04	8.99	1.006 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.31	1.092 ok	1.091	1.031-1.151
Ethanol	4.84	7.31	0.662 ok	0.659	0.599-0.719
Ethylbenzene	13.68	13.25	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.35	7.31	1.005 ok	1.002	0.942-1.062
4-Ethyltoluene	15.79	13.25	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.31	0.800 ok	0.800	0.740-0.860
Freon 114	4.31	7.31	0.590 ok	0.589	0.529-0.649
Freon 123	5.01	7.31	0.685 ok	0.685	0.625-0.745
Freon 123A	5.04	7.31	0.689 ok	0.690	0.630-0.750
Freon 152A	4.06	7.31	0.555 ok	0.555	0.495-0.615
Heptane	9.81	8.99	1.091 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.25	1.488 ok	1.488	1.428-1.548
Hexachloroethane	17.92	13.25	1.352 ok	1.352	1.292-1.412
Hexane	7.25	7.31	0.992 ok	0.991	0.931-1.051
2-Hexanone	11.72	13.25	0.885 ok	0.882	0.822-0.942
Iodomethane	5.57	7.31	0.762 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.25	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.29	7.31	0.724 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.25	1.276 ok	1.276	1.216-1.336
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.83	7.31	0.934 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.50	8.99	1.168 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.54	7.31	0.895 ok	0.891	0.831-0.951
Methylmethacrylate	9.85	8.99	1.096 ok	1.094	1.034-1.154
Naphthalene	19.30	13.25	1.457 ok	1.456	1.396-1.516
Nonane	14.57	13.25	1.100 ok	1.099	1.039-1.159
Octane	12.36	13.25	0.933 ok	0.932	0.872-0.992
Pentane	5.37	7.31	0.735 ok	0.735	0.675-0.795
n-Propylbenzene	15.62	13.25	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.31	0.562 ok	0.562	0.502-0.622
Styrene	14.27	13.25	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.23	7.31	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.25	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.39	13.25	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	8.99	1.240 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.25	1.446 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.53	13.25	1.097 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.39	13.25	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.89	13.25	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	8.99	1.063 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.69	7.31	0.778 ok	0.774	0.714-0.834
Tetrachloroethylene	12.56	13.25	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.80	7.31	1.067 ok	1.059	0.999-1.119
Toluene	11.41	8.99	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.99	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.19	7.31	0.710 ok	0.711	0.651-0.771
Vinyl chloride	4.38	7.31	0.599 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.31	0.904 ok	0.903	0.843-0.963
m,p-Xylene	13.85	13.25	1.045 ok	1.046	0.986-1.106
o-Xylene	14.37	13.25	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.82	8.99	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.32	6.99-7.65	95389	ok 97288	58373-136203
1,4-Difluorobenzene	8.99 ok	9.00	8.67-9.33	364482	ok 393440	236064-550816
Chlorobenzene-D5	13.25 ok	13.25	12.92-13.58	168061	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.32	0.695	ok 0.697	0.637-0.757
Acrylonitrile	5.41	7.32	0.739	ok 0.740	0.680-0.800
Acetonitrile	4.96	7.32	0.678	ok 0.679	0.619-0.739
1,3-Butadiene	4.46	7.32	0.609	ok 0.610	0.550-0.670
Benzene	8.68	9.00	0.964	ok 0.964	0.904-1.024
Bromodichloromethane	9.61	9.00	1.068	ok 1.067	1.007-1.127
Bromoform	13.97	13.26	1.054	ok 1.054	0.994-1.114
Bromomethane	4.64	7.32	0.634	ok 0.634	0.574-0.694
Bromoethene	4.95	7.32	0.676	ok 0.676	0.616-0.736
n-Butane	4.48	7.32	0.612	ok 0.612	0.552-0.672
Benzyl Chloride	16.60	13.26	1.252	ok 1.251	1.191-1.311
n-Butylbenzene	17.43	13.26	1.314	ok 1.315	1.255-1.375
sec-Butylbenzene	16.72	13.26	1.261	ok 1.261	1.201-1.321
tert-Butylbenzene	16.39	13.26	1.236	ok 1.236	1.176-1.296
Carbon disulfide	5.91	7.32	0.807	ok 0.807	0.747-0.867
Chlorobenzene	13.31	13.26	1.004	ok 1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.32	0.559	ok 0.559	0.499-0.619
Chloroethane	4.73	7.32	0.646	ok 0.646	0.586-0.706
Chloroform	7.42	7.32	1.014	ok 1.012	0.952-1.072
Chloromethane	4.25	7.32	0.581	ok 0.581	0.521-0.641
3-Chloropropene	5.77	7.32	0.788	ok 0.788	0.728-0.848
2-Chlorotoluene	15.60	13.26	1.176	ok 1.176	1.116-1.236
Carbon tetrachloride	8.80	7.32	1.202	ok 1.203	1.143-1.263
Cyclohexane	8.85	9.00	0.983	ok 0.984	0.924-1.044
1,1-Dichloroethane	6.50	7.32	0.888	ok 0.888	0.828-0.948
1,1-Dichloroethylene	5.62	7.32	0.768	ok 0.768	0.708-0.828
1,2-Dibromoethane	12.08	13.26	0.911	ok 0.911	0.851-0.971
1,2-Dichloroethane	8.03	7.32	1.097	ok 1.097	1.037-1.157
1,2-Dichloropropane	9.39	9.00	1.043	ok 1.043	0.983-1.103
1,4-Dioxane	9.67	9.00	1.074	ok 1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.32	0.567	ok 0.568	0.508-0.628
Dibromochloromethane	11.87	13.26	0.895	ok 0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.34	7.32	0.866	ok 0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.20	7.32	0.984	ok 0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	9.00	1.164	ok 1.165	1.105-1.225
m-Dichlorobenzene	16.59	13.26	1.251	ok 1.251	1.191-1.311
o-Dichlorobenzene	17.11	13.26	1.290	ok 1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.26	1.258	ok 1.259	1.199-1.319
trans-1,3-Dichloropropene	11.00	9.00	1.222	ok 1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.26	7.32	0.992 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.04	9.00	1.004 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.32	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.32	0.658 ok	0.659	0.599-0.719
Ethylbenzene	13.68	13.26	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.32	7.32	1.000 ok	1.002	0.942-1.062
4-Ethyltoluene	15.80	13.26	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.32	0.799 ok	0.800	0.740-0.860
Freon 114	4.31	7.32	0.589 ok	0.589	0.529-0.649
Freon 123	5.01	7.32	0.684 ok	0.685	0.625-0.745
Freon 123A	5.05	7.32	0.690 ok	0.690	0.630-0.750
Freon 152A	4.06	7.32	0.555 ok	0.555	0.495-0.615
Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.26	1.487 ok	1.488	1.428-1.548
Hexachloroethane	17.92	13.26	1.351 ok	1.352	1.292-1.412
Hexane	7.25	7.32	0.990 ok	0.991	0.931-1.051
2-Hexanone	11.67	13.26	0.880 ok	0.882	0.822-0.942
Iodomethane	5.57	7.32	0.761 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.26	1.133 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.26	7.32	0.719 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.91	13.26	1.275 ok	1.276	1.216-1.336
Methylene chloride	5.71	7.32	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.79	7.32	0.928 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.46	9.00	1.162 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.50	7.32	0.888 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	9.00	1.093 ok	1.094	1.034-1.154
Naphthalene	19.30	13.26	1.456 ok	1.456	1.396-1.516
Nonane	14.57	13.26	1.099 ok	1.099	1.039-1.159
Octane	12.36	13.26	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
n-Propylbenzene	15.63	13.26	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.32	0.561 ok	0.562	0.502-0.622
Styrene	14.28	13.26	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.25	7.32	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.28	13.26	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.40	13.26	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.16	9.00	1.240 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.26	1.445 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.53	13.26	1.096 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.40	13.26	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.90	13.26	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.56	9.00	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.63	7.32	0.769 ok	0.774	0.714-0.834
Tetrachloroethylene	12.57	13.26	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.73	7.32	1.056 ok	1.059	0.999-1.119
Toluene	11.42	9.00	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.63	9.00	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.32	0.710 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.32	0.600 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.32	0.903 ok	0.903	0.843-0.963
m,p-Xylene	13.86	13.26	1.045 ok	1.046	0.986-1.106
o-Xylene	14.38	13.26	1.084 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.32	0.735 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	9.00	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.32 ok	7.32	6.99-7.65	96783	ok 97288	58373-136203
1,4-Difluorobenzene	9.00 ok	9.00	8.67-9.33	376745	ok 393440	236064-550816
Chlorobenzene-D5	13.26 ok	13.25	12.92-13.58	199225	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.47	7.31	0.611 ok	0.610	0.550-0.670
Benzene	8.67	8.99	0.964 ok	0.964	0.904-1.024
Bromodichloromethane	9.59	8.99	1.067 ok	1.067	1.007-1.127
Bromoform	13.96	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.634	0.574-0.694
Bromoethene	4.95	7.31	0.677 ok	0.676	0.616-0.736
Carbon disulfide	5.90	7.31	0.807 ok	0.807	0.747-0.867
Chlorobenzene	13.30	13.25	1.004 ok	1.003	0.943-1.063
Chloroform	7.39	7.31	1.011 ok	1.012	0.952-1.072
Chloromethane	4.27	7.31	0.584 ok	0.581	0.521-0.641
Carbon tetrachloride	8.80	7.31	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.85	8.99	0.984 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.49	7.31	0.888 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.62	7.31	0.769 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.07	13.25	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	8.99	1.043 ok	1.043	0.983-1.103
Dichlorodifluoromethane	4.16	7.31	0.569 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	8.99	1.166 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.59	13.25	1.252 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.10	13.25	1.291 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.25	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	8.99	1.222 ok	1.222	1.162-1.282
2,4-Dimethylpentane	7.98	7.31	1.092 ok	1.091	1.031-1.151
Ethylbenzene	13.68	13.25	1.032 ok	1.032	0.972-1.092
4-Ethyltoluene	15.79	13.25	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.31	0.800 ok	0.800	0.740-0.860
Freon 114	4.31	7.31	0.590 ok	0.589	0.529-0.649
Freon 123	5.01	7.31	0.685 ok	0.685	0.625-0.745
Freon 123A	5.04	7.31	0.689 ok	0.690	0.630-0.750
Heptane	9.83	8.99	1.093 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.25	1.488 ok	1.488	1.428-1.548
Hexachloroethane	17.92	13.25	1.352 ok	1.352	1.292-1.412
Hexane	7.25	7.31	0.992 ok	0.991	0.931-1.051
Iodomethane	5.57	7.31	0.762 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.25	1.134 ok	1.134	1.074-1.194

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Isopropyl Alcohol	5.33	7.31	0.729 ok	0.721	0.661-0.781
Methyl Tert Butyl Ether	6.56	7.31	0.897 ok	0.891	0.831-0.951
Nonane	14.58	13.25	1.100 ok	1.099	1.039-1.159
Octane	12.36	13.25	0.933 ok	0.932	0.872-0.992
Styrene	14.27	13.25	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.24	7.31	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.26	13.25	1.001 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.39	13.25	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.15	8.99	1.240 ok	1.239	1.179-1.299
1,2,3-Trichloropropane	14.52	13.25	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.39	13.25	1.237 ok	1.237	1.177-1.297
2,2,4-Trimethylpentane	9.56	8.99	1.063 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.74	7.31	0.785 ok	0.774	0.714-0.834
Tetrachloroethylene	12.56	13.25	0.948 ok	0.948	0.888-1.008
Toluene	11.42	8.99	1.270 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.99	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.31	0.601 ok	0.600	0.540-0.660
m,p-Xylene	13.86	13.25	1.046 ok	1.046	0.986-1.106
o-Xylene	14.38	13.25	1.085 ok	1.085	1.025-1.145

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.32	6.99-7.65	86923	ok 97288	58373-136203
1,4-Difluorobenzene	8.99 ok	9.00	8.67-9.33	317968	ok 393440	236064-550816
Chlorobenzene-D5	13.25 ok	13.25	12.92-13.58	144332	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.33	0.694 ok	0.697	0.637-0.757
Acrylonitrile	5.41	7.33	0.738 ok	0.740	0.680-0.800
Acetonitrile	4.97	7.33	0.678 ok	0.679	0.619-0.739
1,3-Butadiene	4.46	7.33	0.608 ok	0.610	0.550-0.670
Benzene	8.68	9.01	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.62	9.01	1.068 ok	1.067	1.007-1.127
Bromoform	13.99	13.26	1.055 ok	1.054	0.994-1.114
Bromomethane	4.64	7.33	0.633 ok	0.634	0.574-0.694
Bromoethene	4.95	7.33	0.675 ok	0.676	0.616-0.736
n-Butane	4.48	7.33	0.611 ok	0.612	0.552-0.672
Benzyl Chloride	16.60	13.26	1.252 ok	1.251	1.191-1.311
n-Butylbenzene	17.44	13.26	1.315 ok	1.315	1.255-1.375
sec-Butylbenzene	16.72	13.26	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.40	13.26	1.237 ok	1.236	1.176-1.296
Carbon disulfide	5.91	7.33	0.806 ok	0.807	0.747-0.867
Chlorobenzene	13.31	13.26	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.33	0.558 ok	0.559	0.499-0.619
Chloroethane	4.73	7.33	0.645 ok	0.646	0.586-0.706
Chloroform	7.42	7.33	1.012 ok	1.012	0.952-1.072
Chloromethane	4.25	7.33	0.580 ok	0.581	0.521-0.641
3-Chloropropene	5.77	7.33	0.787 ok	0.788	0.728-0.848
2-Chlorotoluene	15.60	13.26	1.176 ok	1.176	1.116-1.236
Carbon tetrachloride	8.81	7.33	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.85	9.01	0.982 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.51	7.33	0.888 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.62	7.33	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.09	13.26	0.912 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.04	7.33	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.39	9.01	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.67	9.01	1.073 ok	1.077	1.017-1.137
Dichlorodifluoromethane	4.15	7.33	0.566 ok	0.568	0.508-0.628
Dibromochloromethane	11.88	13.26	0.896 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.34	7.33	0.865 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.20	7.33	0.982 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.48	9.01	1.163 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.60	13.26	1.252 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.11	13.26	1.290 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.69	13.26	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	11.01	9.01	1.222 ok	1.222	1.162-1.282

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	7.26	7.33	0.990 ok	0.993	0.933-1.053
2,3-Dimethylpentane	9.04	9.01	1.003 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.99	7.33	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.33	0.658 ok	0.659	0.599-0.719
Ethylbenzene	13.68	13.26	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.33	7.33	1.000 ok	1.002	0.942-1.062
4-Ethyltoluene	15.81	13.26	1.192 ok	1.192	1.132-1.252
Freon 113	5.86	7.33	0.799 ok	0.800	0.740-0.860
Freon 114	4.31	7.33	0.588 ok	0.589	0.529-0.649
Freon 123	5.01	7.33	0.683 ok	0.685	0.625-0.745
Freon 123A	5.05	7.33	0.689 ok	0.690	0.630-0.750
Freon 152A	4.06	7.33	0.554 ok	0.555	0.495-0.615
Heptane	9.83	9.01	1.091 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.26	1.487 ok	1.488	1.428-1.548
Hexachloroethane	17.92	13.26	1.351 ok	1.352	1.292-1.412
Hexane	7.25	7.33	0.989 ok	0.991	0.931-1.051
2-Hexanone	11.68	13.26	0.881 ok	0.882	0.822-0.942
Iodomethane	5.57	7.33	0.760 ok	0.761	0.701-0.821
Isopropylbenzene	15.04	13.26	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.26	7.33	0.718 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.92	13.26	1.276 ok	1.276	1.216-1.336
Methylene chloride	5.71	7.33	0.779 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.80	7.33	0.928 ok	0.930	0.870-0.990
Methyl Isobutyl Ketone	10.47	9.01	1.162 ok	1.164	1.104-1.224
Methyl Tert Butyl Ether	6.50	7.33	0.887 ok	0.891	0.831-0.951
Methylmethacrylate	9.84	9.01	1.092 ok	1.094	1.034-1.154
Naphthalene	19.30	13.26	1.456 ok	1.456	1.396-1.516
Nonane	14.58	13.26	1.100 ok	1.099	1.039-1.159
Octane	12.36	13.26	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.33	0.734 ok	0.735	0.675-0.795
n-Propylbenzene	15.64	13.26	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.33	0.561 ok	0.562	0.502-0.622
Styrene	14.28	13.26	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.25	7.33	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.29	13.26	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.41	13.26	1.087 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.16	9.01	1.239 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.26	1.445 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.54	13.26	1.097 ok	1.096	1.036-1.156

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15 Reporting this level
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trimethylbenzene	16.40	13.26	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.90	13.26	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.57	9.01	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.64	7.33	0.769 ok	0.774	0.714-0.834
Tetrachloroethylene	12.58	13.26	0.949 ok	0.948	0.888-1.008
Tetrahydrofuran	7.73	7.33	1.055 ok	1.059	0.999-1.119
Toluene	11.43	9.01	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.64	9.01	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.33	0.709 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.33	0.599 ok	0.600	0.540-0.660
Vinyl Acetate	6.61	7.33	0.902 ok	0.903	0.843-0.963
m,p-Xylene	13.88	13.26	1.047 ok	1.046	0.986-1.106
o-Xylene	14.39	13.26	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.33	0.734 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	9.01	1.091 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.33 ok	7.32	6.99-7.65	100078	ok 97288	58373-136203
1,4-Difluorobenzene	9.01 ok	9.00	8.67-9.33	379013	ok 393440	236064-550816
Chlorobenzene-D5	13.26 ok	13.25	12.92-13.58	217216	ok 197481	118489-276473

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	5.43	7.31	0.743 ok	0.740	0.680-0.800
1,3-Butadiene	4.47	7.31	0.611 ok	0.610	0.550-0.670
Benzene	8.67	8.99	0.964 ok	0.964	0.904-1.024
Bromodichloromethane	9.59	8.99	1.067 ok	1.067	1.007-1.127
Bromoform	13.97	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.634	0.574-0.694
Bromoethene	4.94	7.31	0.676 ok	0.676	0.616-0.736
n-Butane	4.48	7.31	0.613 ok	0.612	0.552-0.672
sec-Butylbenzene	16.71	13.25	1.261 ok	1.261	1.201-1.321
tert-Butylbenzene	16.38	13.25	1.236 ok	1.236	1.176-1.296
Carbon disulfide	5.91	7.31	0.808 ok	0.807	0.747-0.867
Chlorobenzene	13.30	13.25	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.09	7.31	0.560 ok	0.559	0.499-0.619
Chloroethane	4.73	7.31	0.647 ok	0.646	0.586-0.706
Chloroform	7.40	7.31	1.012 ok	1.012	0.952-1.072
Chloromethane	4.26	7.31	0.583 ok	0.581	0.521-0.641
3-Chloropropene	5.77	7.31	0.789 ok	0.788	0.728-0.848
2-Chlorotoluene	15.59	13.25	1.177 ok	1.176	1.116-1.236
Carbon tetrachloride	8.80	7.31	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.84	8.99	0.983 ok	0.984	0.924-1.044
1,1-Dichloroethane	6.49	7.31	0.888 ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.62	7.31	0.769 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.08	13.25	0.912 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	8.99	1.043 ok	1.043	0.983-1.103
Dichlorodifluoromethane	4.16	7.31	0.569 ok	0.568	0.508-0.628
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.18	7.31	0.982 ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	10.47	8.99	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.58	13.25	1.251 ok	1.251	1.191-1.311
o-Dichlorobenzene	17.10	13.25	1.291 ok	1.290	1.230-1.350
p-Dichlorobenzene	16.68	13.25	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	8.99	1.222 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.28	7.31	0.996 ok	0.993	0.933-1.053
2,4-Dimethylpentane	7.98	7.31	1.092 ok	1.091	1.031-1.151
Ethylbenzene	13.67	13.25	1.032 ok	1.032	0.972-1.092
4-Ethyltoluene	15.79	13.25	1.192 ok	1.192	1.132-1.252
Freon 113	5.85	7.31	0.800 ok	0.800	0.740-0.860

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Freon 114	4.31	7.31	0.590 ok	0.589	0.529-0.649
Freon 123	5.01	7.31	0.685 ok	0.685	0.625-0.745
Freon 123A	5.05	7.31	0.691 ok	0.690	0.630-0.750
Heptane	9.82	8.99	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.72	13.25	1.488 ok	1.488	1.428-1.548
Hexachloroethane	17.91	13.25	1.352 ok	1.352	1.292-1.412
Hexane	7.24	7.31	0.990 ok	0.991	0.931-1.051
Iodomethane	5.57	7.31	0.762 ok	0.761	0.701-0.821
Isopropylbenzene	15.03	13.25	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.31	7.31	0.726 ok	0.721	0.661-0.781
p-Isopropyltoluene	16.92	13.25	1.277 ok	1.276	1.216-1.336
Methylene chloride	5.71	7.31	0.781 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.83	7.31	0.934 ok	0.930	0.870-0.990
Methyl Tert Butyl Ether	6.55	7.31	0.896 ok	0.891	0.831-0.951
Methylmethacrylate	9.85	8.99	1.096 ok	1.094	1.034-1.154
Nonane	14.57	13.25	1.100 ok	1.099	1.039-1.159
Octane	12.35	13.25	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
Styrene	14.27	13.25	1.077 ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.24	7.31	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.25	1.002 ok	1.001	0.941-1.061
1,1,2,2-Tetrachloroethane	14.39	13.25	1.086 ok	1.086	1.026-1.146
1,1,2-Trichloroethane	11.14	8.99	1.239 ok	1.239	1.179-1.299
1,2,4-Trichlorobenzene	19.16	13.25	1.446 ok	1.445	1.385-1.505
1,2,3-Trichloropropane	14.52	13.25	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.40	13.25	1.238 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.89	13.25	1.199 ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.55	8.99	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.71	7.31	0.781 ok	0.774	0.714-0.834
Tetrachloroethylene	12.57	13.25	0.949 ok	0.948	0.888-1.008
Toluene	11.41	8.99	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.99	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.711	0.651-0.771
Vinyl chloride	4.39	7.31	0.601 ok	0.600	0.540-0.660
m,p-Xylene	13.85	13.25	1.045 ok	1.046	0.986-1.106
o-Xylene	14.38	13.25	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.31	0.736 ok	0.735	0.675-0.795
TVHC As Equiv Heptane	9.83	8.99	1.093 ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1022-ICC1022	3W25890.D	01/23/12 17:40	YXC	10	GCMS3W	TO-15	
V3W1022-IC1022	3W25891.D	01/23/12 18:21	YXC	0.5	GCMS3W	TO-15	
V3W1022-IC1022	3W25892.D	01/23/12 19:02	YXC	15	GCMS3W	TO-15	
V3W1022-IC1022	3W25893.D	01/23/12 19:43	YXC	5	GCMS3W	TO-15	
V3W1022-IC1022	3W25894.D	01/23/12 20:24	YXC	0.2	GCMS3W	TO-15	
V3W1022-IC1022	3W25895.D	01/23/12 21:06	YXC	20	GCMS3W	TO-15	
V3W1022-IC1022	3W25898.D	01/23/12 23:11	YXC	0.04	GCMS3W	TO-15	
V3W1022-IC1022	3W25899.D	01/23/12 23:56	YXC	40	GCMS3W	TO-15	
V3W1022-IC1022	3W25904.D	01/24/12 10:22	YXC	0.1	GCMS3W	TO-15	Reporting this level

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.32	6.99-7.65	108483 ok	97288	58373-136203
1,4-Difluorobenzene	8.99 ok	9.00	8.67-9.33	477071 ok	393440	236064-550816
Chlorobenzene-D5	13.25 ok	13.25	12.92-13.58	231550 ok	197481	118489-276473

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Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15	Reporting this level
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15	
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15	
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15	
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15	
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15	
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15	
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.10	7.31	0.698 ok	0.699	0.639-0.759
Acrylonitrile	5.41	7.31	0.740 ok	0.741	0.681-0.801
Acetonitrile	4.97	7.31	0.680 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.31	0.611 ok	0.612	0.552-0.672
Benzene	8.65	8.98	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.59	8.98	1.068 ok	1.068	1.008-1.128
Bromoform	13.95	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.635	0.575-0.695
Bromoethene	4.95	7.31	0.677 ok	0.677	0.617-0.737
n-Butane	4.49	7.31	0.614 ok	0.615	0.555-0.675
Benzyl Chloride	16.57	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.69	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.36	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.31	0.807 ok	0.808	0.748-0.868
Chlorobenzene	13.28	13.23	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.31	0.561 ok	0.561	0.501-0.621
Chloroethane	4.73	7.31	0.647 ok	0.647	0.587-0.707
Chloroform	7.40	7.31	1.012 ok	1.012	0.952-1.072
Chloromethane	4.27	7.31	0.584 ok	0.584	0.524-0.644
3-Chloropropene	5.76	7.31	0.788 ok	0.789	0.729-0.849
2-Chlorotoluene	15.57	13.23	1.177 ok	1.177	1.117-1.237
Carbon tetrachloride	8.79	7.31	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.83	8.98	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.49	7.31	0.888 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.36	8.98	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.67	8.98	1.077 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.31	0.569 ok	0.570	0.510-0.630
Dibromochloromethane	11.84	13.23	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.46	8.98	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.57	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.65	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.97	8.98	1.222 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.25	7.31	0.992 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15	Reporting this level
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15	
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15	
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15	
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15	
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15	
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15	
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+/- .06)
2,3-Dimethylpentane	9.02	8.98	1.004 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.31	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.31	0.659 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.31	7.31	1.000 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.85	7.31	0.800 ok	0.801	0.741-0.861
Freon 114	4.31	7.31	0.590 ok	0.591	0.531-0.651
Freon 123	5.01	7.31	0.685 ok	0.686	0.626-0.746
Freon 123A	5.05	7.31	0.691 ok	0.691	0.631-0.751
Heptane	9.81	8.98	1.092 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.70	13.23	1.489 ok	1.489	1.429-1.549
Hexachloroethane	17.89	13.23	1.352 ok	1.352	1.292-1.412
Hexane	7.23	7.31	0.989 ok	0.990	0.930-1.050
2-Hexanone	11.66	13.23	0.881 ok	0.883	0.823-0.943
Iodomethane	5.57	7.31	0.762 ok	0.762	0.702-0.822
Isopropylbenzene	15.01	13.23	1.135 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.26	7.31	0.720 ok	0.722	0.662-0.782
p-Isopropyltoluene	16.89	13.23	1.277 ok	1.277	1.217-1.337
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.78	7.31	0.927 ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.45	8.98	1.164 ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.50	7.31	0.889 ok	0.892	0.832-0.952
Methylmethacrylate	9.82	8.98	1.094 ok	1.094	1.034-1.154
Naphthalene	19.28	13.23	1.457 ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932 ok	0.932	0.872-0.992
Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
n-Propylbenzene	15.60	13.23	1.179 ok	1.179	1.119-1.239
Propylene	4.12	7.31	0.564 ok	0.563	0.503-0.623
Styrene	14.26	13.23	1.078 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.31	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.25	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.37	13.23	1.086 ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.13	8.98	1.239 ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.14	13.23	1.447 ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.50	13.23	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.54	8.98	1.062 ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15	Reporting this level
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15	
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15	
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15	
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15	
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15	
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15	
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.63	7.31	0.770 ok	0.776	0.716-0.836
Tetrachloroethylene	12.55	13.23	0.949 ok	0.948	0.888-1.008
Tetrahydrofuran	7.73	7.31	1.057 ok	1.061	1.001-1.121
Toluene	11.40	8.98	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.61	8.98	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.31	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.60	7.31	0.903 ok	0.904	0.844-0.964
m,p-Xylene	13.84	13.23	1.046 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.81	8.98	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.31	6.98-7.64	88567	ok 95194	57116-133272
1,4-Difluorobenzene	8.98 ok	8.98	8.65-9.31	418900	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	217954	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.31	0.696 ok	0.699	0.639-0.759
Acrylonitrile	5.41	7.31	0.740 ok	0.741	0.681-0.801
Acetonitrile	4.97	7.31	0.680 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.31	0.611 ok	0.612	0.552-0.672
Benzene	8.66	8.99	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.59	8.99	1.067 ok	1.068	1.008-1.128
Bromoform	13.95	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.635	0.575-0.695
Bromoethene	4.95	7.31	0.677 ok	0.677	0.617-0.737
n-Butane	4.49	7.31	0.614 ok	0.615	0.555-0.675
Benzyl Chloride	16.57	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.70	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.31	0.807 ok	0.808	0.748-0.868
Chlorobenzene	13.28	13.23	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.31	0.561 ok	0.561	0.501-0.621
Chloroethane	4.73	7.31	0.647 ok	0.647	0.587-0.707
Chloroform	7.40	7.31	1.012 ok	1.012	0.952-1.072
Chloromethane	4.27	7.31	0.584 ok	0.584	0.524-0.644
3-Chloropropene	5.76	7.31	0.788 ok	0.789	0.729-0.849
2-Chlorotoluene	15.58	13.23	1.178 ok	1.177	1.117-1.237
Carbon tetrachloride	8.79	7.31	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.84	8.99	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.50	7.31	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.37	8.99	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.66	8.99	1.075 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.31	0.569 ok	0.570	0.510-0.630
Dibromochloromethane	11.85	13.23	0.896 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.46	8.99	1.164 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.57	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.66	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.98	8.99	1.221 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.25	7.31	0.992 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.02	8.99	1.003 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.31	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.31	0.659 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.31	7.31	1.000 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.85	7.31	0.800 ok	0.801	0.741-0.861
Freon 114	4.32	7.31	0.591 ok	0.591	0.531-0.651
Freon 123	5.01	7.31	0.685 ok	0.686	0.626-0.746
Freon 123A	5.05	7.31	0.691 ok	0.691	0.631-0.751
Heptane	9.81	8.99	1.091 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.70	13.23	1.489 ok	1.489	1.429-1.549
Hexachloroethane	17.89	13.23	1.352 ok	1.352	1.292-1.412
Hexane	7.24	7.31	0.990 ok	0.990	0.930-1.050
2-Hexanone	11.66	13.23	0.881 ok	0.883	0.823-0.943
Iodomethane	5.57	7.31	0.762 ok	0.762	0.702-0.822
Isopropylbenzene	15.01	13.23	1.135 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.25	7.31	0.718 ok	0.722	0.662-0.782
p-Isopropyltoluene	16.90	13.23	1.277 ok	1.277	1.217-1.337
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.78	7.31	0.927 ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.45	8.99	1.162 ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.50	7.31	0.889 ok	0.892	0.832-0.952
Methylmethacrylate	9.82	8.99	1.092 ok	1.094	1.034-1.154
Naphthalene	19.28	13.23	1.457 ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932 ok	0.932	0.872-0.992
Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
n-Propylbenzene	15.61	13.23	1.180 ok	1.179	1.119-1.239
Propylene	4.11	7.31	0.562 ok	0.563	0.503-0.623
Styrene	14.26	13.23	1.078 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.31	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.25	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.38	13.23	1.087 ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.13	8.99	1.238 ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.14	13.23	1.447 ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.50	13.23	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.55	8.99	1.062 ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.63	7.31	0.770 ok	0.776	0.716-0.836
Tetrachloroethylene	12.55	13.23	0.949 ok	0.948	0.888-1.008
Tetrahydrofuran	7.72	7.31	1.056 ok	1.061	1.001-1.121
Toluene	11.40	8.99	1.268 ok	1.269	1.209-1.329
Trichloroethylene	9.61	8.99	1.069 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.31	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.60	7.31	0.903 ok	0.904	0.844-0.964
m,p-Xylene	13.85	13.23	1.047 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.81	8.99	1.091 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.31	6.98-7.64	88684	ok 95194	57116-133272
1,4-Difluorobenzene	8.99 ok	8.98	8.65-9.31	424200	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	229858	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.09	7.31	0.696 ok	0.699	0.639-0.759
Acrylonitrile	5.41	7.31	0.740 ok	0.741	0.681-0.801
Acetonitrile	4.97	7.31	0.680 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.31	0.611 ok	0.612	0.552-0.672
Benzene	8.66	8.99	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.60	8.99	1.068 ok	1.068	1.008-1.128
Bromoform	13.95	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.31	0.635 ok	0.635	0.575-0.695
Bromoethene	4.95	7.31	0.677 ok	0.677	0.617-0.737
n-Butane	4.49	7.31	0.614 ok	0.615	0.555-0.675
Benzyl Chloride	16.57	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.70	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.31	0.807 ok	0.808	0.748-0.868
Chlorobenzene	13.28	13.23	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.31	0.561 ok	0.561	0.501-0.621
Chloroethane	4.73	7.31	0.647 ok	0.647	0.587-0.707
Chloroform	7.41	7.31	1.014 ok	1.012	0.952-1.072
Chloromethane	4.27	7.31	0.584 ok	0.584	0.524-0.644
3-Chloropropene	5.76	7.31	0.788 ok	0.789	0.729-0.849
2-Chlorotoluene	15.58	13.23	1.178 ok	1.177	1.117-1.237
Carbon tetrachloride	8.79	7.31	1.202 ok	1.203	1.143-1.263
Cyclohexane	8.84	8.99	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.50	7.31	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.61	7.31	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.06	13.23	0.912 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.02	7.31	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.37	8.99	1.042 ok	1.043	0.983-1.103
1,4-Dioxane	9.65	8.99	1.073 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.31	0.569 ok	0.570	0.510-0.630
Dibromochloromethane	11.85	13.23	0.896 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.31	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.19	7.31	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.46	8.99	1.164 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.57	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.66	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.98	8.99	1.221 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.25	7.31	0.992 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.02	8.99	1.003 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.31	1.090 ok	1.091	1.031-1.151
Ethanol	4.82	7.31	0.659 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.31	7.31	1.000 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.85	7.31	0.800 ok	0.801	0.741-0.861
Freon 114	4.32	7.31	0.591 ok	0.591	0.531-0.651
Freon 123	5.01	7.31	0.685 ok	0.686	0.626-0.746
Freon 123A	5.05	7.31	0.691 ok	0.691	0.631-0.751
Heptane	9.81	8.99	1.091 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.70	13.23	1.489 ok	1.489	1.429-1.549
Hexachloroethane	17.89	13.23	1.352 ok	1.352	1.292-1.412
Hexane	7.24	7.31	0.990 ok	0.990	0.930-1.050
2-Hexanone	11.66	13.23	0.881 ok	0.883	0.823-0.943
Iodomethane	5.57	7.31	0.762 ok	0.762	0.702-0.822
Isopropylbenzene	15.02	13.23	1.135 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.26	7.31	0.720 ok	0.722	0.662-0.782
p-Isopropyltoluene	16.90	13.23	1.277 ok	1.277	1.217-1.337
Methylene chloride	5.70	7.31	0.780 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.78	7.31	0.927 ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.44	8.99	1.161 ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.50	7.31	0.889 ok	0.892	0.832-0.952
Methylmethacrylate	9.82	8.99	1.092 ok	1.094	1.034-1.154
Naphthalene	19.28	13.23	1.457 ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.34	13.23	0.933 ok	0.932	0.872-0.992
Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
n-Propylbenzene	15.61	13.23	1.180 ok	1.179	1.119-1.239
Propylene	4.11	7.31	0.562 ok	0.563	0.503-0.623
Styrene	14.26	13.23	1.078 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.31	1.126 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.26	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.38	13.23	1.087 ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.13	8.99	1.238 ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.14	13.23	1.447 ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.51	13.23	1.097 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.38	13.23	1.238 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.88	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.55	8.99	1.062 ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.64	7.31	0.772 ok	0.776	0.716-0.836
Tetrachloroethylene	12.55	13.23	0.949 ok	0.948	0.888-1.008
Tetrahydrofuran	7.72	7.31	1.056 ok	1.061	1.001-1.121
Toluene	11.40	8.99	1.268 ok	1.269	1.209-1.329
Trichloroethylene	9.61	8.99	1.069 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.31	0.711 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.31	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.60	7.31	0.903 ok	0.904	0.844-0.964
m,p-Xylene	13.85	13.23	1.047 ok	1.046	0.986-1.106
o-Xylene	14.36	13.23	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.39	7.31	0.737 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.81	8.99	1.091 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.31 ok	7.31	6.98-7.64	101610	ok 95194	57116-133272
1,4-Difluorobenzene	8.99 ok	8.98	8.65-9.31	477031	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	260997	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.13	7.30	0.703 ok	0.699	0.639-0.759
Acrylonitrile	5.42	7.30	0.742 ok	0.741	0.681-0.801
Acetonitrile	4.99	7.30	0.684 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.30	0.612 ok	0.612	0.552-0.672
Benzene	8.65	8.97	0.964 ok	0.964	0.904-1.024
Bromodichloromethane	9.58	8.97	1.068 ok	1.068	1.008-1.128
Bromoform	13.94	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.30	0.636 ok	0.635	0.575-0.695
Bromoethene	4.94	7.30	0.677 ok	0.677	0.617-0.737
n-Butane	4.49	7.30	0.615 ok	0.615	0.555-0.675
Benzyl Chloride	16.56	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.69	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.36	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.30	0.808 ok	0.808	0.748-0.868
Chlorobenzene	13.27	13.23	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.30	0.562 ok	0.561	0.501-0.621
Chloroethane	4.73	7.30	0.648 ok	0.647	0.587-0.707
Chloroform	7.38	7.30	1.011 ok	1.012	0.952-1.072
Chloromethane	4.27	7.30	0.585 ok	0.584	0.524-0.644
3-Chloropropene	5.77	7.30	0.790 ok	0.789	0.729-0.849
2-Chlorotoluene	15.57	13.23	1.177 ok	1.177	1.117-1.237
Carbon tetrachloride	8.78	7.30	1.203 ok	1.203	1.143-1.263
Cyclohexane	8.82	8.97	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.49	7.30	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.62	7.30	0.770 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.01	7.30	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.36	8.97	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.76	8.97	1.088 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.30	0.570 ok	0.570	0.510-0.630
Dibromochloromethane	11.83	13.23	0.894 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.32	7.30	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.18	7.30	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.45	8.97	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.57	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.65	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.98	8.97	1.224 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.28	7.30	0.997 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.02	8.97	1.006 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.30	1.092 ok	1.091	1.031-1.151
Ethanol	4.85	7.30	0.664 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.35	7.30	1.007 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.85	7.30	0.801 ok	0.801	0.741-0.861
Freon 114	4.31	7.30	0.590 ok	0.591	0.531-0.651
Freon 123	5.01	7.30	0.686 ok	0.686	0.626-0.746
Freon 123A	5.05	7.30	0.692 ok	0.691	0.631-0.751
Heptane	9.80	8.97	1.093 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.71	13.23	1.490 ok	1.489	1.429-1.549
Hexachloroethane	17.90	13.23	1.353 ok	1.352	1.292-1.412
Hexane	7.24	7.30	0.992 ok	0.990	0.930-1.050
2-Hexanone	11.71	13.23	0.885 ok	0.883	0.823-0.943
Iodomethane	5.57	7.30	0.763 ok	0.762	0.702-0.822
Isopropylbenzene	15.01	13.23	1.135 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.31	7.30	0.727 ok	0.722	0.662-0.782
p-Isopropyltoluene	16.89	13.23	1.277 ok	1.277	1.217-1.337
Methylene chloride	5.70	7.30	0.781 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.83	7.30	0.936 ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.50	8.97	1.171 ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.54	7.30	0.896 ok	0.892	0.832-0.952
Methylmethacrylate	9.84	8.97	1.097 ok	1.094	1.034-1.154
Naphthalene	19.29	13.23	1.458 ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.30	0.737 ok	0.737	0.677-0.797
n-Propylbenzene	15.60	13.23	1.179 ok	1.179	1.119-1.239
Propylene	4.12	7.30	0.564 ok	0.563	0.503-0.623
Styrene	14.25	13.23	1.077 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.30	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.25	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.37	13.23	1.086 ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.13	8.97	1.241 ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.15	13.23	1.447 ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.50	13.23	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.54	8.97	1.064 ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.70	7.30	0.781 ok	0.776	0.716-0.836
Tetrachloroethylene	12.54	13.23	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.81	7.30	1.070 ok	1.061	1.001-1.121
Toluene	11.40	8.97	1.271 ok	1.269	1.209-1.329
Trichloroethylene	9.60	8.97	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.30	0.712 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.30	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.61	7.30	0.905 ok	0.904	0.844-0.964
m,p-Xylene	13.84	13.23	1.046 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.30 ok	7.31	6.98-7.64	93290	ok 95194	57116-133272
1,4-Difluorobenzene	8.97 ok	8.98	8.65-9.31	432182	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	219128	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.13	7.30	0.703 ok	0.699	0.639-0.759
Acetonitrile	5.00	7.30	0.685 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.30	0.612 ok	0.612	0.552-0.672
Benzene	8.65	8.98	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.58	8.98	1.067 ok	1.068	1.008-1.128
Bromoform	13.94	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.66	7.30	0.638 ok	0.635	0.575-0.695
Bromoethene	4.95	7.30	0.678 ok	0.677	0.617-0.737
n-Butane	4.49	7.30	0.615 ok	0.615	0.555-0.675
Carbon disulfide	5.90	7.30	0.808 ok	0.808	0.748-0.868
Chlorobenzene	13.28	13.23	1.004 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.11	7.30	0.563 ok	0.561	0.501-0.621
Chloroform	7.39	7.30	1.012 ok	1.012	0.952-1.072
Chloromethane	4.27	7.30	0.585 ok	0.584	0.524-0.644
3-Chloropropene	5.77	7.30	0.790 ok	0.789	0.729-0.849
2-Chlorotoluene	15.56	13.23	1.176 ok	1.177	1.117-1.237
Carbon tetrachloride	8.79	7.30	1.204 ok	1.203	1.143-1.263
Cyclohexane	8.83	8.98	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.50	7.30	0.890 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.61	7.30	0.768 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloropropane	9.35	8.98	1.041 ok	1.043	0.983-1.103
Dichlorodifluoromethane	4.17	7.30	0.571 ok	0.570	0.510-0.630
Dibromochloromethane	11.84	13.23	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.33	7.30	0.867 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.18	7.30	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.46	8.98	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.57	13.23	1.252 ok	1.252	1.192-1.312
p-Dichlorobenzene	16.65	13.23	1.259 ok	1.259	1.199-1.319
Di-Isopropyl ether	7.28	7.30	0.997 ok	0.994	0.934-1.054
2,3-Dimethylpentane	8.98	8.98	1.000 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.30	1.092 ok	1.091	1.031-1.151
Ethanol	4.86	7.30	0.666 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.19	7.30	0.985 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.85	7.30	0.801 ok	0.801	0.741-0.861
Freon 114	4.32	7.30	0.592 ok	0.591	0.531-0.651
Freon 123	5.01	7.30	0.686 ok	0.686	0.626-0.746
Freon 123A	5.05	7.30	0.692 ok	0.691	0.631-0.751

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Heptane	9.80	8.98	1.091 ok	1.092	1.032-1.152
Hexane	7.23	7.30	0.990 ok	0.990	0.930-1.050
Iodomethane	5.57	7.30	0.763 ok	0.762	0.702-0.822
Isopropylbenzene	15.00	13.23	1.134 ok	1.134	1.074-1.194
Methylene chloride	5.71	7.30	0.782 ok	0.780	0.720-0.840
Methyl Tert Butyl Ether	6.55	7.30	0.897 ok	0.892	0.832-0.952
Methylmethacrylate	9.83	8.98	1.095 ok	1.094	1.034-1.154
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932 ok	0.932	0.872-0.992
Pentane	5.39	7.30	0.738 ok	0.737	0.677-0.797
Propylene	4.12	7.30	0.564 ok	0.563	0.503-0.623
Styrene	14.26	13.23	1.078 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.30	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.26	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.38	13.23	1.087 ok	1.087	1.027-1.147
1,2,3-Trichloropropane	14.49	13.23	1.095 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.54	8.98	1.062 ok	1.063	1.003-1.123
Tertiary Butyl Alcohol	5.73	7.30	0.785 ok	0.776	0.716-0.836
Tetrachloroethylene	12.53	13.23	0.947 ok	0.948	0.888-1.008
Toluene	11.39	8.98	1.268 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.98	1.071 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.30	0.712 ok	0.712	0.652-0.772
Vinyl chloride	4.40	7.30	0.603 ok	0.601	0.541-0.661
m,p-Xylene	13.84	13.23	1.046 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.30 ok	7.31	6.98-7.64	93472	ok 95194	57116-133272
1,4-Difluorobenzene	8.98 ok	8.98	8.65-9.31	419036	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	212699	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.10	7.32	0.697 ok	0.699	0.639-0.759
Acrylonitrile	5.42	7.32	0.740 ok	0.741	0.681-0.801
Acetonitrile	4.98	7.32	0.680 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.32	0.611 ok	0.612	0.552-0.672
Benzene	8.66	8.99	0.963 ok	0.964	0.904-1.024
Bromodichloromethane	9.60	8.99	1.068 ok	1.068	1.008-1.128
Bromoform	13.97	13.25	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.32	0.634 ok	0.635	0.575-0.695
Bromoethene	4.95	7.32	0.676 ok	0.677	0.617-0.737
n-Butane	4.49	7.32	0.613 ok	0.615	0.555-0.675
Benzyl Chloride	16.59	13.25	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.42	13.25	1.315 ok	1.316	1.256-1.376
sec-Butylbenzene	16.71	13.25	1.261 ok	1.262	1.202-1.322
tert-Butylbenzene	16.38	13.25	1.236 ok	1.237	1.177-1.297
Carbon disulfide	5.91	7.32	0.807 ok	0.808	0.748-0.868
Chlorobenzene	13.29	13.25	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.32	0.560 ok	0.561	0.501-0.621
Chloroethane	4.73	7.32	0.646 ok	0.647	0.587-0.707
Chloroform	7.41	7.32	1.012 ok	1.012	0.952-1.072
Chloromethane	4.27	7.32	0.583 ok	0.584	0.524-0.644
3-Chloropropene	5.78	7.32	0.790 ok	0.789	0.729-0.849
2-Chlorotoluene	15.59	13.25	1.177 ok	1.177	1.117-1.237
Carbon tetrachloride	8.79	7.32	1.201 ok	1.203	1.143-1.263
Cyclohexane	8.84	8.99	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.51	7.32	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.62	7.32	0.768 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.07	13.25	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.03	7.32	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.38	8.99	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.66	8.99	1.075 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.32	0.568 ok	0.570	0.510-0.630
Dibromochloromethane	11.86	13.25	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.34	7.32	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.20	7.32	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.47	8.99	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.59	13.25	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.10	13.25	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.67	13.25	1.258 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.99	8.99	1.222 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.25	7.32	0.990 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.03	8.99	1.004	ok 1.004	0.944-1.064
2,4-Dimethylpentane	7.98	7.32	1.090	ok 1.091	1.031-1.151
Ethanol	4.83	7.32	0.660	ok 0.662	0.602-0.722
Ethylbenzene	13.67	13.25	1.032	ok 1.032	0.972-1.092
Ethyl Acetate	7.33	7.32	1.001	ok 1.000	0.940-1.060
4-Ethyltoluene	15.79	13.25	1.192	ok 1.193	1.133-1.253
Freon 113	5.86	7.32	0.801	ok 0.801	0.741-0.861
Freon 114	4.32	7.32	0.590	ok 0.591	0.531-0.651
Freon 123	5.02	7.32	0.686	ok 0.686	0.626-0.746
Freon 123A	5.06	7.32	0.691	ok 0.691	0.631-0.751
Heptane	9.81	8.99	1.091	ok 1.092	1.032-1.152
Hexachlorobutadiene	19.71	13.25	1.488	ok 1.489	1.429-1.549
Hexachloroethane	17.91	13.25	1.352	ok 1.352	1.292-1.412
Hexane	7.24	7.32	0.989	ok 0.990	0.930-1.050
2-Hexanone	11.67	13.25	0.881	ok 0.883	0.823-0.943
Iodomethane	5.57	7.32	0.761	ok 0.762	0.702-0.822
Isopropylbenzene	15.02	13.25	1.134	ok 1.134	1.074-1.194
Isopropyl Alcohol	5.27	7.32	0.720	ok 0.722	0.662-0.782
p-Isopropyltoluene	16.91	13.25	1.276	ok 1.277	1.217-1.337
Methylene chloride	5.71	7.32	0.780	ok 0.780	0.720-0.840
Methyl ethyl ketone	6.79	7.32	0.928	ok 0.931	0.871-0.991
Methyl Isobutyl Ketone	10.45	8.99	1.162	ok 1.166	1.106-1.226
Methyl Tert Butyl Ether	6.51	7.32	0.889	ok 0.892	0.832-0.952
Methylmethacrylate	9.83	8.99	1.093	ok 1.094	1.034-1.154
Naphthalene	19.28	13.25	1.455	ok 1.457	1.397-1.517
Nonane	14.56	13.25	1.099	ok 1.100	1.040-1.160
Octane	12.35	13.25	0.932	ok 0.932	0.872-0.992
Pentane	5.39	7.32	0.736	ok 0.737	0.677-0.797
n-Propylbenzene	15.62	13.25	1.179	ok 1.179	1.119-1.239
Propylene	4.12	7.32	0.563	ok 0.563	0.503-0.623
Styrene	14.27	13.25	1.077	ok 1.078	1.018-1.138
1,1,1-Trichloroethane	8.24	7.32	1.126	ok 1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.27	13.25	1.002	ok 1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.40	13.25	1.087	ok 1.087	1.027-1.147
1,1,2-Trichloroethane	11.15	8.99	1.240	ok 1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.15	13.25	1.445	ok 1.447	1.387-1.507
1,2,3-Trichloropropane	14.52	13.25	1.096	ok 1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.39	13.25	1.237	ok 1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.89	13.25	1.199	ok 1.200	1.140-1.260
2,2,4-Trimethylpentane	9.55	8.99	1.062	ok 1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.65	7.32	0.772 ok	0.776	0.716-0.836
Tetrachloroethylene	12.55	13.25	0.947 ok	0.948	0.888-1.008
Tetrahydrofuran	7.72	7.32	1.055 ok	1.061	1.001-1.121
Toluene	11.41	8.99	1.269 ok	1.269	1.209-1.329
Trichloroethylene	9.62	8.99	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.32	0.710 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.32	0.600 ok	0.601	0.541-0.661
Vinyl Acetate	6.61	7.32	0.903 ok	0.904	0.844-0.964
m,p-Xylene	13.86	13.25	1.046 ok	1.046	0.986-1.106
o-Xylene	14.37	13.25	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.39	7.32	0.736 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.82	8.99	1.092 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.32 ok	7.31	6.98-7.64	96023	ok 95194	57116-133272
1,4-Difluorobenzene	8.99 ok	8.98	8.65-9.31	446853	ok 437146	262288-612004
Chlorobenzene-D5	13.25 ok	13.23	12.90-13.56	268155	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.12	7.30	0.701 ok	0.699	0.639-0.759
Acrylonitrile	5.42	7.30	0.742 ok	0.741	0.681-0.801
Acetonitrile	4.98	7.30	0.682 ok	0.681	0.621-0.741
1,3-Butadiene	4.47	7.30	0.612 ok	0.612	0.552-0.672
Benzene	8.65	8.97	0.964 ok	0.964	0.904-1.024
Bromodichloromethane	9.58	8.97	1.068 ok	1.068	1.008-1.128
Bromoform	13.94	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.30	0.636 ok	0.635	0.575-0.695
Bromoethene	4.95	7.30	0.678 ok	0.677	0.617-0.737
n-Butane	4.49	7.30	0.615 ok	0.615	0.555-0.675
Benzyl Chloride	16.57	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.69	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.36	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.30	0.808 ok	0.808	0.748-0.868
Chlorobenzene	13.27	13.23	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.30	0.562 ok	0.561	0.501-0.621
Chloroethane	4.73	7.30	0.648 ok	0.647	0.587-0.707
Chloroform	7.39	7.30	1.012 ok	1.012	0.952-1.072
Chloromethane	4.27	7.30	0.585 ok	0.584	0.524-0.644
3-Chloropropene	5.77	7.30	0.790 ok	0.789	0.729-0.849
2-Chlorotoluene	15.57	13.23	1.177 ok	1.177	1.117-1.237
Carbon tetrachloride	8.78	7.30	1.203 ok	1.203	1.143-1.263
Cyclohexane	8.82	8.97	0.983 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.49	7.30	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.60	7.30	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.01	7.30	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.36	8.97	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.75	8.97	1.087 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.30	0.570 ok	0.570	0.510-0.630
Dibromochloromethane	11.84	13.23	0.895 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.32	7.30	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.18	7.30	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.45	8.97	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.56	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.65	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.97	8.97	1.223 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.27	7.30	0.996 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.02	8.97	1.006	ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.30	1.092	ok	1.091	1.031-1.151
Ethanol	4.86	7.30	0.666	ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032	ok	1.032	0.972-1.092
Ethyl Acetate	7.34	7.30	1.005	ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193	ok	1.193	1.133-1.253
Freon 113	5.85	7.30	0.801	ok	0.801	0.741-0.861
Freon 114	4.31	7.30	0.590	ok	0.591	0.531-0.651
Freon 123	5.01	7.30	0.686	ok	0.686	0.626-0.746
Freon 123A	5.06	7.30	0.693	ok	0.691	0.631-0.751
Heptane	9.80	8.97	1.093	ok	1.092	1.032-1.152
Hexachlorobutadiene	19.70	13.23	1.489	ok	1.489	1.429-1.549
Hexachloroethane	17.89	13.23	1.352	ok	1.352	1.292-1.412
Hexane	7.23	7.30	0.990	ok	0.990	0.930-1.050
2-Hexanone	11.70	13.23	0.884	ok	0.883	0.823-0.943
Iodomethane	5.57	7.30	0.763	ok	0.762	0.702-0.822
Isopropylbenzene	15.00	13.23	1.134	ok	1.134	1.074-1.194
Isopropyl Alcohol	5.31	7.30	0.727	ok	0.722	0.662-0.782
p-Isopropyltoluene	16.90	13.23	1.277	ok	1.277	1.217-1.337
Methylene chloride	5.70	7.30	0.781	ok	0.780	0.720-0.840
Methyl ethyl ketone	6.83	7.30	0.936	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.50	8.97	1.171	ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.54	7.30	0.896	ok	0.892	0.832-0.952
Methylmethacrylate	9.83	8.97	1.096	ok	1.094	1.034-1.154
Naphthalene	19.27	13.23	1.457	ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100	ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932	ok	0.932	0.872-0.992
Pentane	5.38	7.30	0.737	ok	0.737	0.677-0.797
n-Propylbenzene	15.60	13.23	1.179	ok	1.179	1.119-1.239
Propylene	4.12	7.30	0.564	ok	0.563	0.503-0.623
Styrene	14.26	13.23	1.078	ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.30	1.127	ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.26	13.23	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.37	13.23	1.086	ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.13	8.97	1.241	ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.15	13.23	1.447	ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.50	13.23	1.096	ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237	ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200	ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.54	8.97	1.064	ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15 Reporting this level
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.70	7.30	0.781 ok	0.776	0.716-0.836
Tetrachloroethylene	12.55	13.23	0.949 ok	0.948	0.888-1.008
Tetrahydrofuran	7.79	7.30	1.067 ok	1.061	1.001-1.121
Toluene	11.40	8.97	1.271 ok	1.269	1.209-1.329
Trichloroethylene	9.60	8.97	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.20	7.30	0.712 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.30	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.61	7.30	0.905 ok	0.904	0.844-0.964
m,p-Xylene	13.84	13.23	1.046 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.30	0.737 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.80	8.97	1.093 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.30 ok	7.31	6.98-7.64	99050	ok 95194	57116-133272
1,4-Difluorobenzene	8.97 ok	8.98	8.65-9.31	435213	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	215906	ok 230327	138196-322458

Initial Calibration Retention Time/Internal Standard Area Summary

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Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	5.12	7.30	0.701 ok	0.699	0.639-0.759
Acrylonitrile	5.40	7.30	0.740 ok	0.741	0.681-0.801
Acetonitrile	4.97	7.30	0.681 ok	0.681	0.621-0.741
1,3-Butadiene	4.46	7.30	0.611 ok	0.612	0.552-0.672
Benzene	8.65	8.97	0.964 ok	0.964	0.904-1.024
Bromodichloromethane	9.58	8.97	1.068 ok	1.068	1.008-1.128
Bromoform	13.95	13.23	1.054 ok	1.054	0.994-1.114
Bromomethane	4.64	7.30	0.636 ok	0.635	0.575-0.695
Bromoethene	4.94	7.30	0.677 ok	0.677	0.617-0.737
n-Butane	4.49	7.30	0.615 ok	0.615	0.555-0.675
Benzyl Chloride	16.57	13.23	1.252 ok	1.252	1.192-1.312
n-Butylbenzene	17.41	13.23	1.316 ok	1.316	1.256-1.376
sec-Butylbenzene	16.69	13.23	1.262 ok	1.262	1.202-1.322
tert-Butylbenzene	16.36	13.23	1.237 ok	1.237	1.177-1.297
Carbon disulfide	5.90	7.30	0.808 ok	0.808	0.748-0.868
Chlorobenzene	13.27	13.23	1.003 ok	1.003	0.943-1.063
Chlorodifluoromethane	4.10	7.30	0.562 ok	0.561	0.501-0.621
Chloroethane	4.73	7.30	0.648 ok	0.647	0.587-0.707
Chloroform	7.39	7.30	1.012 ok	1.012	0.952-1.072
Chloromethane	4.26	7.30	0.584 ok	0.584	0.524-0.644
3-Chloropropene	5.76	7.30	0.789 ok	0.789	0.729-0.849
2-Chlorotoluene	15.57	13.23	1.177 ok	1.177	1.117-1.237
Carbon tetrachloride	8.78	7.30	1.203 ok	1.203	1.143-1.263
Cyclohexane	8.83	8.97	0.984 ok	0.983	0.923-1.043
1,1-Dichloroethane	6.49	7.30	0.889 ok	0.889	0.829-0.949
1,1-Dichloroethylene	5.60	7.30	0.767 ok	0.768	0.708-0.828
1,2-Dibromoethane	12.05	13.23	0.911 ok	0.911	0.851-0.971
1,2-Dichloroethane	8.01	7.30	1.097 ok	1.097	1.037-1.157
1,2-Dichloropropane	9.36	8.97	1.043 ok	1.043	0.983-1.103
1,4-Dioxane	9.72	8.97	1.084 ok	1.080	1.020-1.140
Dichlorodifluoromethane	4.16	7.30	0.570 ok	0.570	0.510-0.630
Dibromochloromethane	11.83	13.23	0.894 ok	0.895	0.835-0.955
trans-1,2-Dichloroethylene	6.32	7.30	0.866 ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.18	7.30	0.984 ok	0.984	0.924-1.044
cis-1,3-Dichloropropene	10.45	8.97	1.165 ok	1.165	1.105-1.225
m-Dichlorobenzene	16.56	13.23	1.252 ok	1.252	1.192-1.312
o-Dichlorobenzene	17.08	13.23	1.291 ok	1.291	1.231-1.351
p-Dichlorobenzene	16.65	13.23	1.259 ok	1.259	1.199-1.319
trans-1,3-Dichloropropene	10.96	8.97	1.222 ok	1.222	1.162-1.282
Di-Isopropyl ether	7.26	7.30	0.995 ok	0.994	0.934-1.054

Initial Calibration Retention Time/Internal Standard Area Summary

Page 48 of 49

Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
2,3-Dimethylpentane	9.02	8.97	1.006 ok	1.004	0.944-1.064
2,4-Dimethylpentane	7.97	7.30	1.092 ok	1.091	1.031-1.151
Ethanol	4.84	7.30	0.663 ok	0.662	0.602-0.722
Ethylbenzene	13.65	13.23	1.032 ok	1.032	0.972-1.092
Ethyl Acetate	7.33	7.30	1.004 ok	1.000	0.940-1.060
4-Ethyltoluene	15.78	13.23	1.193 ok	1.193	1.133-1.253
Freon 113	5.84	7.30	0.800 ok	0.801	0.741-0.861
Freon 114	4.31	7.30	0.590 ok	0.591	0.531-0.651
Freon 123	5.01	7.30	0.686 ok	0.686	0.626-0.746
Freon 123A	5.04	7.30	0.690 ok	0.691	0.631-0.751
Heptane	9.80	8.97	1.093 ok	1.092	1.032-1.152
Hexachlorobutadiene	19.70	13.23	1.489 ok	1.489	1.429-1.549
Hexachloroethane	17.89	13.23	1.352 ok	1.352	1.292-1.412
Hexane	7.23	7.30	0.990 ok	0.990	0.930-1.050
2-Hexanone	11.69	13.23	0.884 ok	0.883	0.823-0.943
Iodomethane	5.56	7.30	0.762 ok	0.762	0.702-0.822
Isopropylbenzene	15.00	13.23	1.134 ok	1.134	1.074-1.194
Isopropyl Alcohol	5.28	7.30	0.723 ok	0.722	0.662-0.782
p-Isopropyltoluene	16.89	13.23	1.277 ok	1.277	1.217-1.337
Methylene chloride	5.70	7.30	0.781 ok	0.780	0.720-0.840
Methyl ethyl ketone	6.81	7.30	0.933 ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	10.48	8.97	1.168 ok	1.166	1.106-1.226
Methyl Tert Butyl Ether	6.52	7.30	0.893 ok	0.892	0.832-0.952
Methylmethacrylate	9.83	8.97	1.096 ok	1.094	1.034-1.154
Naphthalene	19.28	13.23	1.457 ok	1.457	1.397-1.517
Nonane	14.55	13.23	1.100 ok	1.100	1.040-1.160
Octane	12.33	13.23	0.932 ok	0.932	0.872-0.992
Pentane	5.38	7.30	0.737 ok	0.737	0.677-0.797
n-Propylbenzene	15.60	13.23	1.179 ok	1.179	1.119-1.239
Propylene	4.11	7.30	0.563 ok	0.563	0.503-0.623
Styrene	14.25	13.23	1.077 ok	1.078	1.018-1.138
1,1,1-Trichloroethane	8.23	7.30	1.127 ok	1.127	1.067-1.187
1,1,1,2-Tetrachloroethane	13.25	13.23	1.002 ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.37	13.23	1.086 ok	1.087	1.027-1.147
1,1,2-Trichloroethane	11.12	8.97	1.240 ok	1.240	1.180-1.300
1,2,4-Trichlorobenzene	19.15	13.23	1.447 ok	1.447	1.387-1.507
1,2,3-Trichloropropane	14.50	13.23	1.096 ok	1.096	1.036-1.156
1,2,4-Trimethylbenzene	16.37	13.23	1.237 ok	1.237	1.177-1.297
1,3,5-Trimethylbenzene	15.87	13.23	1.200 ok	1.200	1.140-1.260
2,2,4-Trimethylpentane	9.54	8.97	1.064 ok	1.063	1.003-1.123

Initial Calibration Retention Time/Internal Standard Area Summary

Page 49 of 49

Job Number: JB2710

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method
V3W1065-IC1065	3W27165.D	03/27/12 16:12	YXC	5	GCMS3W	TO-15
V3W1065-ICC1065	3W27167.D	03/27/12 17:30	YXC	10	GCMS3W	TO-15
V3W1065-IC1065	3W27168.D	03/27/12 19:29	YXC	20	GCMS3W	TO-15
V3W1065-IC1065	3W27170.D	03/27/12 21:28	YXC	0.1	GCMS3W	TO-15
V3W1065-IC1065	3W27171.D	03/27/12 22:07	YXC	0.04	GCMS3W	TO-15
V3W1065-IC1065	3W27172.D	03/27/12 22:48	YXC	40	GCMS3W	TO-15
V3W1065-IC1065	3W27175.D	03/28/12 01:24	YXC	0.2	GCMS3W	TO-15
V3W1065-IC1065	3W27178.D	03/28/12 08:09	YXC	0.5	GCMS3W	TO-15

Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	5.67	7.30	0.777 ok	0.776	0.716-0.836
Tetrachloroethylene	12.54	13.23	0.948 ok	0.948	0.888-1.008
Tetrahydrofuran	7.76	7.30	1.063 ok	1.061	1.001-1.121
Toluene	11.39	8.97	1.270 ok	1.269	1.209-1.329
Trichloroethylene	9.60	8.97	1.070 ok	1.070	1.010-1.130
Trichlorofluoromethane	5.19	7.30	0.711 ok	0.712	0.652-0.772
Vinyl chloride	4.39	7.30	0.601 ok	0.601	0.541-0.661
Vinyl Acetate	6.60	7.30	0.904 ok	0.904	0.844-0.964
m,p-Xylene	13.85	13.23	1.047 ok	1.046	0.986-1.106
o-Xylene	14.35	13.23	1.085 ok	1.085	1.025-1.145
TVHC As Equiv Pentane	5.38	7.30	0.737 ok	0.737	0.677-0.797
TVHC As Equiv Heptane	9.81	8.97	1.094 ok	1.092	1.032-1.152

Internal Standard	RT (min.)	Mean RT(min.)	RT Range (+ /- 0.33)	Area	Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.30 ok	7.31	6.98-7.64	100857	ok 95194	57116-133272
1,4-Difluorobenzene	8.97 ok	8.98	8.65-9.31	443755	ok 437146	262288-612004
Chlorobenzene-D5	13.23 ok	13.23	12.90-13.56	217917	ok 230327	138196-322458

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JB2710-1	3W27367.D	96.0
JB2710-2	3W27368.D	92.0
JB2710-3	3W27369.D	92.0
JB2710-4	3W27370.D	92.0
JB2710-5	3W27371.D	93.0
JB2710-6	3W27372.D	95.0
JB2710-7	3W27373.D	86.0
JB1801-2DUP	3W27359.D	91.0
V3W1058-SCC	3W26949.D	100.0
V3W1072-BS	3W27348.D	100.0
V3W1072-BSD	3W27349.D	99.0
V3W1072-MB	3W27350.D	88.0
V3W1058-BS	3W26946.D	102.0
V3W1058-BSD	3W26947.D	106.0
V3W1058-MB	3W26948.D	102.0

Surrogate Compounds **Recovery Limits**

S1 = 4-Bromofluorobenzene 65-128%

5.8.1

5

Initial Calibration Summary

Page 1 of 4

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICC1022
Lab FileID: 3W25890.D

Response Factor Report MS3W

Method : C:\MSDCHEM\1\METHODS\M3W1022.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Jan 24 11:01:04 2012
Response via : Initial Calibration

Calibration Files

0.04=3W25898.D 0.1 =3W25904.D 0.2 =3W25894.D 0.5 =3W25891.D
5 =3W25893.D 10 =3W25890.D 20 =3W25895.D 40 =3W25899.D
15 =3W25892.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	15	Avg	%RSD
1) I BROMOCHLOROMETHANE	-----ISTD-----										
2) FREON 115										0.000	-1.00
3) FREON 152A											
	5.264	5.083	1.044	0.953	0.864	0.826	0.854			2.127	97.95
4) CHLORODIFLUOROMETHANE											
	0.323	0.315	0.373	0.357	0.369	0.332	0.313	0.327		0.339	7.14
5) DICHLORODIFLUOROMETHANE											
	3.926	3.282	2.978	3.430	3.590	3.641	3.256	3.005	3.243	3.372	9.13
6) PROPYLENE											
	1.266	1.216	1.211	1.221	1.122	1.059	1.103			1.171	6.50
7) FREON 114											
	4.429	3.679	3.441	3.769	4.068	4.117	3.683	3.364	3.656	3.801	9.01
8) CHLOROMETHANE											
	1.875	1.455	1.197	1.312	1.345	1.371	1.264	1.207	1.243	1.363	15.34
9) VINYL CHLORIDE											
	1.392	1.318	1.241	1.378	1.484	1.530	1.425	1.346	1.391	1.390	6.18
10) 1,3-BUTADIENE											
	1.081	1.081	0.839	0.983	1.103	1.153	1.075	1.035	1.044	1.044	8.64
11) n-BUTANE											
	2.438	2.215	2.300	2.228	2.300	2.123	1.988	2.075		2.208	6.49
12) BROMOMETHANE											
	1.539	1.387	1.176	1.310	1.397	1.431	1.302	1.216	1.274	1.337	8.45
13) CHLOROETHANE											
	0.737	0.631	0.703	0.779	0.803	0.743	0.710	0.726		0.729	7.14
14) DICHLOROFLUOROMETHANE											
	3.512	2.714	2.680	2.908	3.138	3.223	2.912	2.700	2.882	2.963	9.41
15) ACETONITRILE											
	1.189	0.958	0.939	1.062	0.995	0.959	0.977			1.012	8.69
16) FREON 123											
	3.414	3.076	2.795	3.068	3.323	3.381	3.067	2.838	3.045	3.112	7.13
17) FREON 123A											
	1.711	1.662	1.581	1.779	1.921	1.952	1.784	1.659	1.760	1.757	6.91
18) TRICHLOROFLUOROMETHANE											
	3.529	2.969	2.837	3.240	3.394	3.483	3.108	2.841	3.096	3.166	8.28
19) ISOPROPYL ALCOHOL											
	2.571	2.352	2.139	2.350	2.091	2.323	2.112	2.040	2.135	2.235	7.76
20) ACETONE											
	0.577	0.593	0.484	0.612	0.553	0.535	0.557			0.559	7.47
21) PENTANE											
	1.552	1.408	1.459	1.512	1.561	1.436	1.353	1.431		1.464	4.96
22) TVHC as EQUIV PENTANE											
	6.662	5.735	9.221	9.077	9.601	8.794	8.349	8.795		8.279	16.39
23) IODOMETHANE											

Initial Calibration Summary

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICC1022
Lab FileID: 3W25890.D

		3.909	3.232	3.180	3.469	3.819	3.893	3.481	3.206	3.468	3.517	8.31
24)	1,1-DICHLOROETHYLENE	1.429	1.156	1.139	1.251	1.382	1.410	1.276	1.197	1.266	1.278	8.43
25)	CARBON DISULFIDE	4.196	3.366	2.931	3.156	3.336	3.432	3.101	2.892	3.069	3.275	12.01
26)	ETHANOL				0.797	0.471	0.559	0.494	0.479	0.492	0.549	22.91
27)	BROMOETHENE	1.286	1.286	1.148	1.239	1.406	1.447	1.318	1.234	1.293	1.295	6.93
28)	ACRYLONITRILE	0.671	0.539	0.667	0.740	0.837	0.780	0.754	0.783	0.721	12.90	
29)	METHYLENE CHLORIDE	1.456	1.295	1.304	1.239	1.278	1.154	1.077	1.142	1.243	9.56	
30)	3-CHLOROPROPENE	0.604	0.514	0.587	0.639	0.675	0.621	0.593	0.620	0.607	7.72	
31)	FREON 113	2.217	2.088	1.950	2.247	2.363	2.421	2.174	1.995	2.160	2.180	7.13
32)	TRANS-1,2-DICHLOROETHYLENE	1.107	1.047	1.016	1.193	1.290	1.341	1.225	1.159	1.218	1.177	9.10
33)	TERTIARY BUTYL ALCOHOL	3.029	2.635	2.294	2.583	2.619	2.854	2.545	2.375	2.570	2.612	8.53
34)	METHYL TERTIARY BUTYL ETHER	3.333	2.948	2.416	2.940	2.815	3.629	3.189	3.046	3.208	3.058	11.20
35)	TETRAHYDROFURAN	0.377	0.469	0.491	0.635	0.571	0.564	0.571	0.526	16.31		
36)	HEXANE	2.102	1.628	1.666	1.874	2.113	2.189	1.987	1.881	1.976	1.935	10.04
37)	VINYL ACETATE	0.163	0.244	0.272	0.317	0.296	0.283	0.289	0.266	19.08		
38)	1,1-DICHLOROETHANE	2.430	2.261	2.003	2.303	2.487	2.608	2.363	2.204	2.366	2.336	7.45
39)	METHYL ETHYL KETONE	0.492	0.456	0.521	0.488	0.601	0.541	0.542	0.541	0.523	8.49	
40)	cis-1,2-DICHLOROETHYLENE	1.179	1.217	1.047	1.220	1.398	1.462	1.354	1.286	1.352	1.280	9.96
41)	DIISOPROPYL ETHER	3.596	2.904	3.517	3.451	4.375	3.835	3.645	3.845	3.646	11.42	
42)	ETHYL ACETATE	0.264	0.319	0.306	0.396	0.355	0.355	0.355	0.336	12.76		
43)	METHYL ACRYLATE	1.651	1.417	1.683	1.776	2.263	2.054	1.995	2.049	1.861	14.81	
44)	CHLOROFORM	2.810	2.489	2.204	2.452	2.706	2.808	2.562	2.415	2.565	2.557	7.69
45)	2,4-DIMETHYLPENTANE	2.859	2.163	2.002	2.261	2.594	2.705	2.481	2.347	2.457	2.430	11.08
46)	1,1,1-TRICHLOROETHANE	2.646	2.308	2.087	2.442	2.657	2.785	2.533	2.391	2.526	2.486	8.41
47)	CARBON TETRACHLORIDE	2.807	2.531	2.231	2.662	2.916	2.994	2.702	2.511	2.686	2.671	8.60
48)	1,2-DICHLOROETHANE	1.461	1.401	1.180	1.409	1.568	1.653	1.514	1.438	1.515	1.460	9.04
49)	I 1,4-DIFLUOROBENZENE	-----ISTD-----										
50)	BENZENE	1.295	0.903	0.850	0.834	1.011	0.911	0.978	0.954	0.946	0.965	14.14
51)	CYCLOHEXANE	0.385	0.422	0.435	0.447	0.564	0.495	0.532	0.516	0.506	0.478	12.26
52)	2,3-DIMETHYLPENTANE	0.264	0.218	0.247	0.214	0.232	0.227	0.220	0.232	7.61		
53)	TRICHLOROETHYLENE											

5.9.1

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Initial Calibration Summary

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICC1022
Lab FileID: 3W25890.D

		0.443	0.343	0.366	0.348	0.437	0.382	0.419	0.405	0.400	0.394	9.30
54)	1,2-DICHLOROPROPANE											
		0.441	0.302	0.288	0.299	0.376	0.343	0.376	0.368	0.360	0.350	13.81
55)	DIBROMOMETHANE											
		0.451	0.333	0.329	0.311	0.404	0.354	0.382	0.370	0.370	0.367	11.63
56)	ETHYL ACRYLATE											
		0.457	0.469	0.542	0.562	0.598	0.599	0.577			0.543	10.78
57)	BROMODICHLOROMETHANE											
		0.735	0.584	0.577	0.583	0.721	0.636	0.683	0.654	0.659	0.648	9.12
58)	2,2,4-TRIMETHYLPENTANE											
		1.756	1.298	1.361	1.346	1.683	1.487	1.616	1.538	1.553	1.515	10.40
59)	1,4-DIOXANE											
		0.163	0.170	0.181	0.168	0.182	0.181	0.174			0.174	4.30
60)	HEPTANE											
		0.745	0.517	0.540	0.498	0.639	0.558	0.608	0.593	0.583	0.587	12.65
61)	TVHC as EQUIV HEPTANE											
		3.066	3.009	3.236	3.889	3.660	3.929	3.856	3.780		3.553	10.86
62)	METHYL METHACRYLATE											
		0.244	0.250	0.255	0.272	0.294	0.309	0.313	0.297		0.279	9.84
63)	METHYL ISOBUTYL KETONE											
		0.168	0.207	0.233	0.223	0.247	0.247	0.233			0.222	12.42
64)	cis-1,3-DICHLOROPROPENE											
		0.453	0.414	0.363	0.385	0.519	0.480	0.522	0.513	0.504	0.461	13.18
65)	TOLUENE											
		0.943	0.617	0.526	0.534	0.648	0.606	0.651	0.640	0.626	0.643	18.86
66)	trans-1,3-DICHLOROPROPENE											
		0.427	0.336	0.310	0.353	0.480	0.460	0.506	0.505	0.483	0.429	17.85
67)	1,1,2-TRICHLOROETHANE											
		0.322	0.271	0.242	0.262	0.322	0.302	0.327	0.321	0.314	0.298	10.57
68)	I CHLOROBENZENE-D5	-----ISTD-----										
69)	2-HEXANONE											
		0.410	0.497	0.559	0.542	0.585	0.561	0.568			0.532	11.34
70)	ETHYL METHACRYLATE											
		0.659	0.725	0.837	0.794	0.846	0.773	0.818			0.779	8.59
71)	TETRACHLOROETHYLENE											
		1.072	0.739	0.786	0.755	0.941	0.786	0.835	0.753	0.820	0.832	13.08
72)	DIBROMOCHLOROMETHANE											
		1.585	1.052	1.112	1.117	1.428	1.236	1.314	1.196	1.283	1.258	13.40
73)	1,2-DIBROMOETHANE											
		1.067	0.906	0.810	0.854	1.102	0.988	1.054	0.970	1.028	0.976	10.29
74)	OCTANE											
		1.988	1.206	1.236	1.211	1.593	1.352	1.449	1.302	1.413	1.417	17.57
75)	1,1,1,2-TETRACHLOROETHANE											
		0.896	0.673	0.715	0.743	0.946	0.827	0.873	0.787	0.853	0.812	11.05
76)	CHLOROBENZENE											
		2.030	1.298	1.267	1.272	1.603	1.397	1.476	1.335	1.444	1.458	16.52
77)	ETHYLBENZENE											
		3.922	2.485	2.072	2.133	2.537	2.285	2.394	2.131	2.334	2.477	22.82
78)	m,p-XYLENE											
		1.387	0.959	0.773	0.786	0.962	0.870	0.918	0.813	0.897	0.930	19.95
79)	o-XYLENE											
		1.334	0.861	0.780	0.756	0.935	0.841	0.892	0.792	0.869	0.896	19.42
80)	STYRENE											
		1.419	1.047	0.920	1.024	1.345	1.251	1.339	1.228	1.302	1.208	14.16
81)	NONANE											
		1.154	0.958	0.973	1.063	1.424	1.240	1.326	1.171	1.293	1.178	13.56
82)	BROMOFORM											
		1.306	0.871	0.940	0.966	1.225	1.087	1.164	1.042	1.126	1.081	13.05
83)	4-BROMOFLUOROBENZENE											

Initial Calibration Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICC1022
Lab FileID: 3W25890.D

		1.047	1.121	1.078	1.147	1.185	1.187	1.137	1.082	0.776	1.084	11.55
84)	1,1,2,2-TETRACHLOROETHANE	1.187	0.979	0.866	0.955	1.193	1.120	1.173	1.035	1.151	1.073	11.05
85)	1,2,3-TRICHLOROPROPANE	0.781	0.758	0.789	0.761	0.906	0.878	0.930	0.855	0.904	0.840	8.13
86)	ISOPROPYLBENZENE	2.467	1.918	1.817	2.023	2.547	2.375	2.475	2.209	2.433	2.251	12.02
87)	BROMOBENZENE	1.150	0.715	0.724	0.742	1.084	0.973	1.037	0.956	1.010	0.932	17.64
88)	2-CHLOROTOLUENE	0.391	0.379	0.448	0.602	0.548	0.579	0.534	0.566	0.506	0.506	17.28
89)	n-PROPYLBENZENE	0.397	0.453	0.615	0.594	0.624	0.544	0.614	0.549	0.549	0.549	16.40
90)	4-ETHYLTOLUENE	1.680	1.424	1.325	1.560	2.038	2.046	2.141	1.920	2.099	1.804	17.26
91)	1,3,5-TRIMETHYLBENZENE	1.166	1.067	1.257	1.617	1.661	1.702	1.444	1.654	1.446	1.446	17.39
92)	ALPHA-METHYLSTYRENE	0.309	0.422	0.718	0.735	0.782	0.735	0.762	0.638	0.638	0.638	29.79
93)	tert-BUTYLBENZENE	0.285	0.215	0.301	0.380	0.388	0.406	0.351	0.395	0.340	0.340	19.75
94)	1,2,4-TRIMETHYLBENZENE	1.358	0.974	0.856	1.096	1.443	1.505	1.549	1.210	1.521	1.279	20.04
95)	m-DICHLOROBENZENE	1.159	0.668	0.613	0.725	0.982	0.941	1.013	0.928	0.983	0.890	20.34
96)	BENZYL CHLORIDE	0.701	0.700	1.014	1.123	1.216	1.154	1.170	1.011	1.011	1.011	21.87
97)	p-DICHLOROBENZENE	0.967	0.745	0.605	0.651	0.945	0.923	0.986	0.900	0.950	0.853	17.05
98)	sec-BUTYLBENZENE	0.310	0.232	0.339	0.439	0.448	0.469	0.308	0.458	0.375	0.375	23.75
99)	p-ISOPROPYLTOLUENE	0.248	0.190	0.286	0.416	0.447	0.463	0.339	0.449	0.355	0.355	29.47
100)	o-DICHLOROBENZENE	0.863	0.646	0.540	0.593	0.838	0.817	0.876	0.832	0.842	0.761	17.04
101)	n-BUTYLBENZENE	0.126	0.182	0.299	0.342	0.367	0.350	0.352	0.288	0.288	0.288	33.21
102)	HEXACHLOROETHANE	0.459	0.371	0.387	0.391	0.643	0.584	0.628	0.582	0.608	0.517	21.88
103)	HEXACHLOROBUTADIENE	0.262	0.195	0.179	0.191	0.272	0.328	0.329	0.281	0.333	0.263	23.52
104)	1,2,4-TRICHLOROBENZENE	0.119	0.164	0.136	0.170	0.174	0.184	0.182	0.183	0.164	0.164	14.73
105)	I CHLOROBENZENE-D5 (a)	-----ISTD-----										
106)	NAPHTHALENE	0.248	0.195	0.297	0.293	0.301	0.300	0.303	0.277	0.277	0.277	14.75

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3W1022.M

Wed Jan 25 17:39:03 2012

MSW

Initial Calibration Verification

Page 1 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICV1022
Lab FileID: 3W25905.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1022\3W25905.D Vial: 3
Acq On : 24 Jan 2012 11:21 am Operator: yunxiac
Sample : ICV1022-10 Inst : MS3W
Misc : MS24487,V3W1022,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W1022.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Jan 24 11:01:04 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	111	0.00
2	FREON 115	0.000	0.000	0.0	0#	-3.98#
3	FREON 152A	2.127	0.897	57.8#	105	-0.01
4	CHLORODIFLUOROMETHANE	0.339	0.340	-0.3	102	0.00
5	DICHLORODIFLUOROMETHANE	3.372	3.329	1.3	102	0.00
6	PROPYLENE	1.171	1.161	0.9	106	0.00
7	FREON 114	3.801	3.330	12.4	90	-0.01
8	CHLOROMETHANE	1.363	1.341	1.6	109	0.00
9	VINYL CHLORIDE	1.390	1.454	-4.6	106	-0.01
10	1,3-BUTADIENE	1.044	1.083	-3.7	104	-0.01
11	n-BUTANE	2.208	2.203	0.2	106	-0.01
12	BROMOMETHANE	1.337	1.287	3.7	100	0.00
13	CHLOROETHANE	0.729	0.764	-4.8	106	-0.01
14	DICHLOROFLUOROMETHANE	2.963	0.000	100.0#	0#	-4.78#
15	ACETONITRILE	1.012	0.000	100.0#	0#	-4.96#
16	FREON 123	3.112	3.137	-0.8	103	-0.01
17	FREON 123A	1.757	1.788	-1.8	102	0.00
18	TRICHLOROFLUOROMETHANE	3.166	3.121	1.4	99	-0.01
19	ISOPROPYL ALCOHOL	2.235	1.996	10.7	95	0.00
20	ACETONE	0.559	0.528	5.5	96	0.00
21	PENTANE	1.464	1.481	-1.2	105	0.00
22 H	TVHC as EQUIV PENTANE	8.279	6.825	17.6	79	-0.01
23	IODOMETHANE	3.517	3.494	0.7	100	0.00
24	1,1-DICHLOROETHYLENE	1.278	1.250	2.2	98	0.00
25	CARBON DISULFIDE	3.275	2.738	16.4	89	-0.01
26	ETHANOL	0.549	0.475	13.5	94	0.00
27	BROMOETHENE	1.295	1.326	-2.4	102	0.00
28	ACRYLONITRILE	0.721	0.000	100.0#	0#	-5.41#
29	METHYLENE CHLORIDE	1.243	1.175	5.5	102	-0.01
30	3-CHLOROPROPENE	0.607	0.613	-1.0	101	0.00
31	FREON 113	2.180	2.112	3.1	97	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.177	1.137	3.4	94	0.00
33	TERTIARY BUTYL ALCOHOL	2.612	2.392	8.4	93	0.00
34	METHYL TERTIARY BUTYL ETHER	3.058	2.915	4.7	89	0.00
35	TETRAHYDROFURAN	0.526	0.518	1.5	91	0.00
36	HEXANE	1.935	2.013	-4.0	102	0.00
37	VINYL ACETATE	0.266	0.273	-2.6	95	-0.01
38	1,1-DICHLOROETHANE	2.336	2.405	-3.0	102	-0.01
39	METHYL ETHYL KETONE	0.523	0.490	6.3	91	0.00
40	cis-1,2-DICHLOROETHYLENE	1.280	1.359	-6.2	103	0.00
41	DIISOPROPYL ETHER	3.646	3.642	0.1	92	0.00
42	ETHYL ACETATE	0.336	0.300	10.7	84	0.00

Initial Calibration Verification

Job Number: JB2710
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICV1022
 Lab FileID: 3W25905.D

43	METHYL ACRYLATE	1.861	0.000	100.0#	0#	-7.34#
44	CHLOROFORM	2.557	2.649	-3.6	105	0.00
45	2,4-DIMETHYLPENTANE	2.430	2.553	-5.1	105	0.00
46	1,1,1-TRICHLOROETHANE	2.486	2.551	-2.6	102	0.00
47	CARBON TETRACHLORIDE	2.671	2.760	-3.3	102	0.00
48	1,2-DICHLOROETHANE	1.460	1.534	-5.1	103	0.00
49 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	101	0.00
50	BENZENE	0.965	0.927	3.9	102	0.00
51	CYCLOHEXANE	0.478	0.508	-6.3	103	0.00
52	2,3-DIMETHYLPENTANE	0.232	0.221	4.7	104	0.00
53	TRICHLOROETHYLENE	0.394	0.401	-1.8	105	0.00
54	1,2-DICHLOROPROPANE	0.350	0.354	-1.1	104	0.00
55	DIBROMOMETHANE	0.367	0.000	100.0#	0#	-9.41#
56	ETHYL ACRYLATE	0.543	0.000	100.0#	0#	-9.41#
57	BROMODICHLOROMETHANE	0.648	0.637	1.7	101	0.00
58	2,2,4-TRIMETHYLPENTANE	1.515	1.531	-1.1	104	0.00
59	1,4-DIOXANE	0.174	0.151	13.2	90	0.00
60	HEPTANE	0.587	0.587	0.0	106	0.00
61 H	TVHC as EQUIV HEPTANE	3.553	3.603	-1.4	99	0.00
62	METHYL METHACRYLATE	0.279	0.262	6.1	90	0.00
63	METHYL ISOBUTYL KETONE	0.222	0.211	5.0	95	0.00
64	cis-1,3-DICHLOROPROPENE	0.461	0.494	-7.2	104	0.00
65	TOLUENE	0.643	0.612	4.8	102	0.00
66	trans-1,3-DICHLOROPROPENE	0.429	0.470	-9.6	103	0.00
67	1,1,2-TRICHLOROETHANE	0.298	0.305	-2.3	102	0.00
68 I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00
69	2-HEXANONE	0.532	0.492	7.5	90	0.00
70	ETHYL METHACRYLATE	0.779	0.000	100.0#	0#	-11.71#
71	TETRACHLOROETHYLENE	0.832	0.823	1.1	104	0.00
72	DIBROMOCHLOROMETHANE	1.258	1.258	0.0	101	0.00
73	1,2-DIBROMOETHANE	0.976	1.024	-4.9	103	0.00
74	OCTANE	1.417	1.433	-1.1	105	0.00
75	1,1,1,2-TETRACHLOROETHANE	0.812	0.833	-2.6	100	0.00
76	CHLOROBENZENE	1.458	1.460	-0.1	104	0.00
77	ETHYLBENZENE	2.477	2.359	4.8	103	0.00
78	m,p-XYLENE	0.930	0.894	3.9	102	0.00
79	o-XYLENE	0.896	0.876	2.2	103	0.00
80	STYRENE	1.208	1.297	-7.4	103	0.00
81	NONANE	1.178	1.336	-13.4	107	0.00
82	BROMOFORM	1.081	1.120	-3.6	102	0.00
83 S	4-BROMOFLUOROBENZENE	1.084	1.180	-8.9	99	0.00
84	1,1,2,2-TETRACHLOROETHANE	1.073	1.170	-9.0	104	0.00
85	1,2,3-TRICHLOROPROPANE	0.840	0.898	-6.9	102	0.00
86	ISOPROPYLBENZENE	2.251	2.432	-8.0	102	0.00
87	BROMOBENZENE	0.932	0.000	100.0#	0#	-15.15#
88	2-CHLOROTOLUENE	0.506	0.577	-14.0	105	0.00
89	n-PROPYLBENZENE	0.549	0.610	-11.1	102	0.00
90	4-ETHYLTOLUENE	1.804	2.091	-15.9	102	0.00
91	1,3,5-TRIMETHYLBENZENE	1.446	1.700	-17.6	102	0.00
92	ALPHA-METHYLSTYRENE	0.638	0.000	100.0#	0#	-16.12#
93	tert-BUTYLBENZENE	0.340	0.388	-14.1	99	0.00
94	1,2,4-TRIMETHYLBENZENE	1.279	1.536	-20.1	101	0.00
95	m-DICHLOROBENZENE	0.890	1.030	-15.7	109	0.00
96	BENZYL CHLORIDE	1.011	1.133	-12.1	100	0.00
97	p-DICHLOROBENZENE	0.853	0.992	-16.3	107	0.00
98	sec-BUTYLBENZENE	0.375	0.456	-21.6	101	0.00
99	p-ISOPROPYLTOLUENE	0.355	0.451	-27.0	100	0.00
100	o-DICHLOROBENZENE	0.761	0.884	-16.2	108	0.00

5.9.2

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Initial Calibration Verification

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1022-ICV1022
Lab FileID: 3W25905.D

101	n-BUTYLBENZENE	0.288	0.351	-21.9	102	0.00
102	HEXACHLOROETHANE	0.517	0.000	100.0#	0#	-17.91#
103	HEXACHLOROBUTADIENE	0.263	0.394	-49.8#	120	0.00
104	1,2,4-TRICHLOROBENZENE	0.164	0.170	-3.7	97	0.00
105 I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	99	0.00
106	NAPHTHALENE	0.277	0.000	100.0#	0#	-19.30#

(#) = Out of Range
3W25890.D M3W1022.M

SPCC's out = 0 CCC's out = 0
Wed Jan 25 17:39:02 2012 MSW

5.9.2

5

Continuing Calibration Summary

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1058-CC1022
Lab FileID: 3W26945.D

Page 1 of 3

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V3W1058\3W26945.D Vial: 2
Acq On : 16 Mar 2012 9:14 am Operator: yunxiac
Sample : cc1022-10 Inst : MS3W
Misc : MS26609,V3W1058,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W1022.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Jan 24 11:01:04 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	111	0.00	7.31
2	FREON 115			-----NA-----			
3	FREON 152A			-----NA-----			
4	CHLORODIFLUOROMETHANE	0.339	0.328	3.2	98	0.00	4.09
5	DICHLORODIFLUOROMETHANE	3.372	3.358	0.4	102	0.00	4.16
6	PROPYLENE	1.171	1.139	2.7	103	0.00	4.11
7	FREON 114	3.801	3.815	-0.4	103	0.00	4.31
8	CHLOROMETHANE	1.363	1.310	3.9	106	0.01	4.26
9	VINYL CHLORIDE	1.390	1.440	-3.6	104	0.00	4.39
10	1,3-BUTADIENE	1.044	1.087	-4.1	104	0.00	4.47
11	n-BUTANE	2.208	2.284	-3.4	110	0.00	4.49
12	BROMOMETHANE	1.337	1.339	-0.1	104	0.01	4.64
13	CHLOROETHANE	0.729	0.747	-2.5	103	0.00	4.73
14	DICHLOROFLUOROMETHANE	2.963	3.120	-5.3	107	0.00	4.78
15	ACETONITRILE	1.012	1.167	-15.3	122	0.00	4.97
16	FREON 123	3.112	3.225	-3.6	106	0.00	5.01
17	FREON 123A	1.757	1.887	-7.4	107	0.00	5.05
18	TRICHLOROFLUOROMETHANE	3.166	3.635	-14.8	116	0.00	5.20
19	ISOPROPYL ALCOHOL	2.235	2.209	1.2	105	0.00	5.26
20	ACETONE	0.559	0.535	4.3	97	0.00	5.10
21	PENTANE	1.464	1.615	-10.3	115	0.00	5.38
22 H	TVHC as EQUIV PENTANE	8.279	9.581	-15.7	111	0.00	5.38
23	IODOMETHANE	3.517	3.740	-6.3	106	0.00	5.57
24	1,1-DICHLOROETHYLENE	1.278	1.320	-3.3	104	0.00	5.61
25	CARBON DISULFIDE	3.275	3.351	-2.3	108	0.00	5.91
26	ETHANOL	0.549	0.573	-4.4	114	0.01	4.82
27	BROMOETHENE	1.295	1.375	-6.2	105	0.00	4.95
28	ACRYLONITRILE	0.721	0.824	-14.3	109	0.00	5.41
29	METHYLENE CHLORIDE	1.243	1.191	4.2	103	0.00	5.70
30	3-CHLOROPROPENE	0.607	0.630	-3.8	103	0.00	5.77
31	FREON 113	2.180	2.344	-7.5	107	0.00	5.85
32	TRANS-1,2-DICHLOROETHYLEN	1.177	1.184	-0.6	98	0.00	6.33
33	TERTIARY BUTYL ALCOHOL	2.612	2.656	-1.7	103	0.00	5.63
34	METHYL TERTIARY BUTYL ETH	3.058	2.747	10.2	84	0.00	6.50
35	TETRAHYDROFURAN	0.526	0.466	11.4	81	0.00	7.73
36	HEXANE	1.935	1.931	0.2	98	-0.01	7.23
37	VINYL ACETATE	0.266	0.246	7.5	86	0.00	6.60
38	1,1-DICHLOROETHANE	2.336	2.407	-3.0	102	0.00	6.50
39	METHYL ETHYL KETONE	0.523	0.482	7.8	89	0.00	6.79
40	cis-1,2-DICHLOROETHYLENE	1.280	1.291	-0.9	98	0.00	7.19
41	DIISOPROPYL ETHER	3.646	3.435	5.8	87	0.00	7.25
42	ETHYL ACETATE	0.336	0.313	6.8	87	0.00	7.32

Continuing Calibration Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1058-CC1022
Lab FileID: 3W26945.D

43		METHYL ACRYLATE	1.861	1.843	1.0	90	0.00	7.34
44		CHLOROFORM	2.557	2.693	-5.3	106	0.00	7.40
45		2,4-DIMETHYLPENTANE	2.430	2.401	1.2	98	0.00	7.98
46		1,1,1-TRICHLOROETHANE	2.486	2.696	-8.4	107	0.00	8.24
47		CARBON TETRACHLORIDE	2.671	2.978	-11.5	110	-0.01	8.79
48		1,2-DICHLOROETHANE	1.460	1.649	-12.9	110	0.00	8.02
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	-0.01	8.99
50		BENZENE	0.965	0.873	9.5	95	-0.01	8.66
51		CYCLOHEXANE	0.478	0.476	0.4	95	-0.01	8.83
52		2,3-DIMETHYLPENTANE	0.232	0.198	14.7	92	-0.01	9.02
53		TRICHLOROETHYLENE	0.394	0.396	-0.5	103	-0.01	9.62
54		1,2-DICHLOROPROPANE	0.350	0.337	3.7	97	-0.01	9.37
55		DIBROMOMETHANE	0.367	0.372	-1.4	104	-0.01	9.40
56		ETHYL ACRYLATE	0.543	0.509	6.3	90	-0.01	9.40
57		BROMODICHLOROMETHANE	0.648	0.670	-3.4	104	-0.01	9.59
58		2,2,4-TRIMETHYLPENTANE	1.515	1.490	1.7	99	-0.01	9.55
59		1,4-DIOXANE	0.174	0.160	8.0	94	-0.01	9.65
60		HEPTANE	0.587	0.616	-4.9	109	-0.02	9.81
61	H	TVHC as EQUIV HEPTANE	3.553	3.603	-1.4	98	-0.01	9.81
62		METHYL METHACRYLATE	0.279	0.246	11.8	83	-0.01	9.83
63		METHYL ISOBUTYL KETONE	0.222	0.205	7.7	91	-0.01	10.45
64		cis-1,3-DICHLOROPROPENE	0.461	0.472	-2.4	98	-0.01	10.46
65		TOLUENE	0.643	0.559	13.1	91	-0.01	11.41
66		trans-1,3-DICHLOROPROPENE	0.429	0.455	-6.1	98	-0.01	10.98
67		1,1,2-TRICHLOROETHANE	0.298	0.290	2.7	95	-0.01	11.14
68	I	CHLOROBENZENE-D5	1.000	1.000	0.0	94	-0.02	13.23
69		2-HEXANONE	0.532	0.525	1.3	91	-0.01	11.66
70		ETHYL METHACRYLATE	0.779	0.805	-3.3	95	-0.01	11.70
71		TETRACHLOROETHYLENE	0.832	0.851	-2.3	101	-0.02	12.55
72		DIBROMOCHLOROMETHANE	1.258	1.363	-8.3	103	-0.02	11.85
73		1,2-DIBROMOETHANE	0.976	0.999	-2.4	95	-0.02	12.06
74		OCTANE	1.417	1.488	-5.0	103	-0.02	12.34
75		1,1,1,2-TETRACHLOROETHANE	0.812	0.863	-6.3	98	-0.02	13.26
76		CHLOROBENZENE	1.458	1.411	3.2	95	-0.02	13.28
77		ETHYLBENZENE	2.477	2.219	10.4	91	-0.02	13.66
78		m,p-XYLENE	0.930	0.853	8.3	92	-0.02	13.85
79		o-XYLENE	0.896	0.838	6.5	93	-0.02	14.36
80		STYRENE	1.208	1.178	2.5	88	-0.02	14.26
81		NONANE	1.178	1.381	-17.2	104	-0.02	14.55
82		BROMOFORM	1.081	1.211	-12.0	104	-0.02	13.95
83	S	4-BROMOFLUOROBENZENE	1.084	1.143	-5.4	90	-0.02	14.89
84		1,1,2,2-TETRACHLOROETHANE	1.073	1.090	-1.6	91	-0.02	14.38
85		1,2,3-TRICHLOROPROPANE	0.840	0.884	-5.2	94	-0.02	14.51
86		ISOPROPYLBENZENE	2.251	2.266	-0.7	89	-0.02	15.01
87		BROMOBENZENE	0.932	1.054	-13.1	101	-0.02	15.13
88		2-CHLOROTOLUENE	0.506	0.539	-6.5	92	-0.01	15.58
89		n-PROPYLBENZENE	0.549	0.558	-1.6	88	-0.02	15.60
90		4-ETHYLTOLUENE	1.804	1.892	-4.9	87	-0.02	15.78
91		1,3,5-TRIMETHYLBENZENE	1.446	1.574	-8.9	89	-0.02	15.88
92		ALPHA-METHYLSTYRENE	0.638	0.696	-9.1	89	-0.02	16.10
93		tert-BUTYLBENZENE	0.340	0.343	-0.9	83	-0.02	16.37
94		1,2,4-TRIMETHYLBENZENE	1.279	1.390	-8.7	86	-0.02	16.38
95		m-DICHLOROBENZENE	0.890	1.016	-14.2	101	-0.02	16.57
96		BENZYL CHLORIDE	1.011	1.070	-5.8	89	-0.02	16.57
97		p-DICHLOROBENZENE	0.853	0.987	-15.7	100	-0.02	16.66
98		sec-BUTYLBENZENE	0.375	0.407	-8.5	85	-0.02	16.70
99		p-ISOPROPYLTOLUENE	0.355	0.431	-21.4	90	-0.02	16.89
100		o-DICHLOROBENZENE	0.761	0.863	-13.4	99	-0.01	17.09

5.9.3

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Continuing Calibration Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1058-CC1022
Lab FileID: 3W26945.D

101	n-BUTYLBENZENE	0.288	0.324	-12.5	89	-0.02	17.41
102	HEXACHLOROETHANE	0.517	0.724	-40.0#	116	-0.01	17.90
103	HEXACHLOROBUTADIENE	0.263	0.427	-62.4#	122	-0.01	19.71
104	1,2,4-TRICHLOROBENZENE	0.164	0.213	-29.9	115	-0.01	19.15
105 I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	94	-0.02	13.23
106	NAPHTHALENE	0.277	0.323	-16.6	103	-0.02	19.28

(#) = Out of Range
3W25890.D M3W1022.M

SPCC's out = 0 CCC's out = 0
Mon Mar 19 09:30:06 2012 MS3W

Initial Calibration Summary

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Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1065-ICC1065
Lab FileID: 3W27167.D

Response Factor Report MS3W

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration

Calibration Files

0.04=3W27171.D 0.1 =3W27170.D 0.2 =3W27175.D 0.5 =3W27178.D
 5 =3W27165.D 10 =3W27167.D 20 =3W27168.D 40 =3W27172.D

Compound	0.04	0.1	0.2	0.5	5	10	20	40	Avg %RSD
1) I BROMOCHLOROMETHANE	-----ISTD-----								
2) FREON 115								0.000	-1.00
3) FREON 152A								0.000	-1.00
4) CHLORODIFLUO			0.593	0.434	0.373	0.369	0.313	0.367	0.408
5) DICHLORODIFL	3.662	3.977	4.137	3.959	3.703	3.573	2.967	3.421	3.675
6) PROPYLENE			1.768	1.536	1.380	1.350	1.134	1.330	1.417
7) FREON 114	3.969	4.332	4.466	4.415	4.246	4.055	3.359	3.751	4.074
8) CHLOROMETHAN			2.177	2.060	1.523	1.504	1.277	1.543	1.681
9) VINYL CHLORI	1.372	1.540	1.839	1.754	1.679	1.654	1.405	1.660	1.613
10) 1,3-BUTADIEN	1.591	1.354	1.344	1.294	1.296	1.277	1.085	1.266	1.313
11) n-BUTANE			2.672	2.779	2.677	2.549	2.149	2.451	2.546
12) BROMOMETHANE	1.482	1.518	1.573	1.593	1.488	1.443	1.224	1.419	1.467
13) CHLOROETHANE		0.972	0.929	0.887	0.889	0.877	0.744	0.878	0.882
14) DICHLOROFLUO	3.667	3.601	3.874	3.407	3.482	3.372	2.810	3.199	3.426
15) ACETONITRILE	1.393	1.571	1.349	1.282	1.386	1.410	1.169	1.396	1.370
16) FREON 123	3.255	3.634	3.917	3.534	3.552	3.453	2.831	3.197	3.422
17) FREON 123A	1.565	1.876	2.110	1.901	1.943	1.905	1.578	1.829	1.838
18) TRICHLOROFLU	3.210	3.373	3.748	3.571	3.481	3.383	2.839	3.207	3.352
19) ISOPROPYL AL			3.059	2.956	2.661	2.878	2.309	2.778	2.774
20) ACETONE			0.904	0.770	0.703	0.736	0.600	0.724	0.739
21) PENTANE			2.040	1.840	1.848	1.792	1.503	1.703	1.788
22) TVHC as EQUI			1.374	1.042	1.109	1.103	0.919	1.063	1.102
23) IODOMETHANE	3.172	3.725	3.903	3.677	3.855	3.750	3.128	3.570	3.598
24) 1,1-DICHLORO	1.372	1.544	1.588	1.417	1.464	1.421	1.190	1.380	1.422
25) CARBON DISUL	3.675	3.964	3.955	3.775	3.793	3.770	3.118	3.578	3.703
26) ETHANOL				0.901	0.726	0.764	0.630	0.751	0.754
27) BROMOETHENE	1.335	1.368	1.524	1.484	1.470	1.451	1.217	1.414	1.408
28) ACRYLONITRIL		0.975	0.975	0.886	1.017	1.034	0.857	1.017	0.966
29) METHYLENE CH			1.769	1.469	1.373	1.331	1.114	1.299	1.392
30) 3-CHLOROPROP	0.626	0.646	0.673	0.666	0.728	0.720	0.611	0.722	0.674
31) FREON 113	1.862	2.276	2.513	2.240	2.343	2.282	1.888	2.146	2.194
32) TRANS-1,2-DI	1.121	1.313	1.423	1.325	1.424	1.411	1.179	1.382	1.322
33) TERTIARY BUT	2.905	3.283	3.376	3.185	3.082	3.264	2.585	2.766	3.056
34) METHYL TERTI	3.961	3.982	3.654	3.582	3.824	4.110	3.328	3.983	3.803
35) TETRAHYDROFU		0.596	0.594	0.604	0.704	0.765	0.620	0.777	0.666
36) HEXANE	2.602	2.623	2.777	2.321	2.571	2.487	2.053	2.355	2.474
37) VINYL ACETAT			0.240	0.279	0.348	0.355	0.292	0.362	0.312
38) 1,1-DICHLORO	2.431	2.661	2.955	2.684	2.993	2.895	2.395	2.733	2.718
39) METHYL ETHYL	0.457	0.631	0.656	0.654	0.661	0.744	0.602	0.770	0.647
40) cis-1,2-DICH	1.412	1.431	1.537	1.403	1.583	1.546	1.306	1.528	1.468
41) DIISOPROPYL	5.199	5.270	5.009	4.696	4.989	5.400	4.305	5.042	4.989
42) ETHYL ACETAT		0.369	0.376	0.412	0.440	0.492	0.403	0.506	0.428
43) METHYL ACRYL	2.621	2.719	2.387	2.254	2.681	2.802	2.285	2.753	2.563
44) CHLOROFORM	2.832	2.911	3.096	2.828	3.045	2.997	2.486	2.884	2.885
45) 2,4-DIMETHYL	2.886	3.320	3.276	2.914	3.149	3.119	2.570	2.973	3.026
46) 1,1,1-TRICHL	2.426	2.733	2.954	2.711	2.953	2.874	2.396	2.793	2.730

Initial Calibration Summary

Job Number: JB2710
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3W1065-ICC1065
 Lab FileID: 3W27167.D

47)	CARBON TETRA	2.437	2.790	3.037	2.870	3.091	3.039	2.511	2.900	2.834	8.64
48)	1,2-DICHLORO	1.297	1.582	1.878	1.661	1.906	1.885	1.561	1.855	1.703	12.73
49)	I 1,4-DIFLUOROBENZENE	-----ISTD-----									
50)	BENZENE	1.273	1.107	1.114	0.969	1.016	0.991	0.836	0.977	1.035	12.51
51)	CYCLOHEXANE	0.415	0.392	0.460	0.513	0.520	0.504	0.432	0.509	0.468	10.72
52)	2,3-DIMETHYL			0.331	0.250	0.235	0.228	0.192	0.228	0.244	19.08
53)	TRICHLOROETH	0.396	0.396	0.429	0.401	0.409	0.397	0.335	0.395	0.395	6.76
54)	1,2-DICHLORO	0.362	0.355	0.412	0.366	0.403	0.395	0.331	0.393	0.377	7.36
55)	DIBROMOMETHA	0.332	0.369	0.364	0.319	0.354	0.346	0.287	0.339	0.339	7.77
56)	ETHYL ACRYLA	0.596	0.714	0.615	0.584	0.619	0.705	0.575	0.725	0.642	9.70
57)	BROMODICHLOR	0.562	0.684	0.720	0.621	0.689	0.668	0.558	0.653	0.644	9.21
58)	2,2,4-TRIMET	1.724	1.638	1.856	1.627	1.704	1.662	1.392	1.579	1.647	8.05
59)	1,4-DIOXANE			0.157	0.175	0.175	0.188	0.155	0.203	0.176	10.47
60)	HEPTANE			0.786	0.673	0.674	0.659	0.546	0.627	0.661	11.82
61)	TVHC as EQUI			4.447	3.925	4.125	4.214	3.498	4.164	4.062	7.96
62)	METHYL METHA	0.280	0.334	0.307	0.289	0.319	0.350	0.286	0.361	0.316	9.61
63)	METHYL ISOBU		0.220	0.238	0.244	0.250	0.279	0.226	0.290	0.250	10.55
64)	cis-1,3-DICH	0.442	0.495	0.498	0.470	0.550	0.548	0.456	0.547	0.501	8.69
65)	TOLUENE		0.699	0.698	0.602	0.682	0.669	0.559	0.672	0.654	8.16
66)	trans-1,3-DI	0.355	0.458	0.430	0.424	0.533	0.541	0.456	0.557	0.469	14.81
67)	1,1,2-TRICHL	0.226	0.303	0.333	0.296	0.337	0.339	0.279	0.339	0.307	12.98
68)	I CHLOROBENZENE-D5	-----ISTD-----									
69)	2-HEXANONE		0.502	0.501	0.555	0.593	0.672	0.558	0.649	0.576	11.60
70)	ETHYL METHAC	0.771	0.896	0.817	0.822	0.862	0.934	0.747	0.888	0.842	7.66
71)	TETRACHLORO	0.763	0.730	0.819	0.732	0.792	0.751	0.616	0.666	0.734	8.96
72)	DIBROMOCHLOR	1.058	1.110	1.167	1.113	1.276	1.227	1.010	1.123	1.136	7.62
73)	1,2-DIBROMOE	0.866	0.958	0.963	0.902	1.067	1.027	0.853	0.954	0.949	7.83
74)	OCTANE			1.820	1.586	1.703	1.597	1.305	1.378	1.565	12.39
75)	1,1,1,2-TETR	0.603	0.784	0.772	0.733	0.842	0.816	0.670	0.743	0.745	10.46
76)	CHLOROBENZEN	1.228	1.439	1.475	1.329	1.538	1.471	1.203	1.310	1.374	9.01
77)	ETHYLBENZENE		2.917	2.575	2.408	2.591	2.495	2.023	2.202	2.459	11.75
78)	m,p-XYLENE		1.097	0.968	0.877	0.978	0.943	0.767	0.843	0.925	11.57
79)	o-XYLENE		1.035	0.934	0.825	0.935	0.913	0.746	0.831	0.889	10.66
80)	STYRENE	1.323	1.243	1.147	1.063	1.385	1.376	1.137	1.324	1.250	9.73
81)	NONANE	1.848	1.666	1.609	1.394	1.618	1.553	1.249	1.320	1.532	12.96
82)	BROMOFORM	0.845	0.853	0.904	0.862	1.085	1.066	0.889	0.996	0.938	10.42
83)	4-BROMOFLUOR	1.128	1.102	1.097	1.123	1.157	1.170	1.151	1.080	1.126	2.82
84)	1,1,2,2-TETR	0.985	1.085	1.000	1.005	1.265	1.233	1.005	1.123	1.088	10.17
85)	1,2,3-TRICHL	0.812	0.824	0.824	0.823	1.000	1.003	0.826	0.925	0.880	9.48
86)	ISOPROPYLBEN	2.124	2.249	2.243	2.195	2.614	2.575	2.073	2.244	2.290	8.67
87)	BROMOBENZENE	0.843	0.950	0.955	0.880	1.142	1.131	0.934	1.033	0.984	11.16
88)	2-CHLOROTOLU		0.463	0.476	0.457	0.594	0.581	0.484	0.540	0.514	11.20
89)	n-PROPYLBENZ		0.486	0.488	0.514	0.646	0.646	0.527	0.594	0.557	12.63
90)	4-ETHYLTOLUE		1.715	1.744	1.768	2.264	2.274	1.861	2.063	1.956	12.43
91)	1,3,5-TRIMET		1.501	1.427	1.443	1.838	1.854	1.502	1.682	1.607	11.41
92)	ALPHA-METHYL			0.379	0.454	0.790	0.809	0.677	0.809	0.653	29.28
93)	tert-BUTYLBE		0.296	0.327	0.287	0.405	0.410	0.337	0.390	0.350	14.66
94)	1,2,4-TRIMET		1.218	1.159	1.233	1.657	1.689	1.382	1.563	1.414	15.67
95)	m-DICHLOROB	0.742	0.748	0.674	0.747	0.981	1.006	0.852	0.997	0.843	15.96
96)	BENZYL CHLOR		0.831	0.689	0.788	1.150	1.306	1.119	1.376	1.037	25.88
97)	p-DICHLOROB		0.720	0.686	0.710	0.968	0.984	0.840	0.989	0.842	16.40
98)	sec-BUTYLBEN		0.342	0.334	0.357	0.474	0.481	0.399	0.477	0.409	16.34
99)	p-ISOPROPYLT		0.275	0.258	0.318	0.467	0.491	0.411	0.489	0.387	26.32
100)	o-DICHLOROB		0.593	0.543	0.643	0.854	0.884	0.753	0.903	0.739	19.92
101)	n-BUTYLBENZE			0.173	0.211	0.348	0.403	0.343	0.414	0.315	31.81
102)	HEXACHLOROET		0.429	0.412	0.399	0.669	0.662	0.555	0.624	0.535	22.52
103)	HEXACHLOROB		0.256	0.189	0.222	0.394	0.454	0.377	0.368	0.323	30.87
104)	1,2,4-TRICHL		0.145	0.142	0.183	0.172	0.223	0.223	0.250	0.191	21.85

5.9.4

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Initial Calibration Summary

Page 3 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1065-ICC1065
Lab FileID: 3W27167.D

105) I	CHLOROBENZENE-D5 (a)	-----ISTD-----	
106) NAPHTHALENE	0.182 0.134 0.167 0.285 0.353 0.344 0.387 0.265		38.76

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3W1065.M

Wed Mar 28 14:47:07 2012

VOA-CLN-04

5.9.4

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Initial Calibration Verification

Page 1 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1066-ICV1065
Lab FileID: 3W27181.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3W...1066partial\3W27181.D Vial: 3
Acq On : 28 Mar 2012 10:26 am Operator: yunxiac
Sample : ICV1065-10 Inst : MS3W
Misc : MS23473,V3W1066,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	117	0.00	7.31
2	FREON 115			-----NA-----			
3	FREON 152A			-----NA-----			
4	CHLORODIFLUOROMETHANE	0.408	0.411	-0.7	131	0.00	4.10
5	DICHLORODIFLUOROMETHANE	3.675	3.980	-8.3	131	0.00	4.16
6	PROPYLENE	1.417	1.493	-5.4	130	0.00	4.11
7	FREON 114	4.074	3.992	2.0	115	0.00	4.31
8	CHLOROMETHANE	1.681	1.740	-3.5	136	0.00	4.26
9	VINYL CHLORIDE	1.613	1.872	-16.1	133	0.00	4.39
10	1,3-BUTADIENE	1.313	1.409	-7.3	129	0.00	4.46
11	n-BUTANE	2.546	2.863	-12.5	132	0.00	4.49
12	BROMOMETHANE	1.467	1.591	-8.5	129	0.00	4.64
13	CHLOROETHANE	0.882	0.979	-11.0	131	0.00	4.73
14	DICHLOROFLUOROMETHANE			-----NA-----			
15	ACETONITRILE			-----NA-----			
16	FREON 123	3.422	3.798	-11.0	129	0.00	5.01
17	FREON 123A	1.838	2.109	-14.7	130	0.00	5.05
18	TRICHLOROFLUOROMETHANE	3.352	3.735	-11.4	130	0.00	5.20
19	ISOPROPYL ALCOHOL	2.774	2.877	-3.7	117	0.00	5.25
20	ACETONE	0.739	0.735	0.5	117	0.00	5.09
21	PENTANE	1.788	1.961	-9.7	128	0.00	5.38
22 H	TVHC as EQUIV PENTANE	11.017	8.875	19.4	94	0.00	5.38
23	IODOMETHANE	3.598	4.054	-12.7	127	0.00	5.57
24	1,1-DICHLOROETHYLENE	1.422	1.527	-7.4	126	0.00	5.61
25	CARBON DISULFIDE	3.703	3.473	6.2	108	0.00	5.90
26	ETHANOL	0.754	0.751	0.4	115	0.00	4.82
27	BROMOETHENE	1.408	1.605	-14.0	130	0.00	4.94
28	ACRYLONITRILE			-----NA-----			
29	METHYLENE CHLORIDE	1.392	1.428	-2.6	126	0.00	5.70
30	3-CHLOROPROPENE	0.674	0.778	-15.4	127	0.00	5.76
31	FREON 113	2.194	2.425	-10.5	125	0.00	5.85
32	TRANS-1,2-DICHLOROETHYLEN	1.322	1.384	-4.7	115	0.00	6.33
33	TERTIARY BUTYL ALCOHOL	3.056	3.330	-9.0	120	0.00	5.63
34	METHYL TERTIARY BUTYL ETH	3.803	3.962	-4.2	113	0.00	6.50
35	TETRAHYDROFURAN	0.666	0.733	-10.1	112	0.00	7.72
36	HEXANE	2.474	2.618	-5.8	123	0.00	7.23
37	VINYL ACETATE	0.312	0.359	-15.1	119	0.00	6.60
38	1,1-DICHLOROETHANE	2.718	3.116	-14.6	126	0.00	6.49
39	METHYL ETHYL KETONE	0.647	0.702	-8.5	111	0.00	6.78
40	cis-1,2-DICHLOROETHYLENE	1.468	1.667	-13.6	126	0.00	7.19
41	DIISOPROPYL ETHER	4.989	5.202	-4.3	113	0.00	7.25
42	ETHYL ACETATE	0.428	0.447	-4.4	107	0.00	7.31

Initial Calibration Verification

Job Number: JB2710
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3W1066-ICV1065
 Lab FileID: 3W27181.D

43	METHYL ACRYLATE			-----NA-----			
44	CHLOROFORM	2.885	3.247	-12.5	127	0.00	7.40
45	2,4-DIMETHYLPENTANE	3.026	3.312	-9.5	125	0.00	7.97
46	1,1,1-TRICHLOROETHANE	2.730	3.097	-13.4	126	0.00	8.23
47	CARBON TETRACHLORIDE	2.834	3.298	-16.4	127	0.00	8.79
48	1,2-DICHLOROETHANE	1.703	2.007	-17.9	125	0.00	8.01
49 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	111	0.00	8.98
50	BENZENE	1.035	1.099	-6.2	123	0.00	8.65
51	CYCLOHEXANE	0.468	0.576	-23.1	127	0.00	8.83
52	2,3-DIMETHYLPENTANE	0.244	0.255	-4.5	124	0.00	9.02
53	TRICHLOROETHYLENE	0.395	0.451	-14.2	126	0.00	9.61
54	1,2-DICHLOROPROPANE	0.377	0.444	-17.8	125	0.00	9.36
55	DIBROMOMETHANE			-----NA-----			
56	ETHYL ACRYLATE			-----NA-----			
57	BROMODICHLOROMETHANE	0.644	0.731	-13.5	122	0.00	9.59
58	2,2,4-TRIMETHYLPENTANE	1.647	1.866	-13.3	125	0.00	9.55
59	1,4-DIOXANE	0.176	0.200	-13.6	118	0.00	9.66
60	HEPTANE	0.661	0.730	-10.4	123	0.00	9.81
61 H	TVHC as EQUIV HEPTANE	4.062	4.472	-10.1	118	0.00	9.81
62	METHYL METHACRYLATE	0.316	0.343	-8.5	109	0.00	9.82
63	METHYL ISOBUTYL KETONE	0.250	0.295	-18.0	117	0.00	10.44
64	cis-1,3-DICHLOROPROPENE	0.501	0.598	-19.4	121	0.00	10.46
65	TOLUENE	0.654	0.737	-12.7	123	0.00	11.40
66	trans-1,3-DICHLOROPROPENE	0.469	0.581	-23.9	119	0.00	10.98
67	1,1,2-TRICHLOROETHANE	0.307	0.364	-18.6	120	0.00	11.13
68 I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	13.23
69	2-HEXANONE	0.576	0.676	-17.4	110	0.00	11.66
70	ETHYL METHACRYLATE			-----NA-----			
71	TETRACHLOROETHYLENE	0.734	0.850	-15.8	123	0.00	12.55
72	DIBROMOCHLOROMETHANE	1.136	1.346	-18.5	119	0.00	11.85
73	1,2-DIBROMOETHANE	0.949	1.146	-20.8	121	0.00	12.05
74	OCTANE	1.565	1.782	-13.9	121	0.00	12.34
75	1,1,1,2-TETRACHLOROETHANE	0.745	0.907	-21.7	121	0.00	13.25
76	CHLOROBENZENE	1.374	1.611	-17.2	119	0.00	13.28
77	ETHYLBENZENE	2.459	2.724	-10.8	119	0.00	13.65
78	m,p-XYLENE	0.925	1.024	-10.7	118	0.00	13.84
79	o-XYLENE	0.889	1.000	-12.5	119	0.00	14.35
80	STYRENE	1.250	1.456	-16.5	115	0.00	14.26
81	NONANE	1.532	1.671	-9.1	117	0.00	14.55
82	BROMOFORM	0.938	1.156	-23.2	118	0.00	13.95
83 S	4-BROMOFLUOROBENZENE	1.126	1.148	-2.0	107	0.00	14.88
84	1,1,2,2-TETRACHLOROETHANE	1.088	1.322	-21.5	117	0.00	14.38
85	1,2,3-TRICHLOROPROPANE	0.880	1.058	-20.2	115	0.00	14.50
86	ISOPROPYLBENZENE	2.290	2.747	-20.0	116	0.00	15.01
87	BROMOBENZENE			-----NA-----			
88	2-CHLOROTOLUENE	0.514	0.631	-22.8	118	0.00	15.58
89	n-PROPYLBENZENE	0.557	0.687	-23.3	116	0.00	15.61
90	4-ETHYLTOLUENE	1.956	2.362	-20.8	113	0.00	15.78
91	1,3,5-TRIMETHYLBENZENE	1.607	1.946	-21.1	114	0.00	15.87
92	ALPHA-METHYLSTYRENE			-----NA-----			
93	tert-BUTYLBENZENE	0.350	0.434	-24.0	115	0.00	16.36
94	1,2,4-TRIMETHYLBENZENE	1.414	1.731	-22.4	111	0.00	16.37
95	m-DICHLOROBENZENE	0.843	1.068	-26.7	115	0.00	16.57
96	BENZYL CHLORIDE	1.037	1.289	-24.3	107	0.00	16.57
97	p-DICHLOROBENZENE	0.842	1.040	-23.5	115	0.00	16.66
98	sec-BUTYLBENZENE	0.409	0.501	-22.5	113	0.00	16.70
99	p-ISOPROPYLTOLUENE	0.387	0.502	-29.7	111	0.00	16.90
100	o-DICHLOROBENZENE	0.739	0.924	-25.0	114	0.00	17.08

Initial Calibration Verification

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1066-ICV1065
Lab FileID: 3W27181.D

101	n-BUTYLBENZENE	0.315	0.396	-25.7	107	0.00	17.41
102	HEXACHLOROETHANE			-----NA-----			
103	HEXACHLOROBUTADIENE	0.323	0.417	-29.1	100	0.00	19.70
104	1,2,4-TRICHLOROBENZENE	0.191	0.208	-8.9	102	0.00	19.14
105 I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	109	0.00	13.23
106	NAPHTHALENE			-----NA-----			

(#) = Out of Range
 3W27167.D M3W1065.M

SPCC's out = 0 CCC's out = 0
 Wed Mar 28 14:47:59 2012 VOA-CLN-04

5.9.15

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Continuing Calibration Summary

Page 1 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1072-CC1065
Lab FileID: 3W27347.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27347.D Vial: 2
Acq On : 4 Apr 2012 10:10 am Operator: yunxiac
Sample : CC1065-10 Inst : MS3W
Misc : MS27556,V3W1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00
2	FREON 115	0.000	0.000	0.0	0#	-3.98#
3	FREON 152A	0.000	0.000	0.0	0#	-4.06#
4	CHLORODIFLUOROMETHANE	0.408	0.375	8.1	96	0.00
5	DICHLORODIFLUOROMETHANE	3.675	3.715	-1.1	98	0.00
6	PROPYLENE	1.417	1.328	6.3	93	0.00
7	FREON 114	4.074	4.281	-5.1	100	0.00
8	CHLOROMETHANE	1.681	1.516	9.8	95	0.00
9	VINYL CHLORIDE	1.613	1.690	-4.8	96	0.00
10	1,3-BUTADIENE	1.313	1.277	2.7	94	0.00
11	n-BUTANE	2.546	2.500	1.8	93	0.00
12	BROMOMETHANE	1.467	1.528	-4.2	100	0.00
13	CHLOROETHANE	0.882	0.897	-1.7	96	0.00
14	DICHLOROFLUOROMETHANE	3.426	3.420	0.2	96	0.00
15	ACETONITRILE	1.370	1.321	3.6	88	0.00
16	FREON 123	3.422	3.569	-4.3	98	0.00
17	FREON 123A	1.838	2.000	-8.8	99	0.00
18	TRICHLOROFLUOROMETHANE	3.352	3.515	-4.9	98	0.00
19	ISOPROPYL ALCOHOL	2.774	2.696	2.8	88	0.00
20	ACETONE	0.739	0.714	3.4	92	0.00
21	PENTANE	1.788	1.707	4.5	90	0.00
22 H	TVHC as EQUIV PENTANE	11.017	10.559	4.2	90	0.00
23	IODOMETHANE	3.598	4.029	-12.0	101	0.00
24	1,1-DICHLOROETHYLENE	1.422	1.483	-4.3	99	0.00
25	CARBON DISULFIDE	3.703	3.754	-1.4	94	0.00
26	ETHANOL	0.754	0.721	4.4	89	0.00
27	BROMOETHENE	1.408	1.531	-8.7	100	0.00
28	ACRYLONITRILE	0.966	0.973	-0.7	89	0.00
29	METHYLENE CHLORIDE	1.392	1.373	1.4	97	0.00
30	3-CHLOROPROPENE	0.674	0.734	-8.9	96	0.00
31	FREON 113	2.194	2.422	-10.4	100	0.00
32	TRANS-1,2-DICHLOROETHYLENE	1.322	1.447	-9.5	97	0.00
33	TERTIARY BUTYL ALCOHOL	3.056	3.146	-2.9	91	0.00
34	METHYL TERTIARY BUTYL ETHER	3.803	3.946	-3.8	91	0.00
35	TETRAHYDROFURAN	0.666	0.736	-10.5	91	0.00
36	HEXANE	2.474	2.411	2.5	92	0.00
37	VINYL ACETATE	0.312	0.351	-12.5	93	0.00
38	1,1-DICHLOROETHANE	2.718	2.877	-5.8	94	0.00
39	METHYL ETHYL KETONE	0.647	0.726	-12.2	92	0.00
40	cis-1,2-DICHLOROETHYLENE	1.468	1.606	-9.4	98	0.00
41	DIISOPROPYL ETHER	4.989	4.872	2.3	85	0.00
42	ETHYL ACETATE	0.428	0.466	-8.9	90	0.00

Continuing Calibration Summary

Page 2 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1072-CC1065
Lab FileID: 3W27347.D

43		METHYL ACRYLATE	2.563	2.584	-0.8	87	0.00
44		CHLOROFORM	2.885	2.999	-4.0	94	0.00
45		2,4-DIMETHYLPENTANE	3.026	3.036	-0.3	92	0.00
46		1,1,1-TRICHLOROETHANE	2.730	2.925	-7.1	96	0.00
47		CARBON TETRACHLORIDE	2.834	3.121	-10.1	97	0.00
48		1,2-DICHLOROETHANE	1.703	1.785	-4.8	89	0.00
49	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00
50		BENZENE	1.035	0.980	5.3	95	0.00
51		CYCLOHEXANE	0.468	0.500	-6.8	95	0.00
52		2,3-DIMETHYLPENTANE	0.244	0.221	9.4	93	0.00
53		TRICHLOROETHYLENE	0.395	0.389	1.5	94	0.00
54		1,2-DICHLOROPROPANE	0.377	0.376	0.3	91	0.00
55		DIBROMOMETHANE	0.339	0.356	-5.0	98	0.00
56		ETHYL ACRYLATE	0.642	0.633	1.4	86	0.00
57		BROMODICHLOROMETHANE	0.644	0.650	-0.9	93	0.00
58		2,2,4-TRIMETHYLPENTANE	1.647	1.574	4.4	91	0.00
59		1,4-DIOXANE	0.176	0.187	-6.3	95	0.00
60		HEPTANE	0.661	0.599	9.4	87	0.00
61	H	TVHC as EQUIV HEPTANE	4.062	3.873	4.7	88	0.00
62		METHYL METHACRYLATE	0.316	0.323	-2.2	88	0.00
63		METHYL ISOBUTYL KETONE	0.250	0.259	-3.6	89	0.00
64		cis-1,3-DICHLOROPROPENE	0.501	0.520	-3.8	91	0.00
65		TOLUENE	0.654	0.654	0.0	93	0.00
66		trans-1,3-DICHLOROPROPENE	0.469	0.504	-7.5	89	0.00
67		1,1,2-TRICHLOROETHANE	0.307	0.326	-6.2	92	0.00
68	I	CHLOROBENZENE-D5	1.000	1.000	0.0	91	0.00
69		2-HEXANONE	0.576	0.630	-9.4	85	0.00
70		ETHYL METHACRYLATE	0.842	0.911	-8.2	88	0.00
71		TETRACHLOROETHYLENE	0.734	0.800	-9.0	97	0.00
72		DIBROMOCHLOROMETHANE	1.136	1.287	-13.3	95	0.00
73		1,2-DIBROMOETHANE	0.949	1.061	-11.8	94	0.00
74		OCTANE	1.565	1.518	3.0	86	0.00
75		1,1,1,2-TETRACHLOROETHANE	0.745	0.847	-13.7	94	0.00
76		CHLOROBENZENE	1.374	1.503	-9.4	93	0.00
77		ETHYLBENZENE	2.459	2.514	-2.2	91	0.00
78		m,p-XYLENE	0.925	0.946	-2.3	91	0.00
79		o-XYLENE	0.889	0.921	-3.6	91	0.00
80		STYRENE	1.250	1.367	-9.4	90	0.00
81		NONANE	1.532	1.453	5.2	85	0.00
82		BROMOFORM	0.938	1.122	-19.6	95	0.00
83	S	4-BROMOFLUOROBENZENE	1.126	1.125	0.1	87	0.00
84		1,1,2,2-TETRACHLOROETHANE	1.088	1.234	-13.4	91	0.00
85		1,2,3-TRICHLOROPROPANE	0.880	0.977	-11.0	88	0.00
86		ISOPROPYLBENZENE	2.290	2.580	-12.7	91	0.00
87		BROMOBENZENE	0.984	1.111	-12.9	89	0.00
88		2-CHLOROTOLUENE	0.514	0.603	-17.3	94	0.00
89		n-PROPYLBENZENE	0.557	0.646	-16.0	91	0.00
90		4-ETHYLTOLUENE	1.956	2.272	-16.2	91	0.00
91		1,3,5-TRIMETHYLBENZENE	1.607	1.839	-14.4	90	0.00
92		ALPHA-METHYLSTYRENE	0.653	0.792	-21.3	89	0.00
93		tert-BUTYLBENZENE	0.350	0.422	-20.6	94	0.00
94		1,2,4-TRIMETHYLBENZENE	1.414	1.695	-19.9	91	0.00
95		m-DICHLOROBENZENE	0.843	1.044	-23.8	94	0.00
96		BENZYL CHLORIDE	1.037	1.273	-22.8	88	0.00
97		p-DICHLOROBENZENE	0.842	1.002	-19.0	92	0.00
98		sec-BUTYLBENZENE	0.409	0.490	-19.8	93	0.00
99		p-ISOPROPYLTOLUENE	0.387	0.503	-30.0	93	0.00
100		o-DICHLOROBENZENE	0.739	0.907	-22.7	93	0.00

5.9.16

5

Continuing Calibration Summary

Page 3 of 3

Job Number: JB2710
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3W1072-CC1065
Lab FileID: 3W27347.D

101	n-BUTYLBENZENE	0.315	0.407	-29.2	92	0.00
102	HEXACHLOROETHANE	0.535	0.679	-26.9	93	0.00
103	HEXACHLOROBUTADIENE	0.323	0.435	-34.7#	87	0.00
104	1,2,4-TRICHLOROBENZENE	0.191	0.235	-23.0	96	0.00
105 I	CHLOROBENZENE-D5 (a)	1.000	1.000	0.0	91	0.00
106	NAPHTHALENE	0.265	0.364	-37.4#	94	0.00

(#) = Out of Range
3W27167.D M3W1065.M

SPCC's out = 0 CCC's out = 0
Thu Apr 05 10:11:59 2012 MSW

5.9.6

5

GC/MS Volatiles

Raw Data

9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\3W1072\3W27367.D Vial: 5
 Acq On : 5 Apr 2012 1:12 am Operator: yunxiac
 Sample : JB2710-1 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:31 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.31	128	96150	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	8.99	114	425351	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	198188	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	197955	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE	14.88	95	214452	9.61	PPBV	0.00
Spiked Amount	10.000	Range	65 - 128	Recovery	=	96.10%

Target Compounds

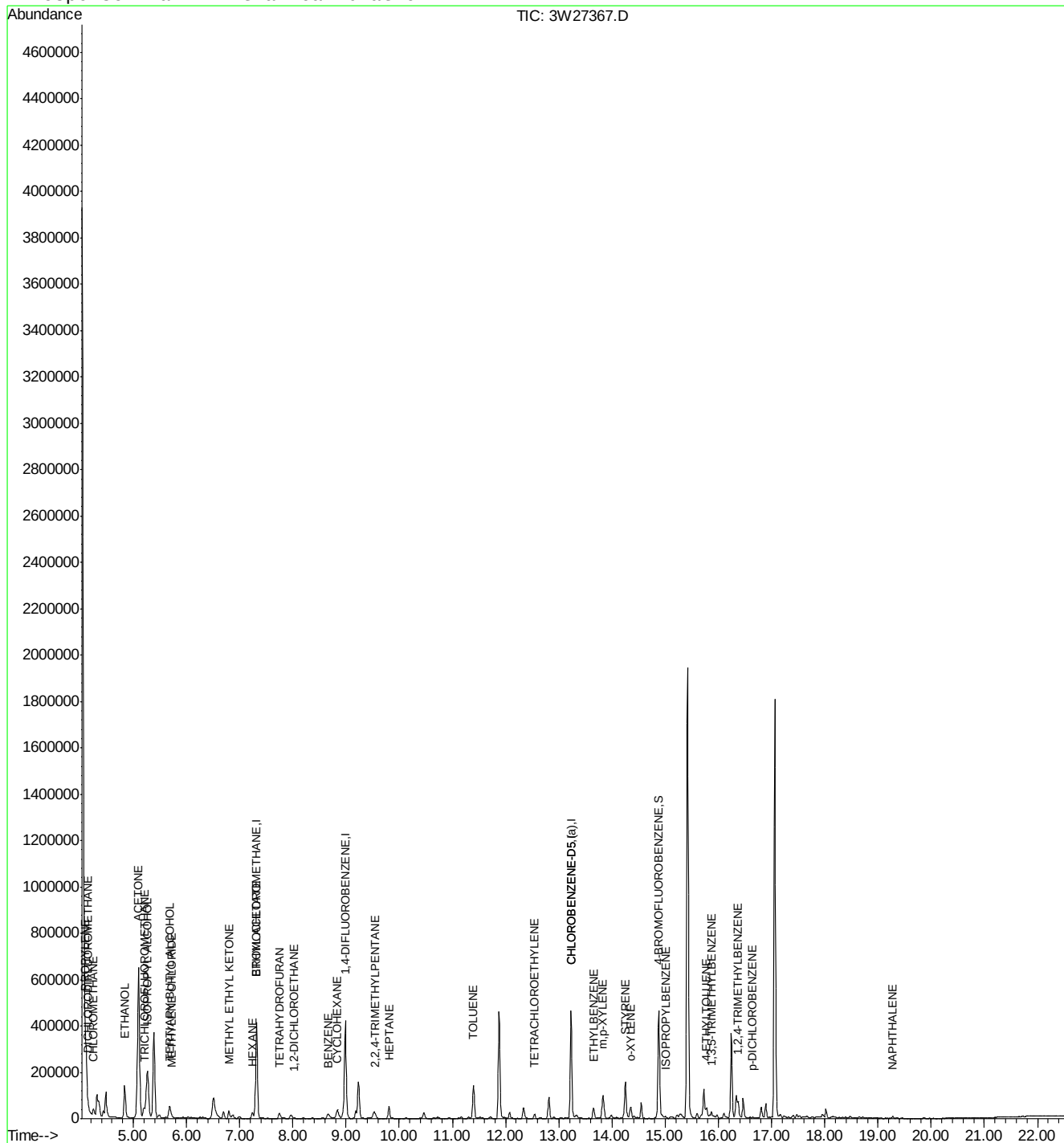
						Qvalue
5) DICHLORODIFLUOROMETHANE	4.15	85	14907	0.42	PPBV	98
6) PROPYLENE	4.11	41	40593	2.98	PPBV #	77
8) CHLOROMETHANE	4.25	50	8426	0.52	PPBV	98
18) TRICHLOROFLUOROMETHANE	5.20	101	52838	1.64	PPBV	99
19) ISOPROPYL ALCOHOL	5.28	45	202175	7.58	PPBV	99
20) ACETONE	5.11	58	242921	34.17	PPBV #	86
26) ETHANOL	4.84	45	193754	26.72	PPBV	98
29) METHYLENE CHLORIDE	5.72	84	8474	0.63	PPBV	91
33) TERTIARY BUTYL ALCOHOL	5.67	59	14343	0.49	PPBV #	1
35) TETRAHYDROFURAN	7.75	72	7011	1.10	PPBV	95
36) HEXANE	7.23	57	16932	0.71	PPBV #	81
39) METHYL ETHYL KETONE	6.80	72	12135	1.95	PPBV #	86
42) ETHYL ACETATE	7.32	61	32313	7.85	PPBV #	88
48) 1,2-DICHLOROETHANE	8.02	62	1788	0.11	PPBV #	90
50) BENZENE	8.66	78	16710	0.38	PPBV	98
51) CYCLOHEXANE	8.83	84	19453	0.98	PPBV	86
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	18239	0.26	PPBV #	48
60) HEPTANE	9.81	43	28190	1.00	PPBV	97
65) TOLUENE	11.40	92	73975	2.66	PPBV	98
71) TETRACHLOROETHYLENE	12.55	164	5188	0.36	PPBV	98
77) ETHYLBENZENE	13.65	91	37063	0.76	PPBV	97
78) m,p-XYLENE	13.83	106	41803	2.28	PPBV	96
79) o-XYLENE	14.35	106	14911	0.85	PPBV	98
80) STYRENE	14.26	104	108156	4.37	PPBV	99
86) ISOPROPYLBENZENE	15.01	105	7201	0.16	PPBV	98
90) 4-ETHYLTOLUENE	15.78	105	27134m	0.70	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	18892	0.59	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	47582	1.70	PPBV #	33
97) p-DICHLOROBENZENE	16.65	146	2075	0.12	PPBV #	81
106) NAPHTHALENE	19.28	128	1521	0.29	PPBV #	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27367.D M3W1065.M Thu Apr 05 10:10:29 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\3W1072\3W27367.D Vial: 5
Acq On : 5 Apr 2012 1:12 am Operator: yunxiac
Sample : JB2710-1 Inst : MS3W
Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 9:56 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

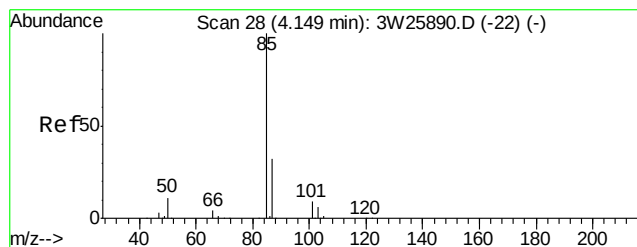


3W27367.D M3W1065.M

Thu Apr 05 10:10:30 2012

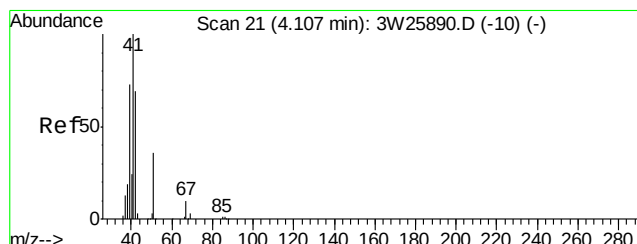
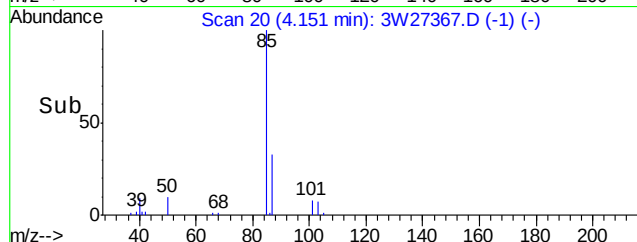
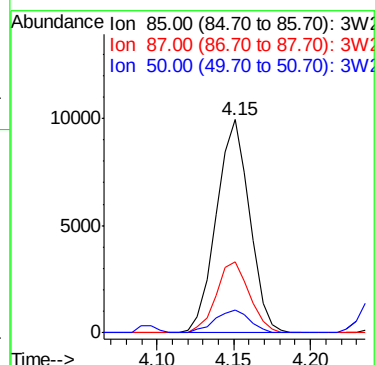
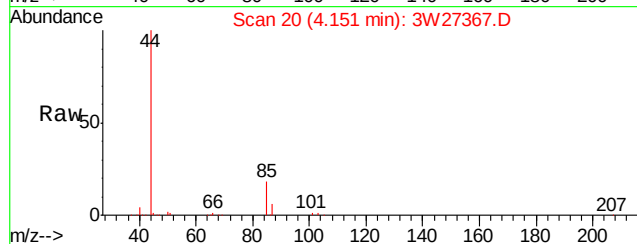
MSW

Page 2



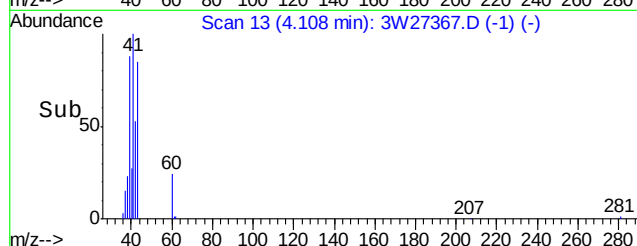
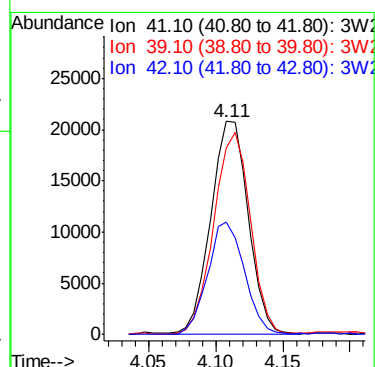
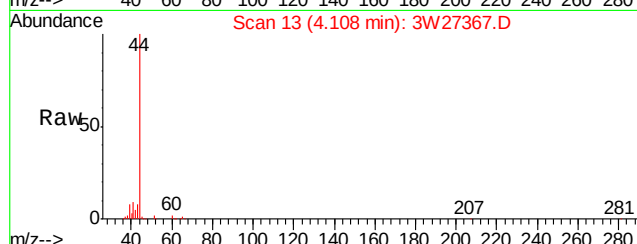
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.42 PPBV
 RT: 4.15 min Scan# 20
 Delta R.T. -0.01 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

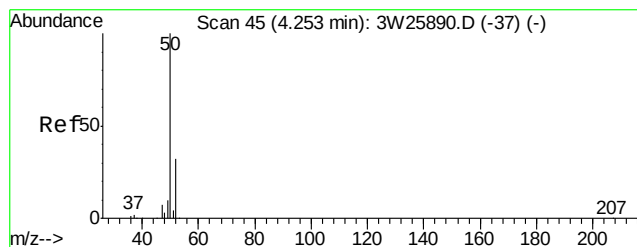
Tgt Ion:	85	Resp:	14907
Ion Ratio	Lower	Upper	
85	100		
87	33.4	12.4	52.4
50	11.3	0.0	31.8



#6
 PROPYLENE
 Concen: 2.98 PPBV
 RT: 4.11 min Scan# 13
 Delta R.T. -0.01 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

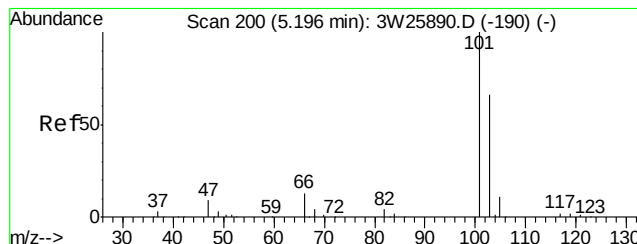
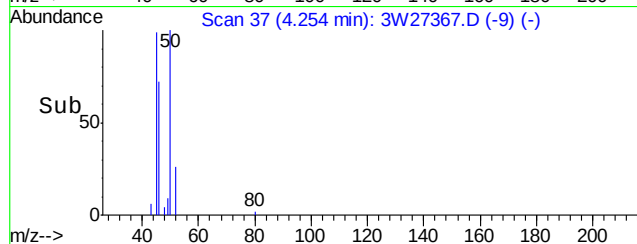
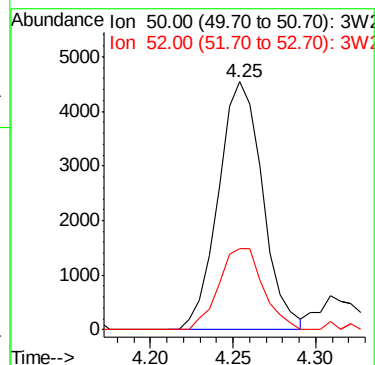
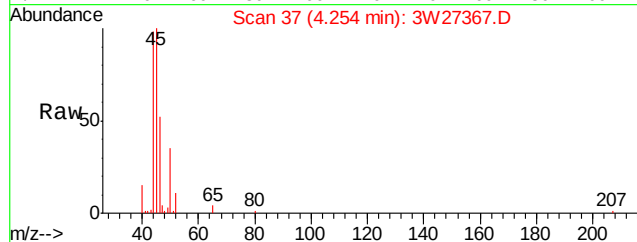
Tgt Ion:	41	Resp:	40593
Ion Ratio	Lower	Upper	
41	100		
39	92.9	50.1	90.1#
42	51.6	45.6	85.6





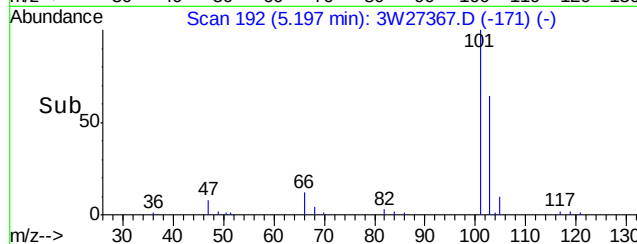
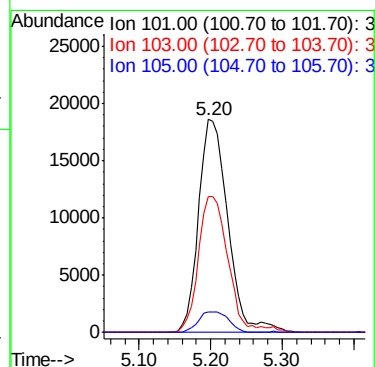
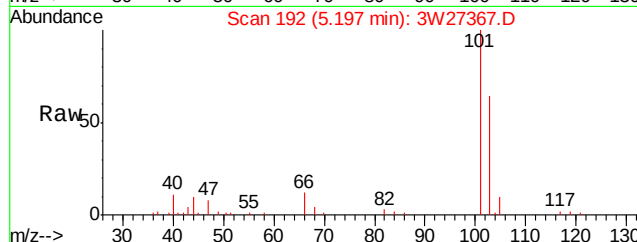
#8
CHLOROMETHANE
Concen: 0.52 PPBV
RT: 4.25 min Scan# 37
Delta R.T. -0.01 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

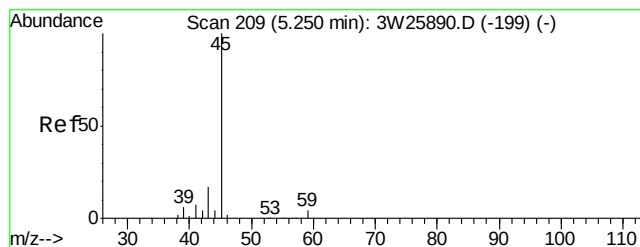
Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.6	12.4	52.4



#18
TRICHLOROFLUOROMETHANE
Concen: 1.64 PPBV
RT: 5.20 min Scan# 192
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

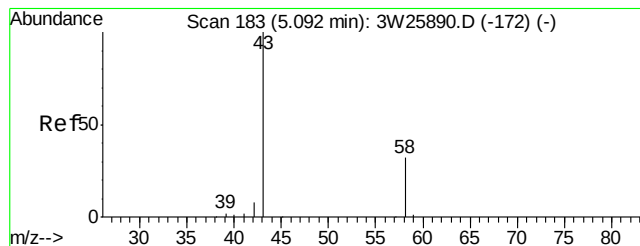
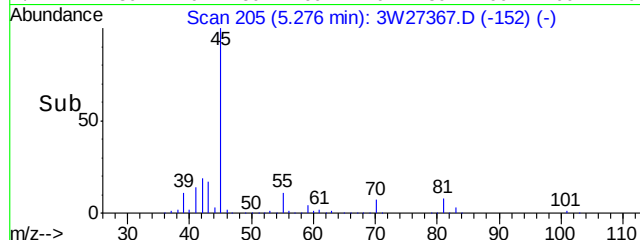
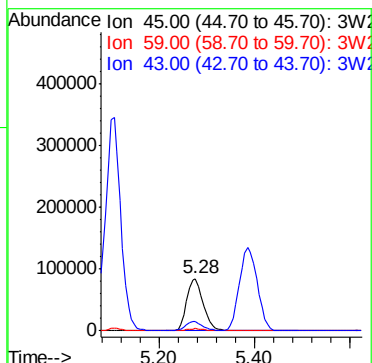
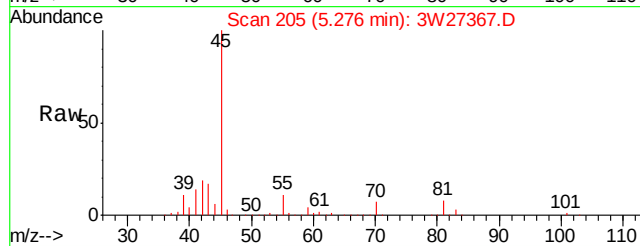
Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	45.0	85.0
105	10.0	0.0	30.7





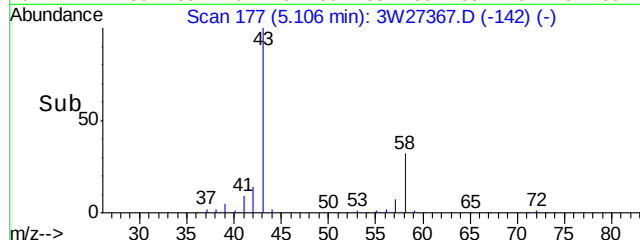
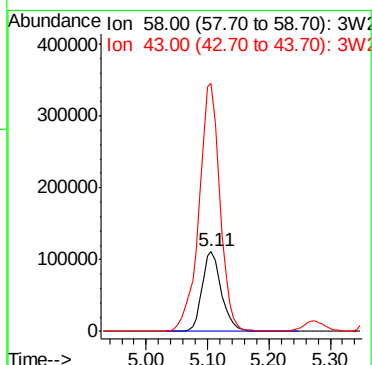
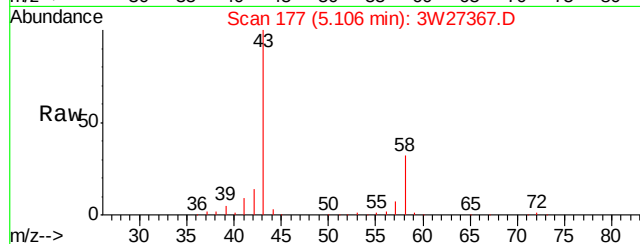
#19
ISOPROPYL ALCOHOL
Concen: 7.58 PPBV
RT: 5.28 min Scan# 205
Delta R.T. 0.03 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

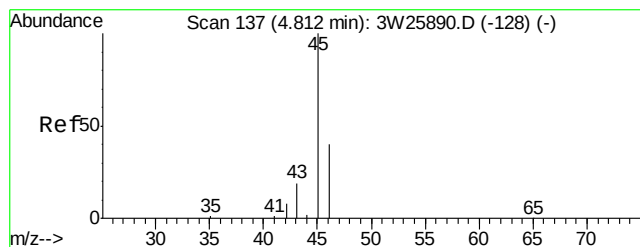
Tgt Ion	Ratio	Lower	Upper
45	100		
59	4.0	0.0	23.9
43	17.1	0.0	37.3



#20
ACETONE
Concen: 34.17 PPBV
RT: 5.11 min Scan# 177
Delta R.T. 0.01 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

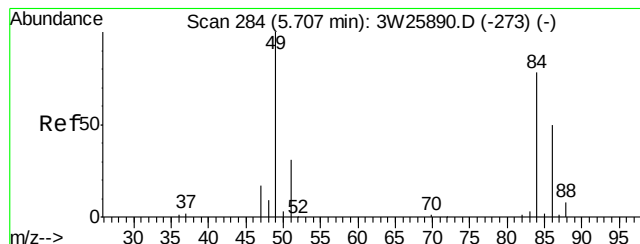
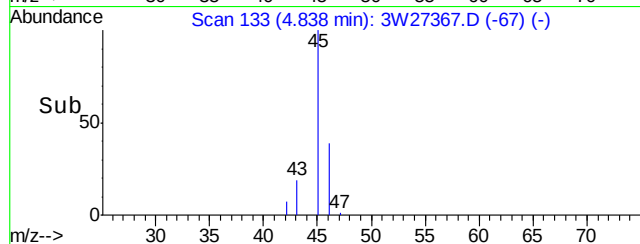
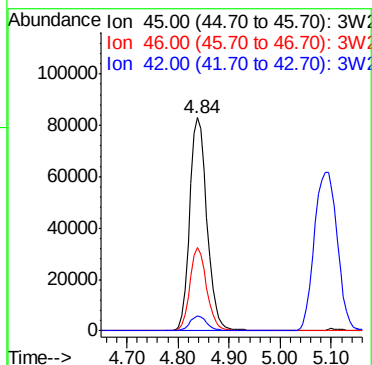
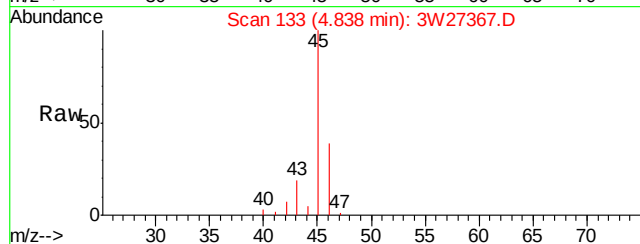
Tgt Ion	Ratio	Lower	Upper
58	100		
43	337.0	289.4	329.4#





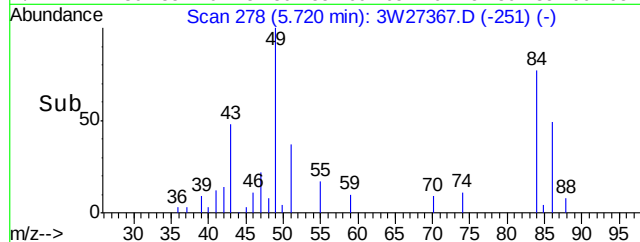
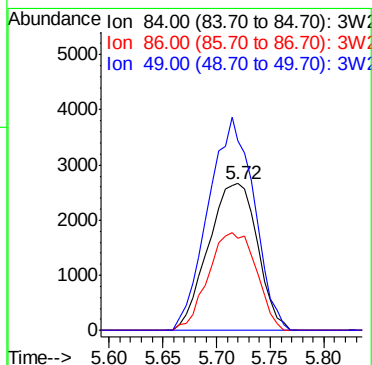
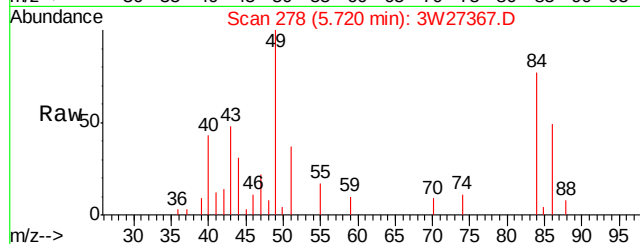
#26
 ETHANOL
 Concen: 26.72 PPBV
 RT: 4.84 min Scan# 133
 Delta R.T. 0.02 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

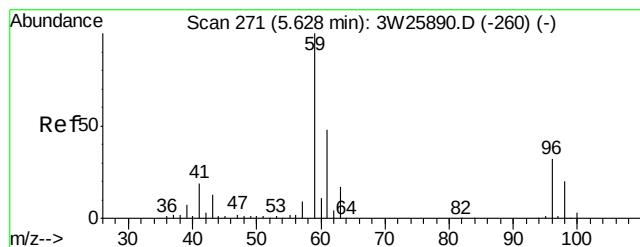
Tgt Ion:	45	Resp:	193754
Ion	Ratio	Lower	Upper
45	100		
46	37.8	17.5	57.5
42	7.1	0.0	29.8



#29
 METHYLENE CHLORIDE
 Concen: 0.63 PPBV
 RT: 5.72 min Scan# 278
 Delta R.T. 0.02 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

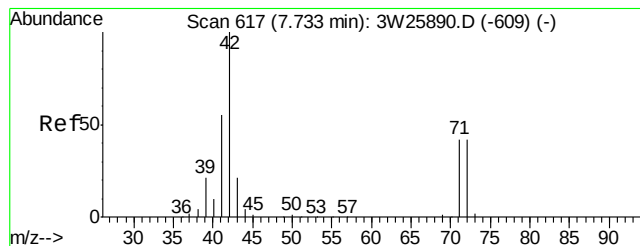
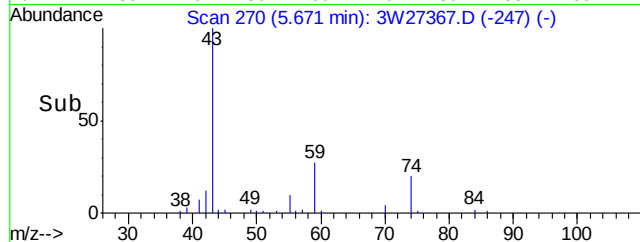
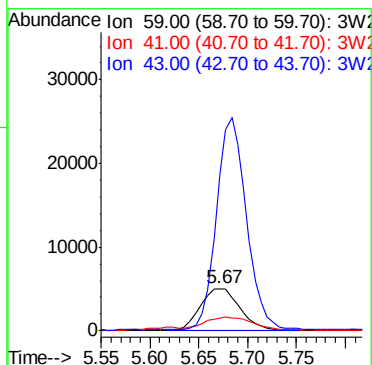
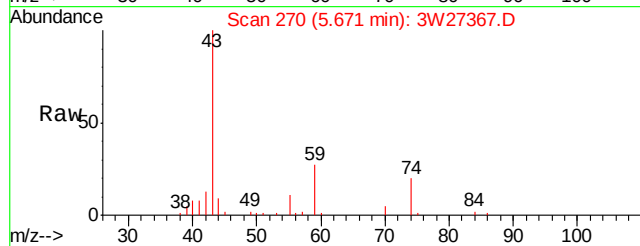
Tgt Ion:	84	Resp:	8474
Ion	Ratio	Lower	Upper
84	100		
86	65.0	43.9	83.9
49	135.4	0.0	350.8





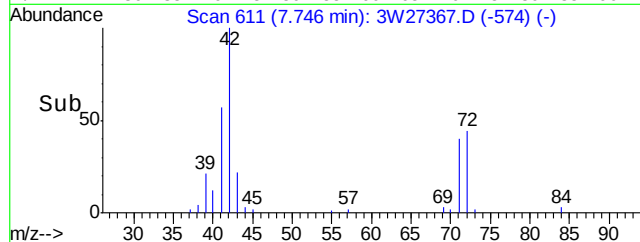
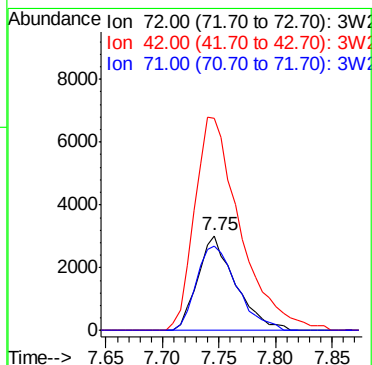
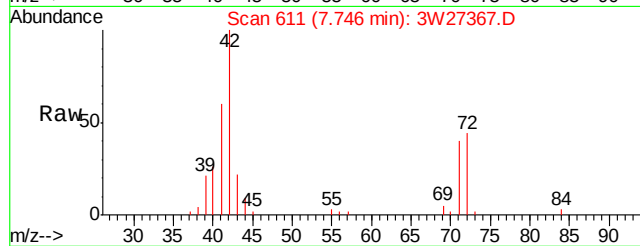
#33
TERTIARY BUTYL ALCOHOL
Concen: 0.49 PPBV
RT: 5.67 min Scan# 270
Delta R.T. 0.04 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

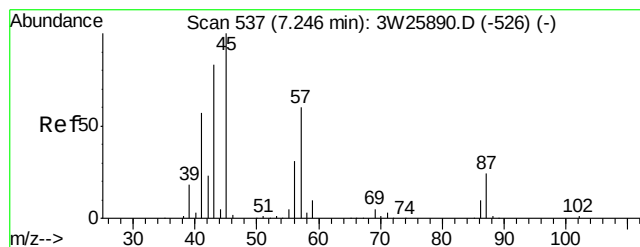
Tgt Ion	Ratio	Lower	Upper
59	100		
41	41.4	1.1	41.1#
43	389.2	0.0	33.4#



#35
TETRAHYDROFURAN
Concen: 1.10 PPBV
RT: 7.75 min Scan# 611
Delta R.T. 0.02 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

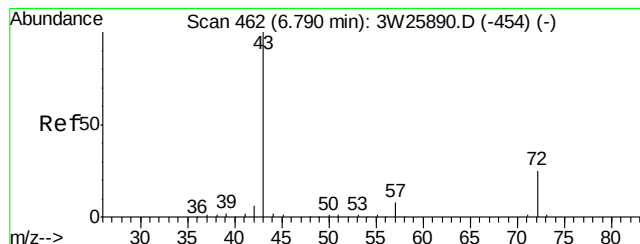
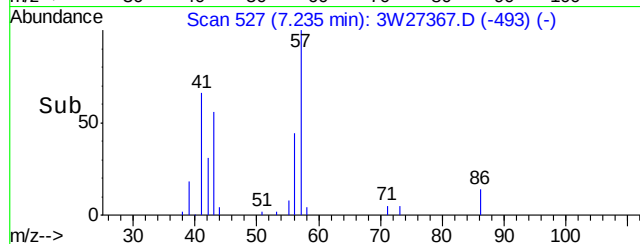
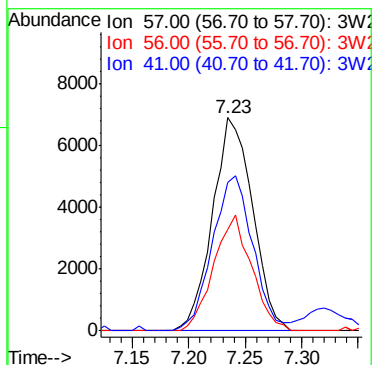
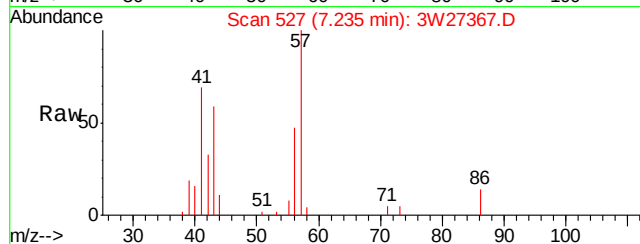
Tgt Ion	Ratio	Lower	Upper
72	100		
42	273.6	242.5	282.5
71	96.7	76.8	116.8





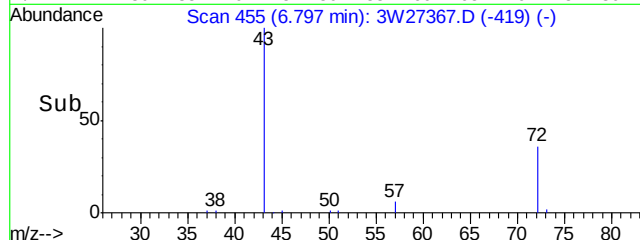
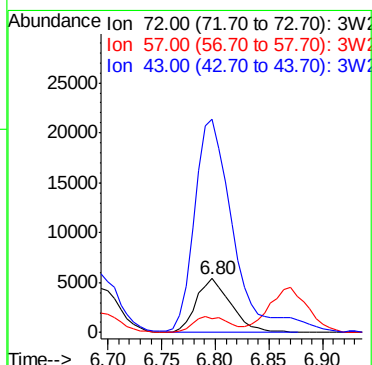
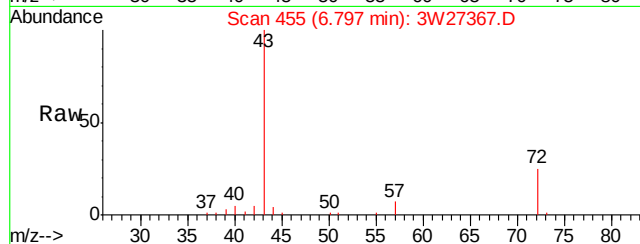
#36
 HEXANE
 Concen: 0.71 PPBV
 RT: 7.23 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

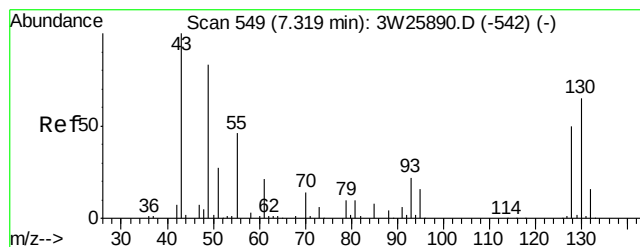
Tgt Ion:	57	Resp:	16932
Ion Ratio	Lower	Upper	
57	100		
56	51.4	31.3	71.3
41	73.9	83.4	123.4#



#39
 METHYL ETHYL KETONE
 Concen: 1.95 PPBV
 RT: 6.80 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: 3W27367.D
 Acq: 5 Apr 2012 1:12 am

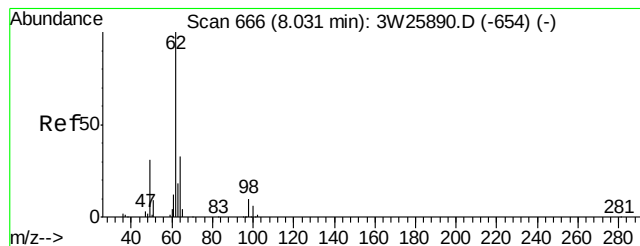
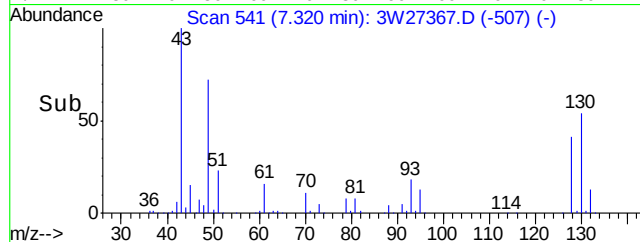
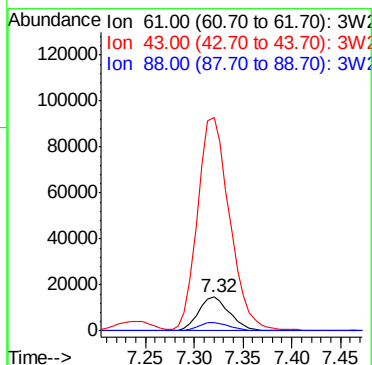
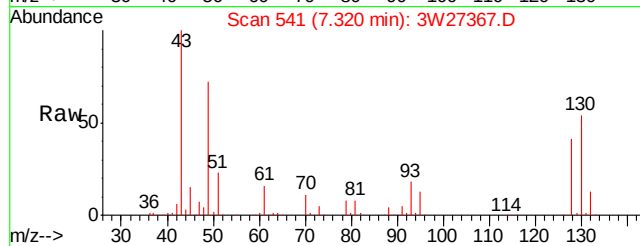
Tgt Ion:	72	Resp:	12135
Ion Ratio	Lower	Upper	
72	100		
57	26.3	11.7	51.7
43	396.1	411.3	451.3#





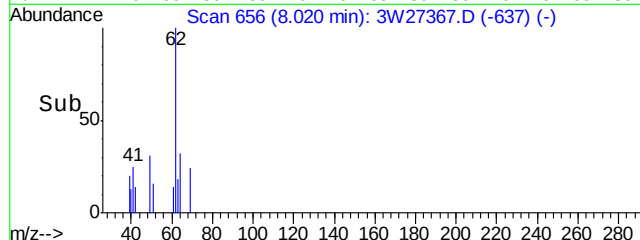
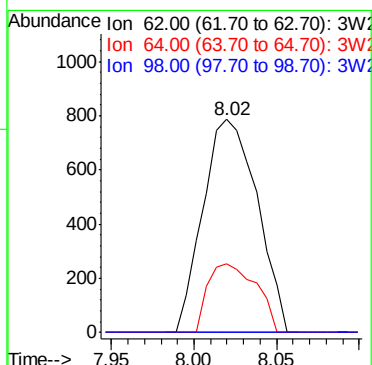
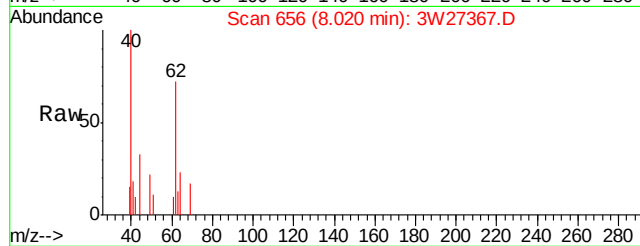
#42
ETHYL ACETATE
Concen: 7.85 PPBV
RT: 7.32 min Scan# 541
Delta R.T. 0.01 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

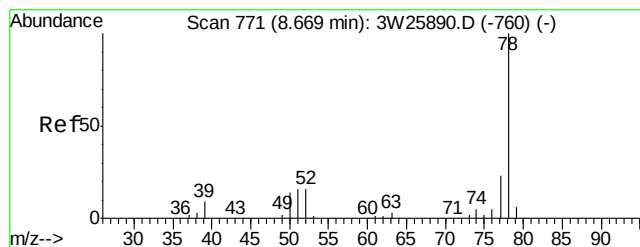
Tgt Ion:	61	Resp:	32313
Ion Ratio	Lower	Upper	
61	100		
43	661.3	683.1	723.1#
88	25.4	4.0	44.0



#48
1,2-DICHLOROETHANE
Concen: 0.11 PPBV
RT: 8.02 min Scan# 656
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

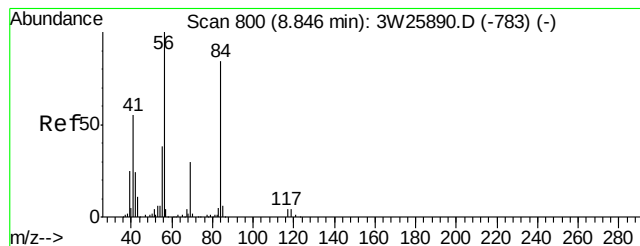
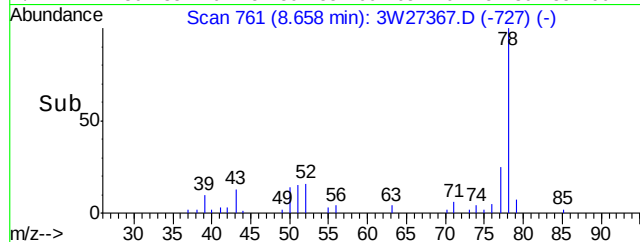
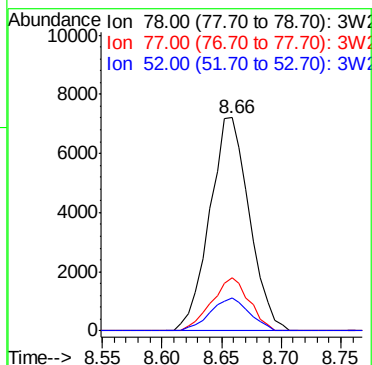
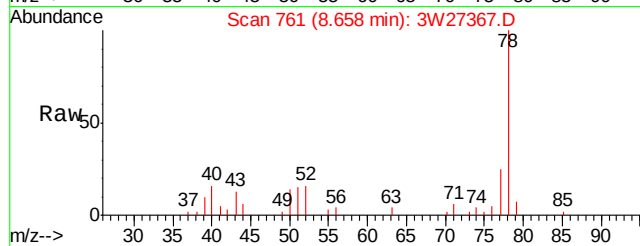
Tgt Ion:	62	Resp:	1788
Ion Ratio	Lower	Upper	
62	100		
64	28.7	12.3	52.3
98	0.0	0.0	29.0





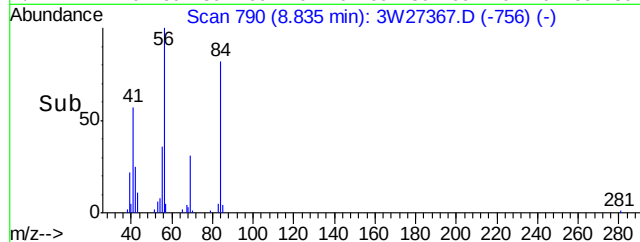
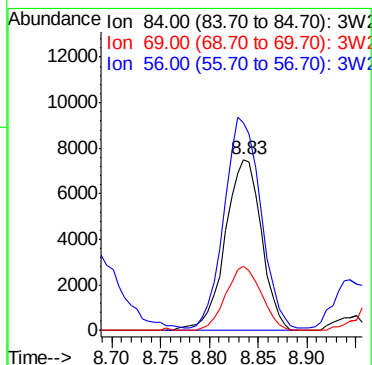
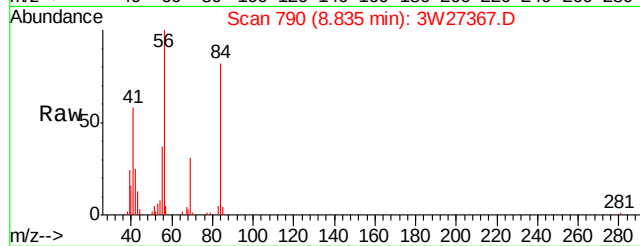
#50
BENZENE
Concen: 0.38 PPBV
RT: 8.66 min Scan# 761
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

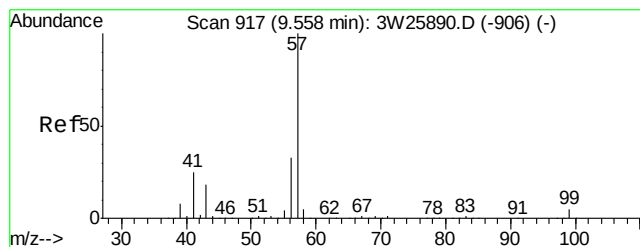
Tgt Ion:	78	Resp:	16710
Ion Ratio	Lower	Upper	
78	100		
77	23.4	3.2	43.2
52	15.1	0.0	36.9



#51
CYCLOHEXANE
Concen: 0.98 PPBV
RT: 8.83 min Scan# 790
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

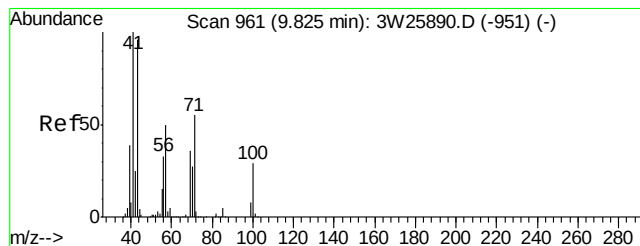
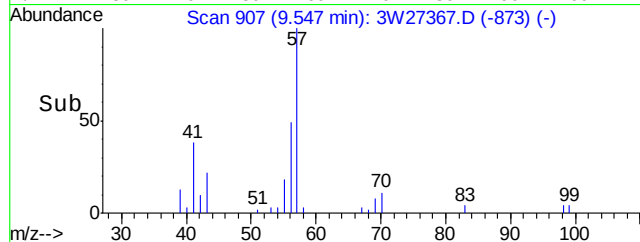
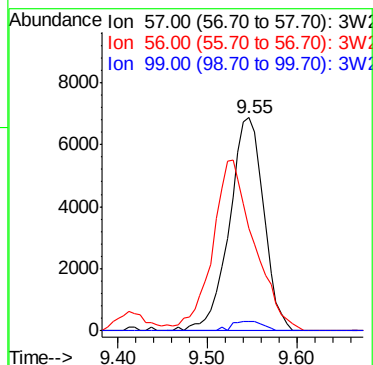
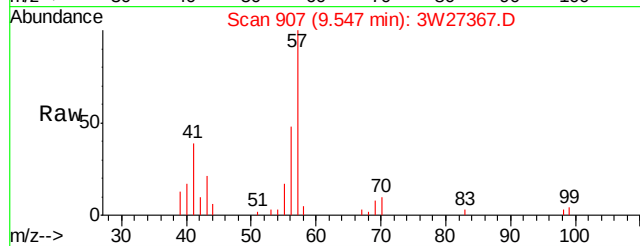
Tgt Ion:	84	Resp:	19453
Ion Ratio	Lower	Upper	
84	100		
69	36.8	12.0	52.0
56	122.7	86.6	126.6





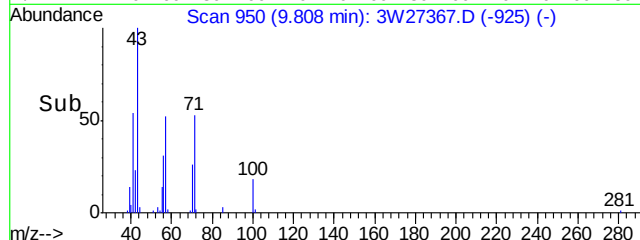
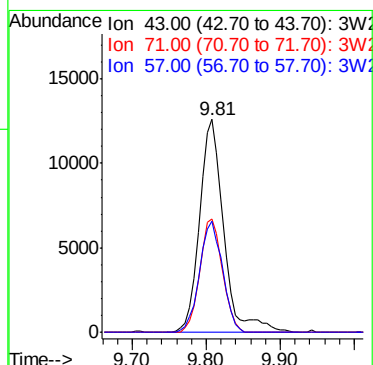
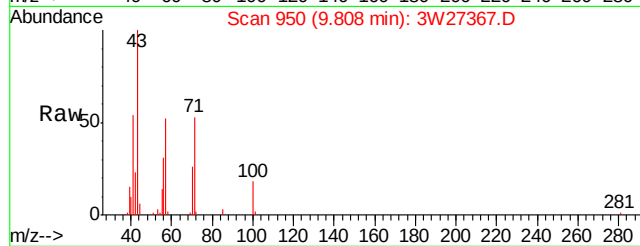
#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.26 PPBV
RT: 9.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

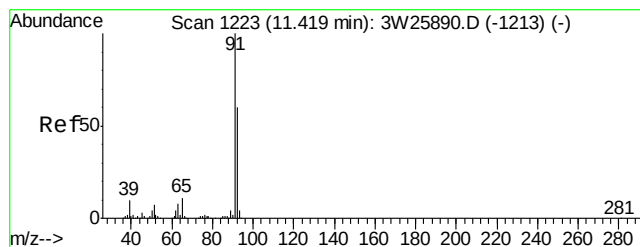
Tgt Ion:	57	Resp:	18239
Ion Ratio	Lower	Upper	
57	100		
56	0.0	13.4	53.4#
99	4.1	0.0	24.7



#60
HEPTANE
Concen: 1.00 PPBV
RT: 9.81 min Scan# 950
Delta R.T. 0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

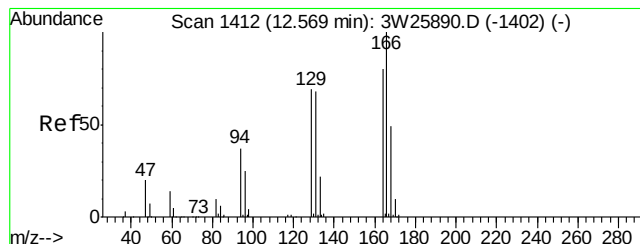
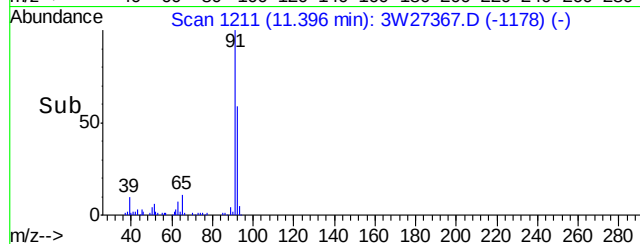
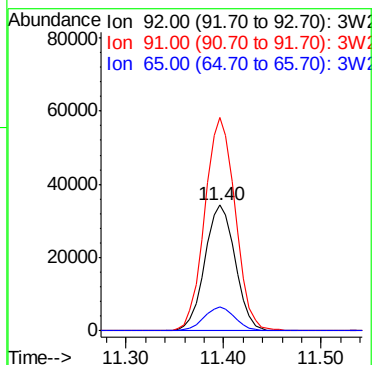
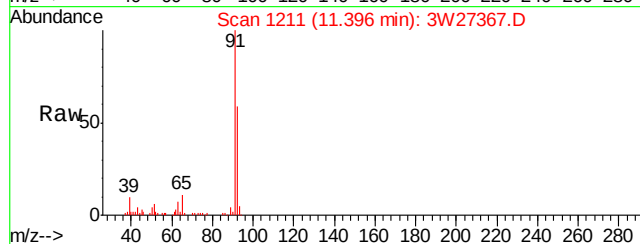
Tgt Ion:	43	Resp:	28190
Ion Ratio	Lower	Upper	
43	100		
71	49.6	32.5	72.5
57	49.3	31.1	71.1





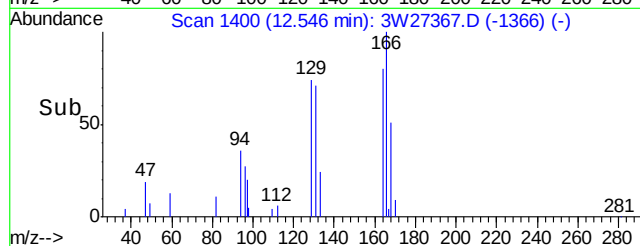
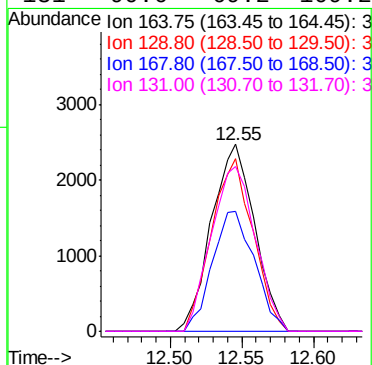
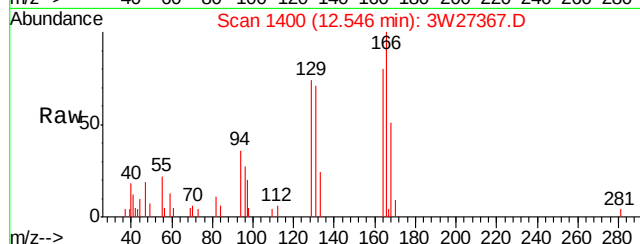
#65
TOLUENE
Concen: 2.66 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

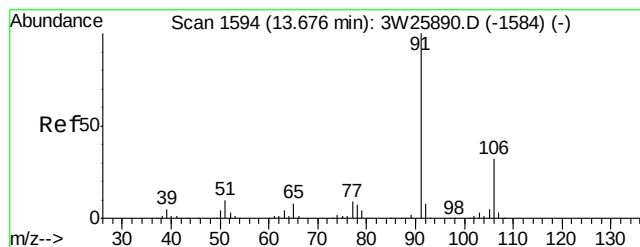
Tgt Ion:	92	Resp:	73975
Ion	Ratio	Lower	Upper
92	100		
91	170.7	148.5	188.5
65	19.4	2.8	42.8



#71
TETRACHLOROETHYLENE
Concen: 0.36 PPBV
RT: 12.55 min Scan# 1400
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

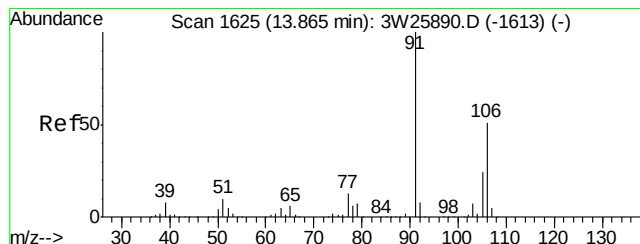
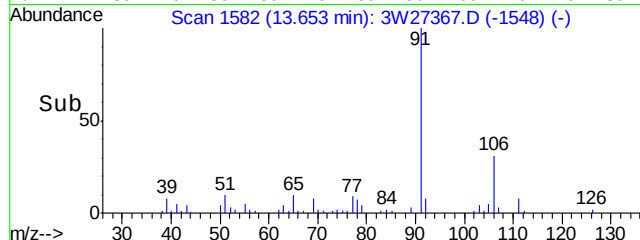
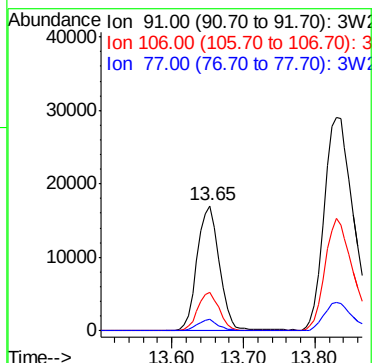
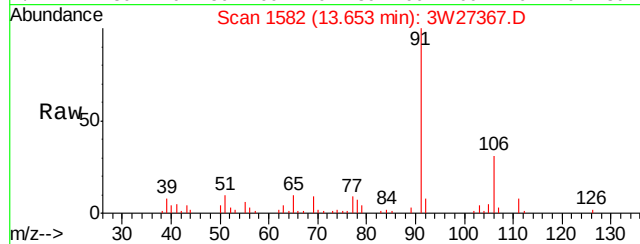
Tgt Ion:	164	Resp:	5188
Ion	Ratio	Lower	Upper
164	100		
129	89.0	71.9	111.9
168	62.7	41.4	81.4
131	90.6	69.2	109.2





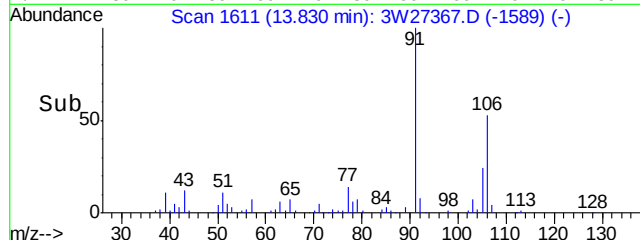
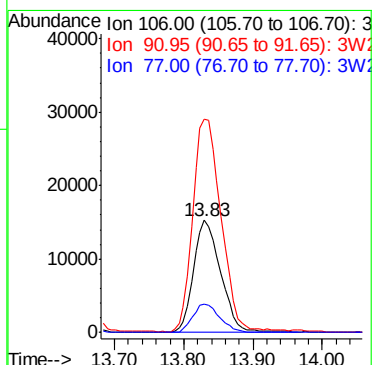
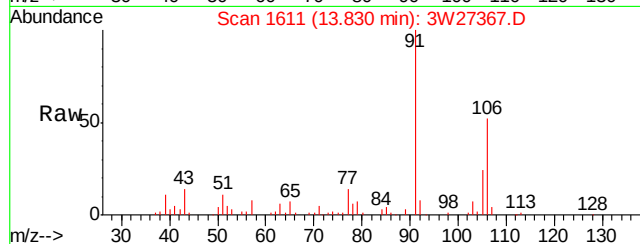
#77
ETHYLBENZENE
Concen: 0.76 PPBV
RT: 13.65 min Scan# 1582
Delta R.T. 0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

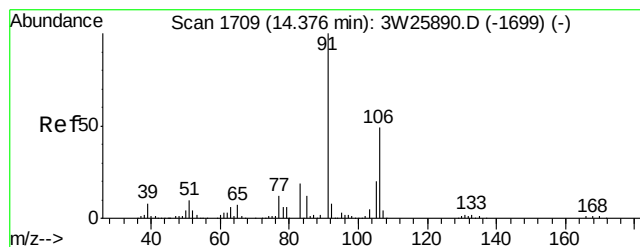
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	11.0	51.0
77	8.2	0.0	28.5



#78
m,p-XYLENE
Concen: 2.28 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

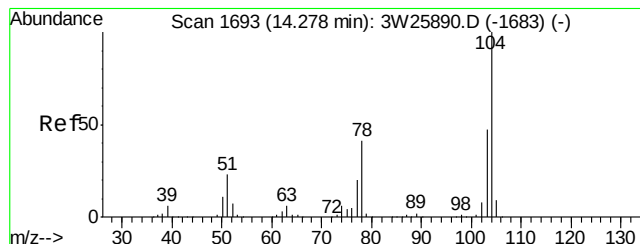
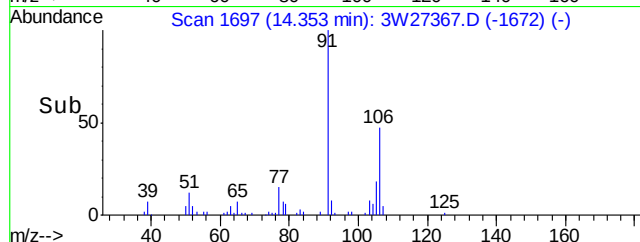
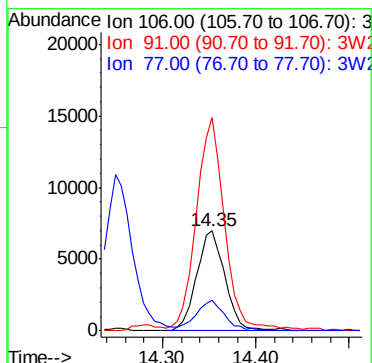
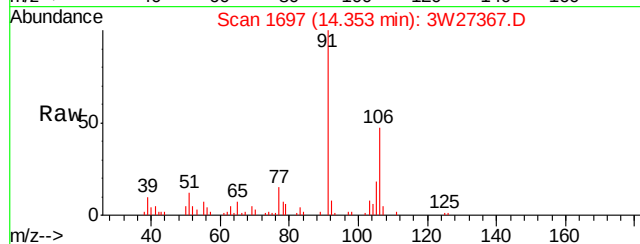
Tgt Ion	Ratio	Lower	Upper
106	100		
91	190.5	177.2	217.2
77	25.8	6.3	46.3





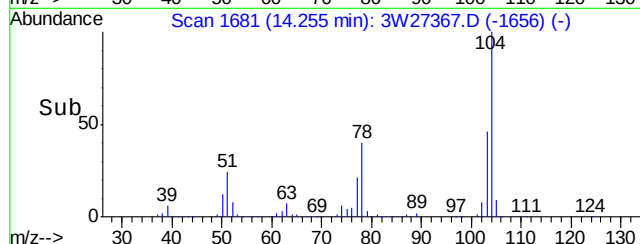
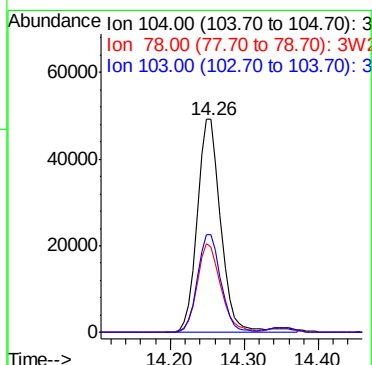
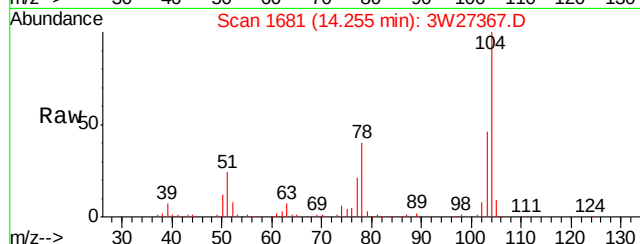
#79
o-XYLENE
Concen: 0.85 PPBV
RT: 14.35 min Scan# 1697
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

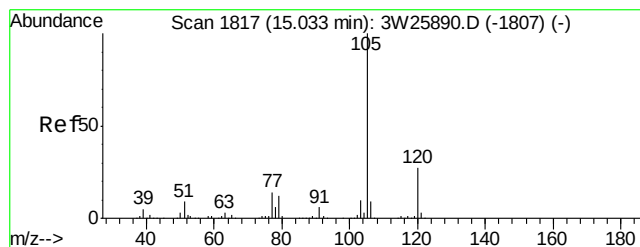
Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.3	192.3	232.3
77	30.9	6.3	46.3



#80
STYRENE
Concen: 4.37 PPBV
RT: 14.26 min Scan# 1681
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

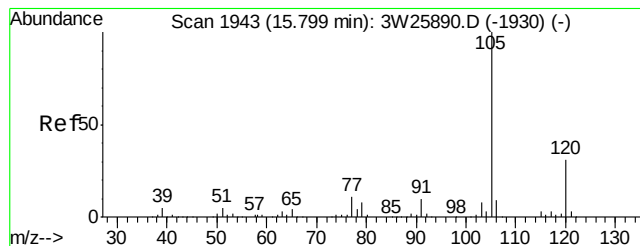
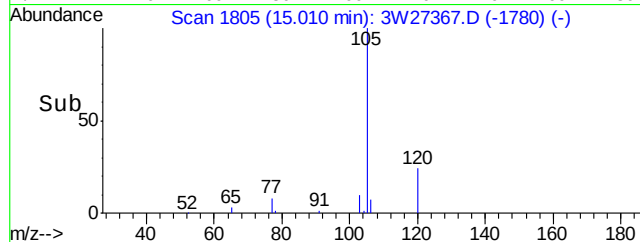
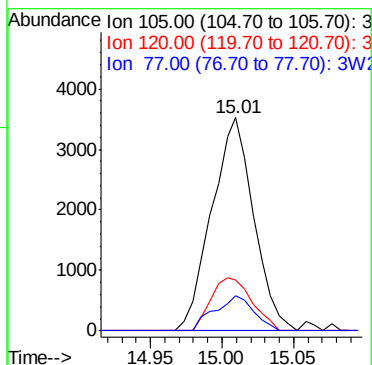
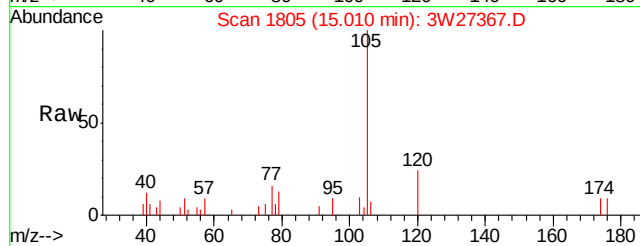
Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.7	22.1	62.1
103	45.9	27.0	67.0





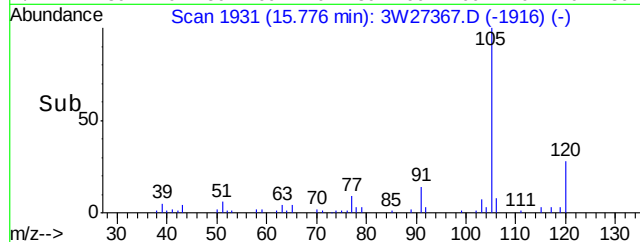
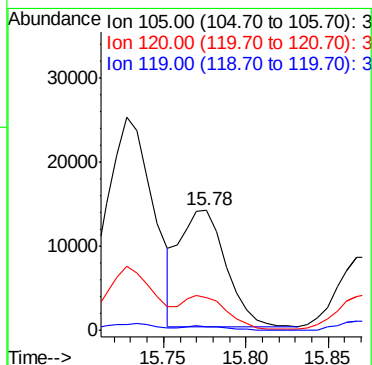
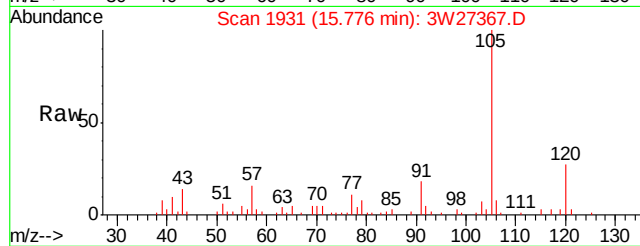
#86
ISOPROPYLBENZENE
Concen: 0.16 PPBV
RT: 15.01 min Scan# 1805
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

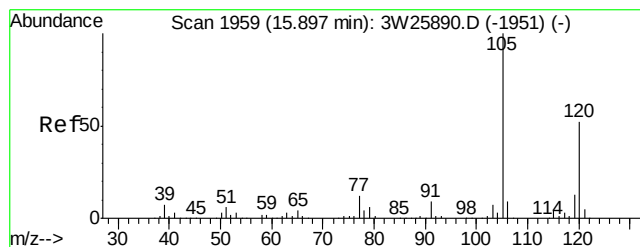
Tgt Ion:	105	Resp:	7201
Ion Ratio	Lower	Upper	
105	100		
120	24.1	5.9	45.9
77	15.3	0.0	35.1



#90
4-ETHYLTOLUENE
Concen: 0.70 PPBV m
RT: 15.78 min Scan# 1931
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

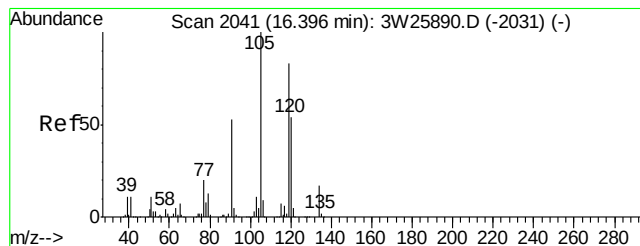
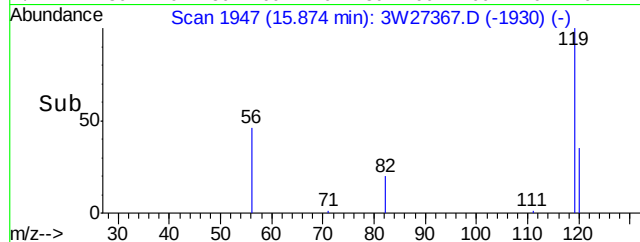
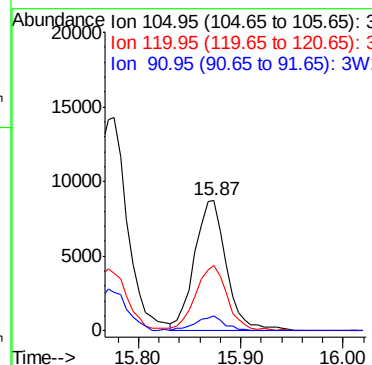
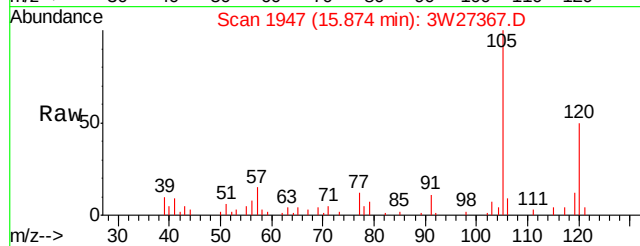
Tgt Ion:	105	Resp:	27134
Ion Ratio	Lower	Upper	
105	100		
120	83.3	9.3	49.3#
119	10.6	0.0	22.4





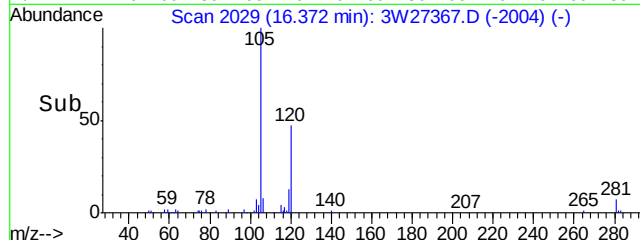
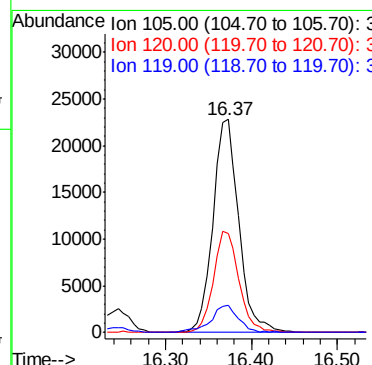
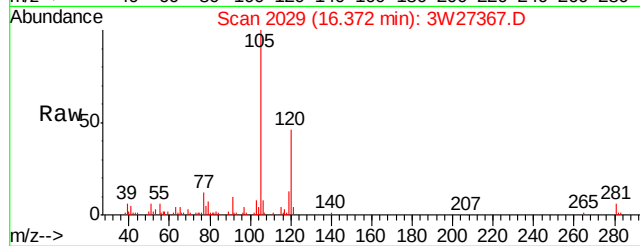
#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.59 PPBV
RT: 15.87 min Scan# 1947
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

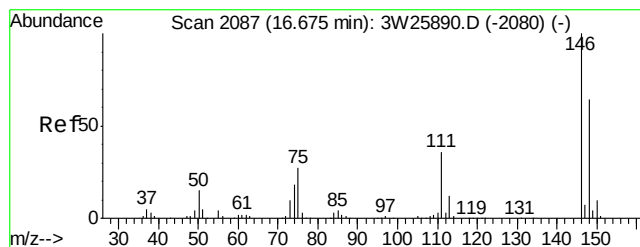
Tgt Ion:	105	Resp:	18892
Ion Ratio	Lower	Upper	
105	100		
120	50.1	29.6	69.6
91	10.7	0.0	29.8



#94
1,2,4-TRIMETHYLBENZENE
Concen: 1.70 PPBV
RT: 16.37 min Scan# 2029
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

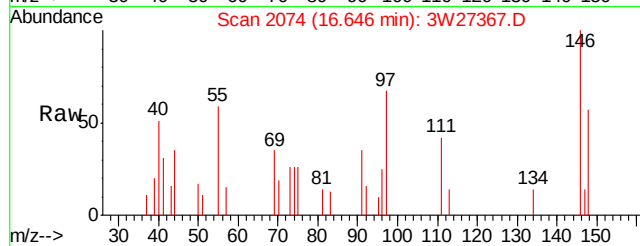
Tgt Ion:	105	Resp:	47582
Ion Ratio	Lower	Upper	
105	100		
120	47.0	36.7	76.7
119	13.6	95.0	135.0#



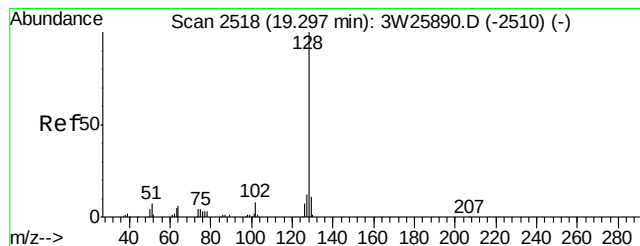
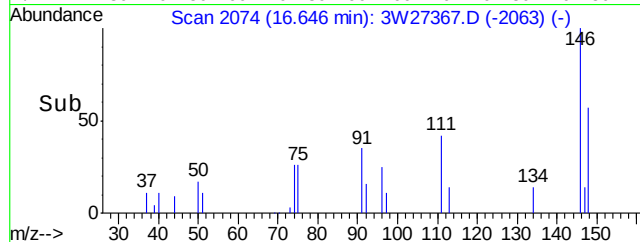
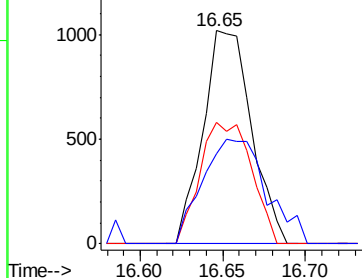


#97
p-DICHLOROBENZENE
Concen: 0.12 PPBV
RT: 16.65 min Scan# 2074
Delta R.T. -0.01 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

Tgt Ion:	146	Resp:	2075
Ion Ratio	Lower	Upper	
146	100		
148	60.4	43.9	83.9
111	64.5	18.1	58.1#

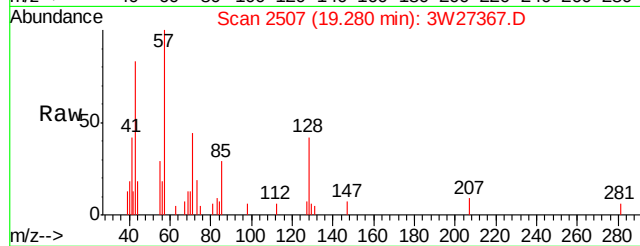


Abundance Ion 146.00 (145.70 to 146.70): 3
Ion 148.00 (147.70 to 148.70): 3
Ion 111.00 (110.70 to 111.70): 3

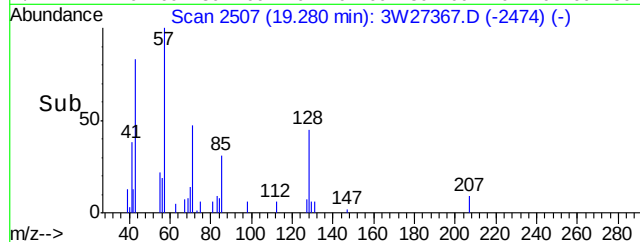
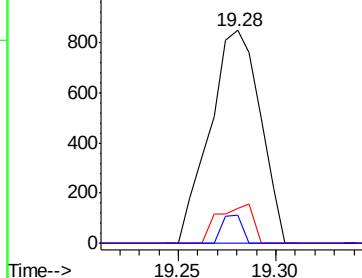


#106
NAPHTHALENE
Concen: 0.29 PPBV
RT: 19.28 min Scan# 2507
Delta R.T. -0.00 min
Lab File: 3W27367.D
Acq: 5 Apr 2012 1:12 am

Tgt Ion:	128	Resp:	1521
Ion Ratio	Lower	Upper	
128	100		
127	12.8	0.0	33.2
129	0.0	0.0	30.9



Abundance Ion 128.00 (127.70 to 128.70): 3
Ion 126.95 (126.65 to 127.65): 3
Ion 128.95 (128.65 to 129.65): 3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\3W1072\3W27368.D Vial: 6
 Acq On : 5 Apr 2012 1:55 am Operator: yunxiac
 Sample : JB2710-2 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:32 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.31	128	94200	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	8.98	114	441806	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	202389	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	202630	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE 14.88 95 209439 9.19 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 91.90%

Target Compounds

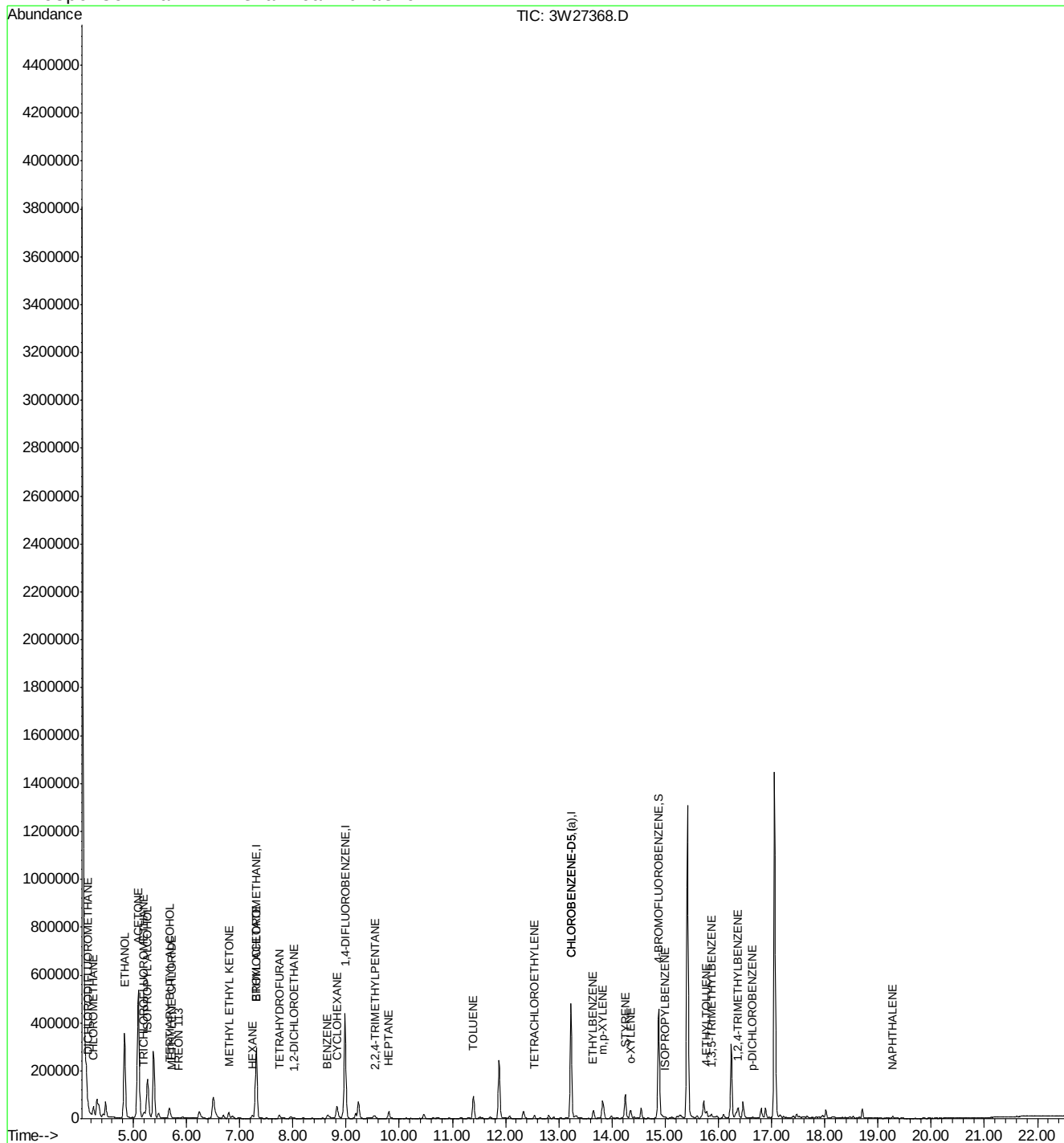
						Qvalue
5) DICHLORODIFLUOROMETHANE	4.15	85	18829	0.54	PPBV	99
8) CHLOROMETHANE	4.25	50	8271	0.52	PPBV	98
18) TRICHLOROFLUOROMETHANE	5.20	101	25471	0.81	PPBV	99
19) ISOPROPYL ALCOHOL	5.27	45	226285	8.66	PPBV	99
20) ACETONE	5.10	58	190469	27.34	PPBV #	81
26) ETHANOL	4.83	45	503821	70.92	PPBV	97
29) METHYLENE CHLORIDE	5.72	84	3578	0.27	PPBV	90
31) FREON 113	5.85	151	1467	0.07	PPBV	98
33) TERTIARY BUTYL ALCOHOL	5.67	59	11201	0.39	PPBV #	1
35) TETRAHYDROFURAN	7.75	72	4055	0.65	PPBV #	88
36) HEXANE	7.24	57	7211	0.31	PPBV #	78
39) METHYL ETHYL KETONE	6.79	72	9517	1.56	PPBV #	81
42) ETHYL ACETATE	7.32	61	8400	2.08	PPBV #	93
48) 1,2-DICHLOROETHANE	8.02	62	1565	0.10	PPBV #	88
50) BENZENE	8.65	78	12083	0.26	PPBV	97
51) CYCLOHEXANE	8.83	84	26128	1.26	PPBV	86
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	9209	0.13	PPBV #	19
60) HEPTANE	9.80	43	17092	0.59	PPBV	94
65) TOLUENE	11.39	92	49313	1.71	PPBV	99
71) TETRACHLOROETHYLENE	12.54	164	3607	0.24	PPBV	94
77) ETHYLBENZENE	13.65	91	26643	0.54	PPBV	99
78) m,p-XYLENE	13.83	106	30369	1.62	PPBV	97
79) o-XYLENE	14.35	106	10821	0.60	PPBV	97
80) STYRENE	14.25	104	66763	2.64	PPBV	99
86) ISOPROPYLBENZENE	15.00	105	4535	0.10	PPBV	100
90) 4-ETHYLTOLUENE	15.77	105	15776m	0.40	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	11476	0.35	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	29569	1.03	PPBV #	32
97) p-DICHLOROBENZENE	16.65	146	1728	0.10	PPBV #	83
106) NAPHTHALENE	19.27	128	1031	0.19	PPBV #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27368.D M3W1065.M Thu Apr 05 10:10:35 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27368.D Vial: 6
Acq On : 5 Apr 2012 1:55 am Operator: yunxiac
Sample : JB2710-2 Inst : MS3W
Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 9:58 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

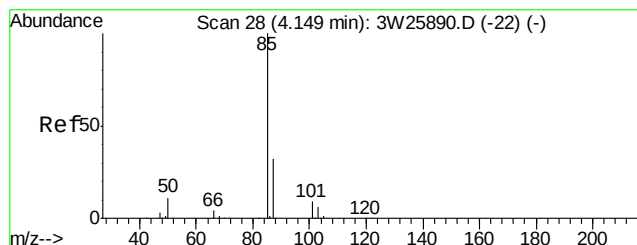


3W27368.D M3W1065.M

Thu Apr 05 10:10:35 2012

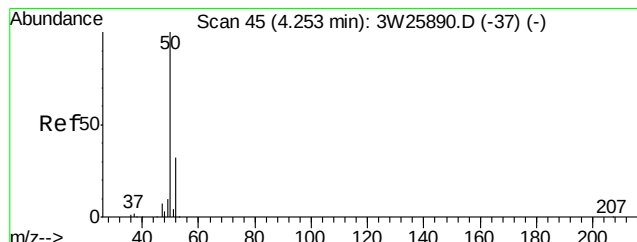
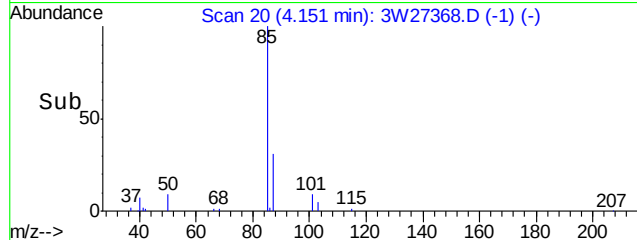
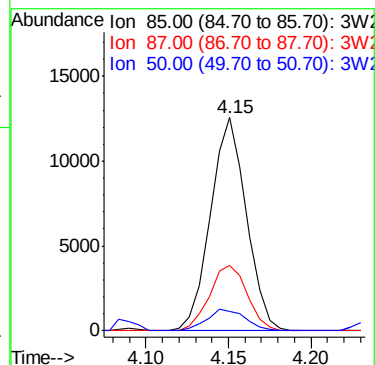
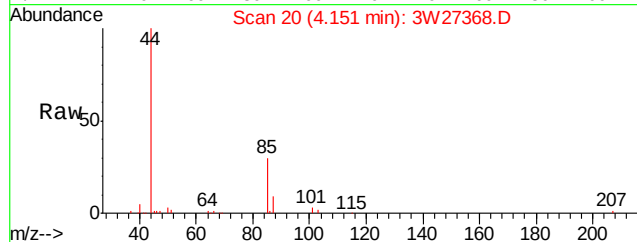
MSW

Page 2



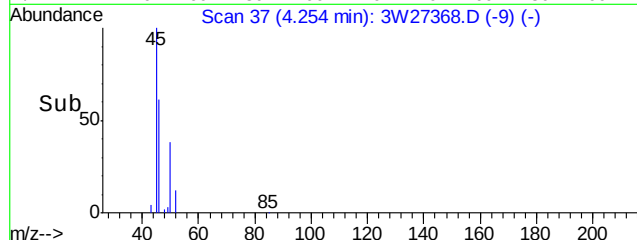
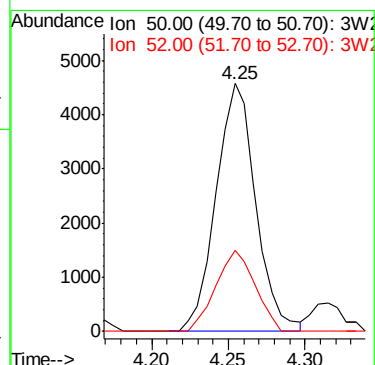
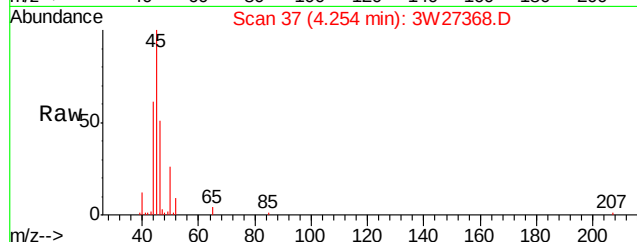
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.54 PPBV
 RT: 4.15 min Scan# 20
 Delta R.T. -0.01 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

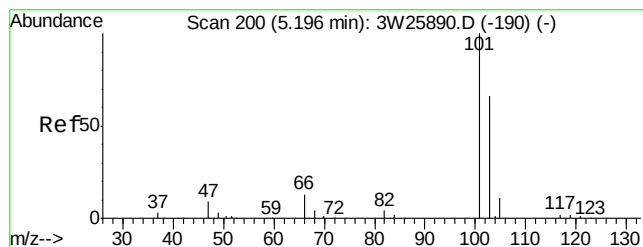
Tgt Ion:	85	Resp:	18829
Ion Ratio	Lower	Upper	
85	100		
87	32.3	12.4	52.4
50	11.0	0.0	31.8



#8
 CHLOROMETHANE
 Concen: 0.52 PPBV
 RT: 4.25 min Scan# 37
 Delta R.T. -0.01 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

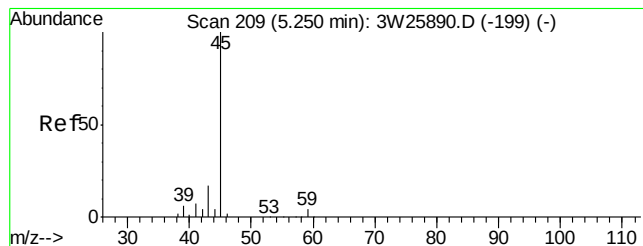
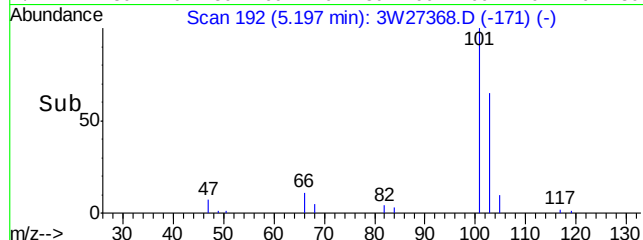
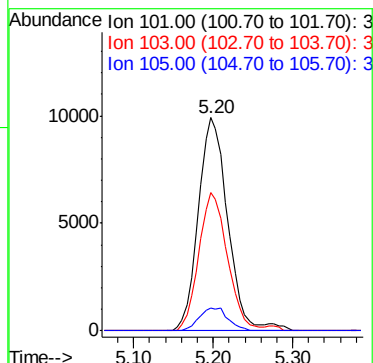
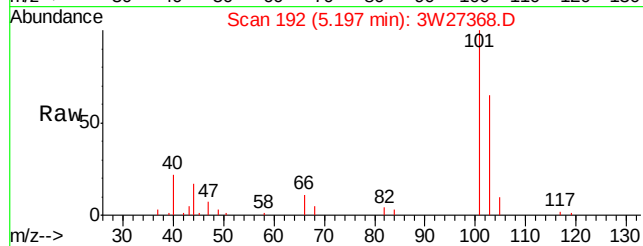
Tgt Ion:	50	Resp:	8271
Ion Ratio	Lower	Upper	
50	100		
52	33.6	12.4	52.4





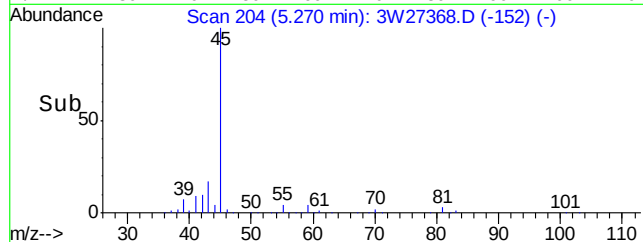
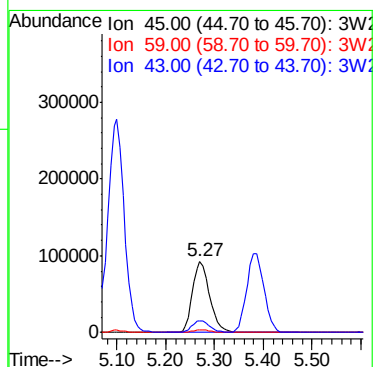
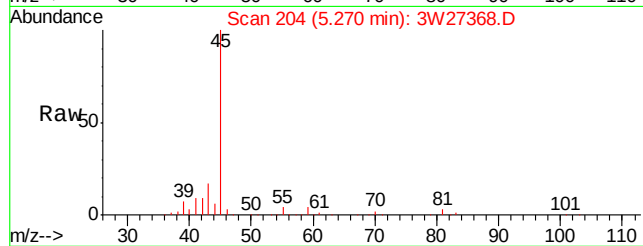
#18
TRICHLOROFLUOROMETHANE
Concen: 0.81 PPBV
RT: 5.20 min Scan# 192
Delta R.T. -0.00 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

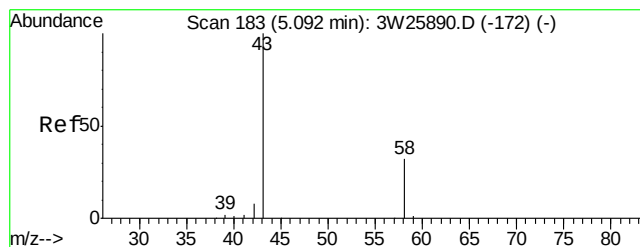
Tgt Ion:	101	Resp:	25471
Ion Ratio	Lower	Upper	
101	100		
103	64.2	45.0	85.0
105	10.4	0.0	30.7



#19
ISOPROPYL ALCOHOL
Concen: 8.66 PPBV
RT: 5.27 min Scan# 204
Delta R.T. 0.02 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

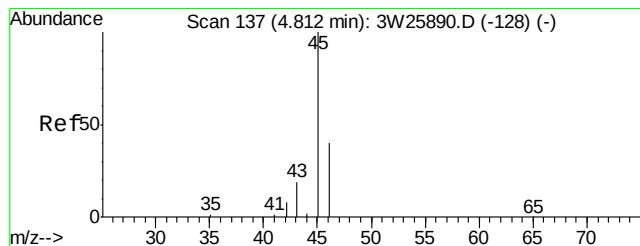
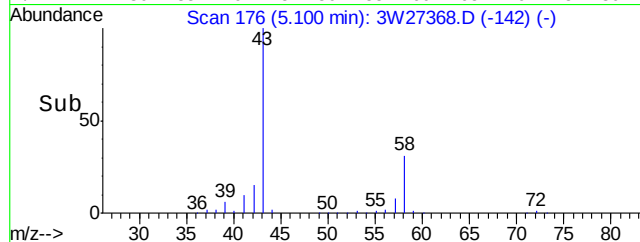
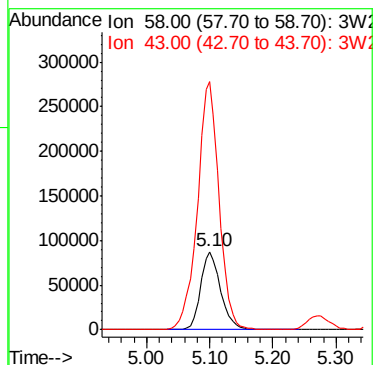
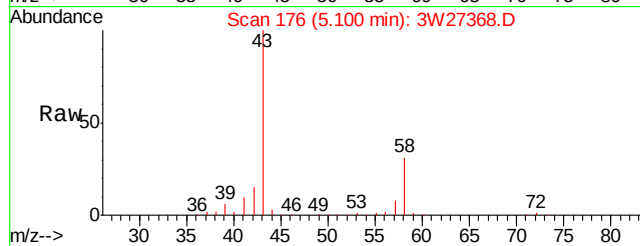
Tgt Ion:	45	Resp:	226285
Ion Ratio	Lower	Upper	
45	100		
59	4.2	0.0	23.9
43	16.7	0.0	37.3





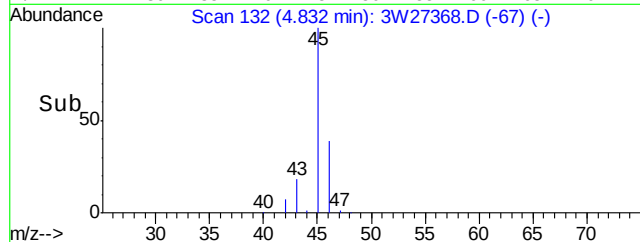
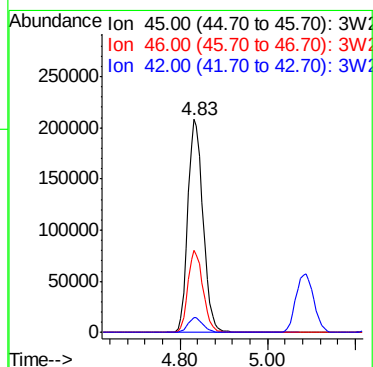
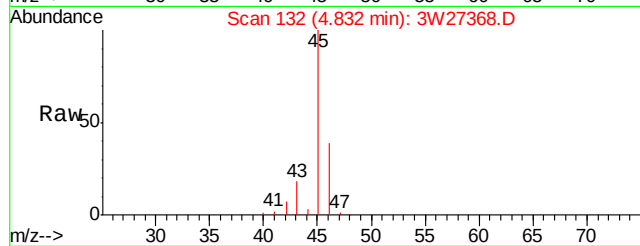
#20
ACETONE
Concen: 27.34 PPBV
RT: 5.10 min Scan# 176
Delta R.T. 0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

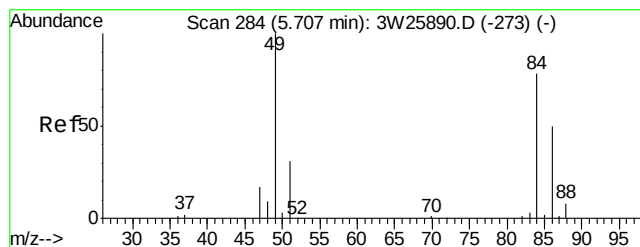
Tgt Ion: 58 Resp: 190469
Ion Ratio Lower Upper
58 100
43 346.8 289.4 329.4#



#26
ETHANOL
Concen: 70.92 PPBV
RT: 4.83 min Scan# 132
Delta R.T. 0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

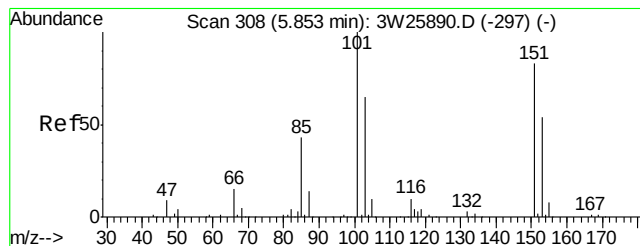
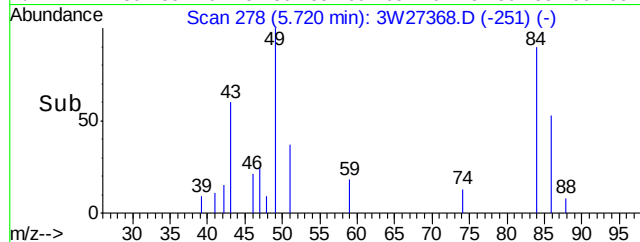
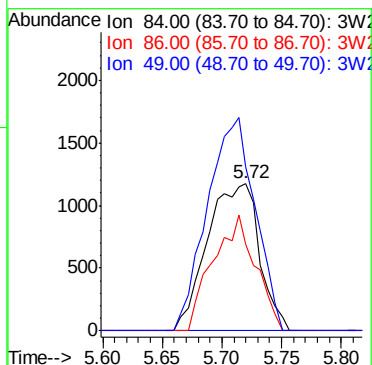
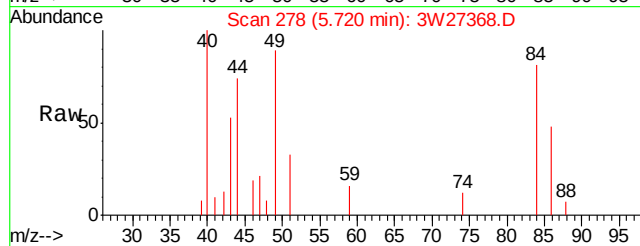
Tgt Ion: 45 Resp: 503821
Ion Ratio Lower Upper
45 100
46 38.3 17.5 57.5
42 6.9 0.0 29.8





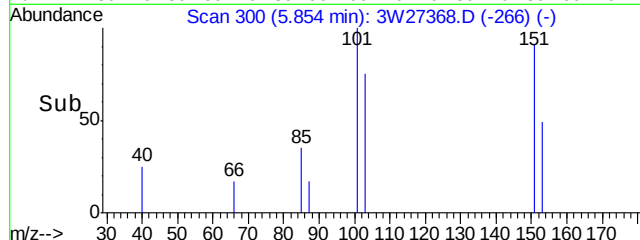
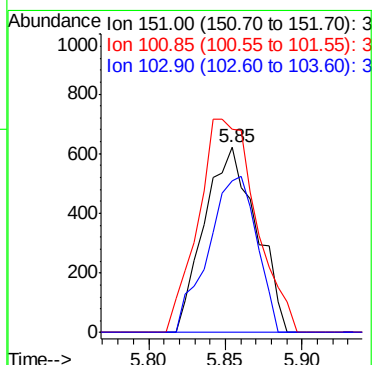
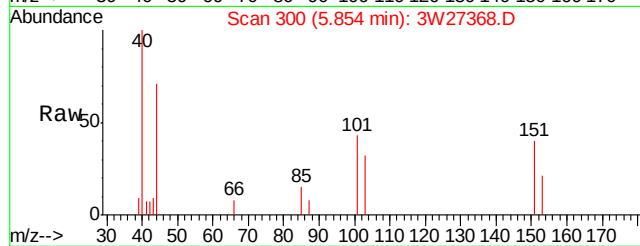
#29
METHYLENE CHLORIDE
Concen: 0.27 PPBV
RT: 5.72 min Scan# 278
Delta R.T. 0.02 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

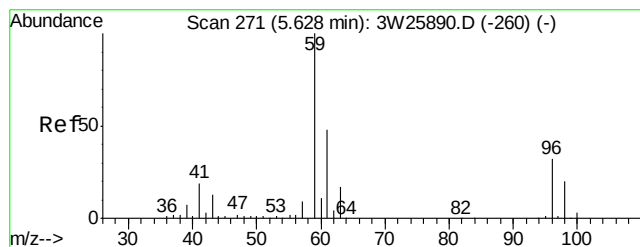
Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.3	43.9	83.9
49	133.4	0.0	350.8



#31
FREON 113
Concen: 0.07 PPBV
RT: 5.85 min Scan# 300
Delta R.T. -0.00 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

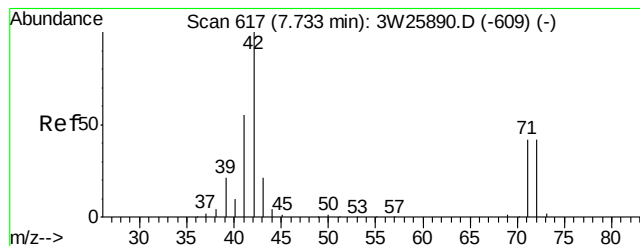
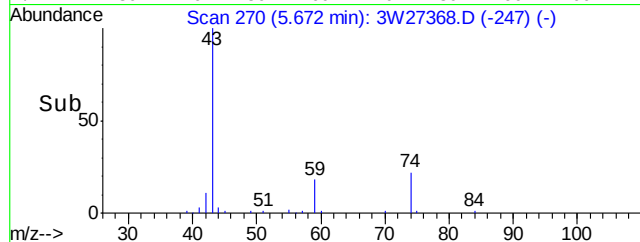
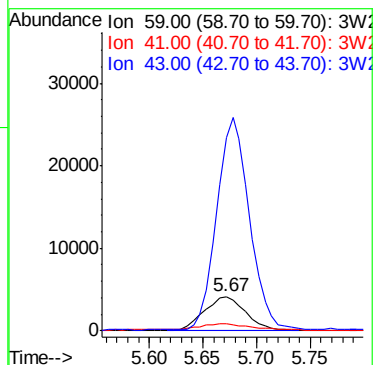
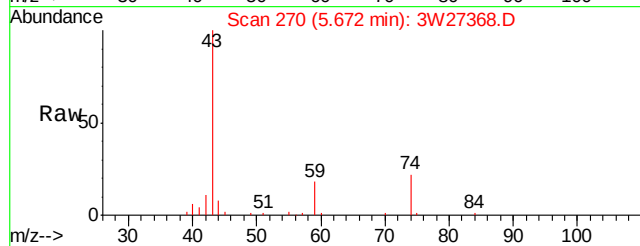
Tgt Ion	Ratio	Lower	Upper
151	100		
101	128.3	107.4	147.4
103	78.9	62.5	102.5





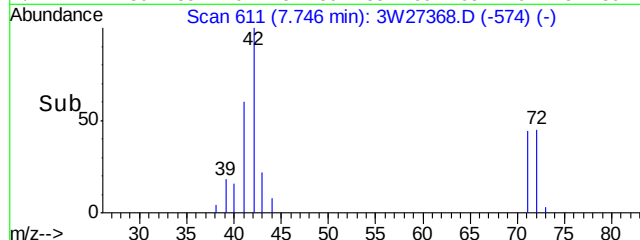
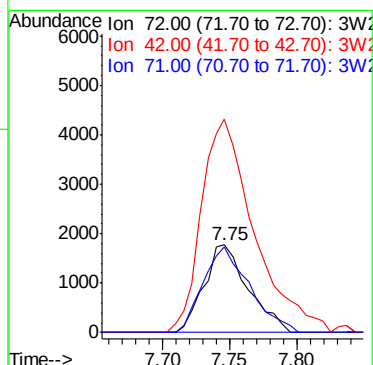
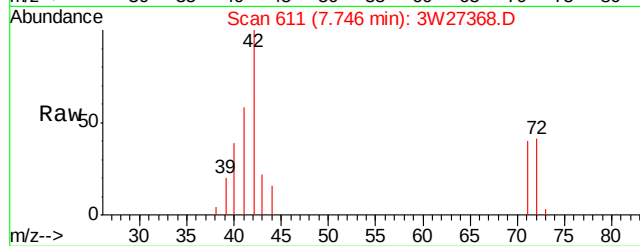
#33
TERTIARY BUTYL ALCOHOL
Concen: 0.39 PPBV
RT: 5.67 min Scan# 270
Delta R.T. 0.04 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

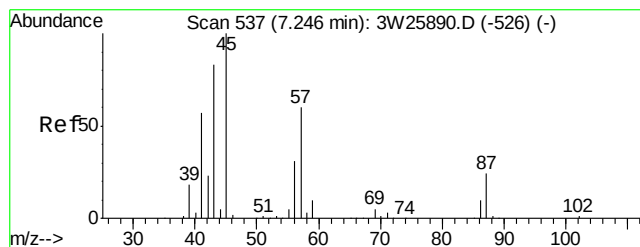
Tgt Ion	Ratio	Lower	Upper
59	100		
41	27.8	1.1	41.1
43	503.2	0.0	33.4#



#35
TETRAHYDROFURAN
Concen: 0.65 PPBV
RT: 7.75 min Scan# 611
Delta R.T. 0.02 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

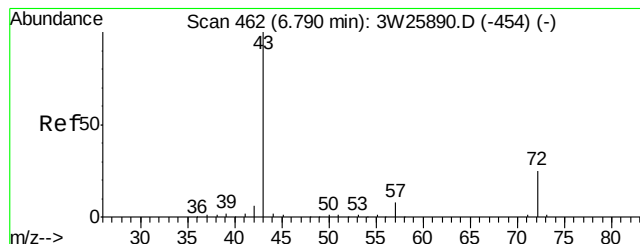
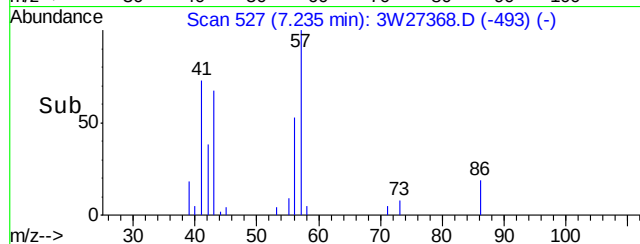
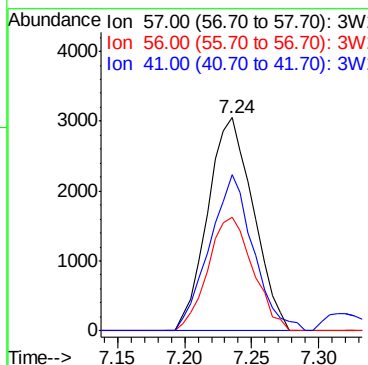
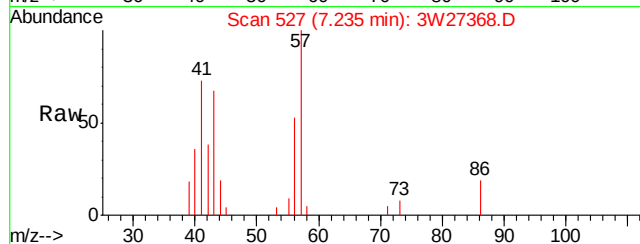
Tgt Ion	Ratio	Lower	Upper
72	100		
42	288.8	242.5	282.5#
71	102.5	76.8	116.8





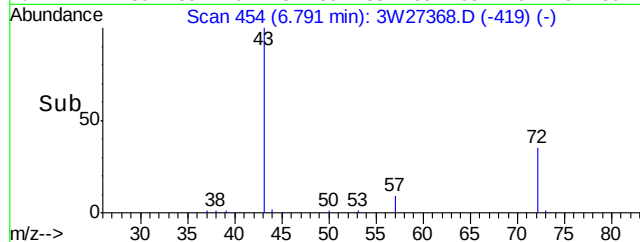
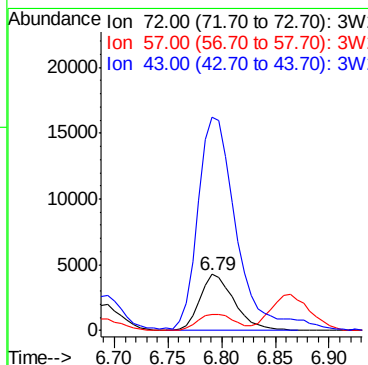
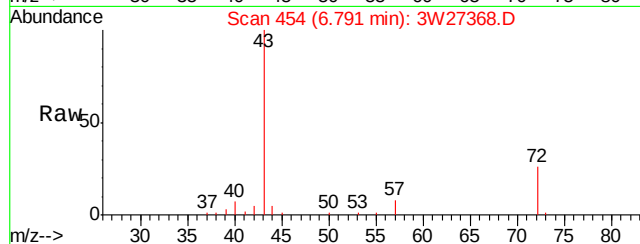
#36
 HEXANE
 Concen: 0.31 PPBV
 RT: 7.24 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

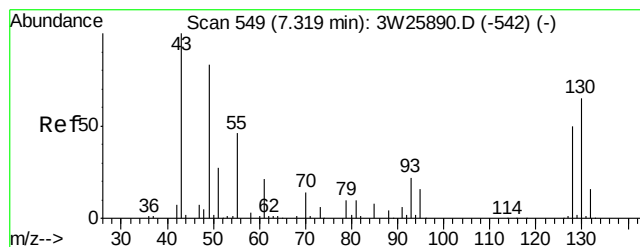
Tgt Ion	Ratio	Lower	Upper
57	100		
56	52.4	31.3	71.3
41	70.1	83.4	123.4#



#39
 METHYL ETHYL KETONE
 Concen: 1.56 PPBV
 RT: 6.79 min Scan# 454
 Delta R.T. 0.01 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

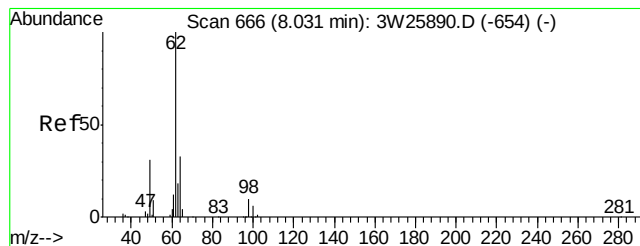
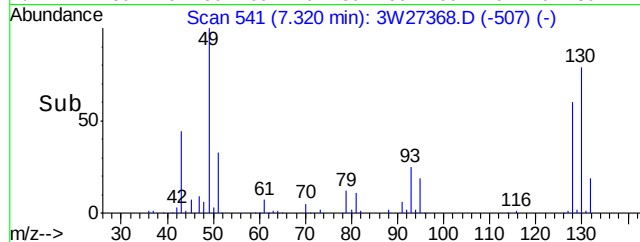
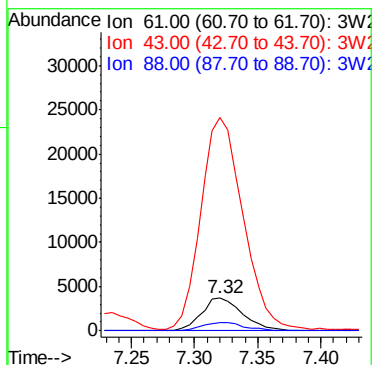
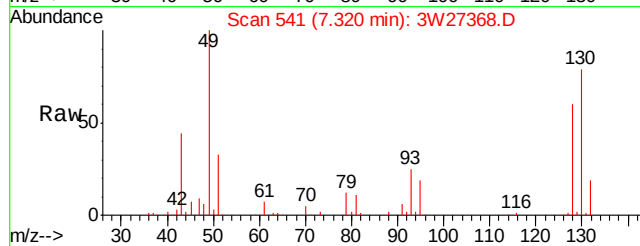
Tgt Ion	Ratio	Lower	Upper
72	100		
57	29.7	11.7	51.7
43	380.8	411.3	451.3#





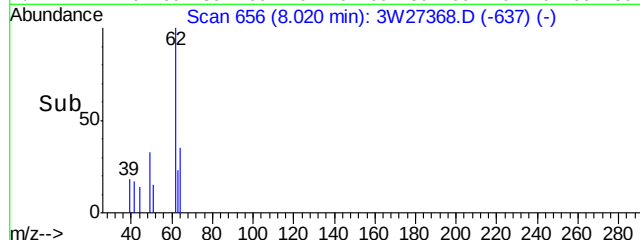
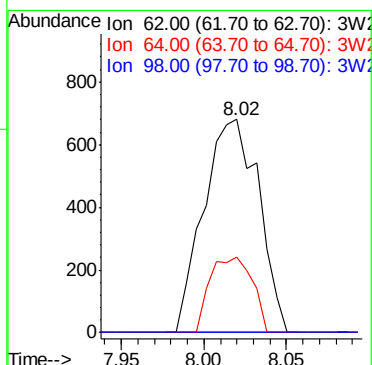
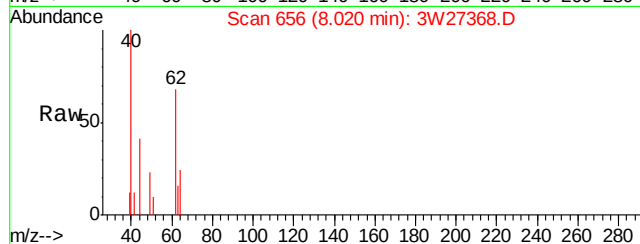
#42
ETHYL ACETATE
Concen: 2.08 PPBV
RT: 7.32 min Scan# 541
Delta R.T. 0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

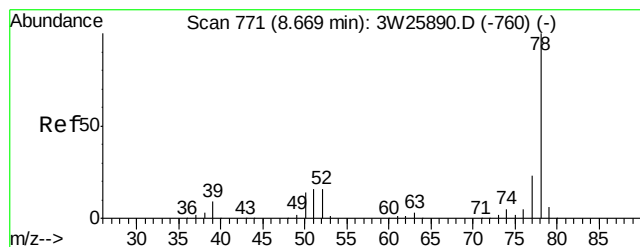
Tgt Ion	Ratio	Lower	Upper
61	100		
43	678.8	683.1	723.1#
88	25.3	4.0	44.0



#48
1,2-DICHLOROETHANE
Concen: 0.10 PPBV
RT: 8.02 min Scan# 656
Delta R.T. -0.00 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

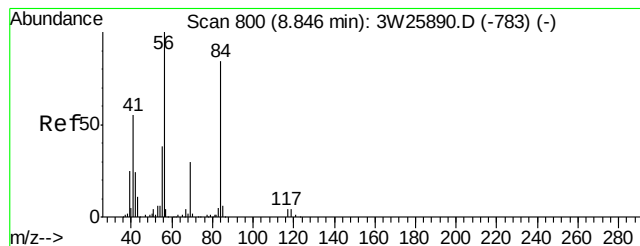
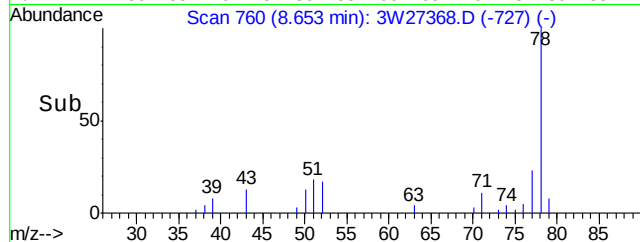
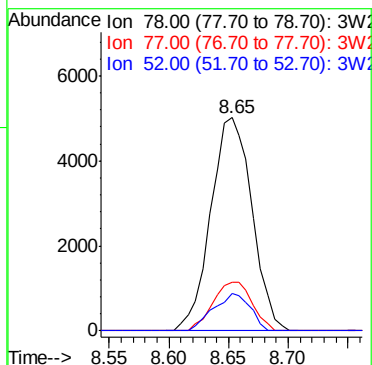
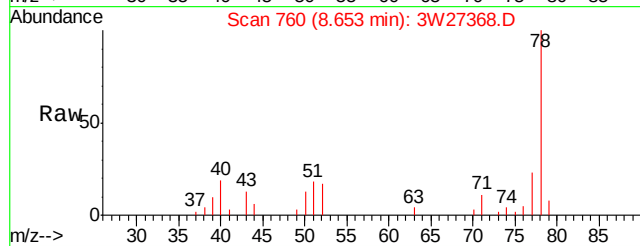
Tgt Ion	Ratio	Lower	Upper
62	100		
64	27.3	12.3	52.3
98	0.0	0.0	29.0





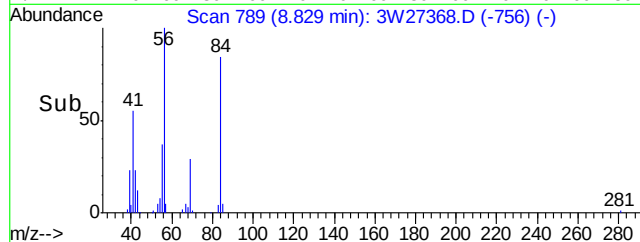
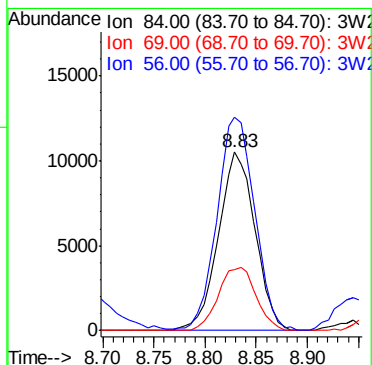
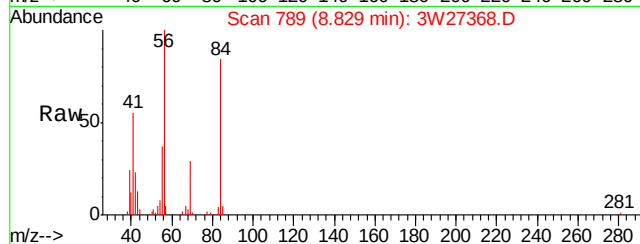
#50
 BENZENE
 Concen: 0.26 PPBV
 RT: 8.65 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

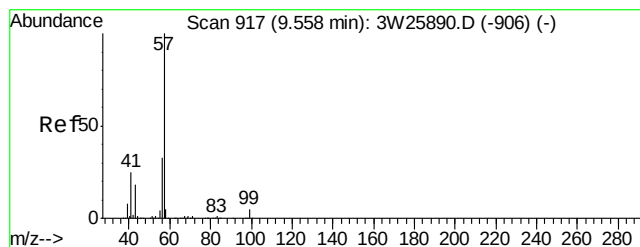
Tgt Ion:	78	Resp:	12083
Ion Ratio	Lower	Upper	
78	100		
77	21.9	3.2	43.2
52	15.6	0.0	36.9



#51
 CYCLOHEXANE
 Concen: 1.26 PPBV
 RT: 8.83 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: 3W27368.D
 Acq: 5 Apr 2012 1:55 am

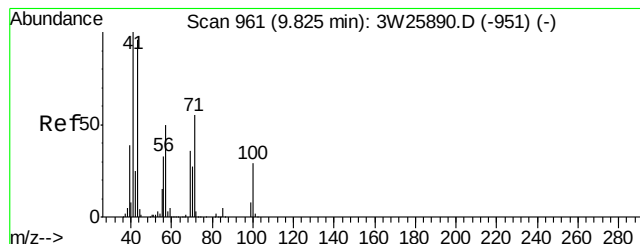
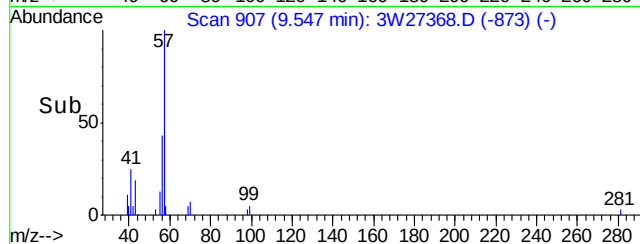
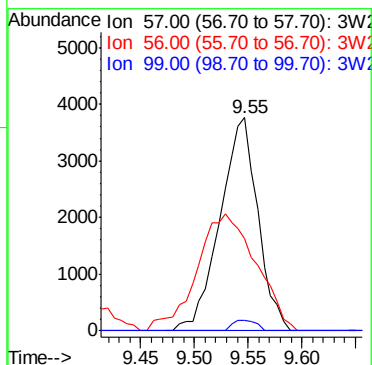
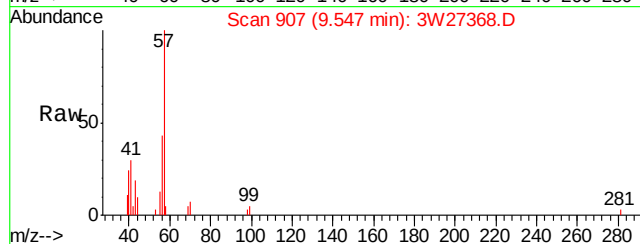
Tgt Ion:	84	Resp:	26128
Ion Ratio	Lower	Upper	
84	100		
69	36.5	12.0	52.0
56	123.0	86.6	126.6





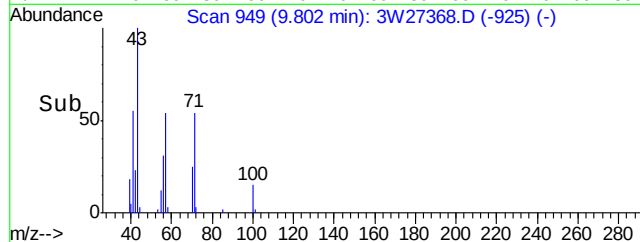
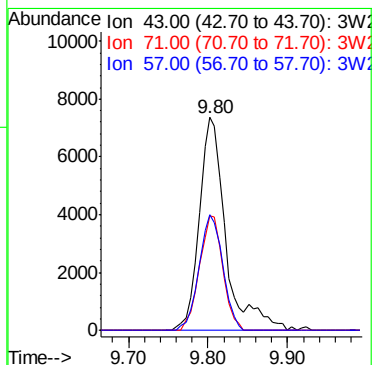
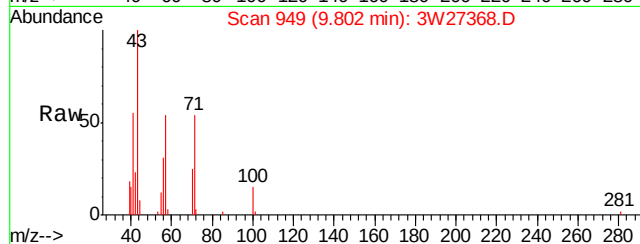
#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

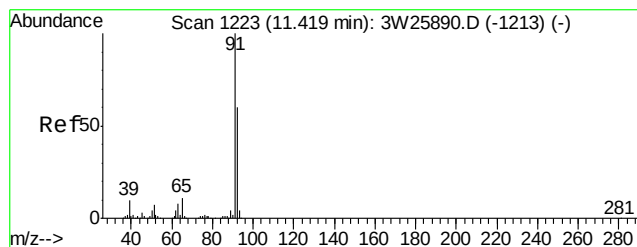
Tgt Ion	Ratio	Lower	Upper
57	100		
56	85.9	13.4	53.4
99	3.1	0.0	24.7



#60
HEPTANE
Concen: 0.59 PPBV
RT: 9.80 min Scan# 949
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

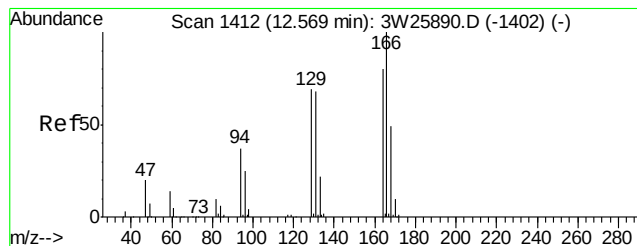
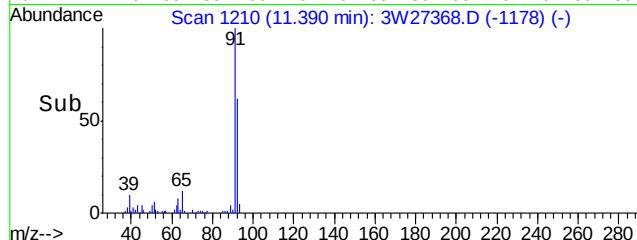
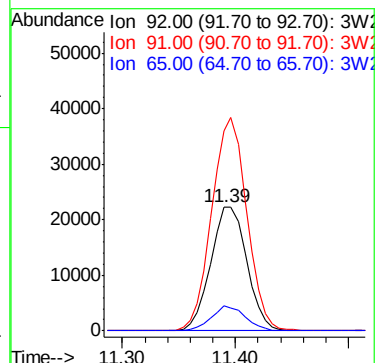
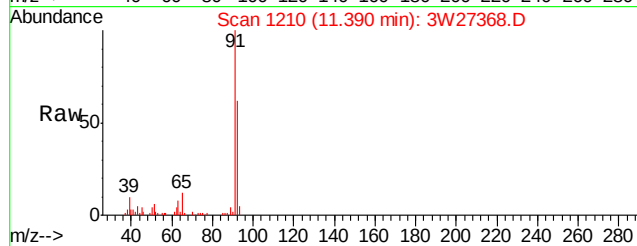
Tgt Ion	Ratio	Lower	Upper
43	100		
71	47.1	32.5	72.5
57	48.4	31.1	71.1





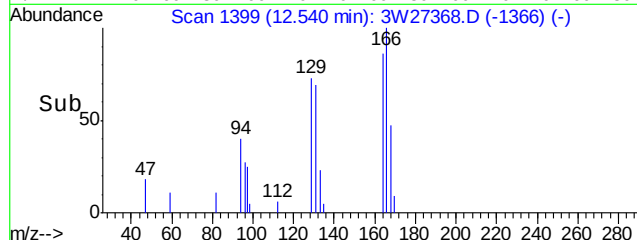
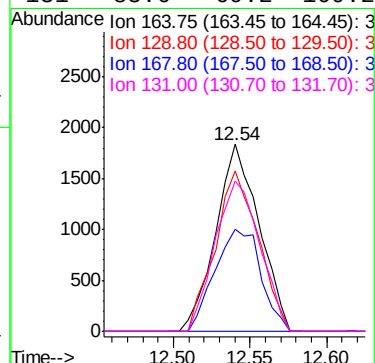
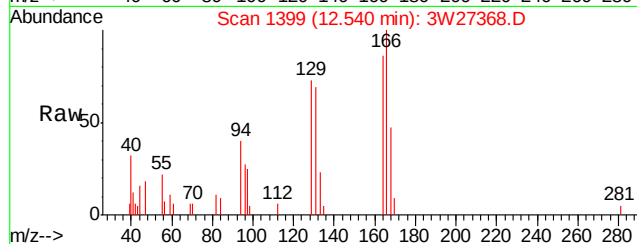
#65
TOLUENE
Concen: 1.71 PPBV
RT: 11.39 min Scan# 1210
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

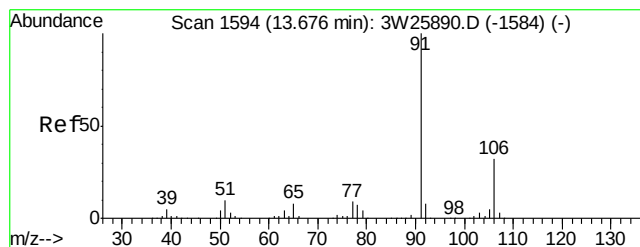
Tgt Ion:	92	Resp:	49313
Ion Ratio	Lower	Upper	
92	100		
91	167.7	148.5	188.5
65	18.9	2.8	42.8



#71
TETRACHLOROETHYLENE
Concen: 0.24 PPBV
RT: 12.54 min Scan# 1399
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

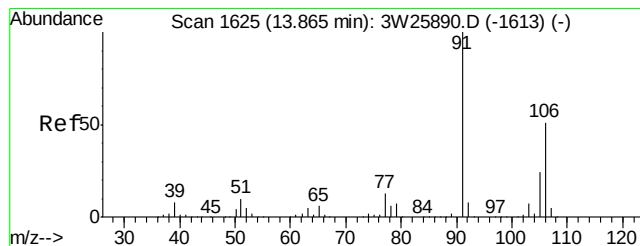
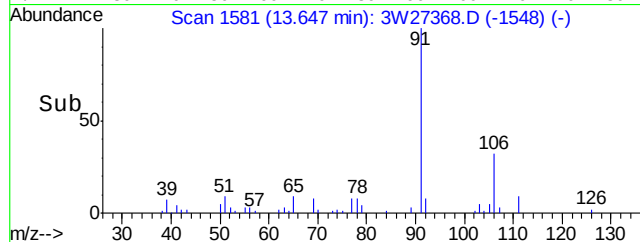
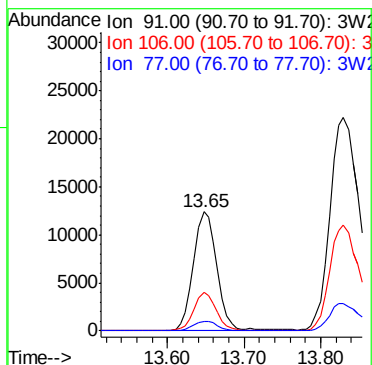
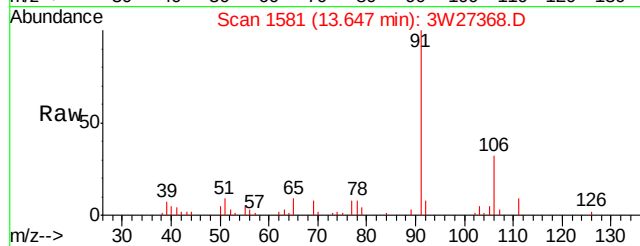
Tgt Ion:	164	Resp:	3607
Ion Ratio	Lower	Upper	
164	100		
129	85.5	71.9	111.9
168	58.3	41.4	81.4
131	83.6	69.2	109.2





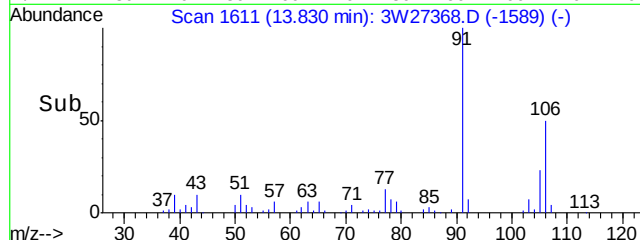
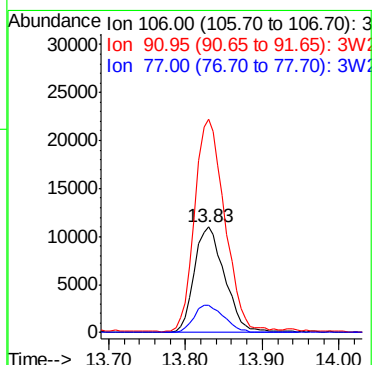
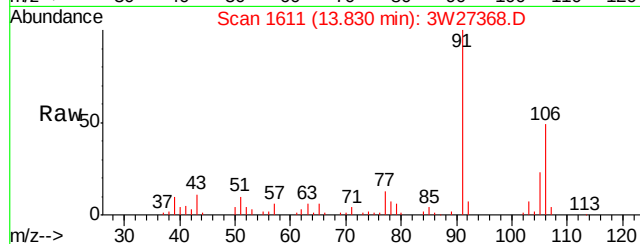
#77
ETHYLBENZENE
Concen: 0.54 PPBV
RT: 13.65 min Scan# 1581
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

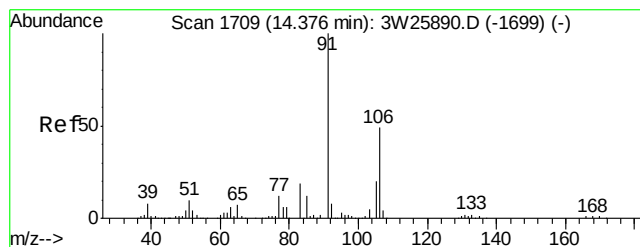
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	11.0	51.0
77	7.9	0.0	28.5



#78
m, p-XYLENE
Concen: 1.62 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

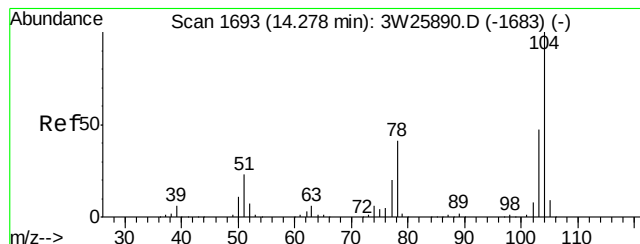
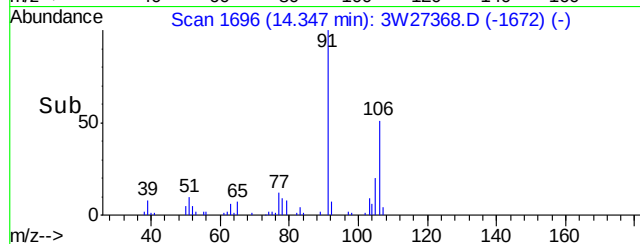
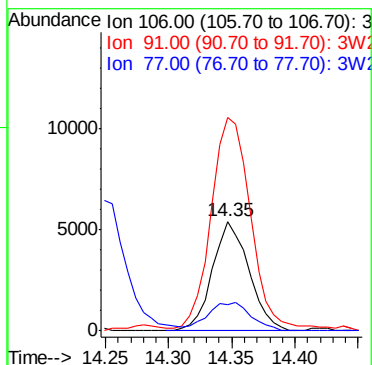
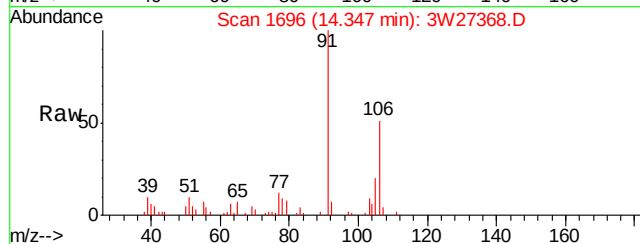
Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.1	177.2	217.2
77	26.0	6.3	46.3





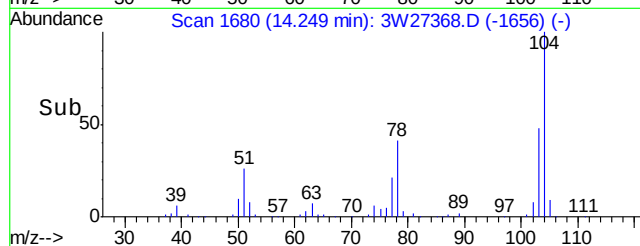
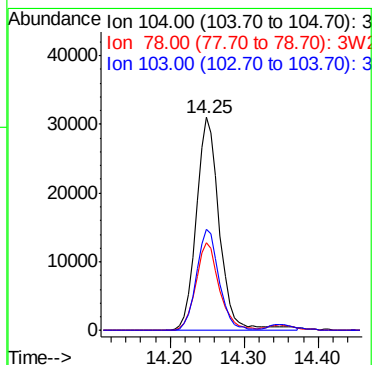
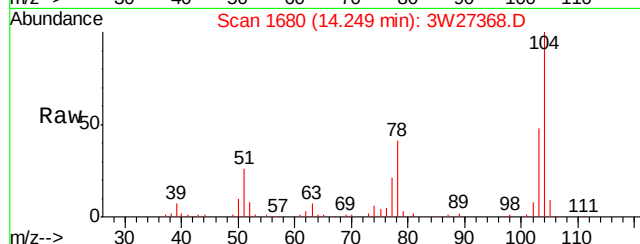
#79
o-XYLENE
Concen: 0.60 PPBV
RT: 14.35 min Scan# 1696
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

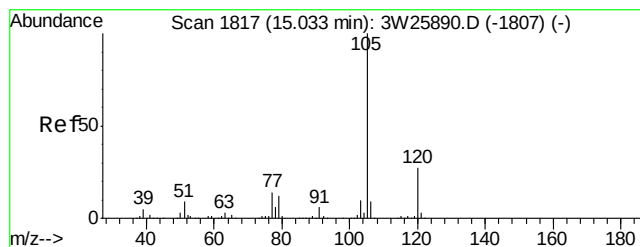
Tgt Ion:	106	Resp:	10821
Ion Ratio	Lower	Upper	
106	100		
91	215.7	192.3	232.3
77	31.0	6.3	46.3



#80
STYRENE
Concen: 2.64 PPBV
RT: 14.25 min Scan# 1680
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

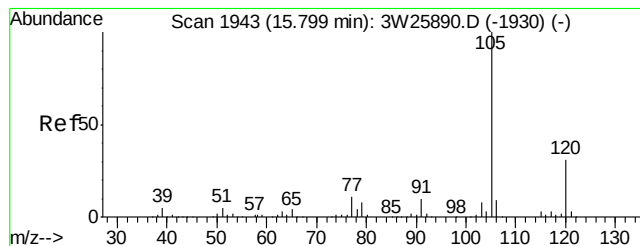
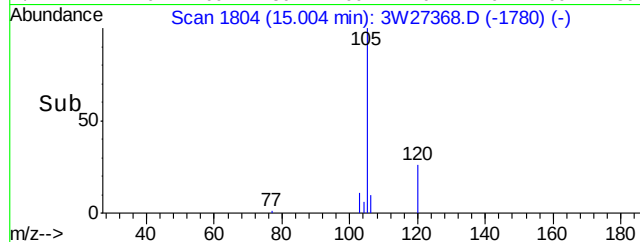
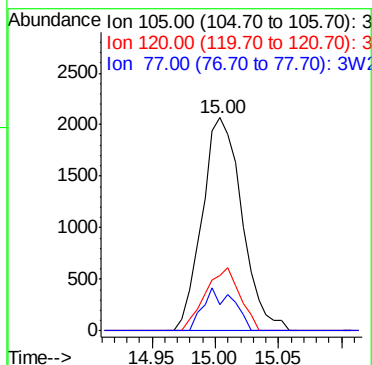
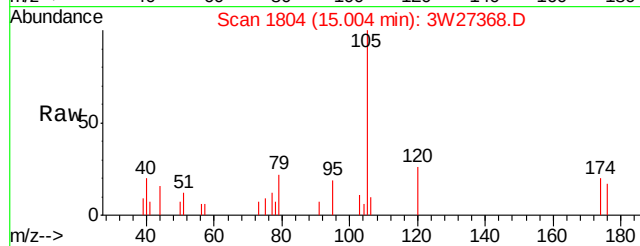
Tgt Ion:	104	Resp:	66763
Ion Ratio	Lower	Upper	
104	100		
78	41.5	22.1	62.1
103	46.3	27.0	67.0





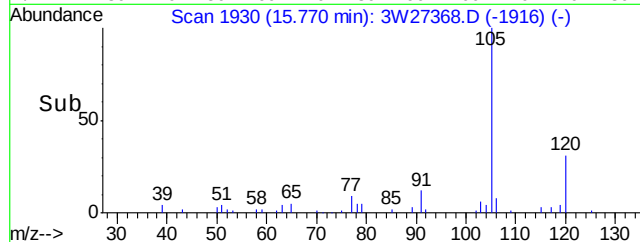
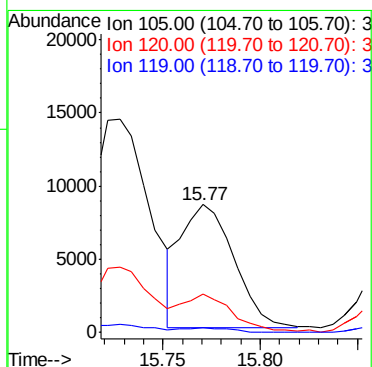
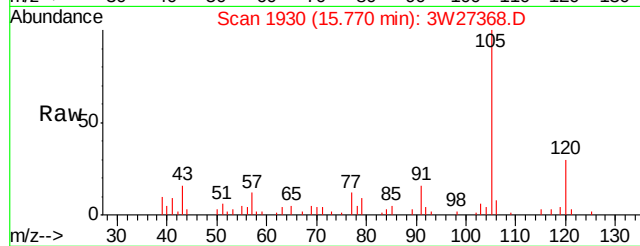
#86
ISOPROPYLBENZENE
Concen: 0.10 PPBV
RT: 15.00 min Scan# 1804
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

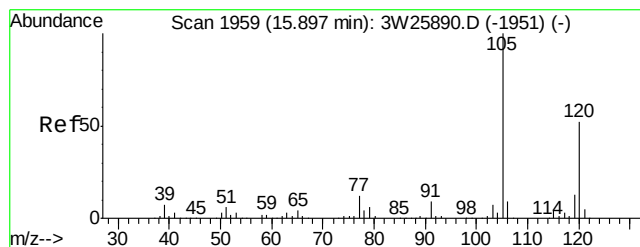
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.9	45.9
77	15.2	0.0	35.1



#90
4-ETHYLTOLUENE
Concen: 0.40 PPBV m
RT: 15.77 min Scan# 1930
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

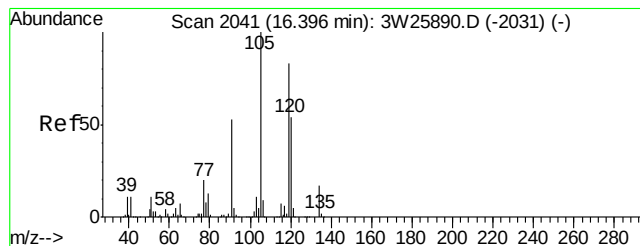
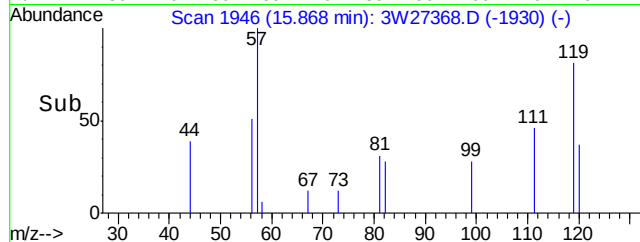
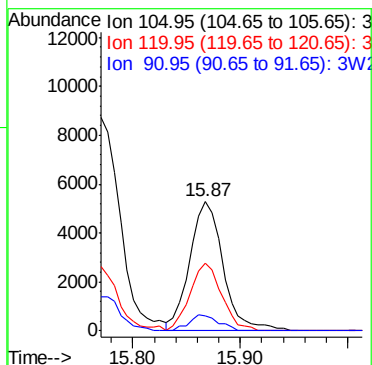
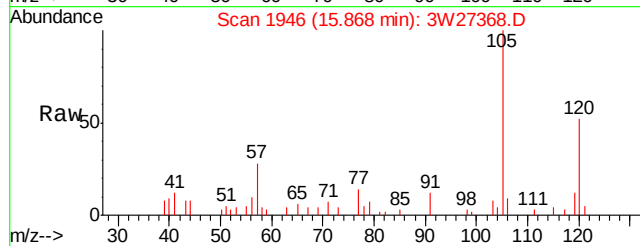
Tgt Ion	Ratio	Lower	Upper
105	100		
120	85.2	9.3	49.3#
119	11.2	0.0	22.4





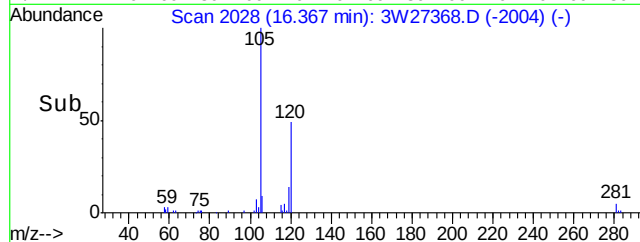
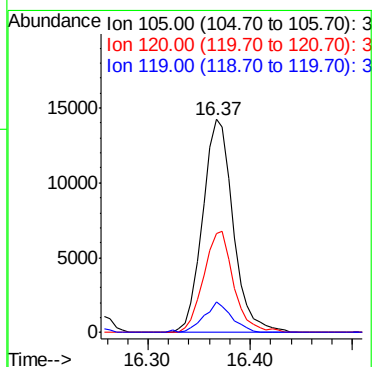
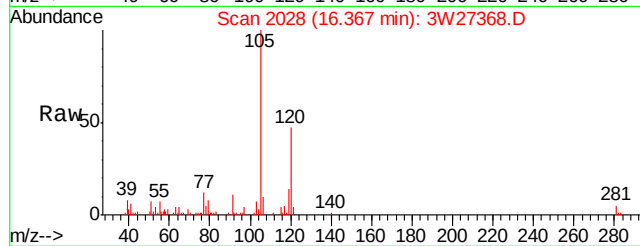
#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.35 PPBV
RT: 15.87 min Scan# 1946
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

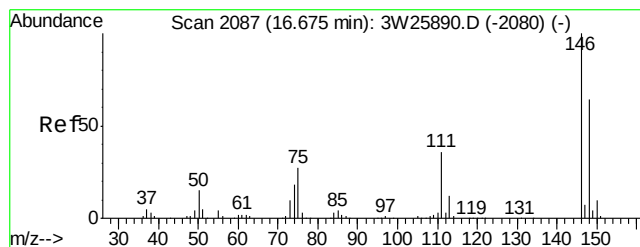
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	29.6	69.6
91	10.8	0.0	29.8



#94
1,2,4-TRIMETHYLBENZENE
Concen: 1.03 PPBV
RT: 16.37 min Scan# 2028
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

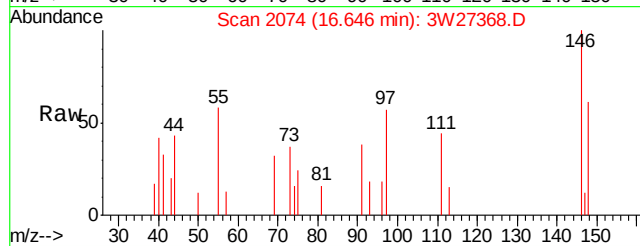
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.7	76.7
119	13.0	95.0	135.0#



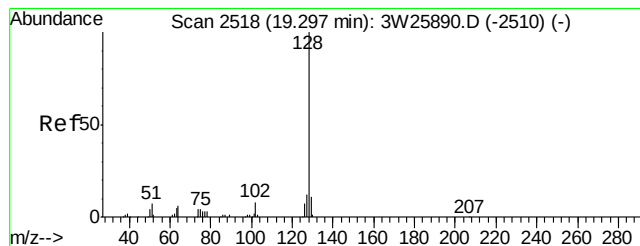
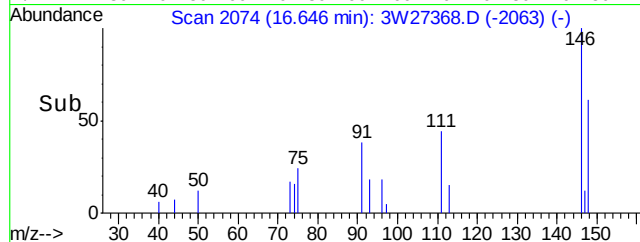
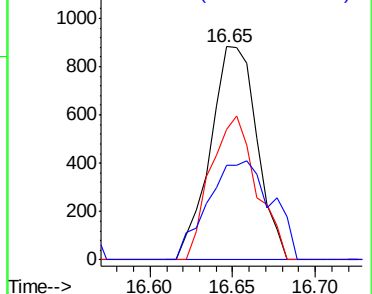


#97
p-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 16.65 min Scan# 2074
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

Tgt Ion:	146	Resp:	1728
Ion Ratio	Lower	Upper	
146	100		
148	66.2	43.9	83.9
111	62.8	18.1	58.1#

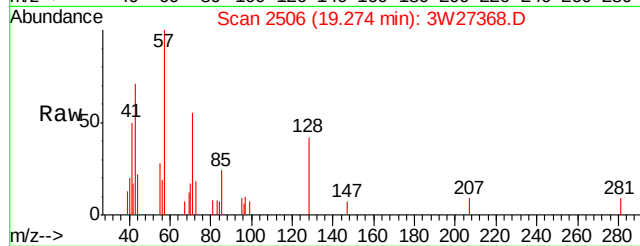


Abundance Ion 146.00 (145.70 to 146.70): 3
Ion 148.00 (147.70 to 148.70): 3
Ion 111.00 (110.70 to 111.70): 3

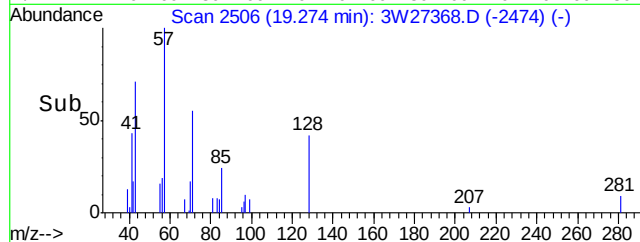
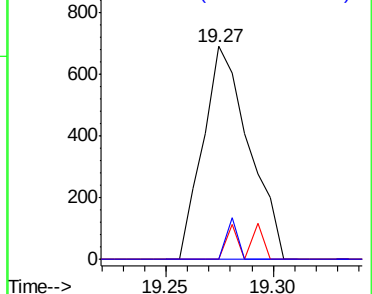


#106
NAPHTHALENE
Concen: 0.19 PPBV
RT: 19.27 min Scan# 2506
Delta R.T. -0.01 min
Lab File: 3W27368.D
Acq: 5 Apr 2012 1:55 am

Tgt Ion:	128	Resp:	1031
Ion Ratio	Lower	Upper	
128	100		
127	0.0	0.0	33.2
129	0.0	0.0	30.9



Abundance Ion 128.00 (127.70 to 128.70): 3
Ion 126.95 (126.65 to 127.65): 3
Ion 128.95 (128.65 to 129.65): 3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27369.D Vial: 7
 Acq On : 5 Apr 2012 2:36 am Operator: yunxiac
 Sample : JB2710-3 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:33 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.32	128	100391	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	8.99	114	456945	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	214712	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	214712	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE 14.88 95 222339 9.20 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 92.00%

Target Compounds

Qvalue

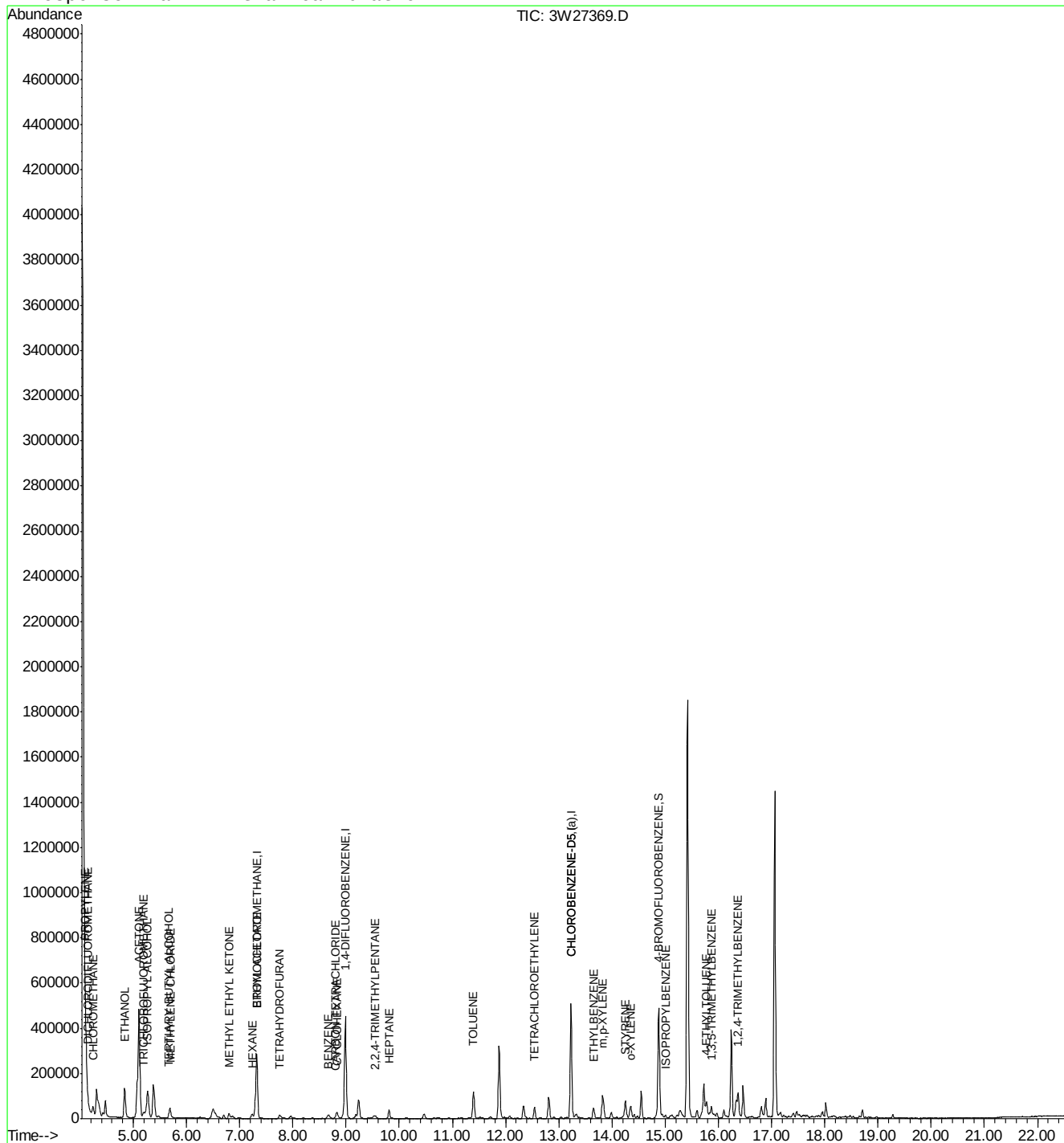
5) DICHLORODIFLUOROMETHANE	4.14	85	14458	0.39	PPBV	99
6) PROPYLENE	4.10	41	44061	3.10	PPBV	82
8) CHLOROMETHANE	4.25	50	8081	0.48	PPBV	96
18) TRICHLOROFLUOROMETHANE	5.20	101	30021	0.89	PPBV	100
19) ISOPROPYL ALCOHOL	5.27	45	156689	5.63	PPBV	99
20) ACETONE	5.11	58	204697	27.57	PPBV	92
26) ETHANOL	4.84	45	176961	23.37	PPBV	98
29) METHYLENE CHLORIDE	5.70	84	5585	0.40	PPBV	88
33) TERTIARY BUTYL ALCOHOL	5.67	59	11289	0.37	PPBV #	77
35) TETRAHYDROFURAN	7.75	72	5129	0.77	PPBV #	89
36) HEXANE	7.23	57	13367	0.54	PPBV #	78
39) METHYL ETHYL KETONE	6.80	72	8729	1.34	PPBV	96
42) ETHYL ACETATE	7.33	61	5255	1.22	PPBV #	91
47) CARBON TETRACHLORIDE	8.79	117	2713	0.10	PPBV	99
50) BENZENE	8.65	78	12321	0.26	PPBV	99
51) CYCLOHEXANE	8.83	84	14573	0.68	PPBV	85
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	10202	0.14	PPBV #	19
60) HEPTANE	9.81	43	21860	0.72	PPBV	98
65) TOLUENE	11.40	92	61121	2.04	PPBV	98
71) TETRACHLOROETHYLENE	12.55	164	14545	0.92	PPBV	98
77) ETHYLBENZENE	13.65	91	31822	0.60	PPBV	98
78) m,p-XYLENE	13.83	106	37634	1.90	PPBV	99
79) o-XYLENE	14.35	106	15196	0.80	PPBV	98
80) STYRENE	14.25	104	50703	1.89	PPBV	97
86) ISOPROPYLBENZENE	15.00	105	11591	0.24	PPBV	98
90) 4-ETHYLTOLUENE	15.77	105	41796m	1.00	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	32409	0.94	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	73553	2.42	PPBV #	33

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27369.D M3W1065.M Thu Apr 05 10:10:41 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27369.D Vial: 7
Acq On : 5 Apr 2012 2:36 am Operator: yunxiac
Sample : JB2710-3 Inst : MS3W
Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 10:01 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

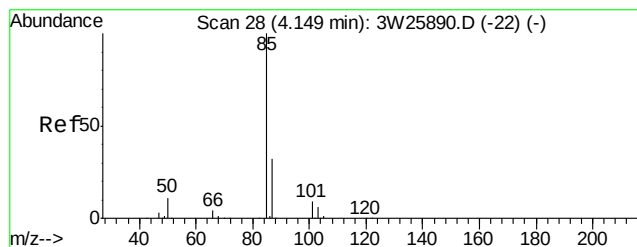


3W27369.D M3W1065.M

Thu Apr 05 10:10:41 2012

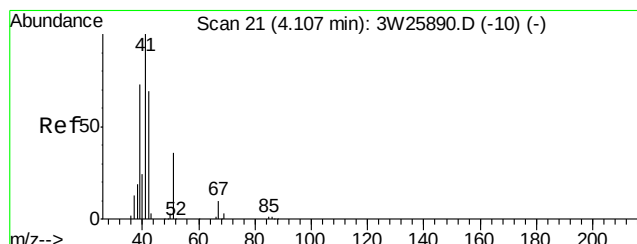
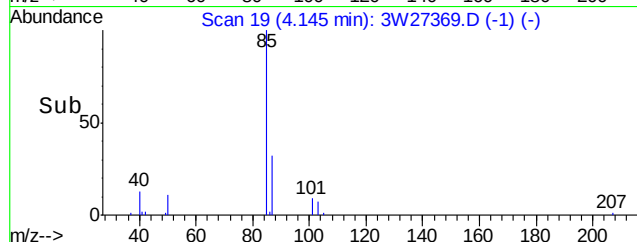
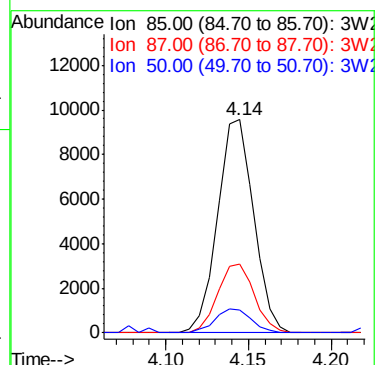
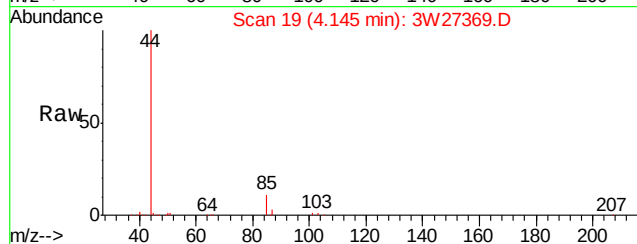
MSW

Page 2



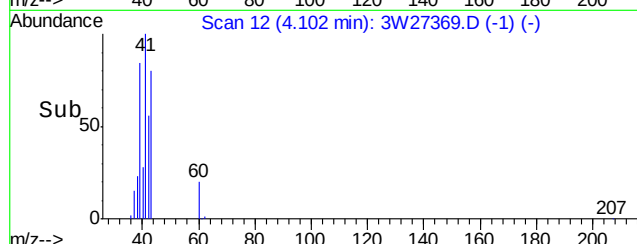
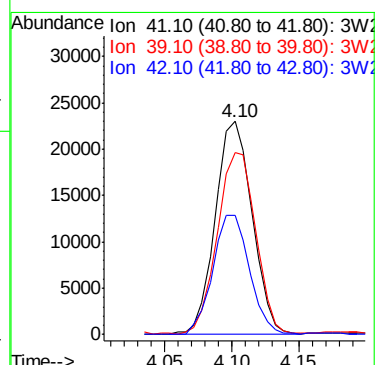
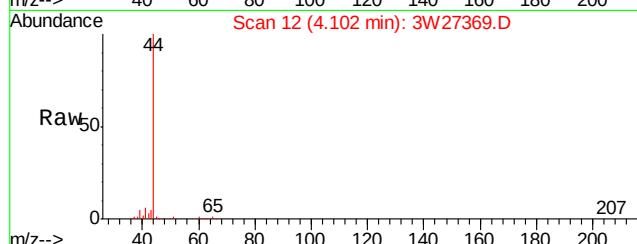
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.39 PPBV
 RT: 4.14 min Scan# 19
 Delta R.T. -0.02 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

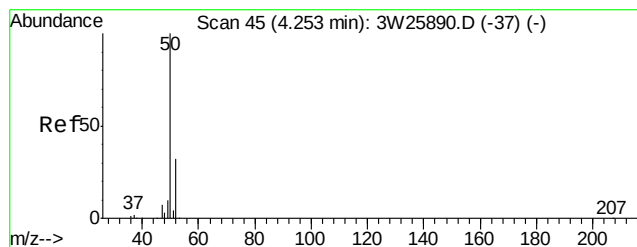
Tgt Ion:	85	Resp:	14458
Ion Ratio	Lower	Upper	
85	100		
87	32.5	12.4	52.4
50	11.3	0.0	31.8



#6
 PROPYLENE
 Concen: 3.10 PPBV
 RT: 4.10 min Scan# 12
 Delta R.T. -0.01 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

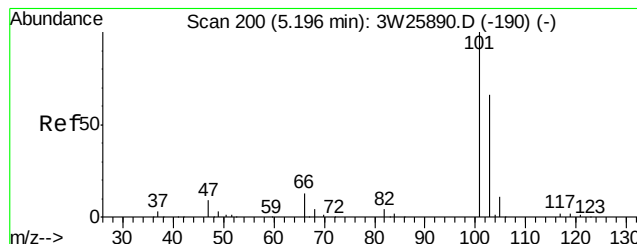
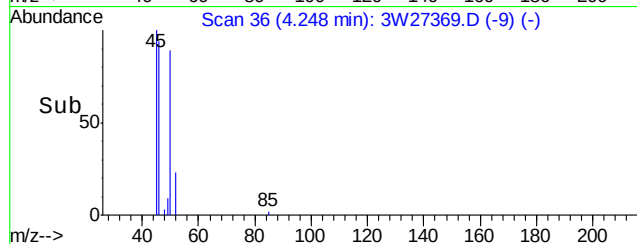
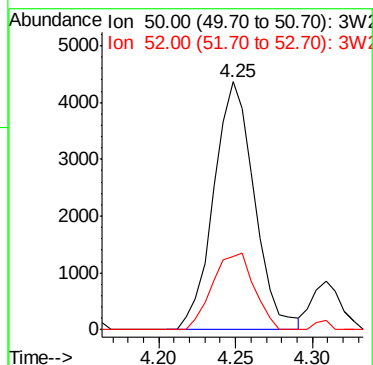
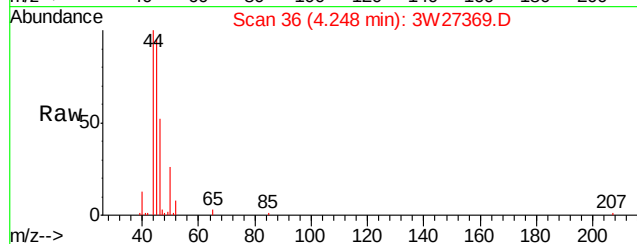
Tgt Ion:	41	Resp:	44061
Ion Ratio	Lower	Upper	
41	100		
39	88.8	50.1	90.1
42	55.7	45.6	85.6





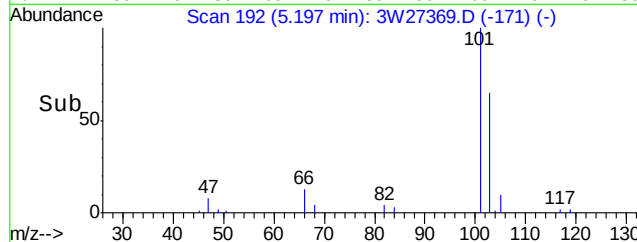
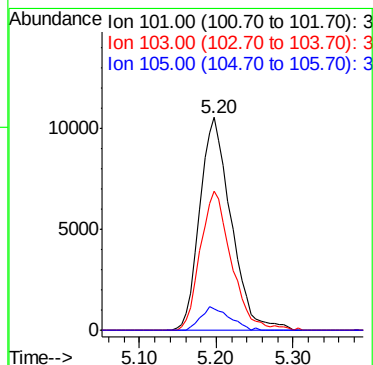
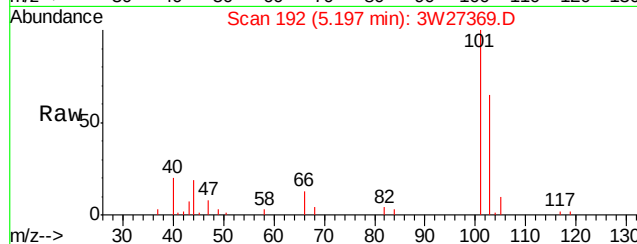
#8
 CHLOROMETHANE
 Concen: 0.48 PPBV
 RT: 4.25 min Scan# 36
 Delta R.T. -0.02 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

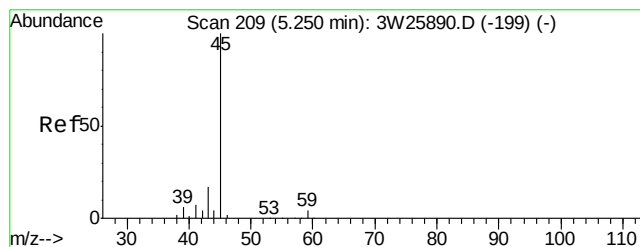
Tgt Ion: 50 Resp: 8081
 Ion Ratio Lower Upper
 50 100
 52 30.3 12.4 52.4



#18
 TRICHLOROFLUOROMETHANE
 Concen: 0.89 PPBV
 RT: 5.20 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

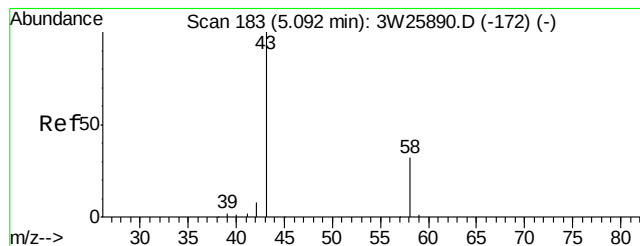
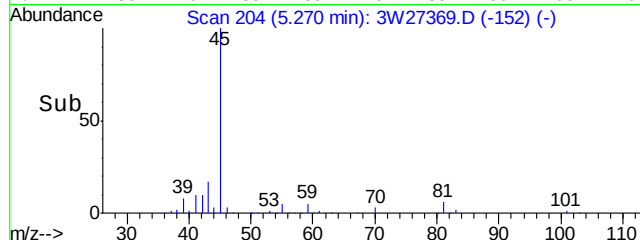
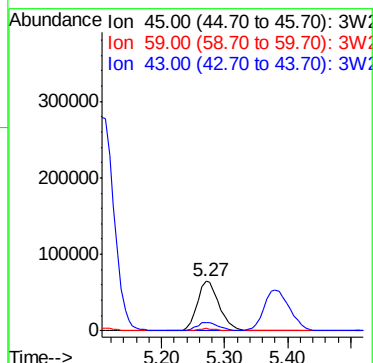
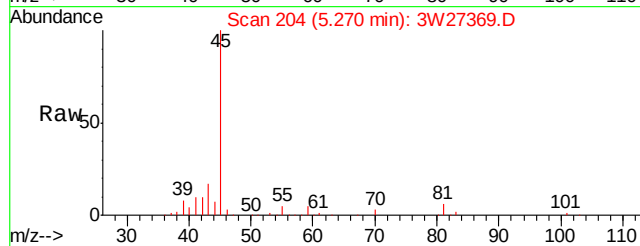
Tgt Ion: 101 Resp: 30021
 Ion Ratio Lower Upper
 101 100
 103 64.9 45.0 85.0
 105 10.1 0.0 30.7





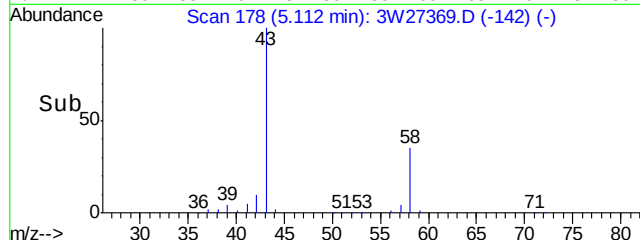
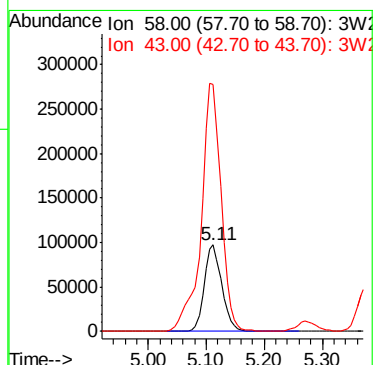
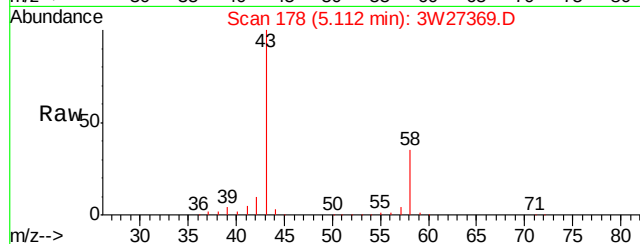
#19
ISOPROPYL ALCOHOL
Concen: 5.63 PPBV
RT: 5.27 min Scan# 204
Delta R.T. 0.02 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

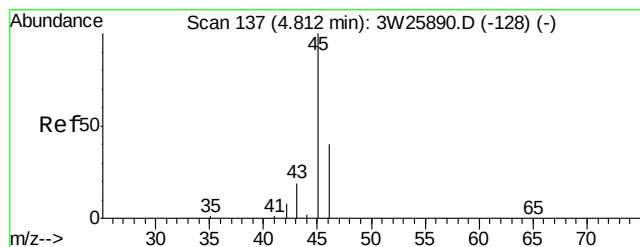
Tgt Ion:	45	Resp:	156689
Ion Ratio	Lower	Upper	
45	100		
59	4.5	0.0	23.9
43	17.1	0.0	37.3



#20
ACETONE
Concen: 27.57 PPBV
RT: 5.11 min Scan# 178
Delta R.T. 0.02 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

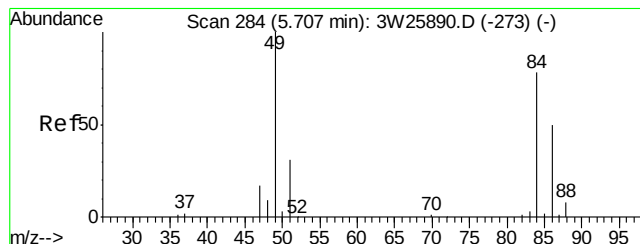
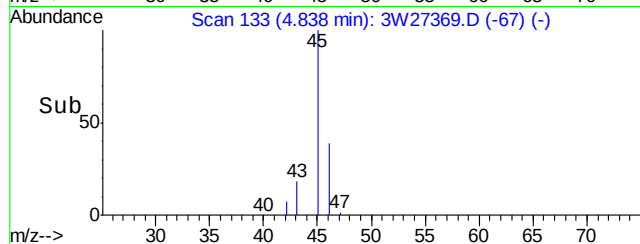
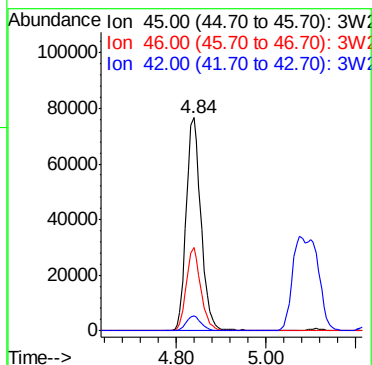
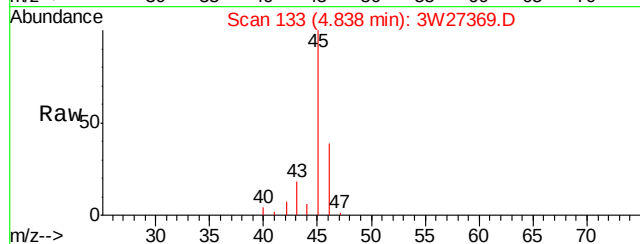
Tgt Ion:	58	Resp:	204697
Ion Ratio	Lower	Upper	
58	100		
43	325.4	289.4	329.4





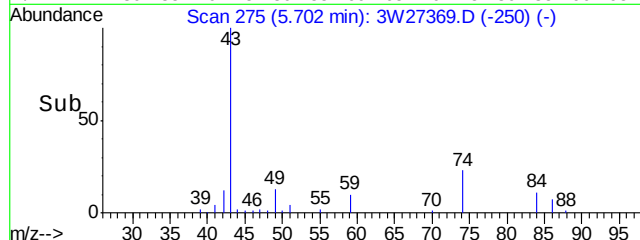
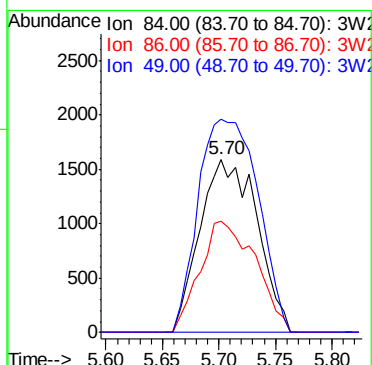
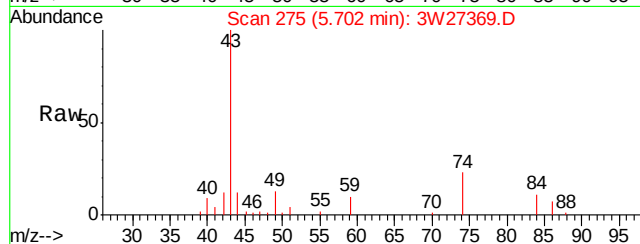
#26
ETHANOL
Concen: 23.37 PPBV
RT: 4.84 min Scan# 133
Delta R.T. 0.02 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

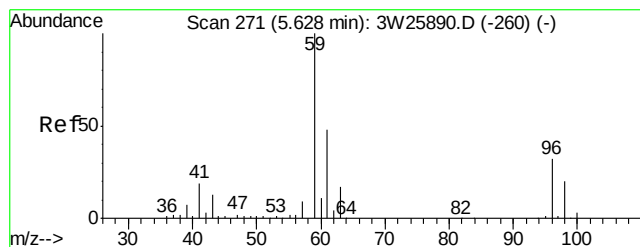
Tgt Ion: 45 Resp: 176961
Ion Ratio Lower Upper
45 100
46 38.0 17.5 57.5
42 7.1 0.0 29.8



#29
METHYLENE CHLORIDE
Concen: 0.40 PPBV
RT: 5.70 min Scan# 275
Delta R.T. 0.00 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

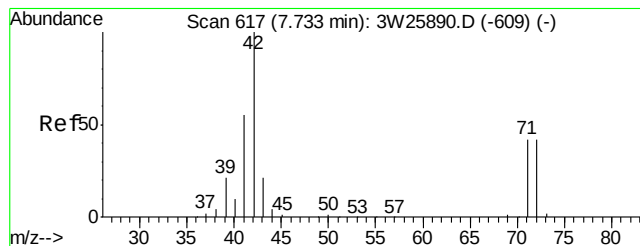
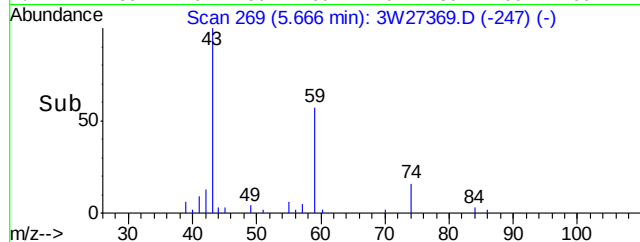
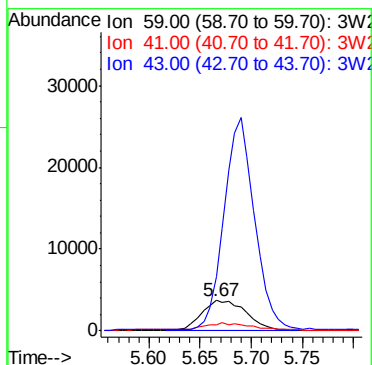
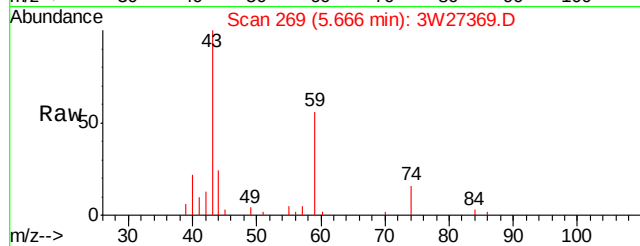
Tgt Ion: 84 Resp: 5585
Ion Ratio Lower Upper
84 100
86 62.8 43.9 83.9
49 129.9 0.0 350.8





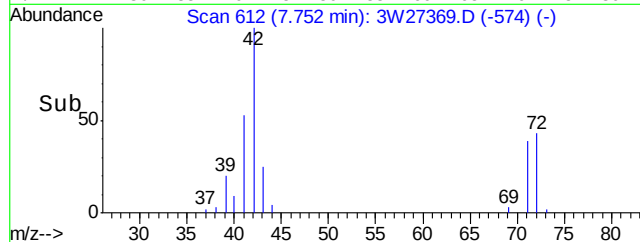
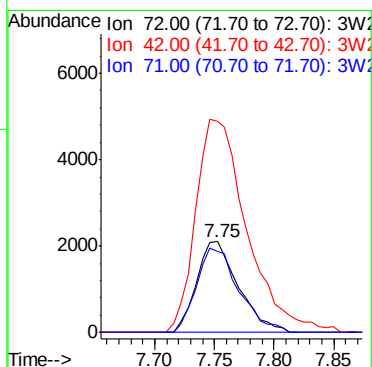
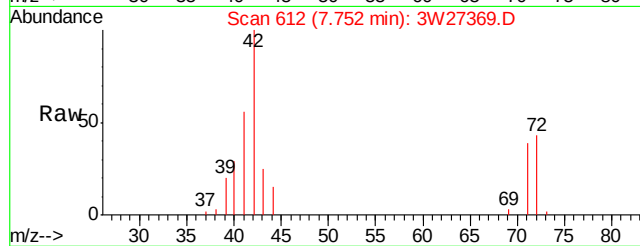
#33
TERTIARY BUTYL ALCOHOL
Concen: 0.37 PPBV
RT: 5.67 min Scan# 269
Delta R.T. 0.04 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

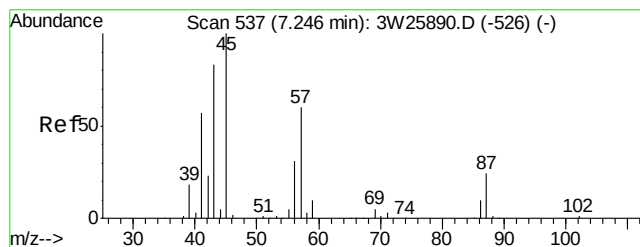
Tgt Ion	Ratio	Lower	Upper
59	100		
41	28.8	1.1	41.1
43	0.0	0.0	33.4



#35
TETRAHYDROFURAN
Concen: 0.77 PPBV
RT: 7.75 min Scan# 612
Delta R.T. 0.03 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

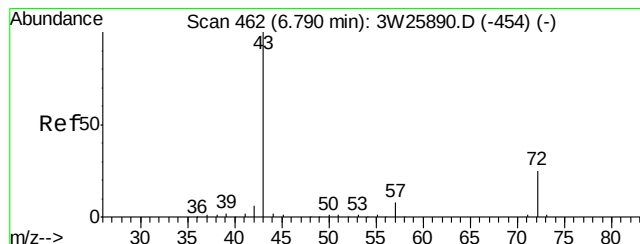
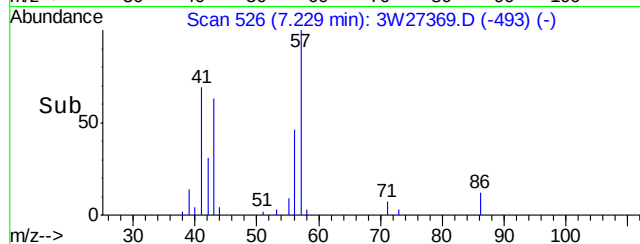
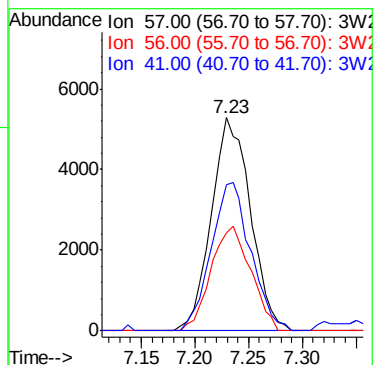
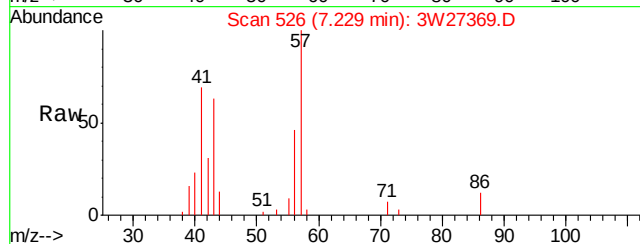
Tgt Ion	Ratio	Lower	Upper
72	100		
42	287.5	242.5	282.5#
71	93.9	76.8	116.8





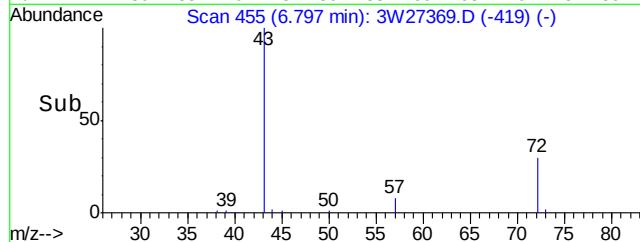
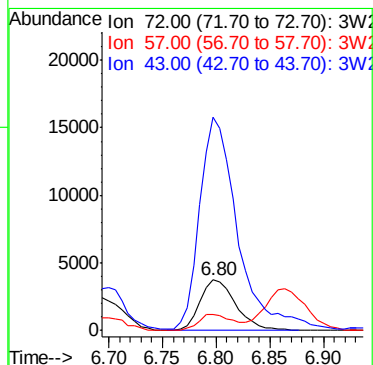
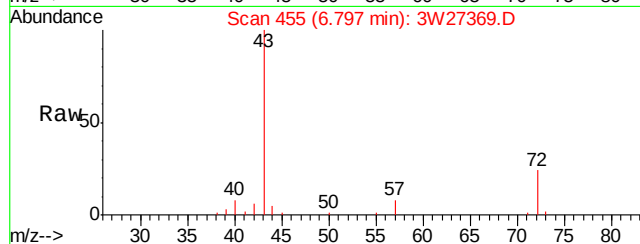
#36
 HEXANE
 Concen: 0.54 PPBV
 RT: 7.23 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

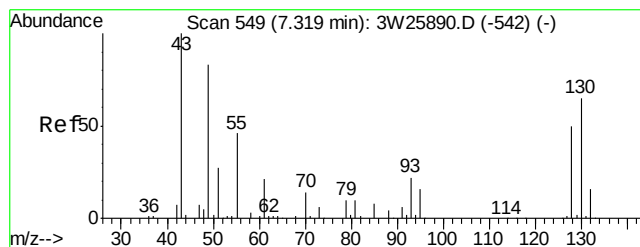
Tgt Ion:	57	Resp:	13367
Ion Ratio		Lower	Upper
57	100		
56	50.0	31.3	71.3
41	70.6	83.4	123.4#



#39
 METHYL ETHYL KETONE
 Concen: 1.34 PPBV
 RT: 6.80 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

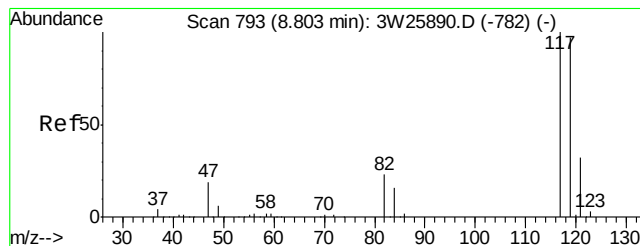
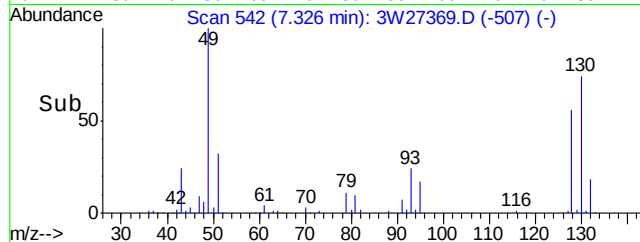
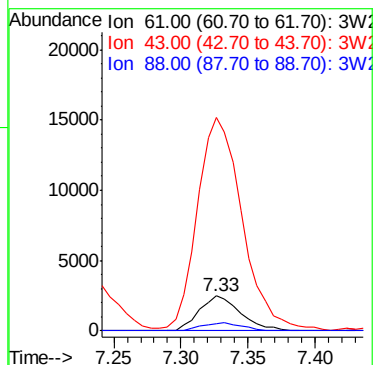
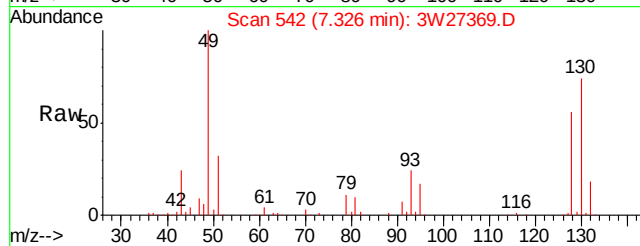
Tgt Ion:	72	Resp:	8729
Ion Ratio		Lower	Upper
72	100		
57	32.7	11.7	51.7
43	420.2	411.3	451.3





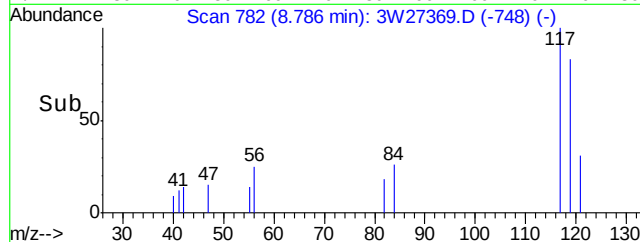
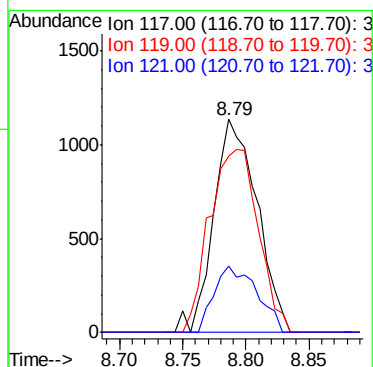
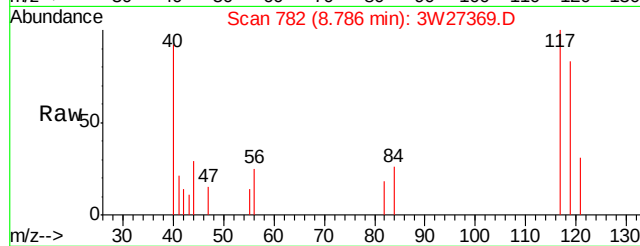
#42
ETHYL ACETATE
Concen: 1.22 PPBV
RT: 7.33 min Scan# 542
Delta R.T. 0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

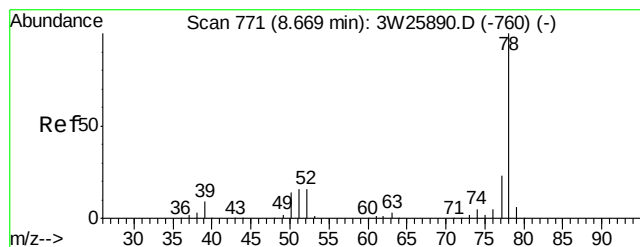
Tgt Ion	Ratio	Lower	Upper
61	100		
43	672.0	683.1	723.1#
88	22.5	4.0	44.0



#47
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 8.79 min Scan# 782
Delta R.T. 0.00 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

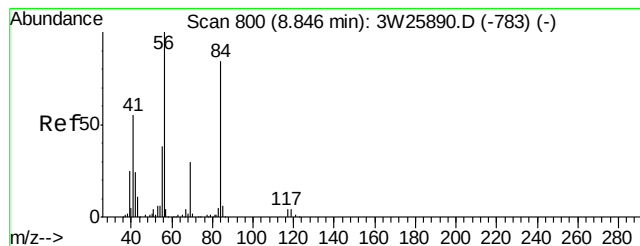
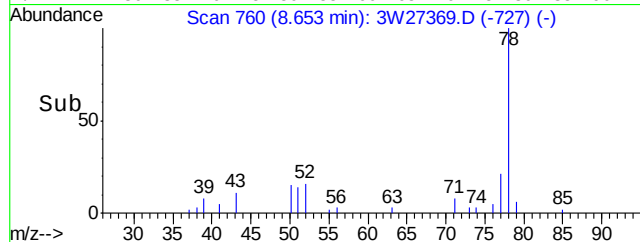
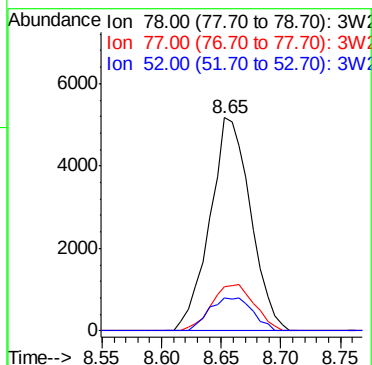
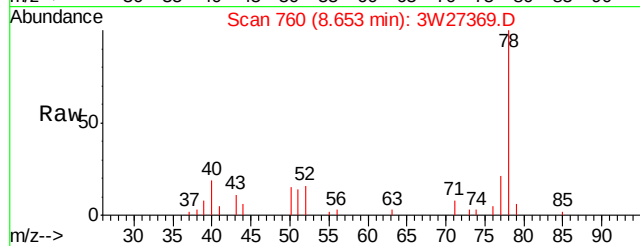
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	116.9
121	30.7	11.0	51.0





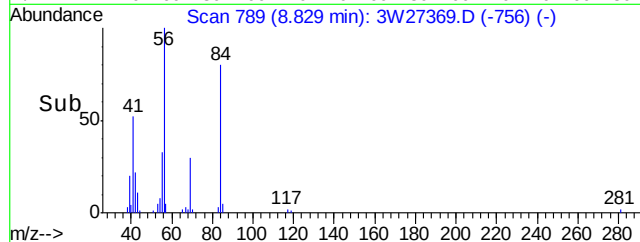
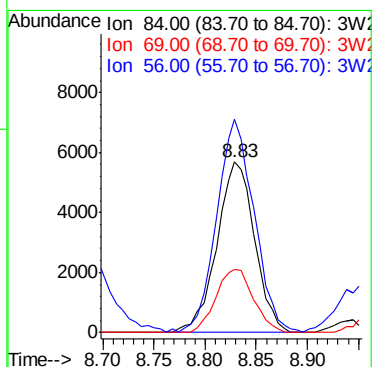
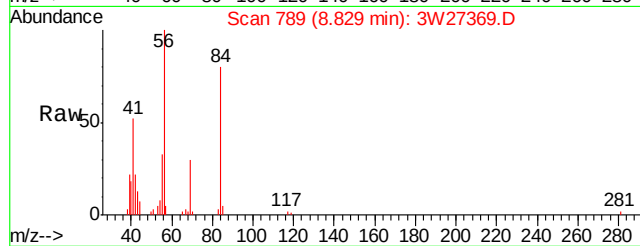
#50
 BENZENE
 Concen: 0.26 PPBV
 RT: 8.65 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

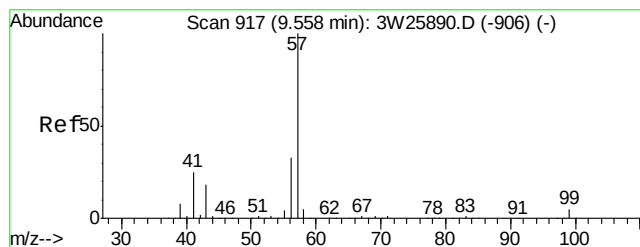
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	3.2	43.2
52	16.5	0.0	36.9



#51
 CYCLOHEXANE
 Concen: 0.68 PPBV
 RT: 8.83 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: 3W27369.D
 Acq: 5 Apr 2012 2:36 am

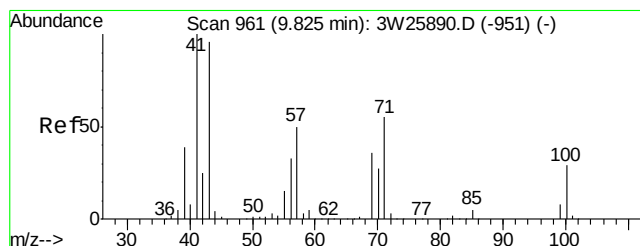
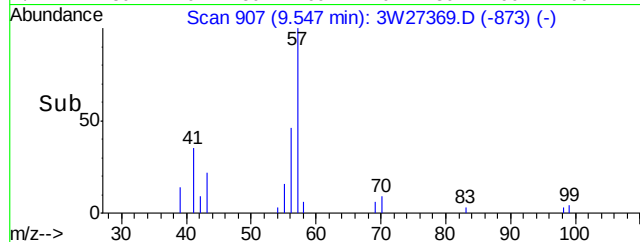
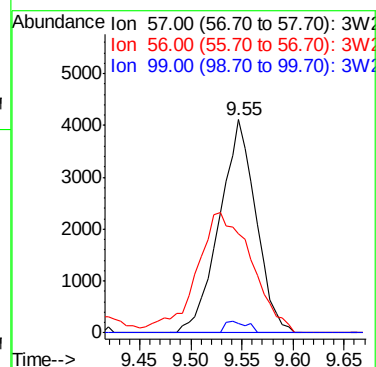
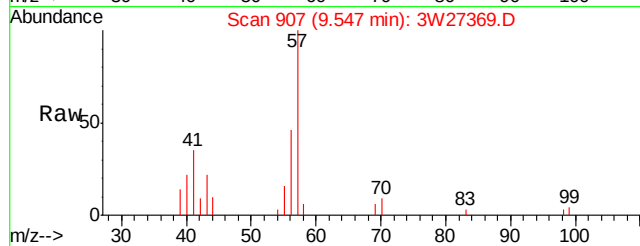
Tgt Ion	Ratio	Lower	Upper
84	100		
69	36.9	12.0	52.0
56	123.8	86.6	126.6





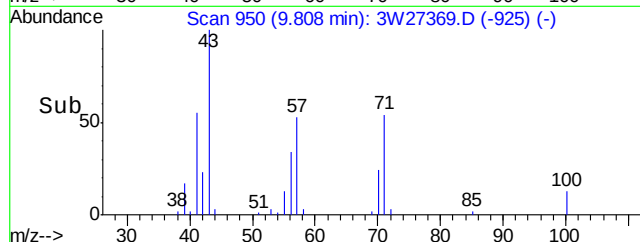
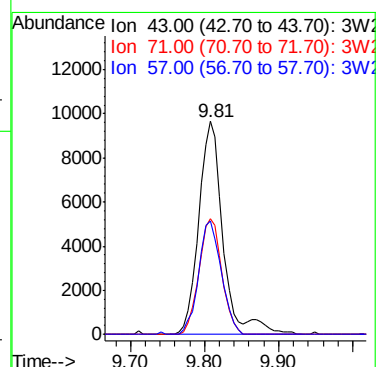
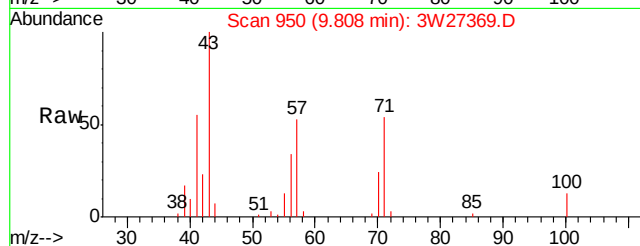
#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.14 PPBV
RT: 9.55 min Scan# 907
Delta R.T. 0.00 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

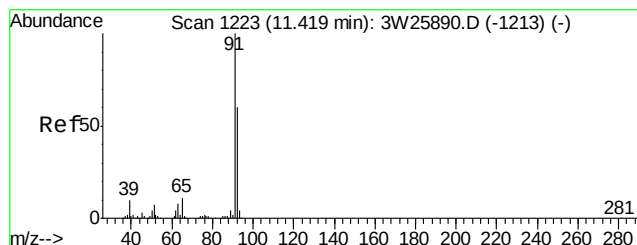
Tgt Ion:	57	Resp:	10202
Ion Ratio	Lower	Upper	
57	100		
56	85.7	13.4	53.4#
99	3.3	0.0	24.7



#60
HEPTANE
Concen: 0.72 PPBV
RT: 9.81 min Scan# 950
Delta R.T. 0.00 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

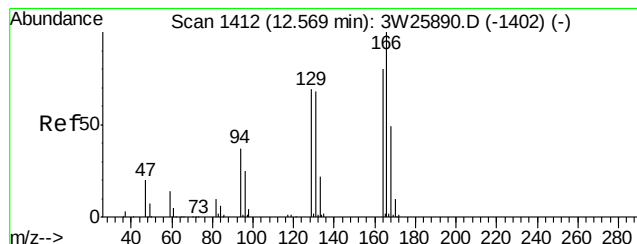
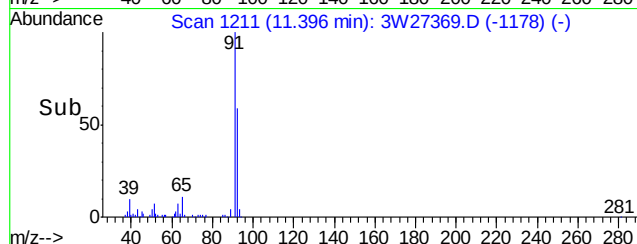
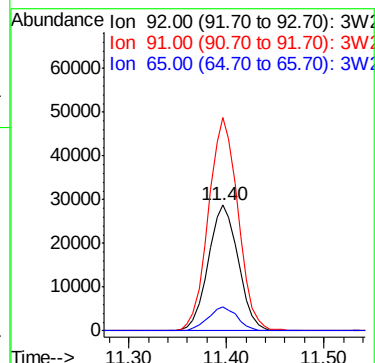
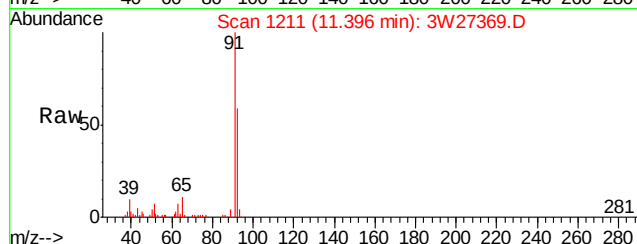
Tgt Ion:	43	Resp:	21860
Ion Ratio	Lower	Upper	
43	100		
71	50.8	32.5	72.5
57	49.6	31.1	71.1





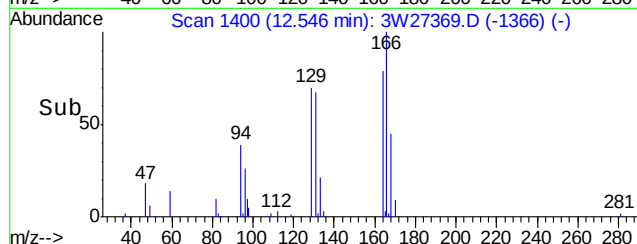
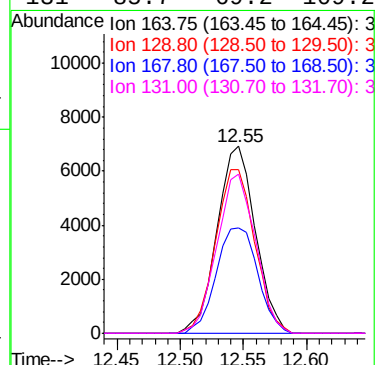
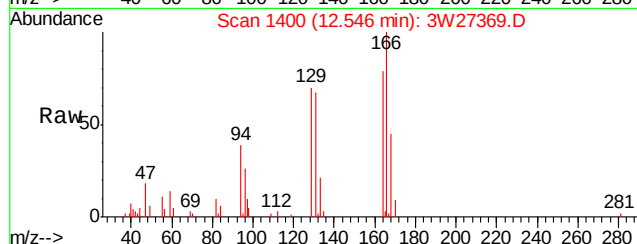
#65
TOLUENE
Concen: 2.04 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

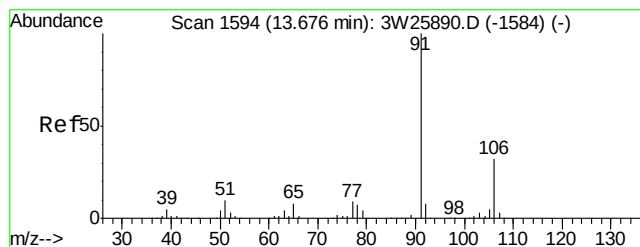
Tgt Ion:	92	Resp:	61121
Ion	Ratio	Lower	Upper
92	100		
91	167.5	148.5	188.5
65	18.5	2.8	42.8



#71
TETRACHLOROETHYLENE
Concen: 0.92 PPBV
RT: 12.55 min Scan# 1400
Delta R.T. 0.00 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

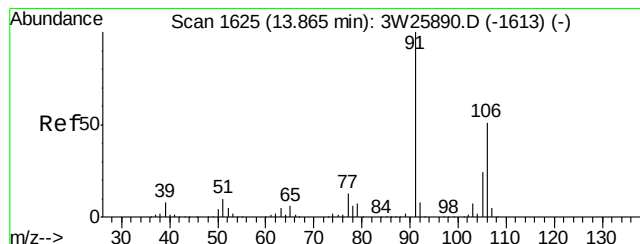
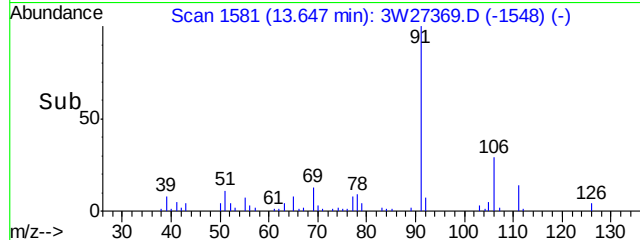
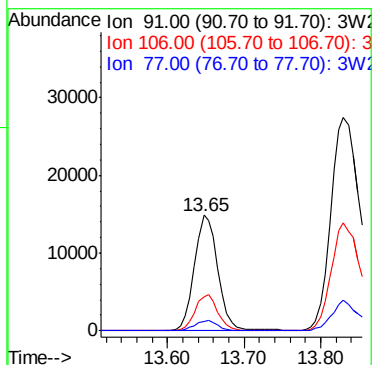
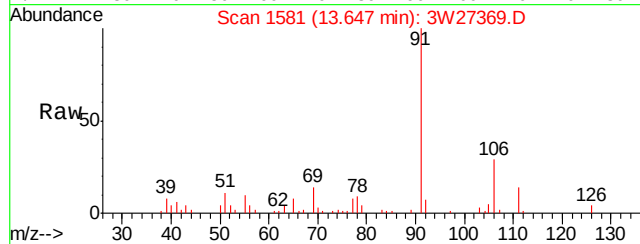
Tgt Ion:	164	Resp:	14545
Ion	Ratio	Lower	Upper
164	100		
129	89.6	71.9	111.9
168	61.2	41.4	81.4
131	85.7	69.2	109.2





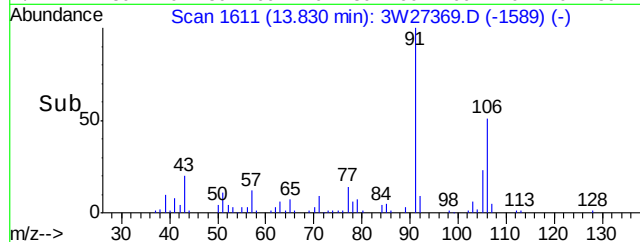
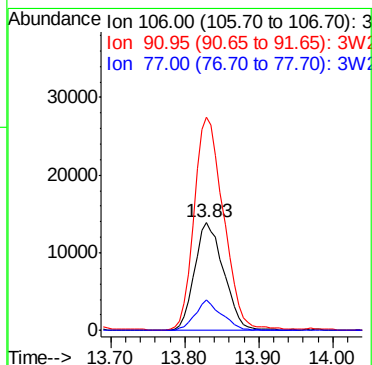
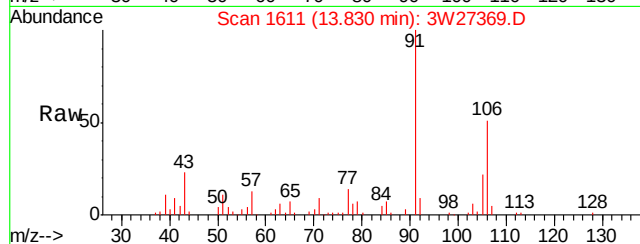
#77
ETHYLBENZENE
Concen: 0.60 PPBV
RT: 13.65 min Scan# 1581
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

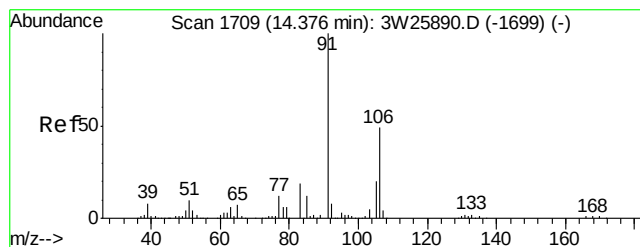
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	11.0	51.0
77	8.2	0.0	28.5



#78
m,p-XYLENE
Concen: 1.90 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

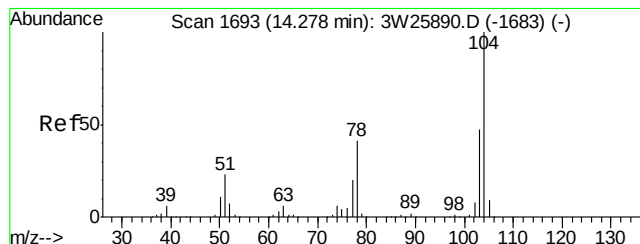
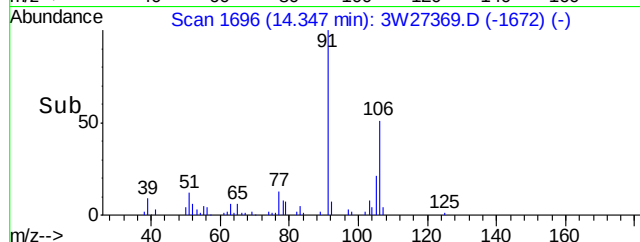
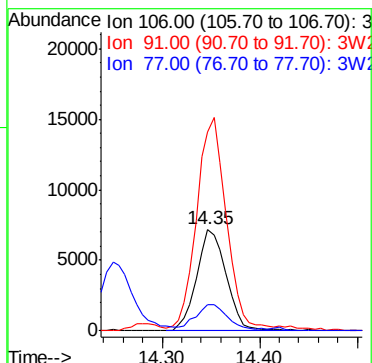
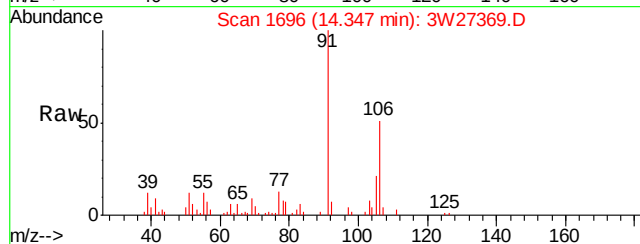
Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.5	177.2	217.2
77	27.9	6.3	46.3





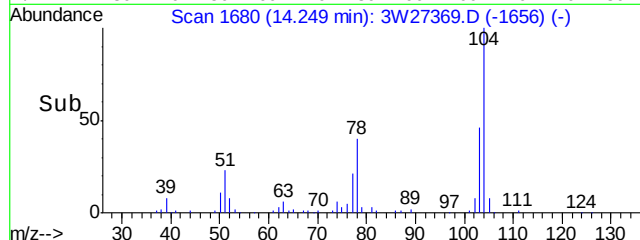
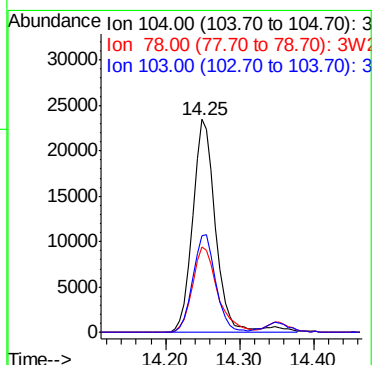
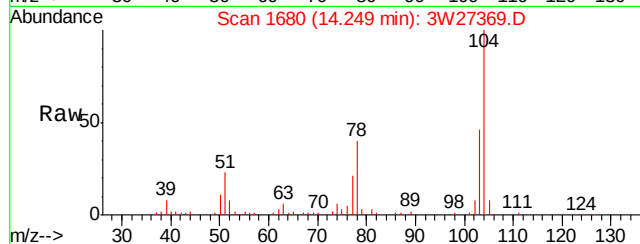
#79
o-XYLENE
Concen: 0.80 PPBV
RT: 14.35 min Scan# 1696
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

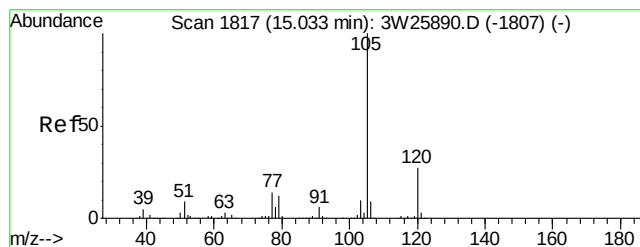
Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.8	192.3	232.3
77	30.3	6.3	46.3



#80
STYRENE
Concen: 1.89 PPBV
RT: 14.25 min Scan# 1680
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

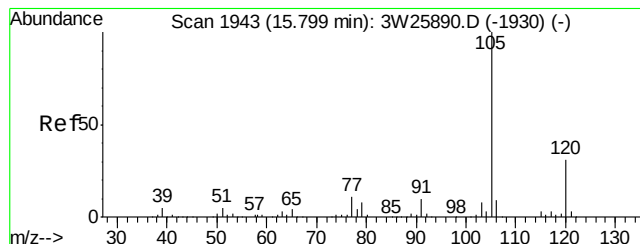
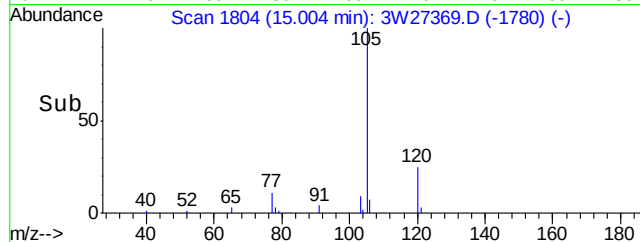
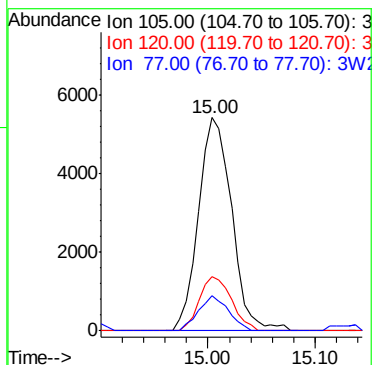
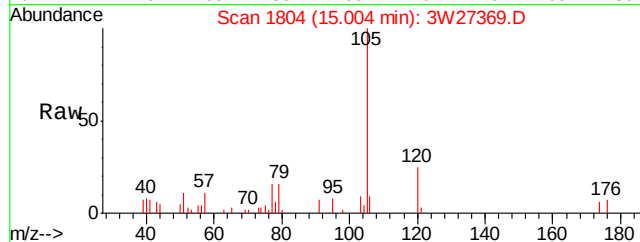
Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.9	22.1	62.1
103	45.4	27.0	67.0





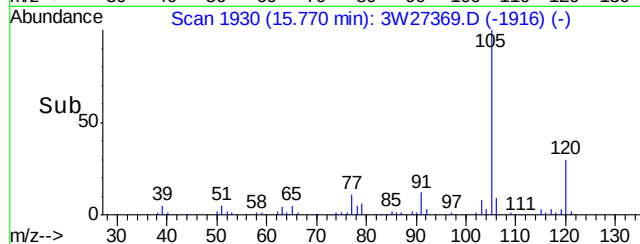
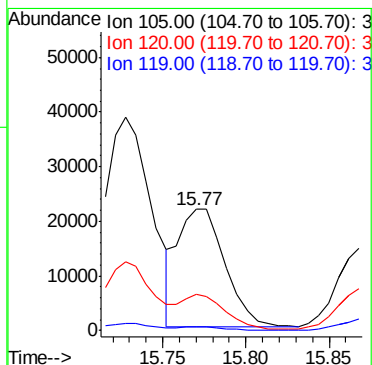
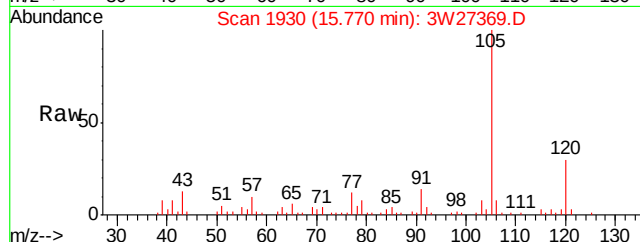
#86
ISOPROPYLBENZENE
Concen: 0.24 PPBV
RT: 15.00 min Scan# 1804
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

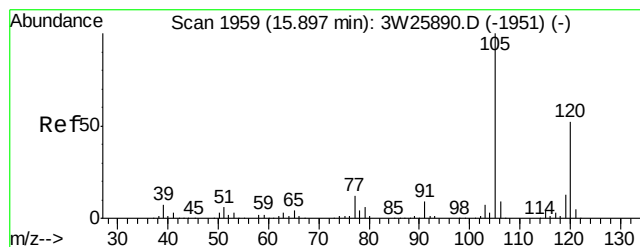
Tgt Ion:	105	Resp:	11591
Ion Ratio	Lower	Upper	
105	100		
120	24.6	5.9	45.9
77	14.7	0.0	35.1



#90
4-ETHYLTOLUENE
Concen: 1.00 PPBV m
RT: 15.77 min Scan# 1930
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

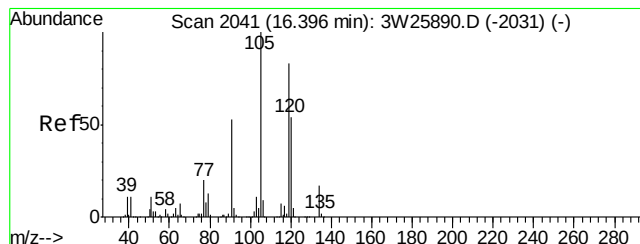
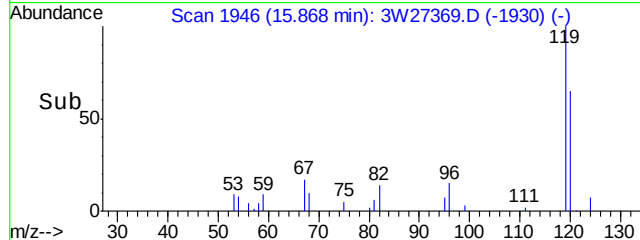
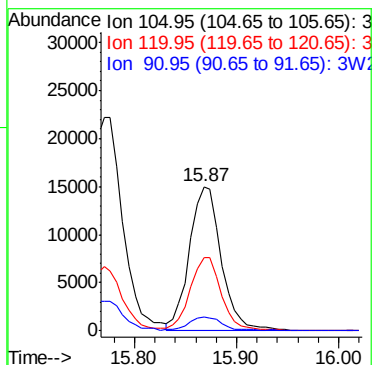
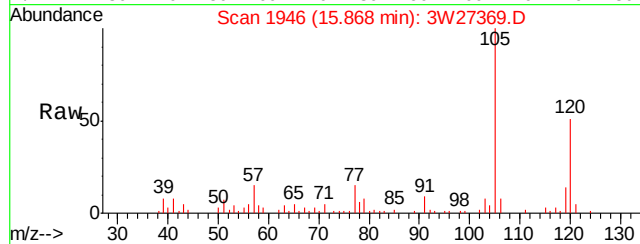
Tgt Ion:	105	Resp:	41796
Ion Ratio	Lower	Upper	
105	100		
120	89.6	9.3	49.3#
119	9.6	0.0	22.4





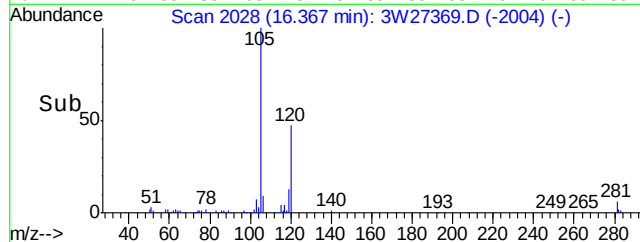
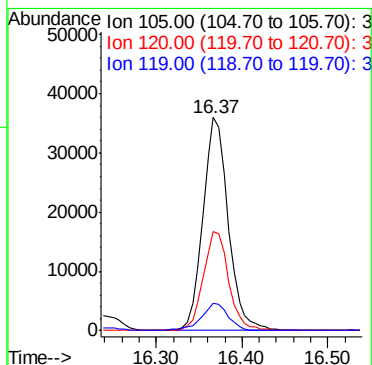
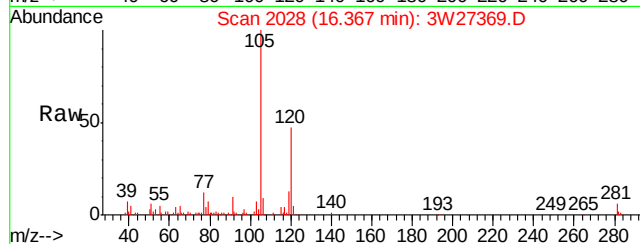
#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.94 PPBV
RT: 15.87 min Scan# 1946
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	29.6	69.6
91	10.0	0.0	29.8



#94
1,2,4-TRIMETHYLBENZENE
Concen: 2.42 PPBV
RT: 16.37 min Scan# 2028
Delta R.T. -0.01 min
Lab File: 3W27369.D
Acq: 5 Apr 2012 2:36 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.7	76.7
119	13.6	95.0	135.0#



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27370.D Vial: 8
 Acq On : 5 Apr 2012 3:17 am Operator: yunxiac
 Sample : JB2710-4 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:34 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.33	128	97973	10.00	PPBV	0.02
49) 1,4-DIFLUOROBENZENE	8.99	114	444926	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	209923	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	209684	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE 14.88 95 218346 9.24 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 92.40%

Target Compounds

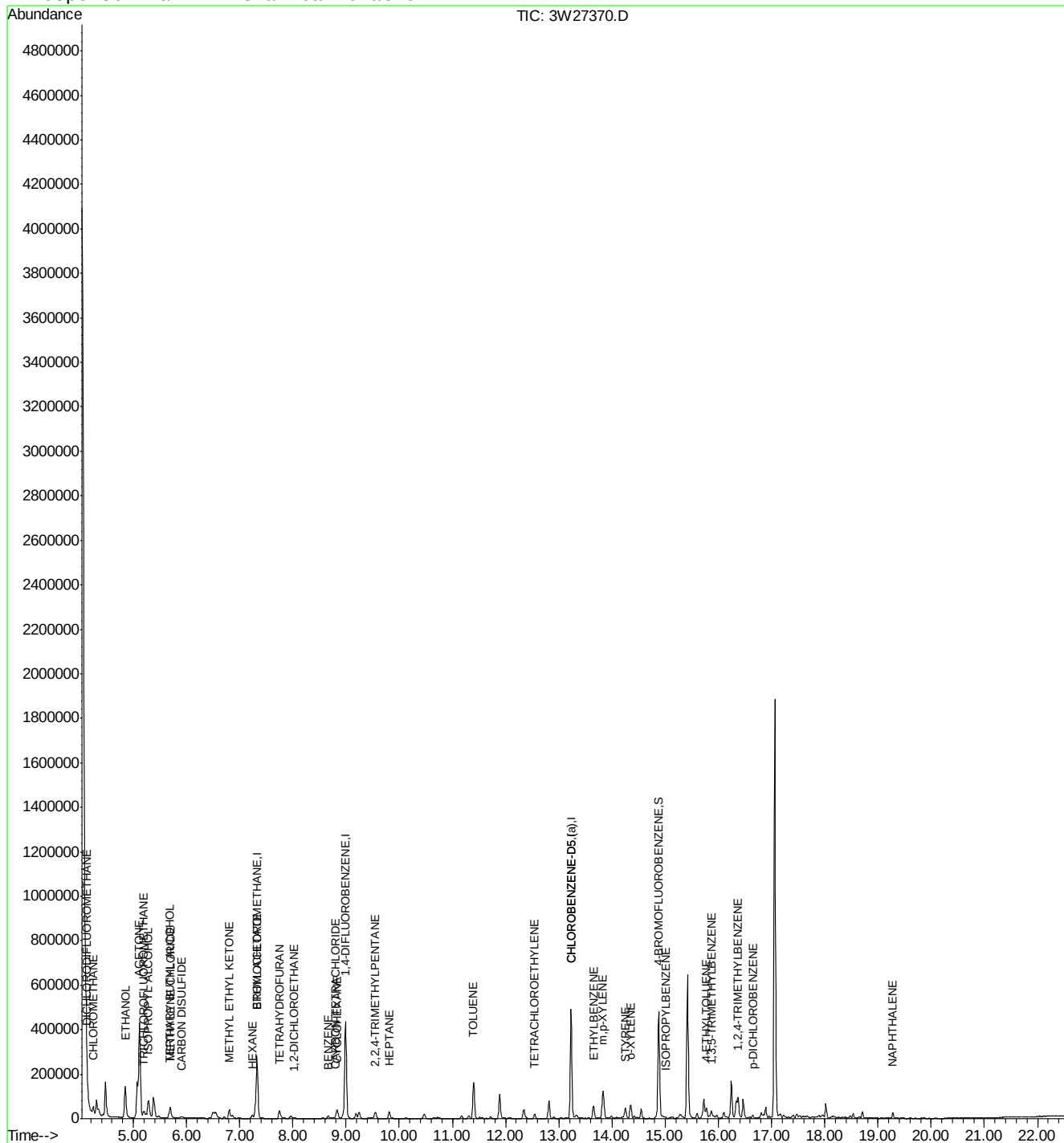
						Qvalue
5) DICHLORODIFLUOROMETHANE	4.14	85	14585	0.41	PPBV	99
8) CHLOROMETHANE	4.25	50	15686	0.95	PPBV	96
18) TRICHLOROFLUOROMETHANE	5.20	101	35518	1.08	PPBV	99
19) ISOPROPYL ALCOHOL	5.28	45	127404	4.69	PPBV	99
20) ACETONE	5.12	58	183560	25.34	PPBV #	86
25) CARBON DISULFIDE	5.90	76	8977	0.25	PPBV	94
26) ETHANOL	4.85	45	199036	26.94	PPBV	98
29) METHYLENE CHLORIDE	5.70	84	4568	0.33	PPBV	90
33) TERTIARY BUTYL ALCOHOL	5.68	59	26643	0.89	PPBV #	1
35) TETRAHYDROFURAN	7.75	72	12321	1.89	PPBV	97
36) HEXANE	7.24	57	9930	0.41	PPBV #	81
39) METHYL ETHYL KETONE	6.80	72	15121	2.39	PPBV	95
42) ETHYL ACETATE	7.33	61	6451	1.54	PPBV #	93
47) CARBON TETRACHLORIDE	8.80	117	2696	0.10	PPBV	96
48) 1,2-DICHLOROETHANE	8.03	62	2902	0.17	PPBV	95
50) BENZENE	8.66	78	12591	0.27	PPBV	99
51) CYCLOHEXANE	8.83	84	20547	0.99	PPBV	85
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	30975	0.42	PPBV	85
60) HEPTANE	9.81	43	16833	0.57	PPBV	99
65) TOLUENE	11.40	92	87702	3.01	PPBV	98
71) TETRACHLOROETHYLENE	12.55	164	5032	0.33	PPBV	97
77) ETHYLBENZENE	13.65	91	43563	0.84	PPBV	99
78) m,p-XYLENE	13.83	106	57632	2.97	PPBV	97
79) o-XYLENE	14.35	106	20474	1.10	PPBV	100
80) STYRENE	14.26	104	29461	1.12	PPBV	98
86) ISOPROPYLBENZENE	15.01	105	5500	0.11	PPBV	98
90) 4-ETHYLTOLUENE	15.77	105	28127m	0.69	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	20931	0.62	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	63644	2.14	PPBV #	33
97) p-DICHLOROBENZENE	16.65	146	6096	0.34	PPBV	93
106) NAPHTHALENE	19.28	128	3213	0.58	PPBV	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27370.D M3W1065.M Thu Apr 05 10:10:47 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27370.D Vial: 8
Acq On : 5 Apr 2012 3:17 am Operator: yunxiac
Sample : JB2710-4 Inst : MS3W
Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 10:04 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

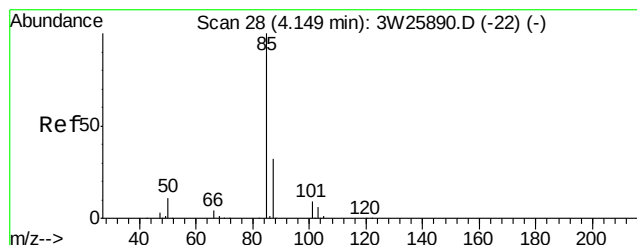


3W27370.D M3W1065.M

Thu Apr 05 10:10:47 2012

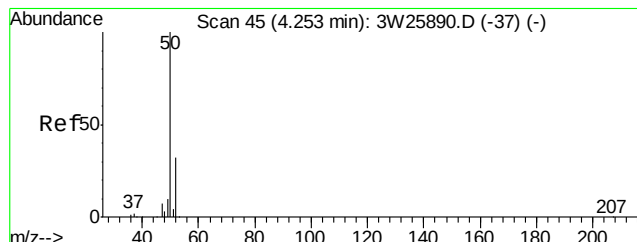
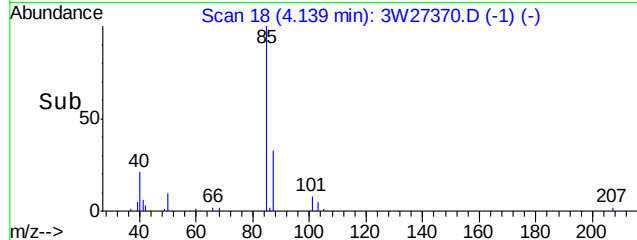
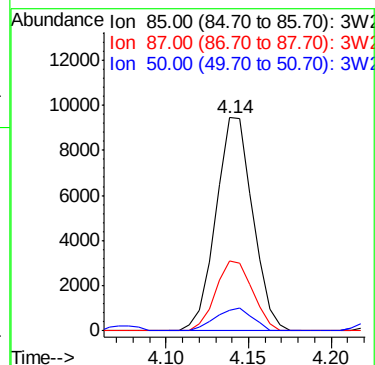
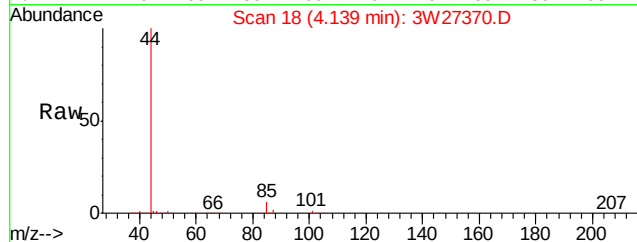
MSW

Page 2



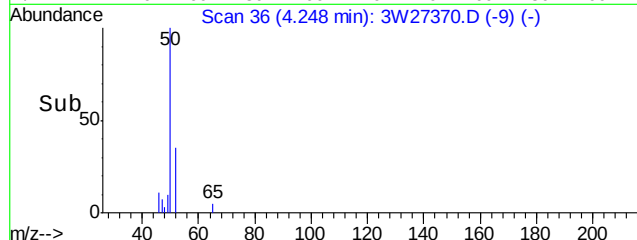
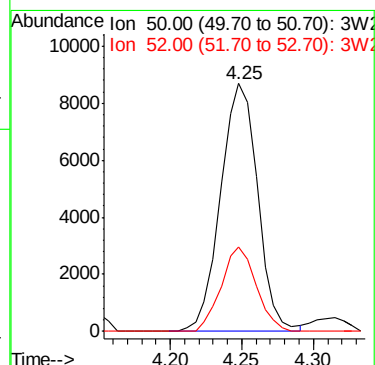
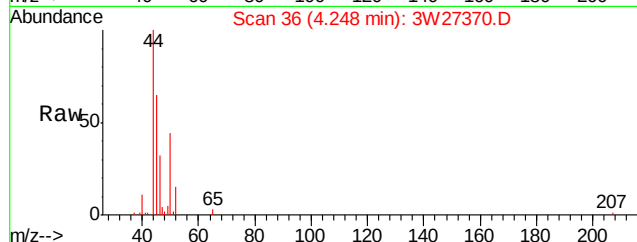
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.41 PPBV
 RT: 4.14 min Scan# 18
 Delta R.T. -0.02 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

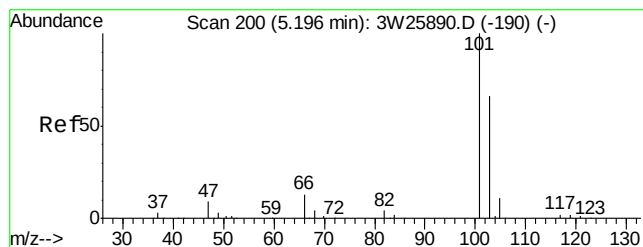
Tgt Ion:	85	Resp:	14585
Ion Ratio	Lower	Upper	
85	100		
87	32.6	12.4	52.4
50	10.5	0.0	31.8



#8
 CHLOROMETHANE
 Concen: 0.95 PPBV
 RT: 4.25 min Scan# 36
 Delta R.T. -0.02 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

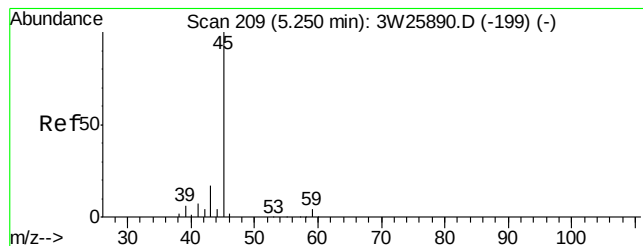
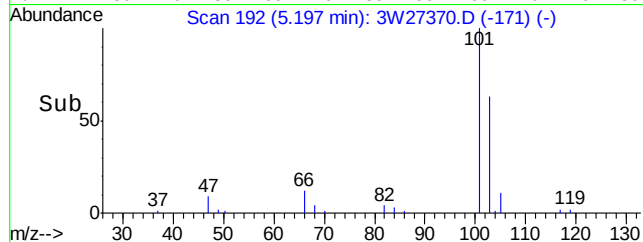
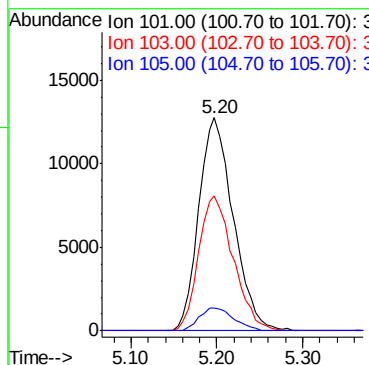
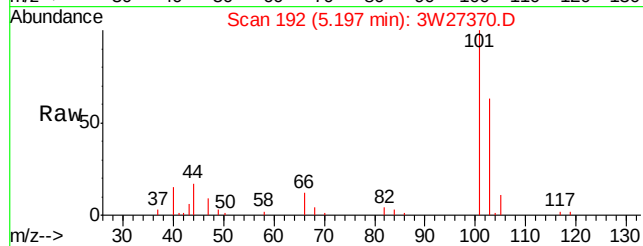
Tgt Ion:	50	Resp:	15686
Ion Ratio	Lower	Upper	
50	100		
52	34.4	12.4	52.4





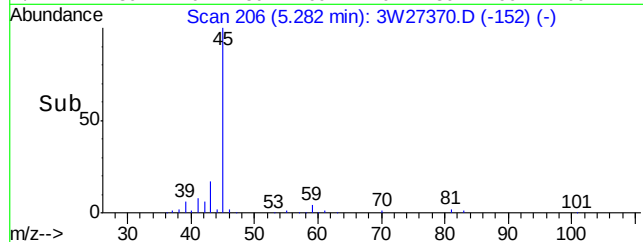
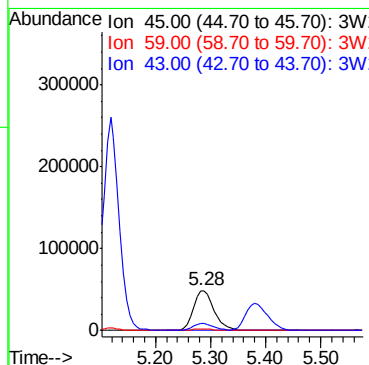
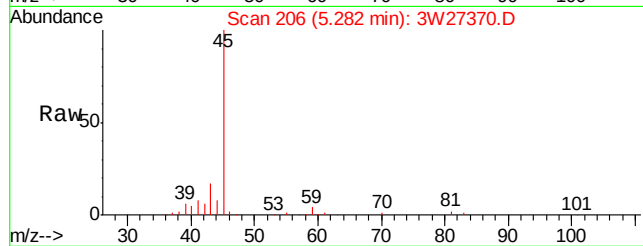
#18
TRICHLOROFLUOROMETHANE
Concen: 1.08 PPBV
RT: 5.20 min Scan# 192
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

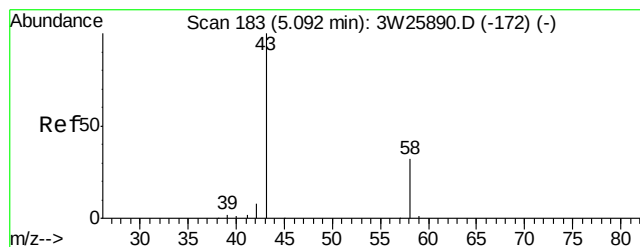
Tgt Ion:	101	Resp:	35518
Ion Ratio	Lower	Upper	
101	100		
103	63.8	45.0	85.0
105	10.7	0.0	30.7



#19
ISOPROPYL ALCOHOL
Concen: 4.69 PPBV
RT: 5.28 min Scan# 206
Delta R.T. 0.03 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

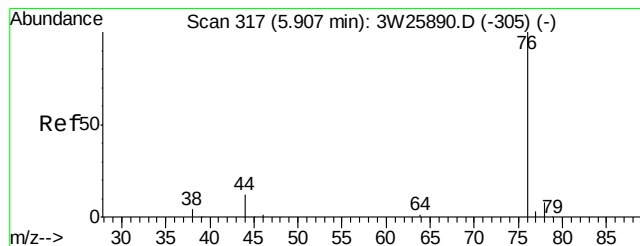
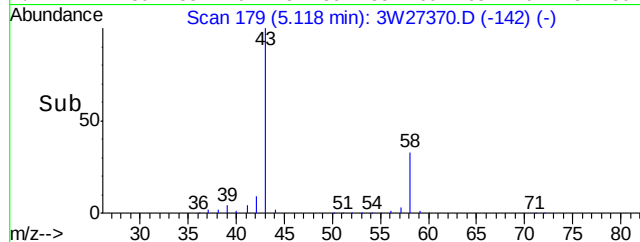
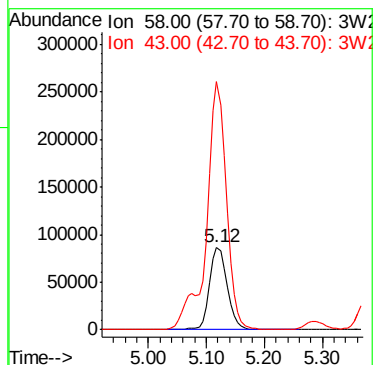
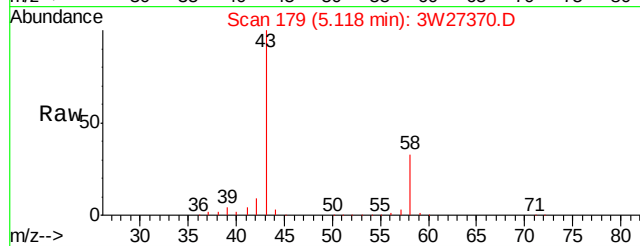
Tgt Ion:	45	Resp:	127404
Ion Ratio	Lower	Upper	
45	100		
59	4.0	0.0	23.9
43	16.9	0.0	37.3





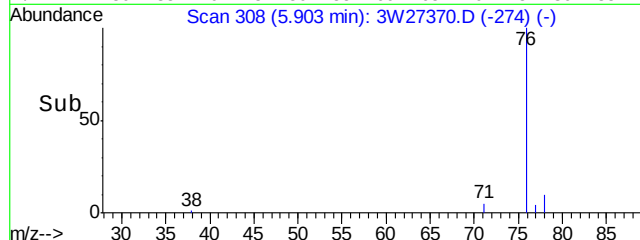
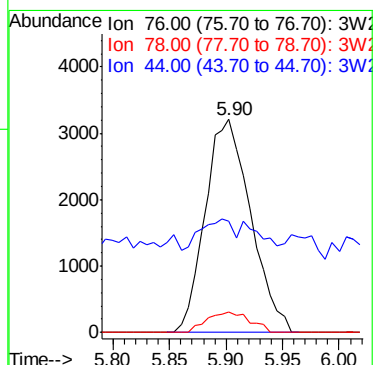
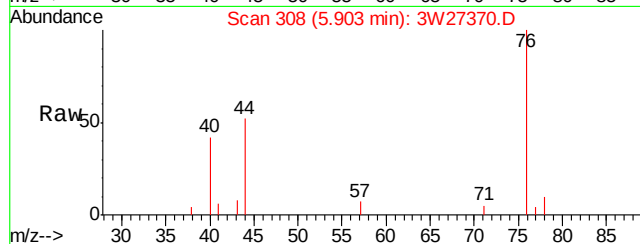
#20
ACETONE
Concen: 25.34 PPBV
RT: 5.12 min Scan# 179
Delta R.T. 0.02 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

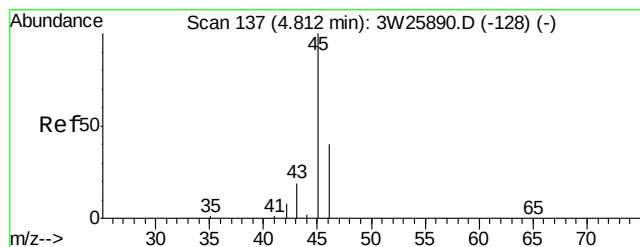
Tgt Ion: 58 Resp: 183560
Ion Ratio Lower Upper
58 100
43 337.9 289.4 329.4#



#25
CARBON DISULFIDE
Concen: 0.25 PPBV
RT: 5.90 min Scan# 308
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

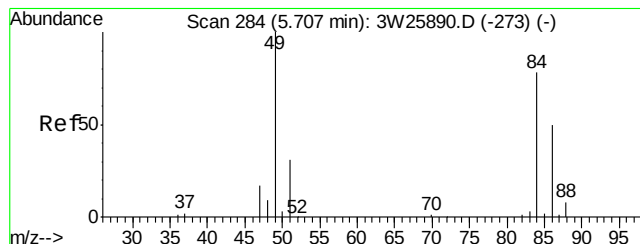
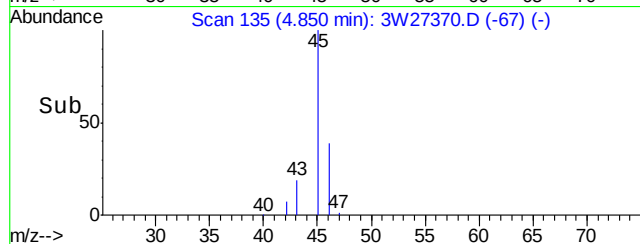
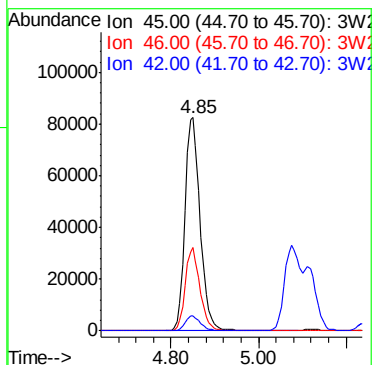
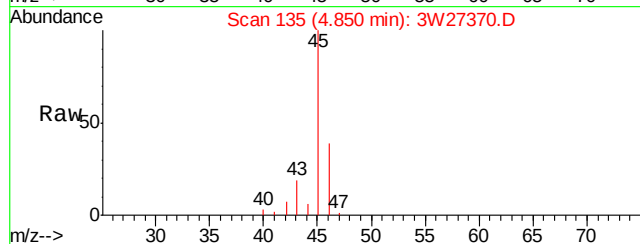
Tgt Ion: 76 Resp: 8977
Ion Ratio Lower Upper
76 100
78 9.1 0.0 29.3
44 16.7 0.0 32.8





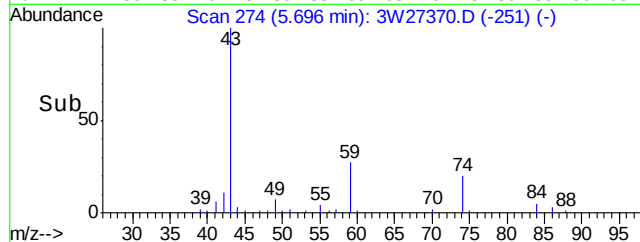
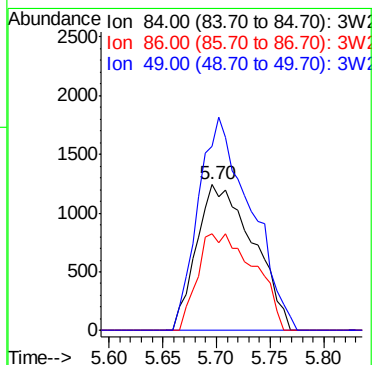
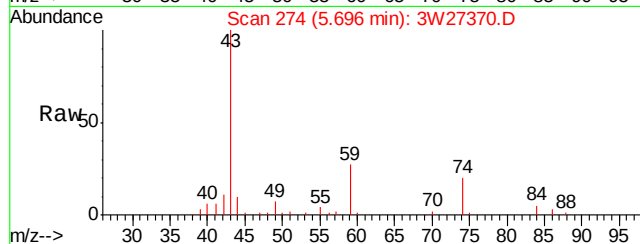
#26
 ETHANOL
 Concen: 26.94 PPBV
 RT: 4.85 min Scan# 135
 Delta R.T. 0.03 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

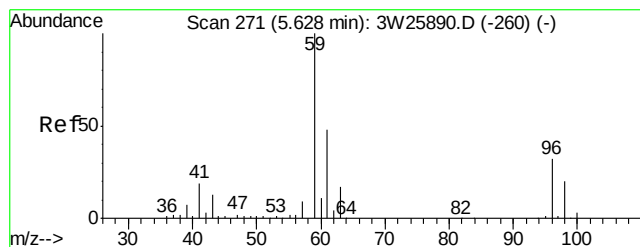
Tgt Ion:	45	Resp:	199036
Ion	Ratio	Lower	Upper
45	100		
46	37.8	17.5	57.5
42	7.0	0.0	29.8



#29
 METHYLENE CHLORIDE
 Concen: 0.33 PPBV
 RT: 5.70 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

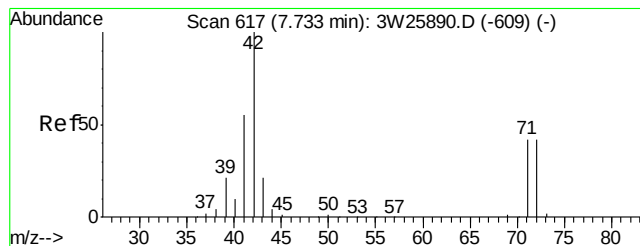
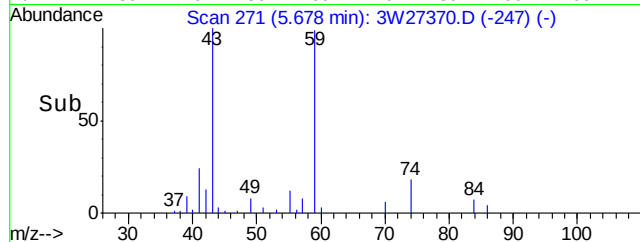
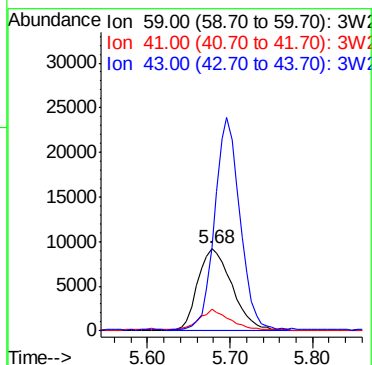
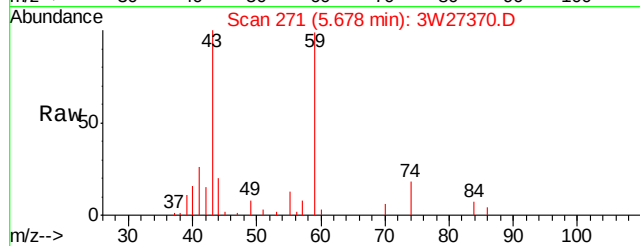
Tgt Ion:	84	Resp:	4568
Ion	Ratio	Lower	Upper
84	100		
86	66.4	43.9	83.9
49	135.2	0.0	350.8





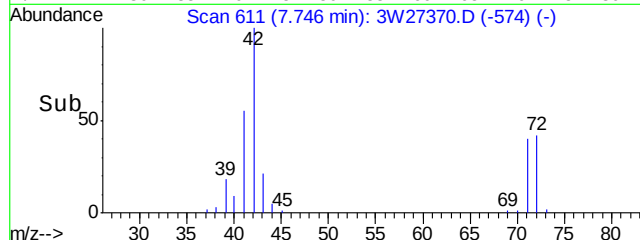
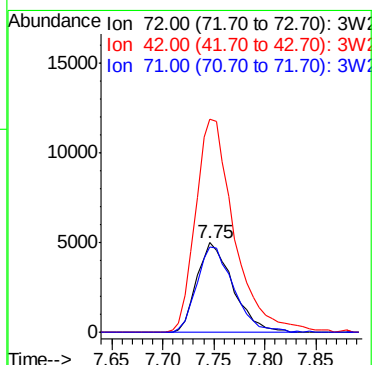
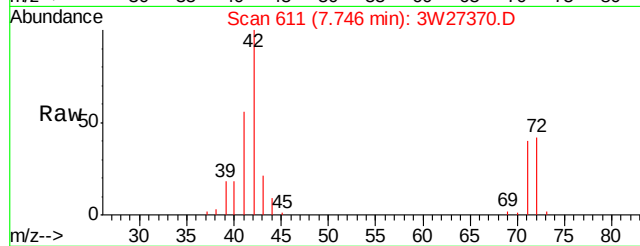
#33
TERTIARY BUTYL ALCOHOL
Concen: 0.89 PPBV
RT: 5.68 min Scan# 271
Delta R.T. 0.05 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

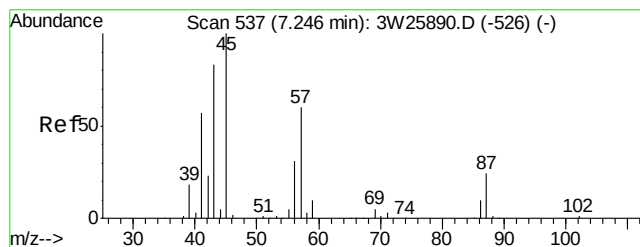
Tgt Ion	Ratio	Lower	Upper
59	100		
41	25.4	1.1	41.1
43	195.1	0.0	33.4#



#35
TETRAHYDROFURAN
Concen: 1.89 PPBV
RT: 7.75 min Scan# 611
Delta R.T. 0.02 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

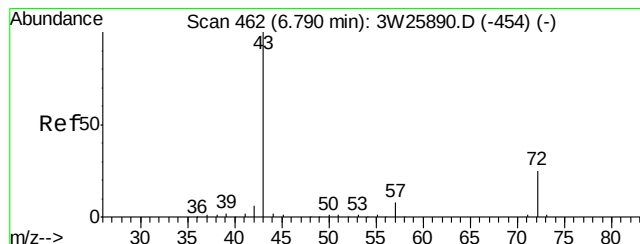
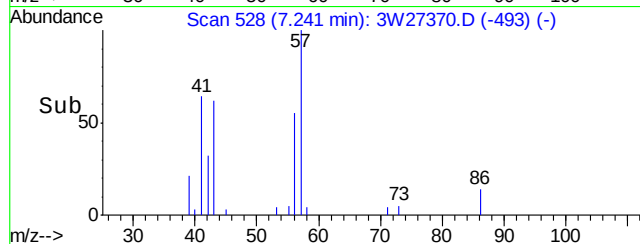
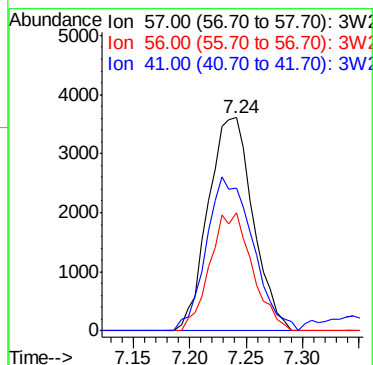
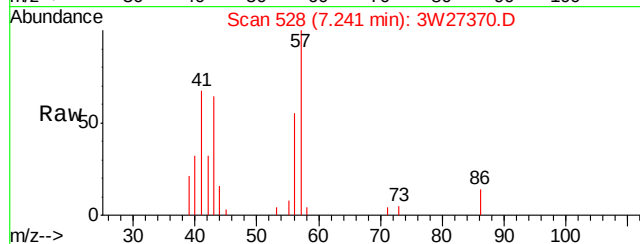
Tgt Ion	Ratio	Lower	Upper
72	100		
42	254.3	242.5	282.5
71	96.9	76.8	116.8





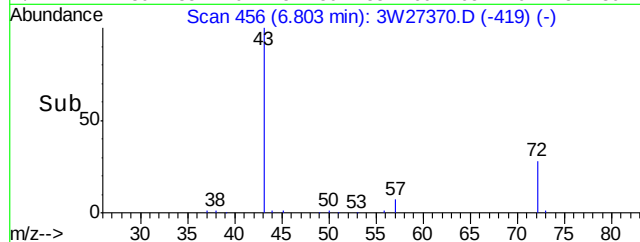
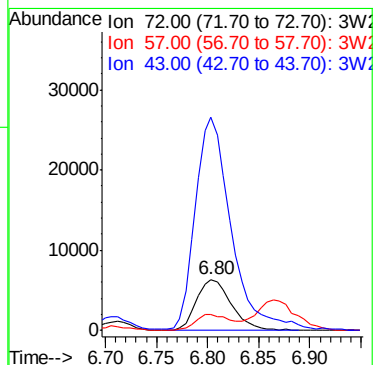
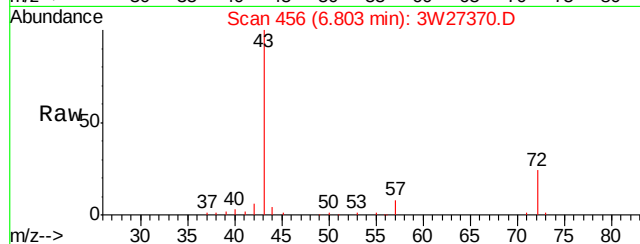
#36
 HEXANE
 Concen: 0.41 PPBV
 RT: 7.24 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

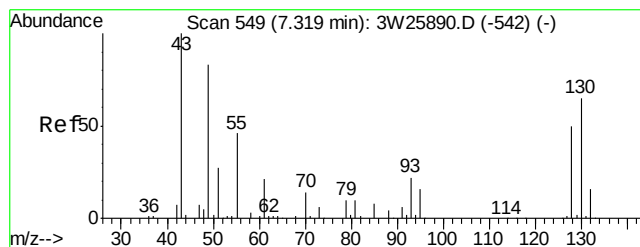
Tgt Ion:	57	Resp:	9930
Ion Ratio	Lower	Upper	
57	100		
56	52.2	31.3	71.3
41	74.6	83.4	123.4#



#39
 METHYL ETHYL KETONE
 Concen: 2.39 PPBV
 RT: 6.80 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

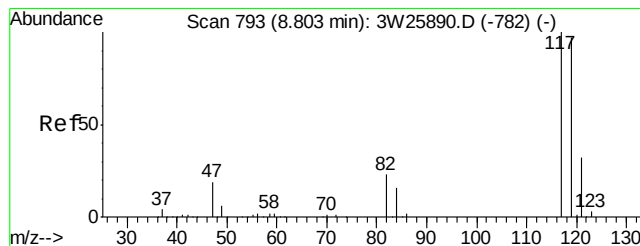
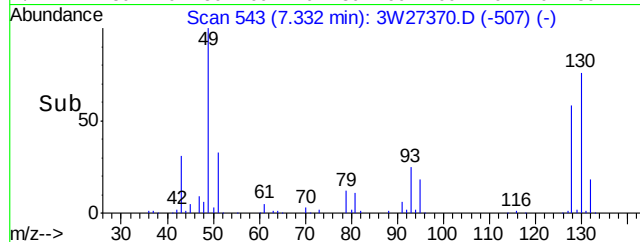
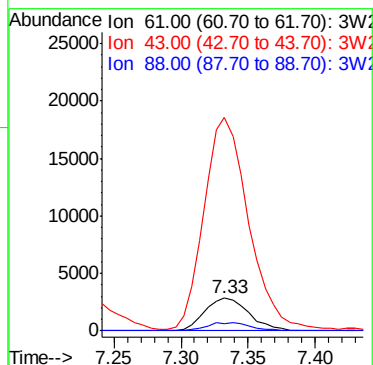
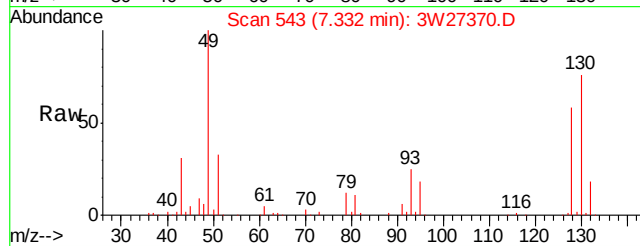
Tgt Ion:	72	Resp:	15121
Ion Ratio	Lower	Upper	
72	100		
57	31.9	11.7	51.7
43	418.1	411.3	451.3





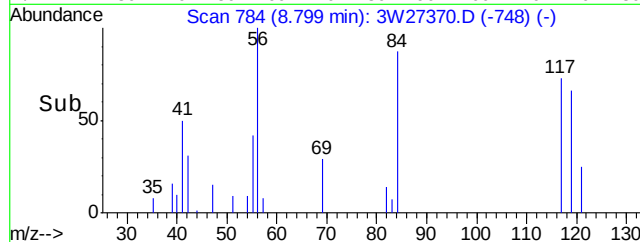
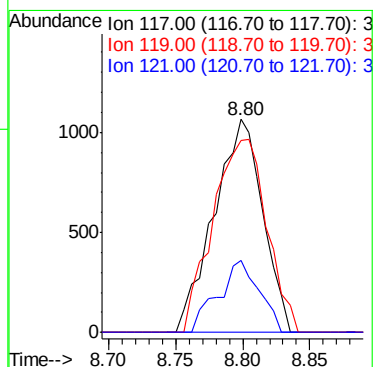
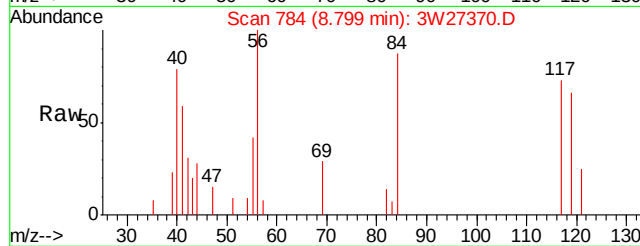
#42
ETHYL ACETATE
Concen: 1.54 PPBV
RT: 7.33 min Scan# 543
Delta R.T. 0.02 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

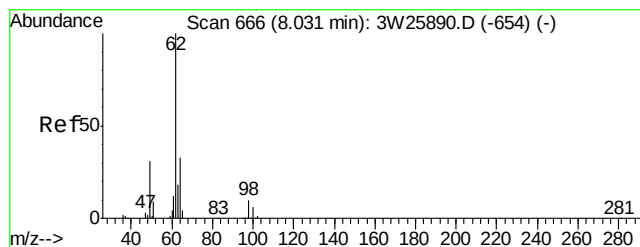
Tgt Ion	Ratio	Lower	Upper
61	100		
43	677.3	683.1	723.1#
88	24.8	4.0	44.0



#47
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 8.80 min Scan# 784
Delta R.T. 0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

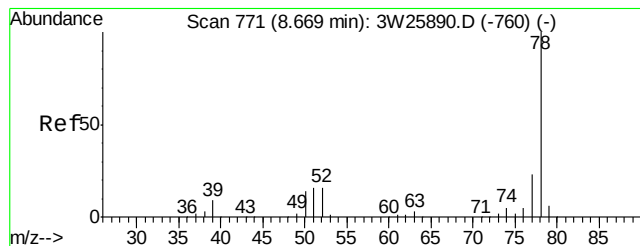
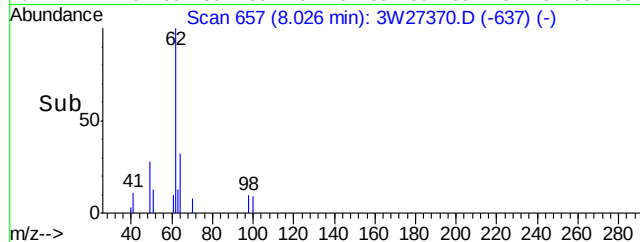
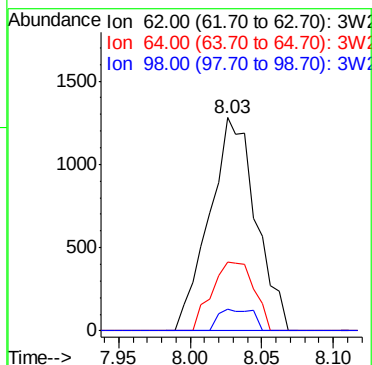
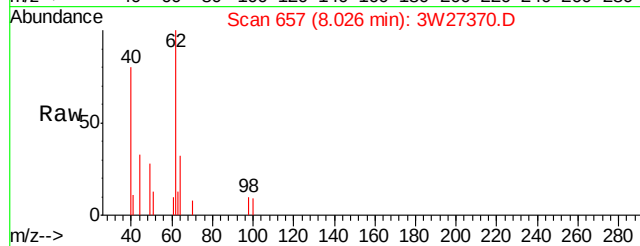
Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	76.9	116.9
121	28.4	11.0	51.0





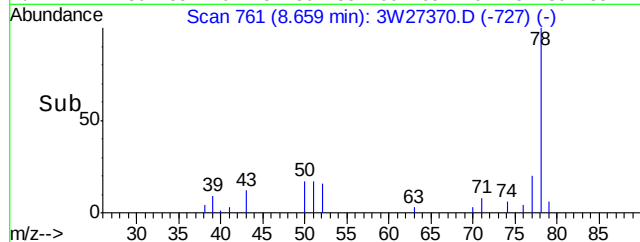
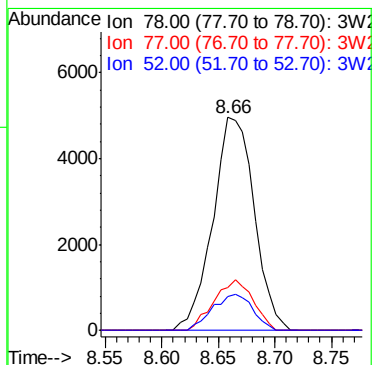
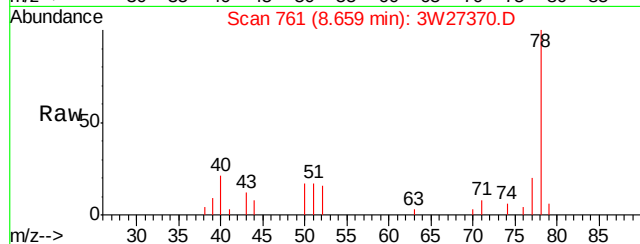
#48
1,2-DICHLOROETHANE
Concen: 0.17 PPBV
RT: 8.03 min Scan# 657
Delta R.T. 0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

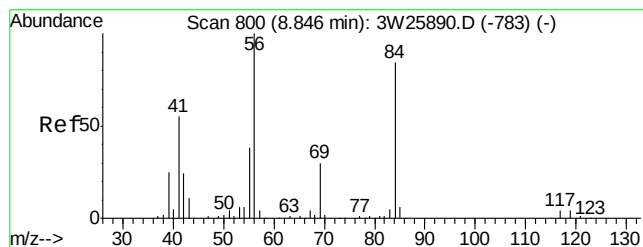
Tgt Ion:	62	Resp:	2902
Ion Ratio	Lower	Upper	
62	100		
64	29.1	12.3	52.3
98	7.4	0.0	29.0



#50
BENZENE
Concen: 0.27 PPBV
RT: 8.66 min Scan# 761
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

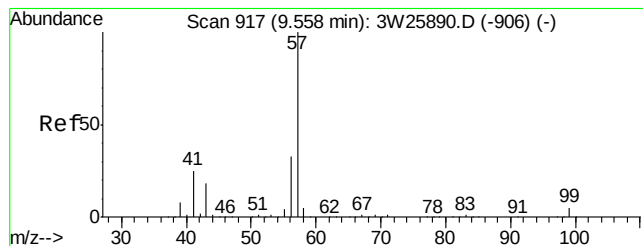
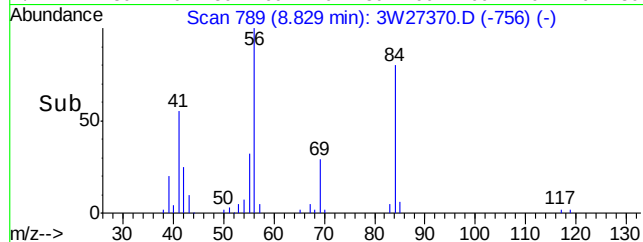
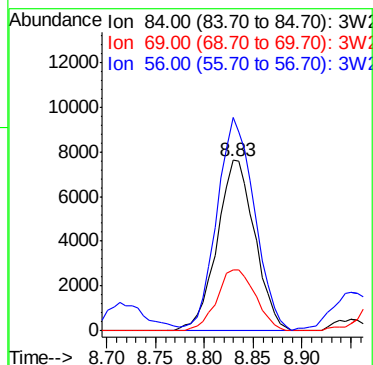
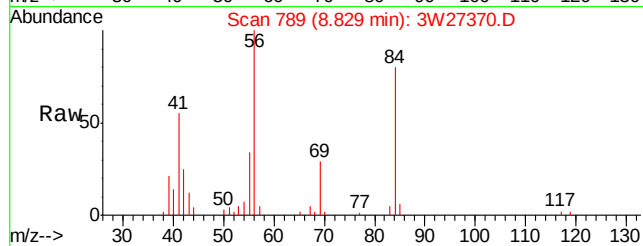
Tgt Ion:	78	Resp:	12591
Ion Ratio	Lower	Upper	
78	100		
77	22.6	3.2	43.2
52	16.5	0.0	36.9





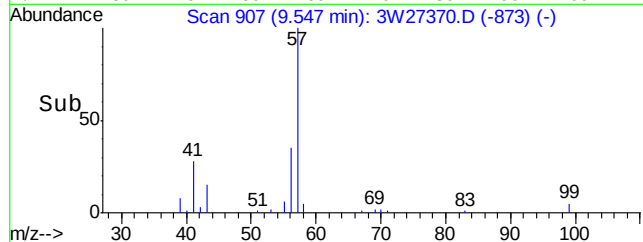
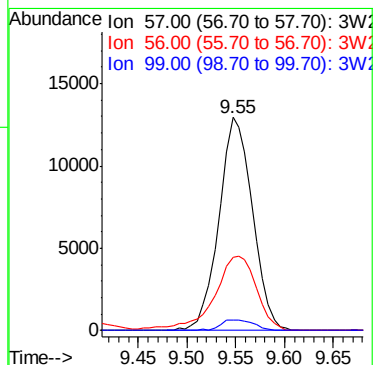
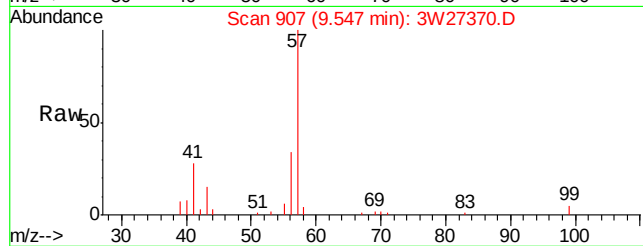
#51
CYCLOHEXANE
Concen: 0.99 PPBV
RT: 8.83 min Scan# 789
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

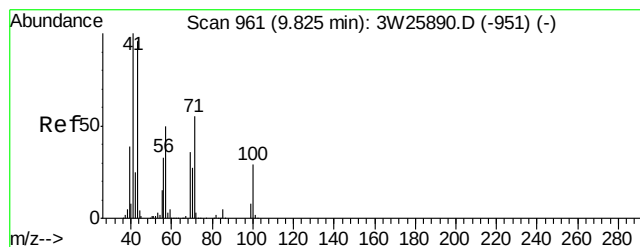
Tgt Ion	Ratio	Lower	Upper
84	100		
69	36.4	12.0	52.0
56	124.6	86.6	126.6



#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.42 PPBV
RT: 9.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

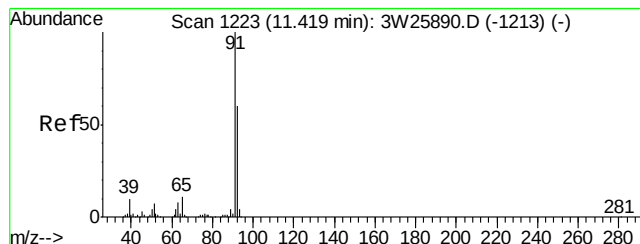
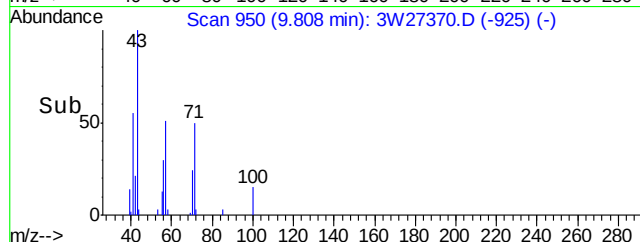
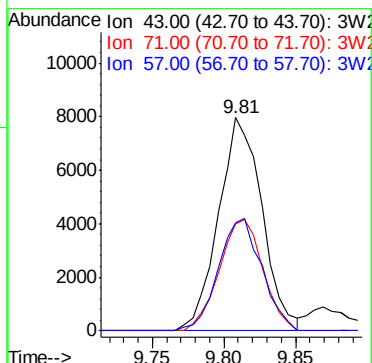
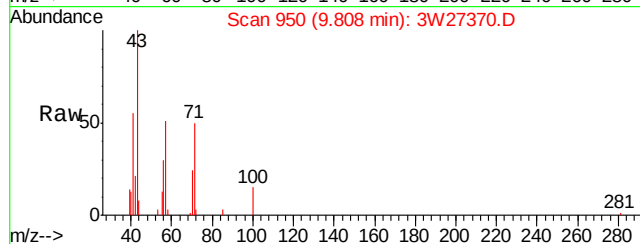
Tgt Ion	Ratio	Lower	Upper
57	100		
56	43.0	13.4	53.4
99	5.0	0.0	24.7





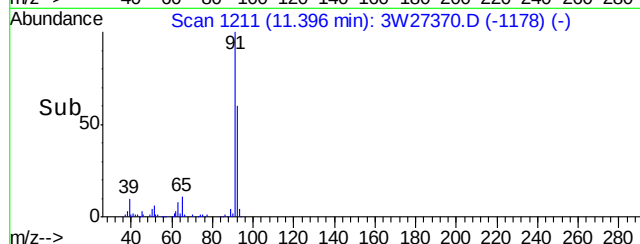
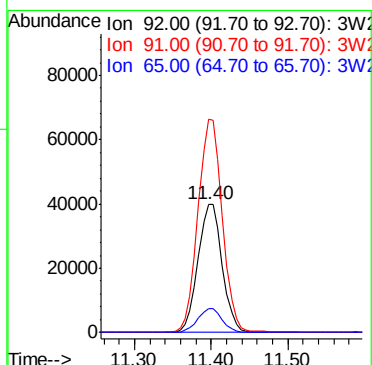
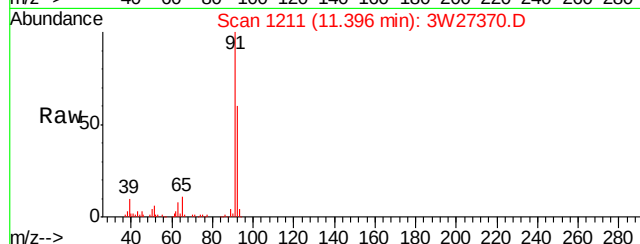
#60
HEPTANE
Concen: 0.57 PPBV
RT: 9.81 min Scan# 950
Delta R.T. 0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

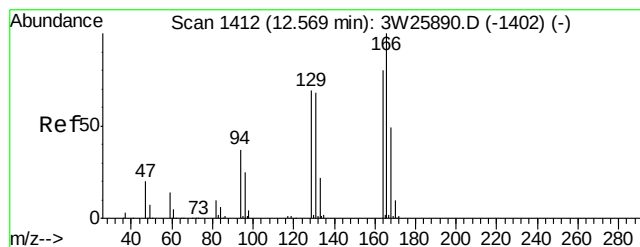
Tgt Ion	Ratio	Lower	Upper
43	100		
71	52.2	32.5	72.5
57	52.3	31.1	71.1



#65
TOLUENE
Concen: 3.01 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

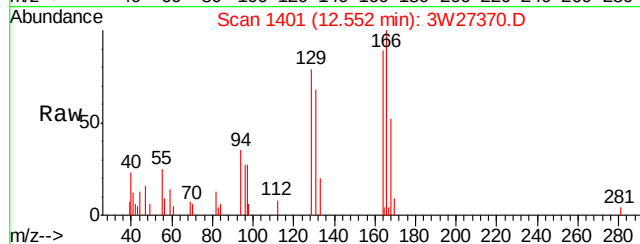
Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.0	148.5	188.5
65	18.7	2.8	42.8





#71
TETRACHLOROETHYLENE
Concen: 0.33 PPBV
RT: 12.55 min Scan# 1401
Delta R.T. 0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.4	71.9	111.9
168	59.2	41.4	81.4
131	84.7	69.2	109.2



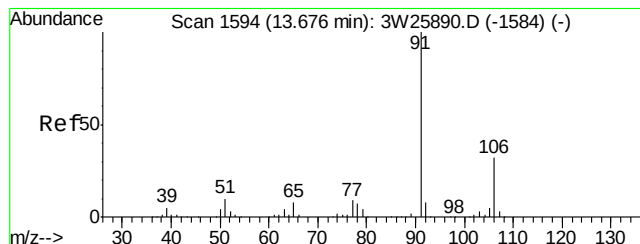
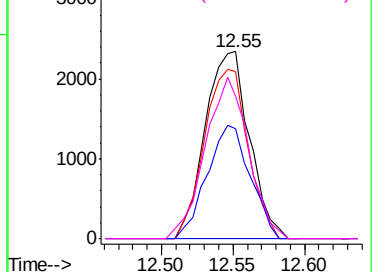
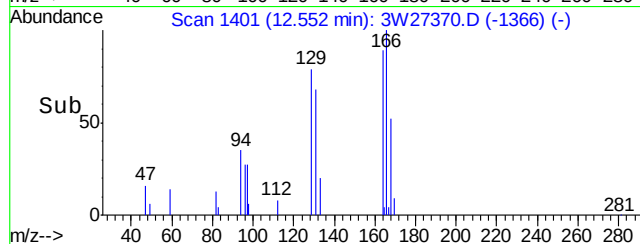
Abundance

Ion 163.75 (163.45 to 164.45): 3

Ion 128.80 (128.50 to 129.50): 3

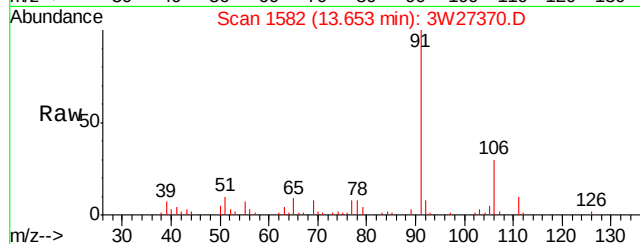
Ion 167.80 (167.50 to 168.50): 3

Ion 131.00 (130.70 to 131.70): 3



#77
ETHYLBENZENE
Concen: 0.84 PPBV
RT: 13.65 min Scan# 1582
Delta R.T. 0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	11.0	51.0
77	8.4	0.0	28.5

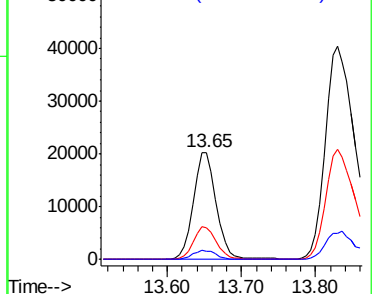
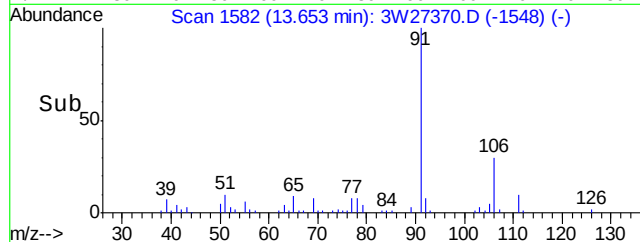


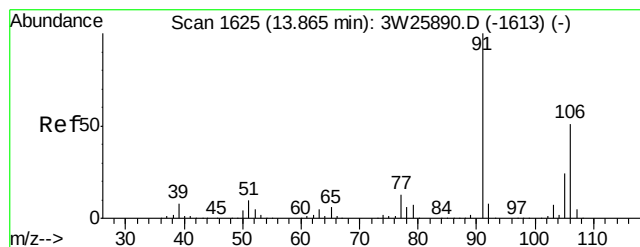
Abundance

Ion 91.00 (90.70 to 91.70): 3W2

Ion 106.00 (105.70 to 106.70): 3

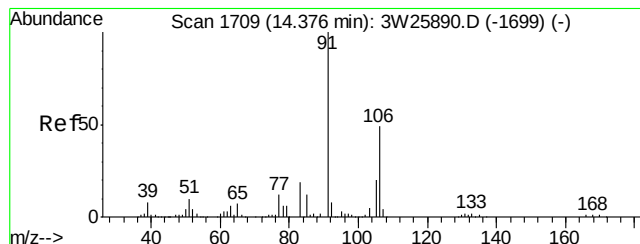
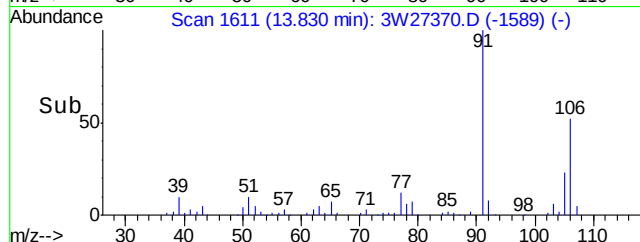
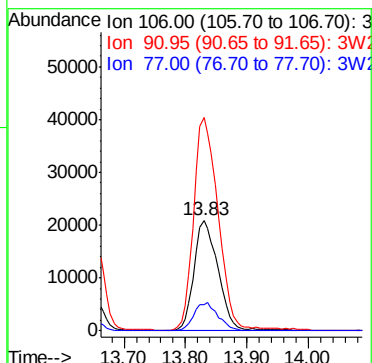
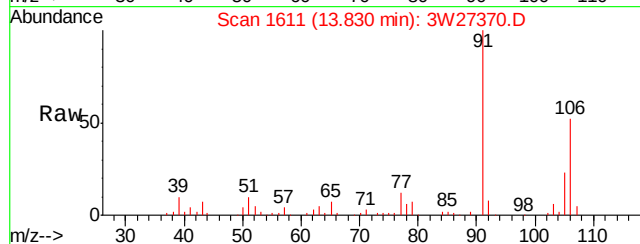
Ion 77.00 (76.70 to 77.70): 3W2





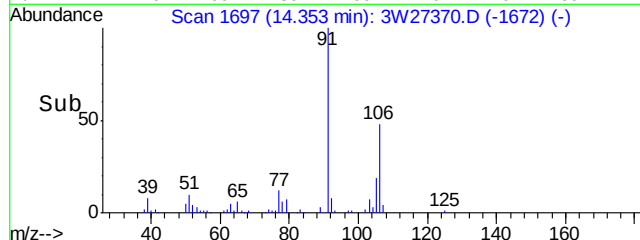
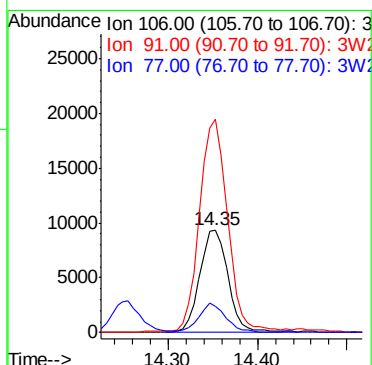
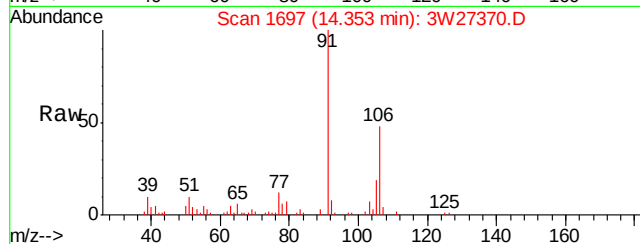
#78
m,p-XYLENE
Concen: 2.97 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

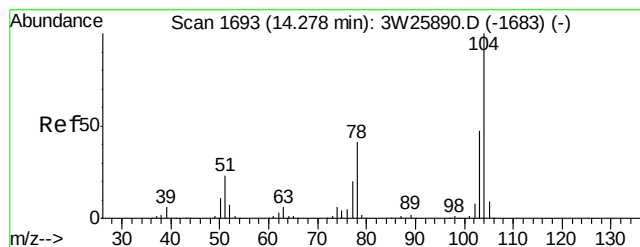
Tgt Ion:	106	Resp:	57632
Ion Ratio	Lower	Upper	
106	100		
91	192.7	177.2	217.2
77	23.7	6.3	46.3



#79
o-XYLENE
Concen: 1.10 PPBV
RT: 14.35 min Scan# 1697
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

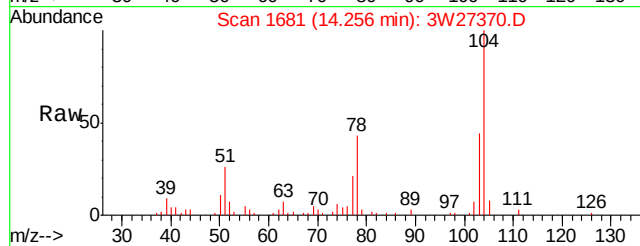
Tgt Ion:	106	Resp:	20474
Ion Ratio	Lower	Upper	
106	100		
91	211.7	192.3	232.3
77	27.0	6.3	46.3



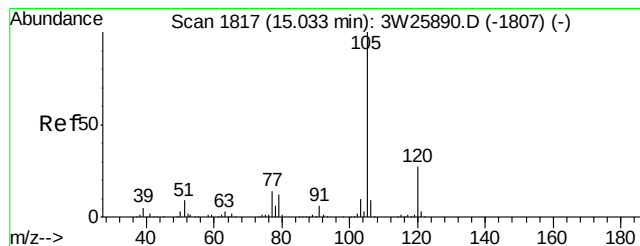
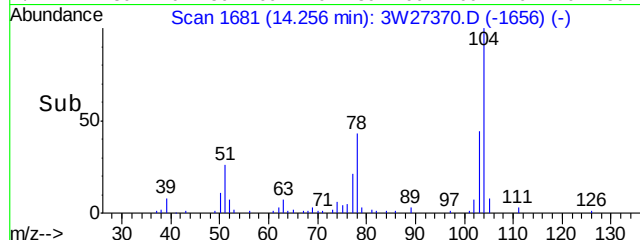
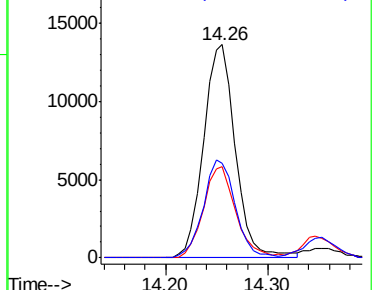


#80
 STYRENE
 Concen: 1.12 PPBV
 RT: 14.26 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

Tgt Ion:	104	Resp:	29461
Ion Ratio	Lower	Upper	
104	100		
78	43.9	22.1	62.1
103	46.1	27.0	67.0

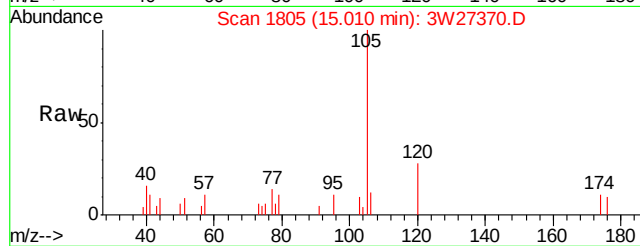


Abundance Ion 104.00 (103.70 to 104.70): 3
 Ion 78.00 (77.70 to 78.70): 3W2
 Ion 103.00 (102.70 to 103.70): 3

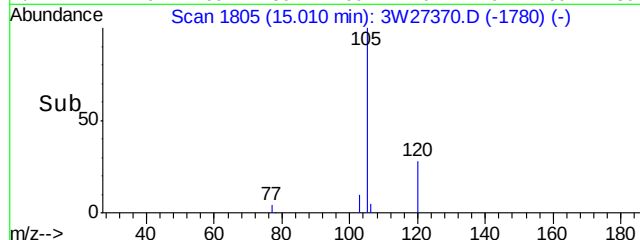
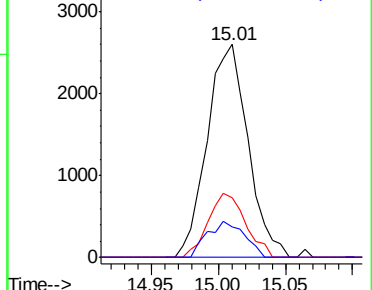


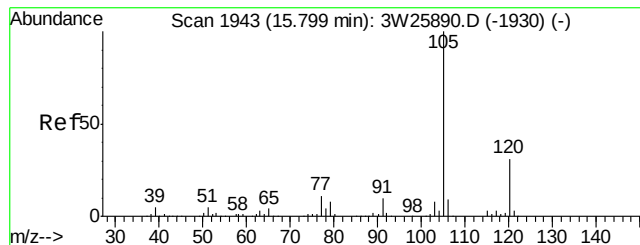
#86
 ISOPROPYLBENZENE
 Concen: 0.11 PPBV
 RT: 15.01 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: 3W27370.D
 Acq: 5 Apr 2012 3:17 am

Tgt Ion:	105	Resp:	5500
Ion Ratio	Lower	Upper	
105	100		
120	27.6	5.9	45.9
77	15.3	0.0	35.1



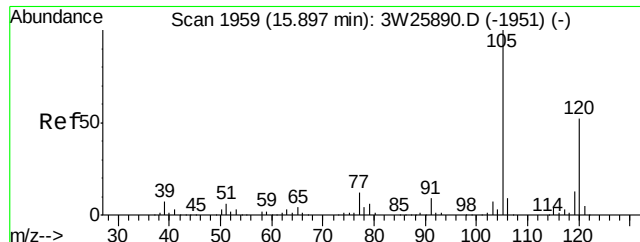
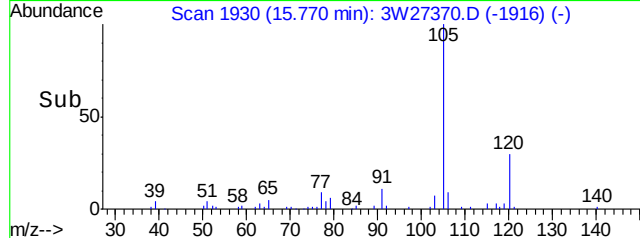
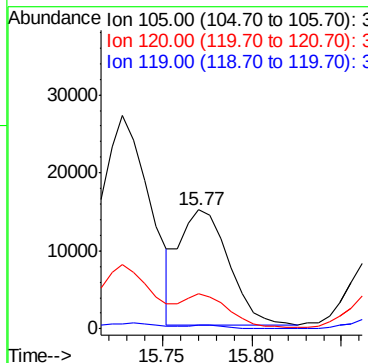
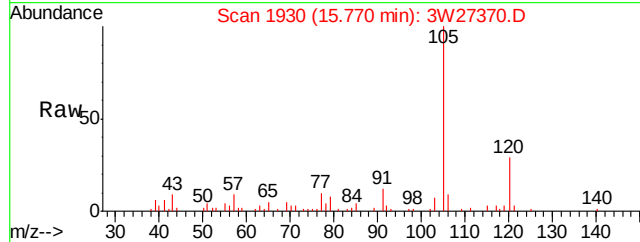
Abundance Ion 105.00 (104.70 to 105.70): 3
 Ion 120.00 (119.70 to 120.70): 3
 Ion 77.00 (76.70 to 77.70): 3W2





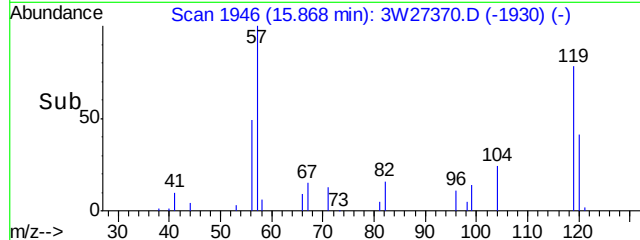
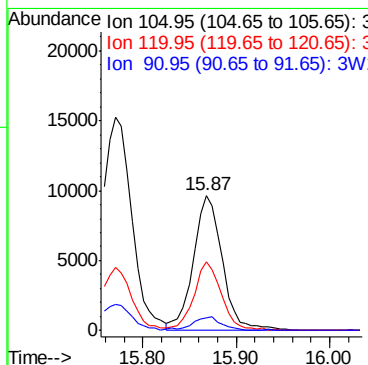
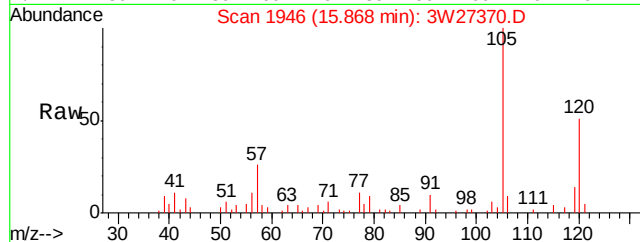
#90
4-ETHYLTOLUENE
Concen: 0.69 PPBV m
RT: 15.77 min Scan# 1930
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

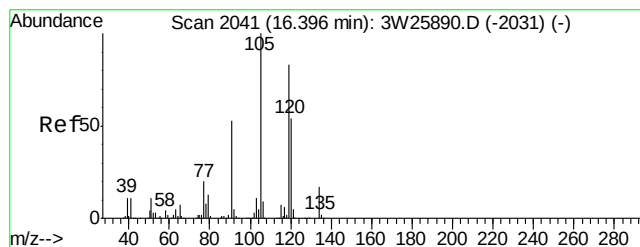
Tgt Ion	Ratio	Lower	Upper
105	100		
120	86.8	9.3	49.3#
119	8.7	0.0	22.4



#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.62 PPBV
RT: 15.87 min Scan# 1946
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

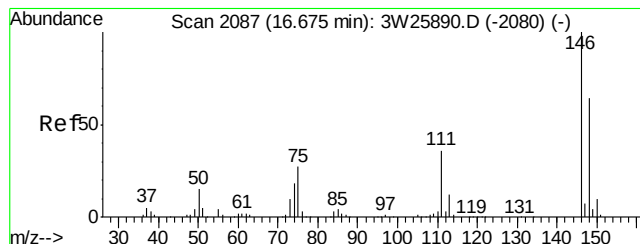
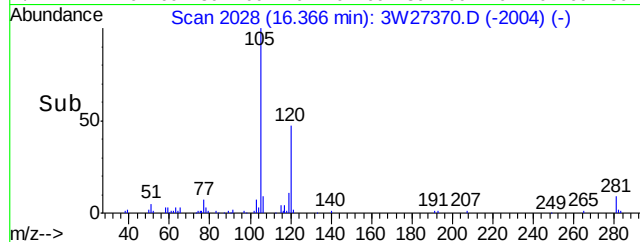
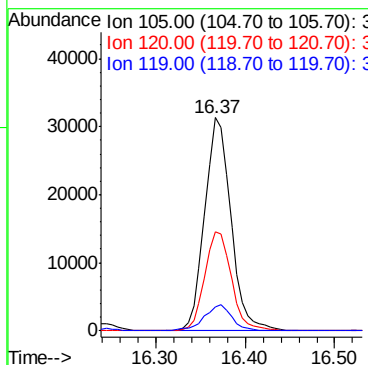
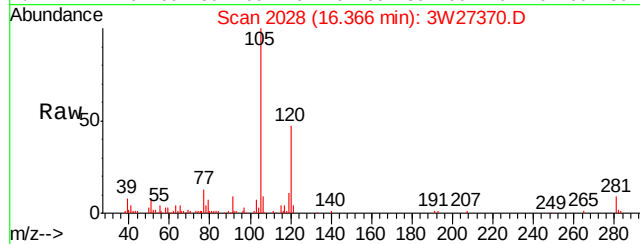
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	29.6	69.6
91	10.5	0.0	29.8





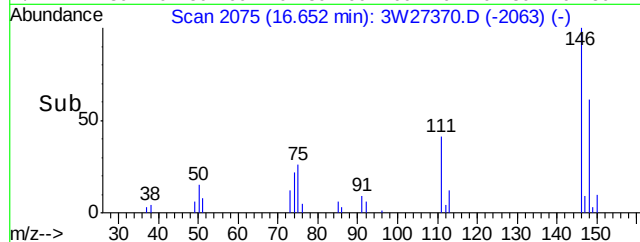
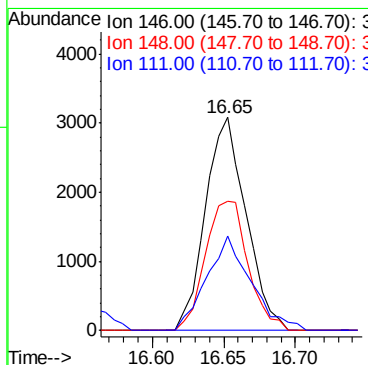
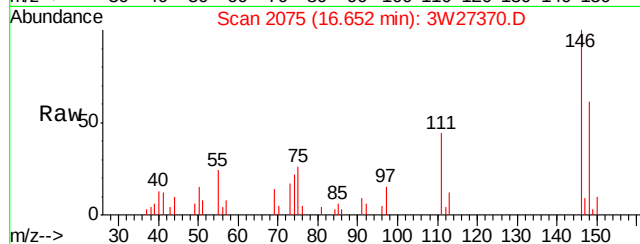
#94
1,2,4-TRIMETHYLBENZENE
Concen: 2.14 PPBV
RT: 16.37 min Scan# 2028
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

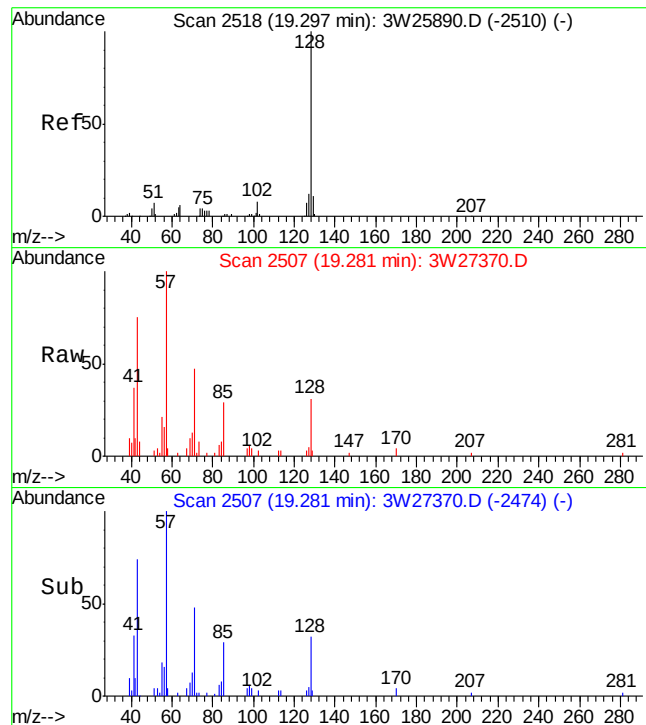
Tgt Ion:	105	Resp:	63644
Ion Ratio	Lower	Upper	
105	100		
120	47.2	36.7	76.7
119	12.9	95.0	135.0#



#97
p-DICHLOROBENZENE
Concen: 0.34 PPBV
RT: 16.65 min Scan# 2075
Delta R.T. -0.01 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

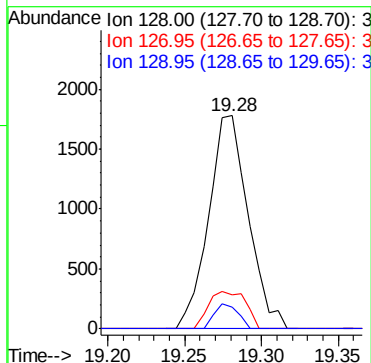
Tgt Ion:	146	Resp:	6096
Ion Ratio	Lower	Upper	
146	100		
148	63.7	43.9	83.9
111	48.5	18.1	58.1





#106
NAPHTHALENE
Concen: 0.58 PPBV
RT: 19.28 min Scan# 2507
Delta R.T. -0.00 min
Lab File: 3W27370.D
Acq: 5 Apr 2012 3:17 am

Tgt Ion:	128	Resp:	3213
Ion Ratio	Lower	Upper	
128	100		
127	16.7	0.0	33.2
129	7.1	0.0	30.9



6.1.4
6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27371.D Vial: 9
 Acq On : 5 Apr 2012 3:58 am Operator: yunxiac
 Sample : JB2710-5 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:35 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.32	128	96099	10.00	PPBV	0.01
49) 1,4-DIFLUOROBENZENE	8.99	114	432694	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	202387	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	202387	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE 14.88 95 212238 9.31 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 93.10%

Target Compounds

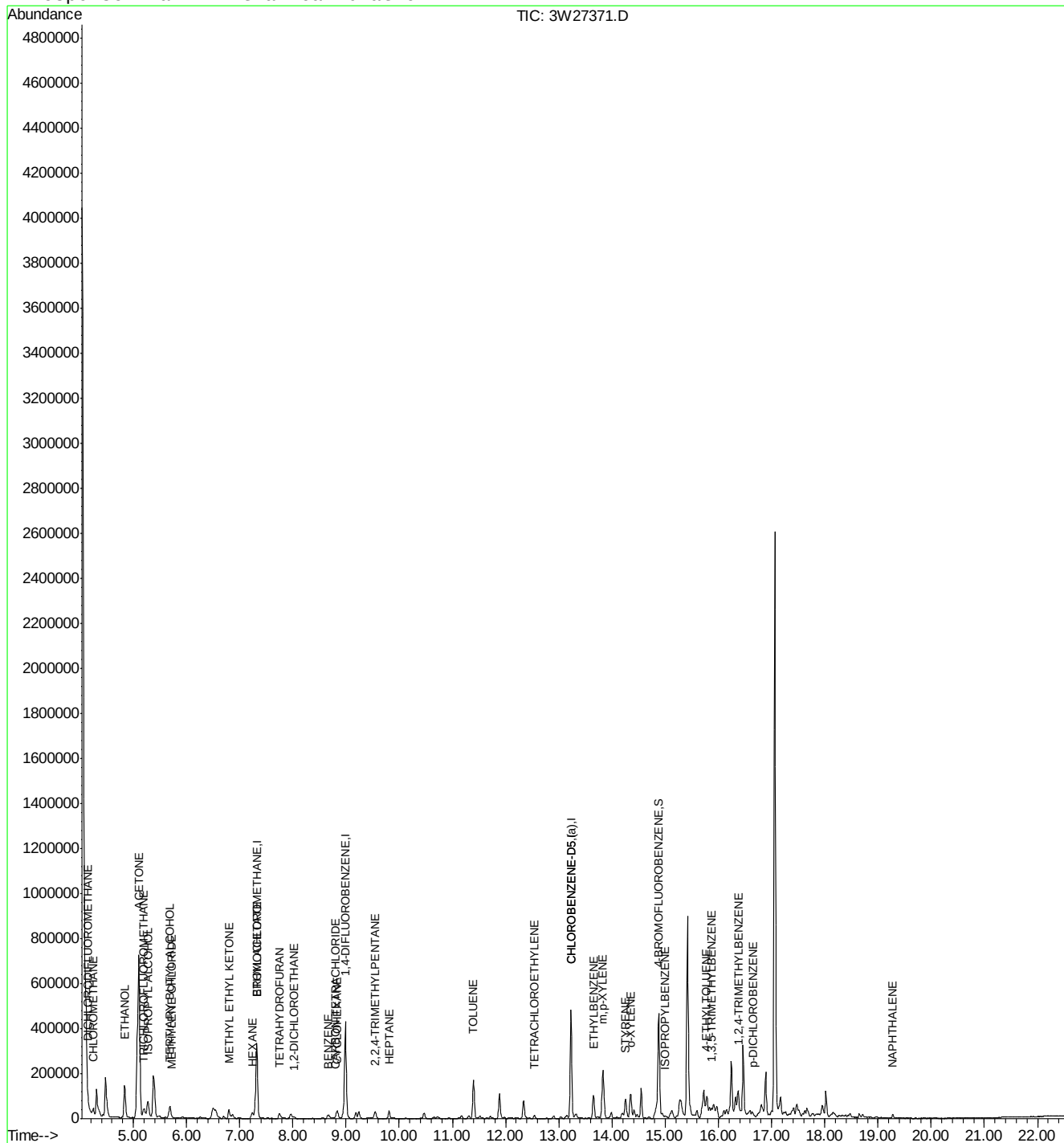
						Qvalue
5) DICHLORODIFLUOROMETHANE	4.14	85	14796	0.42	PPBV	99
8) CHLOROMETHANE	4.25	50	9779	0.61	PPBV	98
18) TRICHLOROFLUOROMETHANE	5.20	101	51570	1.60	PPBV	100
19) ISOPROPYL ALCOHOL	5.28	45	108181	4.06	PPBV	99
20) ACETONE	5.11	58	261109	36.74	PPBV #	65
26) ETHANOL	4.84	45	195979	27.04	PPBV	98
29) METHYLENE CHLORIDE	5.73	84	5422	0.41	PPBV	89
33) TERTIARY BUTYL ALCOHOL	5.67	59	14577	0.50	PPBV #	1
35) TETRAHYDROFURAN	7.75	72	7593	1.19	PPBV	99
36) HEXANE	7.24	57	18407	0.77	PPBV #	81
39) METHYL ETHYL KETONE	6.80	72	14626	2.35	PPBV #	84
42) ETHYL ACETATE	7.32	61	17941	4.36	PPBV #	92
47) CARBON TETRACHLORIDE	8.80	117	2855	0.10	PPBV	97
48) 1,2-DICHLOROETHANE	8.02	62	6007	0.37	PPBV	96
50) BENZENE	8.66	78	15071	0.34	PPBV	98
51) CYCLOHEXANE	8.83	84	18247	0.90	PPBV	83
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	31115	0.44	PPBV	83
60) HEPTANE	9.81	43	18275	0.64	PPBV	96
65) TOLUENE	11.40	92	86805	3.07	PPBV	98
71) TETRACHLOROETHYLENE	12.55	164	2865	0.19	PPBV	97
77) ETHYLBENZENE	13.65	91	70125	1.41	PPBV	99
78) m,p-XYLENE	13.83	106	94916	5.07	PPBV	99
79) o-XYLENE	14.35	106	32167	1.79	PPBV	99
80) STYRENE	14.26	104	46439	1.84	PPBV	100
86) ISOPROPYLBENZENE	15.00	105	6204	0.13	PPBV	99
90) 4-ETHYLTOLUENE	15.77	105	29931m	0.76	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	21207	0.65	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	64806	2.26	PPBV #	32
97) p-DICHLOROBENZENE	16.66	146	2694	0.16	PPBV #	1
106) NAPHTHALENE	19.28	128	3951	0.74	PPBV	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27371.D M3W1065.M Thu Apr 05 10:10:53 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27371.D Vial: 9
Acq On : 5 Apr 2012 3:58 am Operator: yunxiac
Sample : JB2710-5 Inst : MS3W
Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 10:06 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

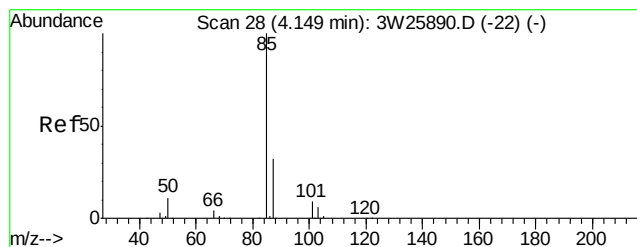


3W27371.D M3W1065.M

Thu Apr 05 10:10:54 2012

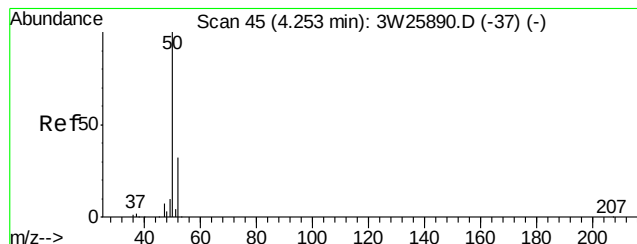
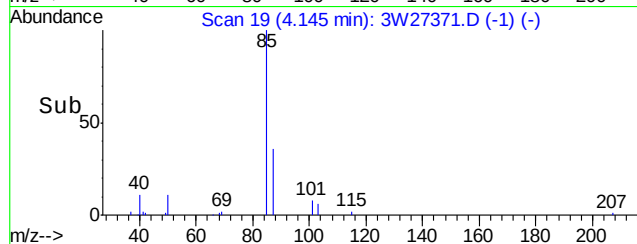
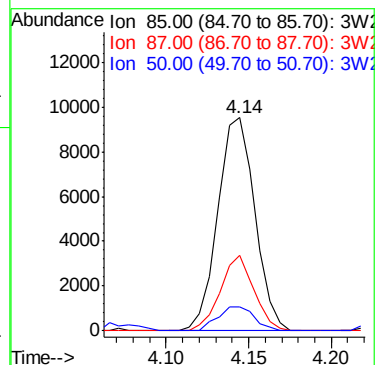
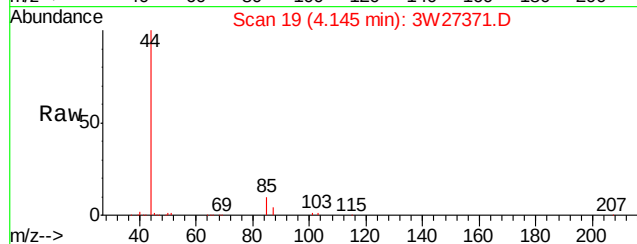
MSW

Page 2



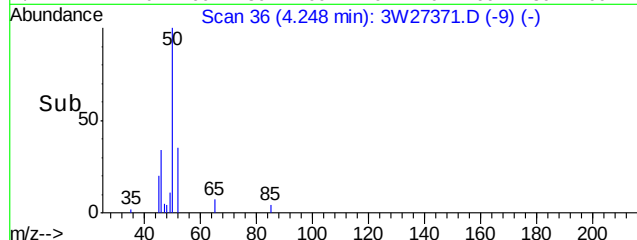
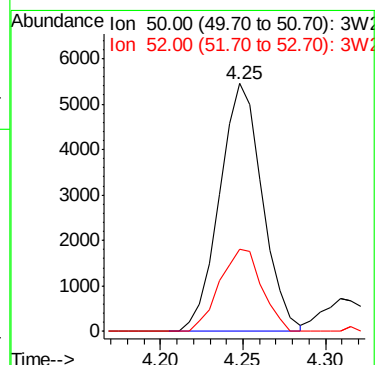
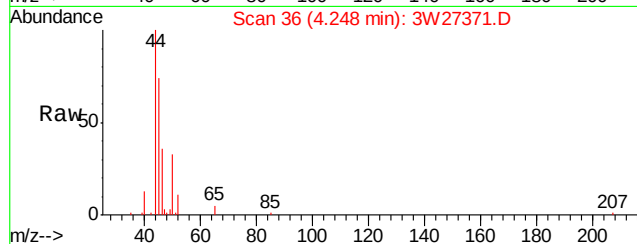
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.42 PPBV
 RT: 4.14 min Scan# 19
 Delta R.T. -0.02 min
 Lab File: 3W27371.D
 Acq: 5 Apr 2012 3:58 am

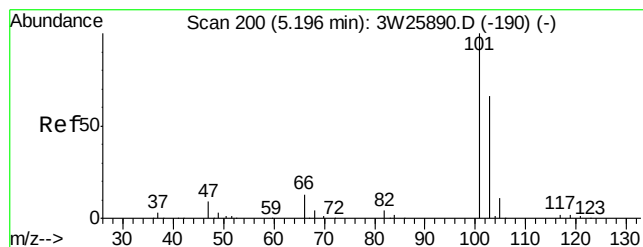
Tgt Ion:	85	Resp:	14796
Ion Ratio	Lower	Upper	
85	100		
87	32.1	12.4	52.4
50	11.1	0.0	31.8



#8
 CHLOROMETHANE
 Concen: 0.61 PPBV
 RT: 4.25 min Scan# 36
 Delta R.T. -0.02 min
 Lab File: 3W27371.D
 Acq: 5 Apr 2012 3:58 am

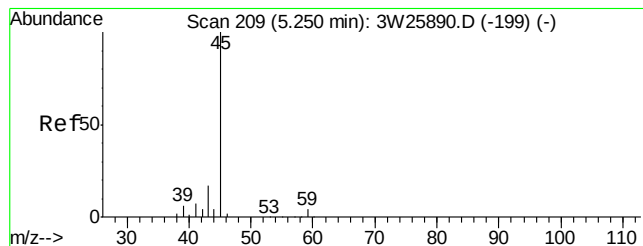
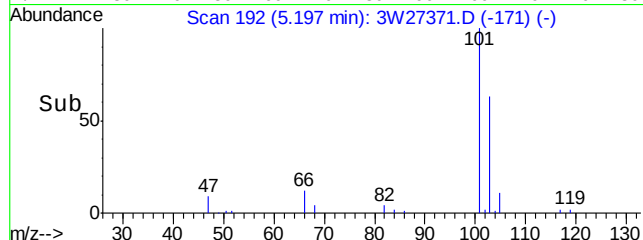
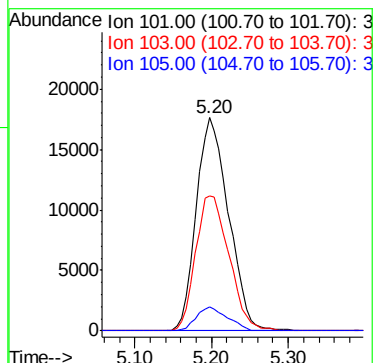
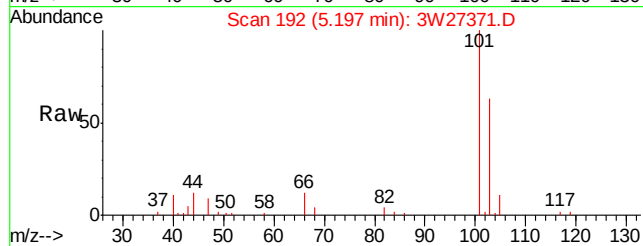
Tgt Ion:	50	Resp:	9779
Ion Ratio	Lower	Upper	
50	100		
52	33.6	12.4	52.4





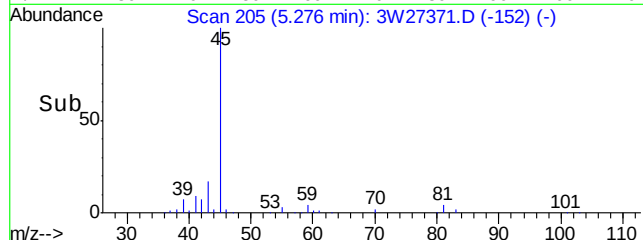
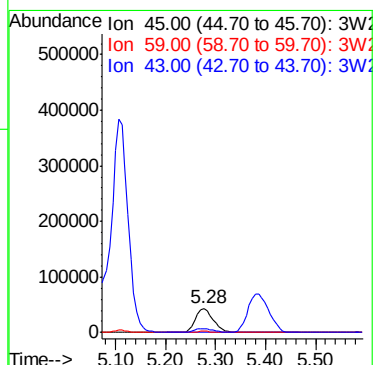
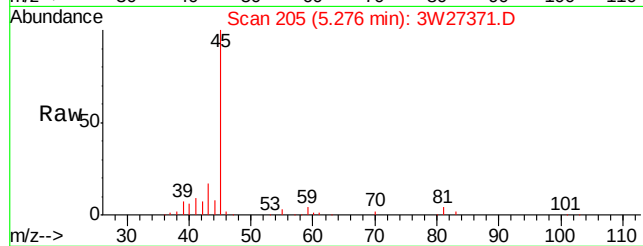
#18
TRICHLOROFLUOROMETHANE
Concen: 1.60 PPBV
RT: 5.20 min Scan# 192
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

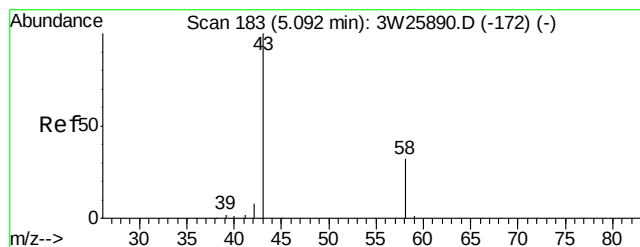
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.3	45.0	85.0
105	10.6	0.0	30.7



#19
ISOPROPYL ALCOHOL
Concen: 4.06 PPBV
RT: 5.28 min Scan# 205
Delta R.T. 0.03 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

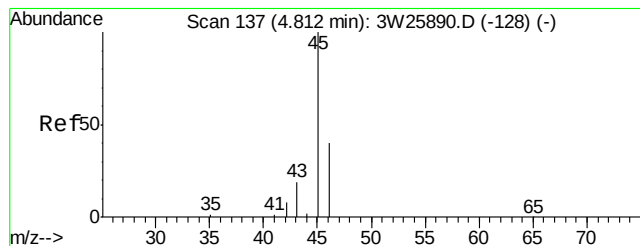
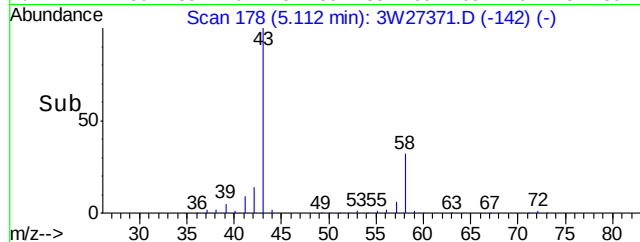
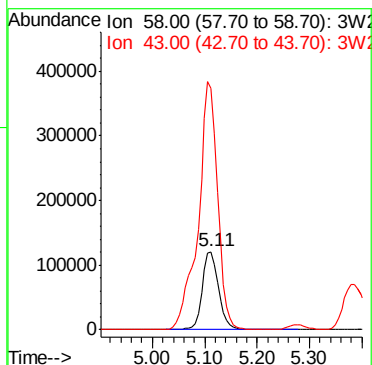
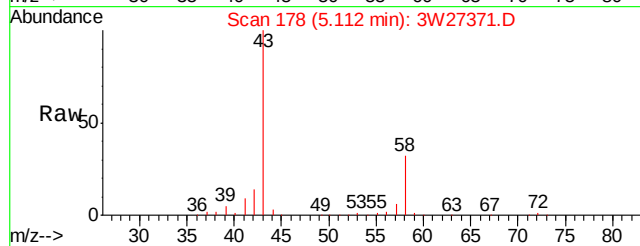
Tgt Ion	Ratio	Lower	Upper
45	100		
59	4.4	0.0	23.9
43	16.9	0.0	37.3





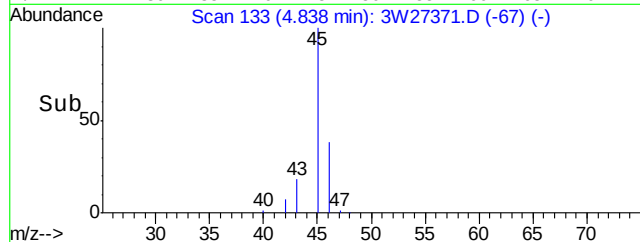
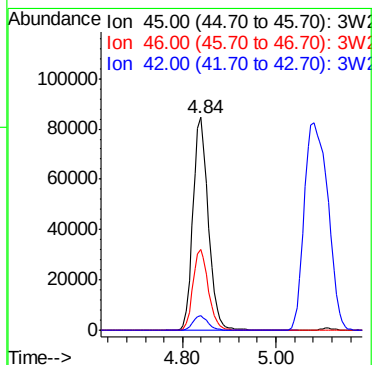
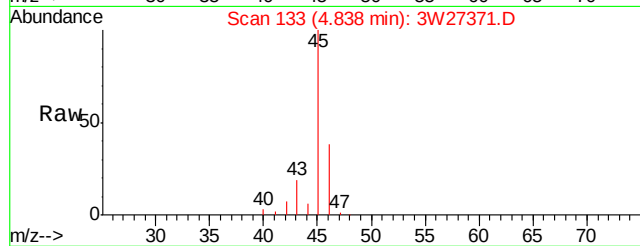
#20
ACETONE
Concen: 36.74 PPBV
RT: 5.11 min Scan# 178
Delta R.T. 0.02 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

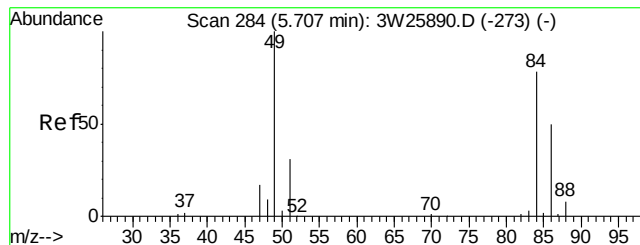
Tgt Ion: 58 Resp: 261109
Ion Ratio Lower Upper
58 100
43 378.7 289.4 329.4#



#26
ETHANOL
Concen: 27.04 PPBV
RT: 4.84 min Scan# 133
Delta R.T. 0.02 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

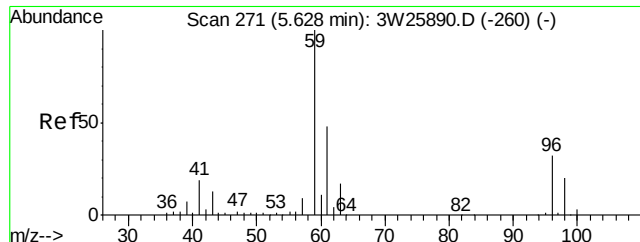
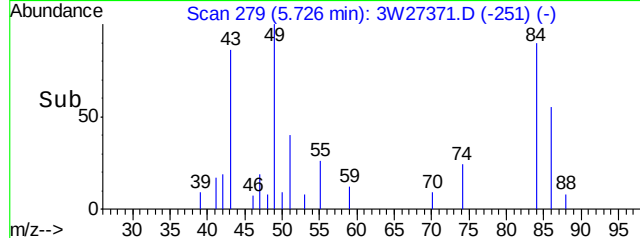
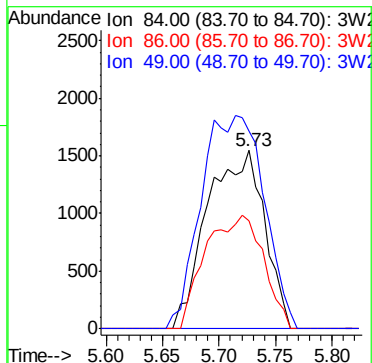
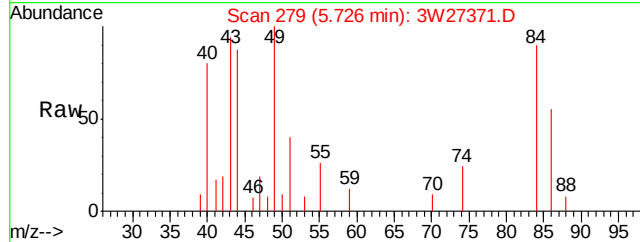
Tgt Ion: 45 Resp: 195979
Ion Ratio Lower Upper
45 100
46 38.1 17.5 57.5
42 6.9 0.0 29.8





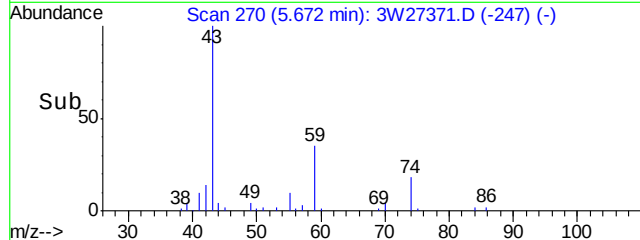
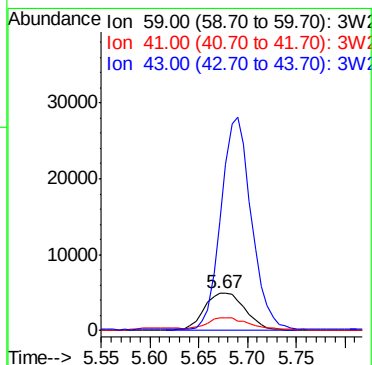
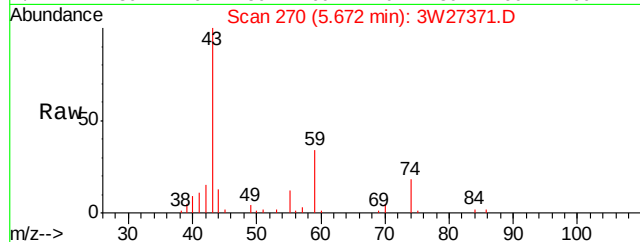
#29
METHYLENE CHLORIDE
Concen: 0.41 PPBV
RT: 5.73 min Scan# 279
Delta R.T. 0.02 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

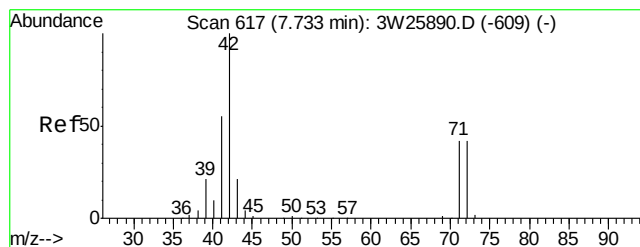
Tgt Ion:	84	Resp:	5422
Ion Ratio	Lower	Upper	
84	100		
86	65.0	43.9	83.9
49	132.2	0.0	350.8



#33
TERTIARY BUTYL ALCOHOL
Concen: 0.50 PPBV
RT: 5.67 min Scan# 270
Delta R.T. 0.04 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

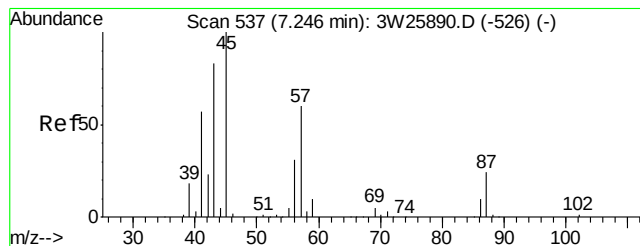
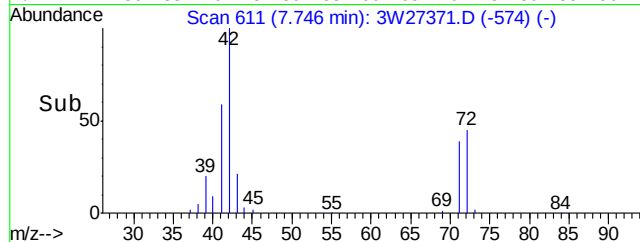
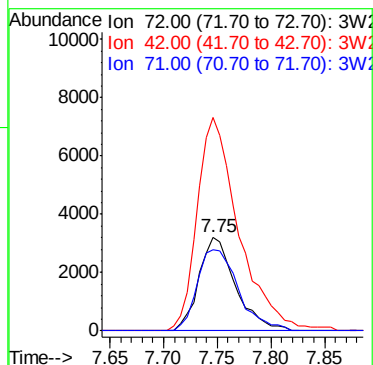
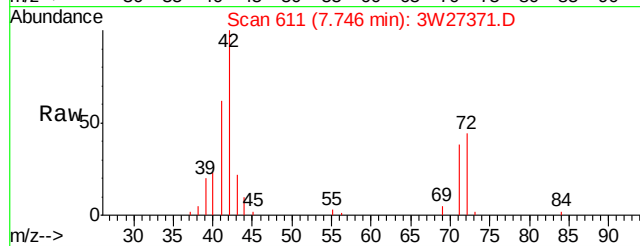
Tgt Ion:	59	Resp:	14577
Ion Ratio	Lower	Upper	
59	100		
41	38.4	1.1	41.1
43	421.3	0.0	33.4#





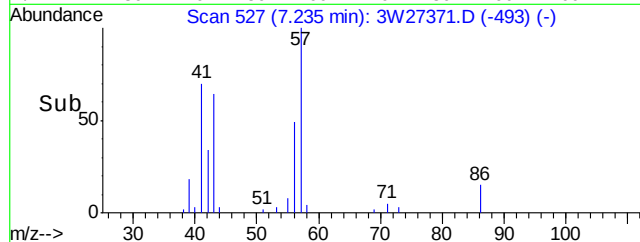
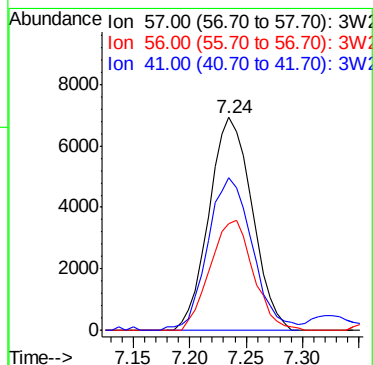
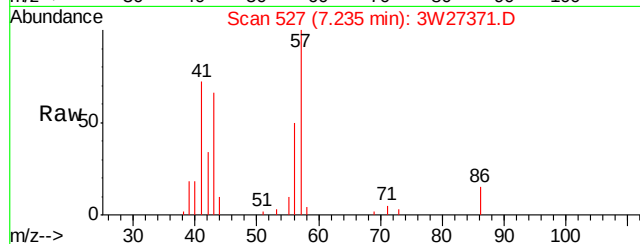
#35
TETRAHYDROFURAN
Concen: 1.19 PPBV
RT: 7.75 min Scan# 611
Delta R.T. 0.02 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

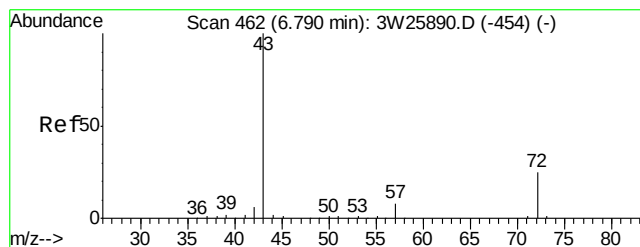
Tgt Ion	Ratio	Lower	Upper
72	100		
42	260.1	242.5	282.5
71	97.5	76.8	116.8



#36
HEXANE
Concen: 0.77 PPBV
RT: 7.24 min Scan# 527
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

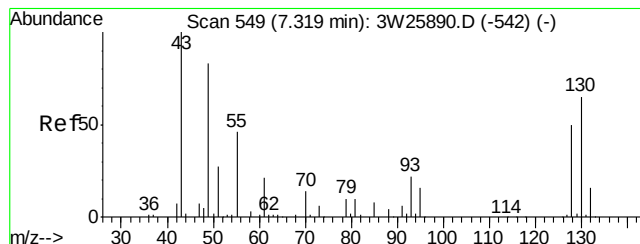
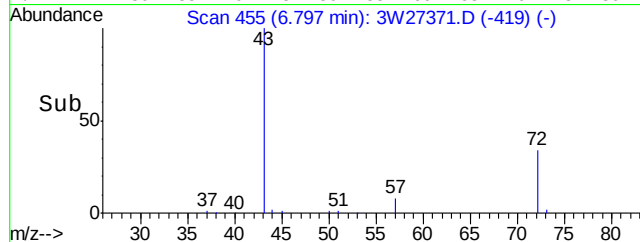
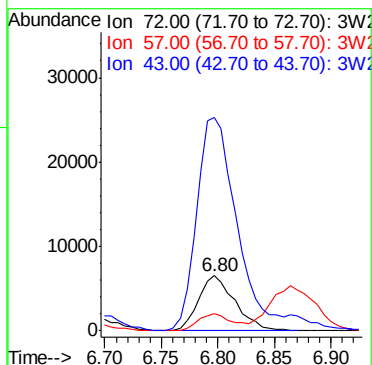
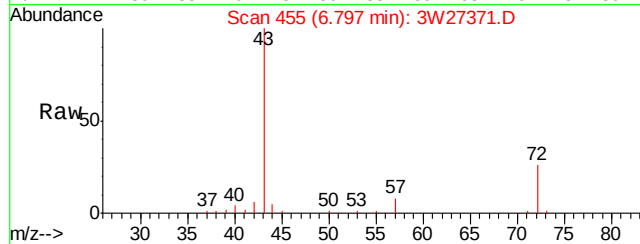
Tgt Ion	Ratio	Lower	Upper
57	100		
56	51.7	31.3	71.3
41	74.2	83.4	123.4





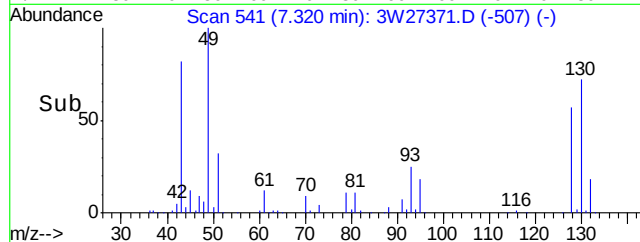
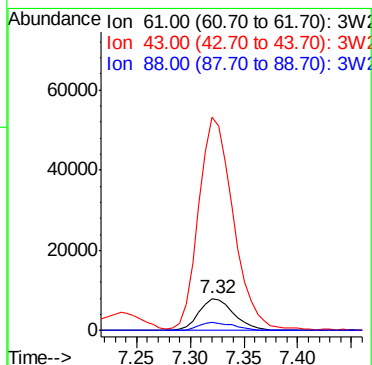
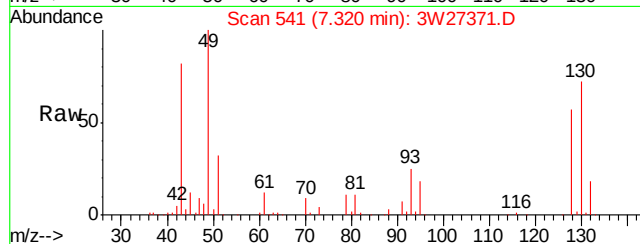
#39
METHYL ETHYL KETONE
Concen: 2.35 PPBV
RT: 6.80 min Scan# 455
Delta R.T. 0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

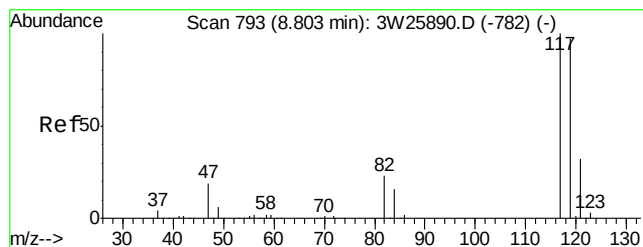
Tgt Ion	Ratio	Lower	Upper
72	100		
57	31.9	11.7	51.7
43	389.2	411.3	451.3#



#42
ETHYL ACETATE
Concen: 4.36 PPBV
RT: 7.32 min Scan# 541
Delta R.T. 0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

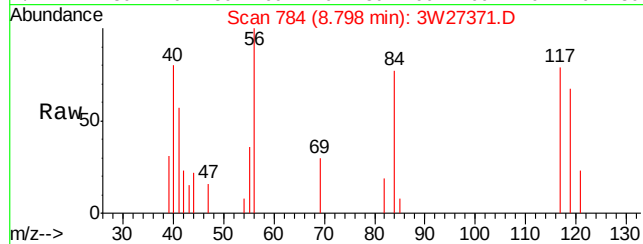
Tgt Ion	Ratio	Lower	Upper
61	100		
43	673.1	683.1	723.1#
88	25.7	4.0	44.0





#47
 CARBON TETRACHLORIDE
 Concen: 0.10 PPBV
 RT: 8.80 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: 3W27371.D
 Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.9	116.9
121	29.7	11.0	51.0

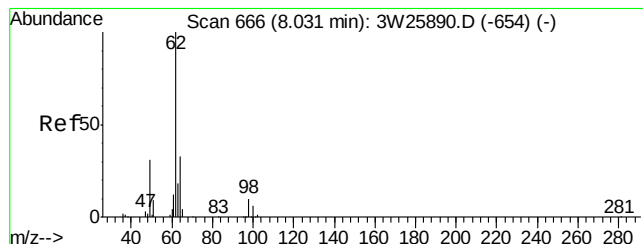
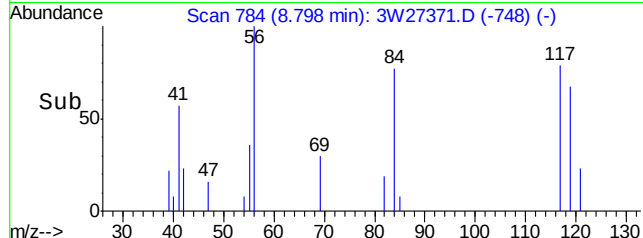
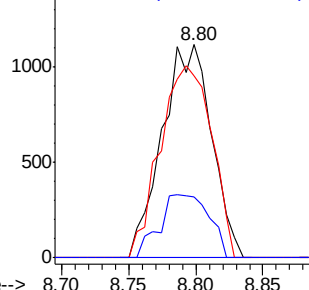


Abundance

Ion 117.00 (116.70 to 117.70): 3

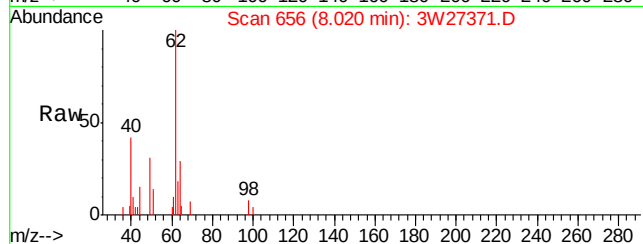
Ion 119.00 (118.70 to 119.70): 3

Ion 121.00 (120.70 to 121.70): 3



#48
 1,2-DICHLOROETHANE
 Concen: 0.37 PPBV
 RT: 8.02 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: 3W27371.D
 Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.0	12.3	52.3
98	8.5	0.0	29.0

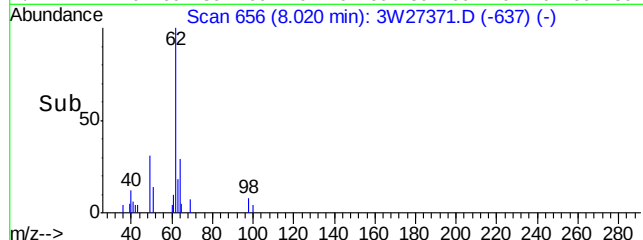
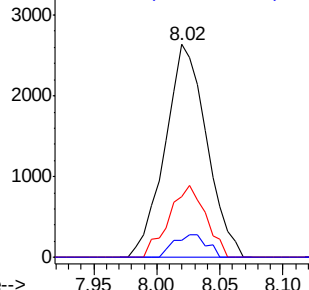


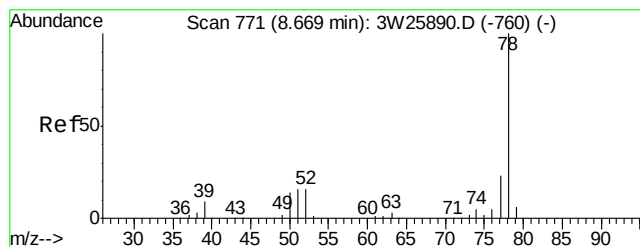
Abundance

Ion 62.00 (61.70 to 62.70): 3W2

Ion 64.00 (63.70 to 64.70): 3W2

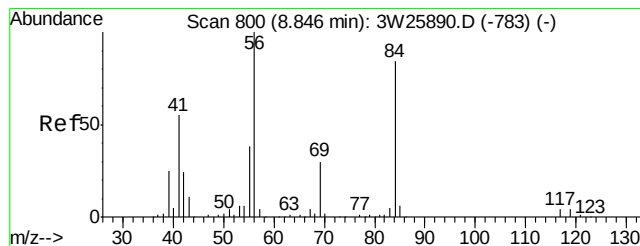
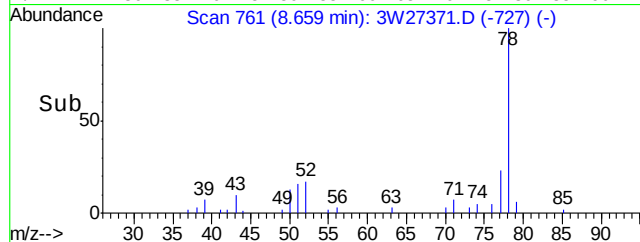
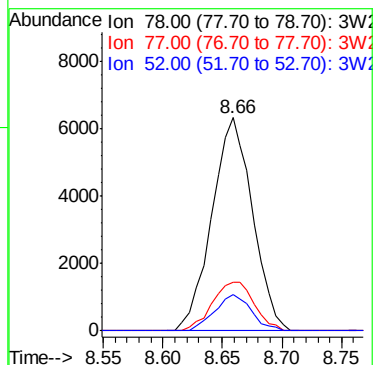
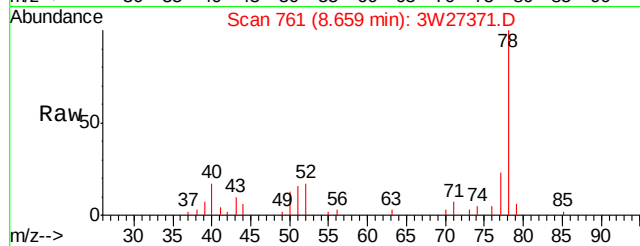
Ion 98.00 (97.70 to 98.70): 3W2





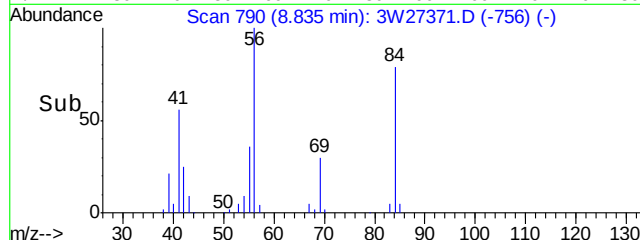
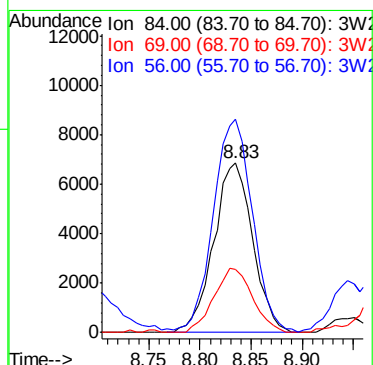
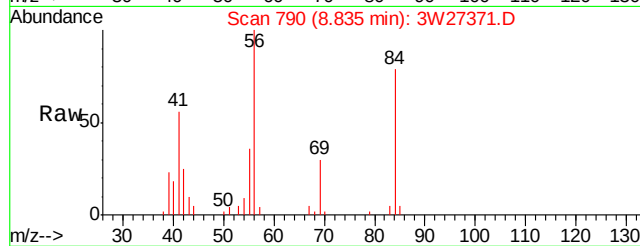
#50
BENZENE
Concen: 0.34 PPBV
RT: 8.66 min Scan# 761
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

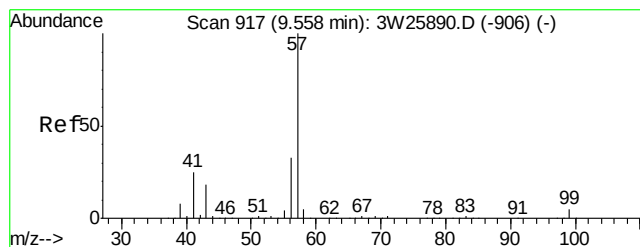
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	3.2	43.2
52	15.4	0.0	36.9



#51
CYCLOHEXANE
Concen: 0.90 PPBV
RT: 8.83 min Scan# 790
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

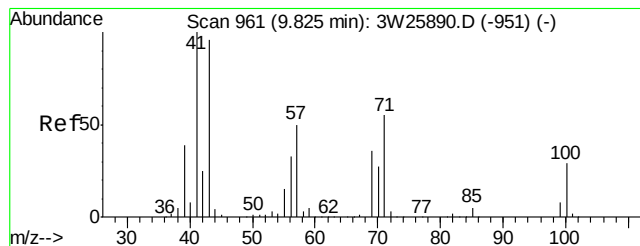
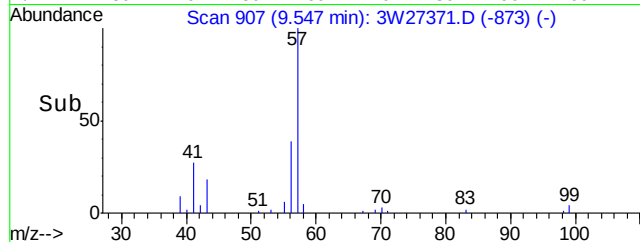
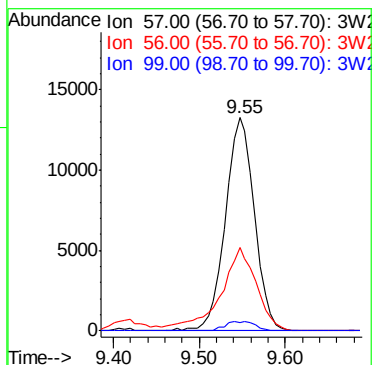
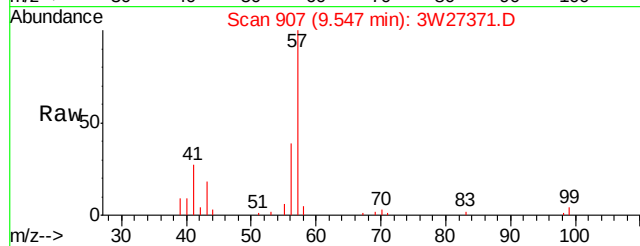
Tgt Ion	Ratio	Lower	Upper
84	100		
69	37.3	12.0	52.0
56	126.5	86.6	126.6





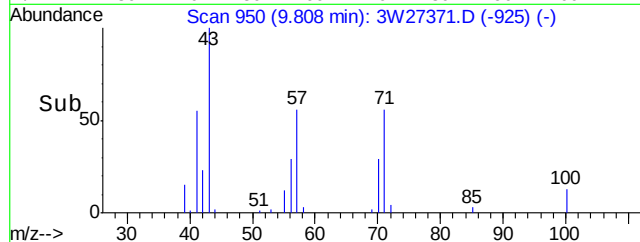
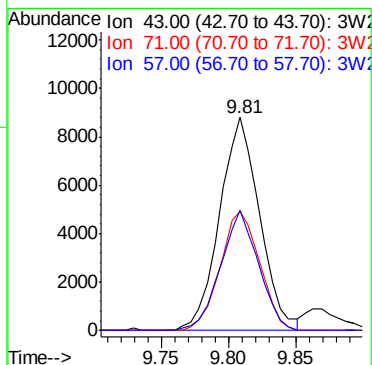
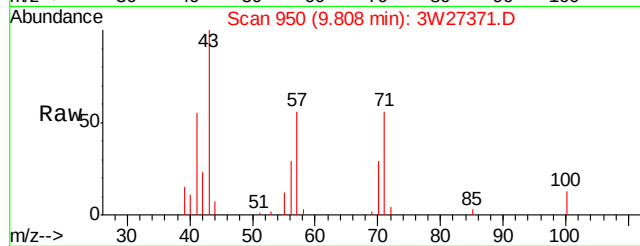
#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.44 PPBV
RT: 9.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

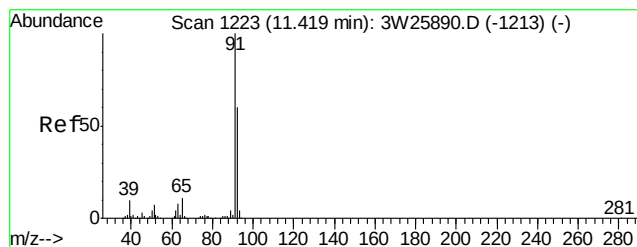
Tgt Ion:	57	Resp:	31115
Ion Ratio		Lower	Upper
57	100		
56	44.4	13.4	53.4
99	4.6	0.0	24.7



#60
HEPTANE
Concen: 0.64 PPBV
RT: 9.81 min Scan# 950
Delta R.T. 0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

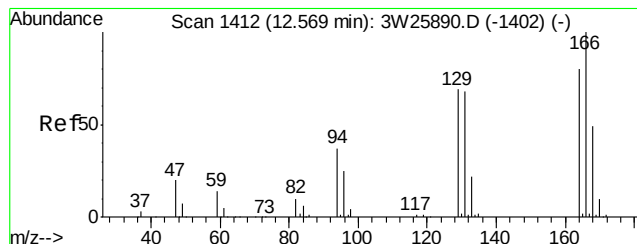
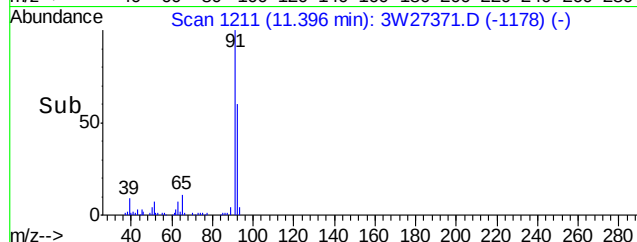
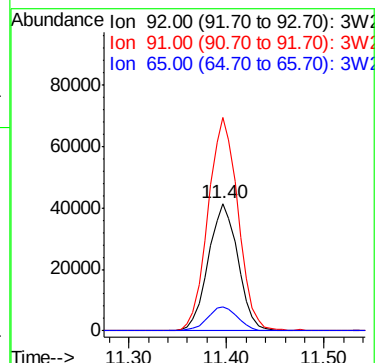
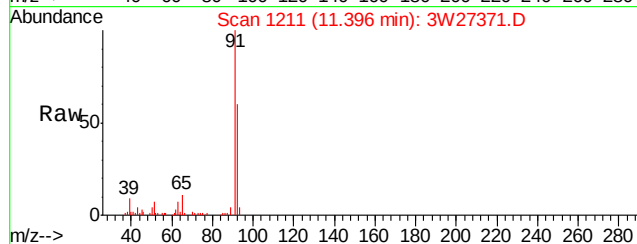
Tgt Ion:	43	Resp:	18275
Ion Ratio		Lower	Upper
43	100		
71	55.2	32.5	72.5
57	53.4	31.1	71.1





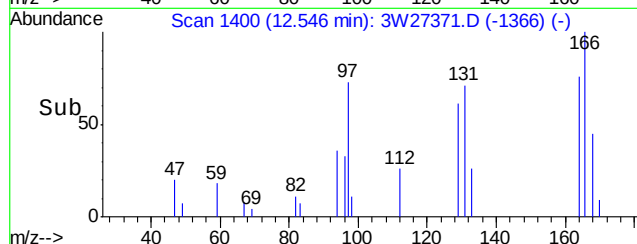
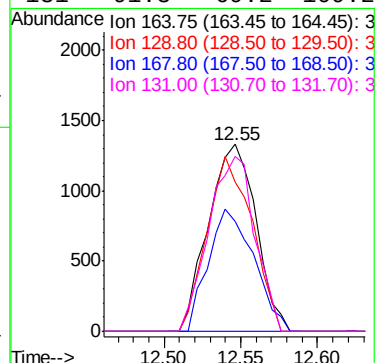
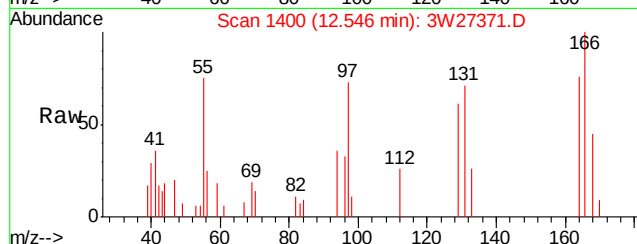
#65
TOLUENE
Concen: 3.07 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

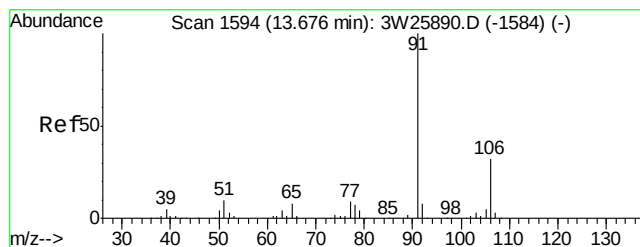
Tgt Ion:	92	Resp:	86805
Ion Ratio	Lower	Upper	
92	100		
91	170.2	148.5	188.5
65	19.1	2.8	42.8



#71
TETRACHLOROETHYLENE
Concen: 0.19 PPBV
RT: 12.55 min Scan# 1400
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

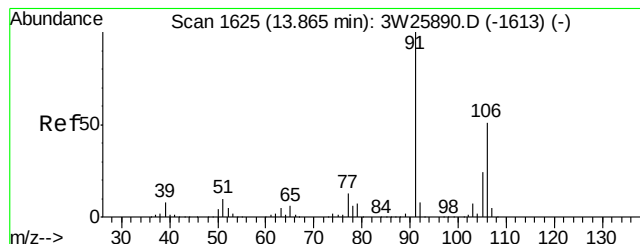
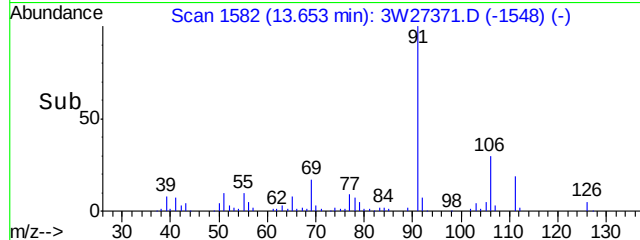
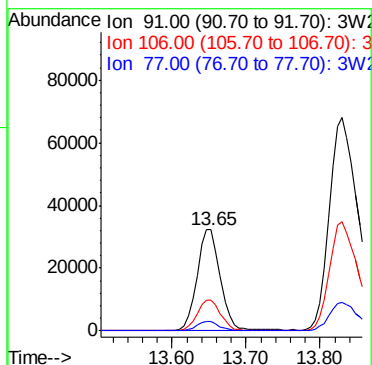
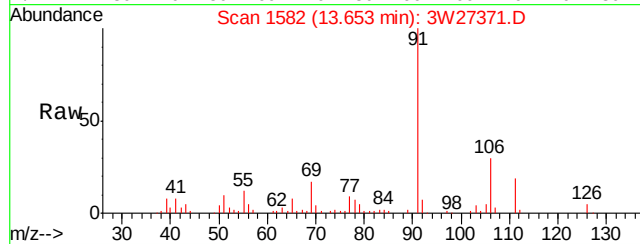
Tgt Ion:	164	Resp:	2865
Ion Ratio	Lower	Upper	
164	100		
129	88.2	71.9	111.9
168	62.4	41.4	81.4
131	91.3	69.2	109.2





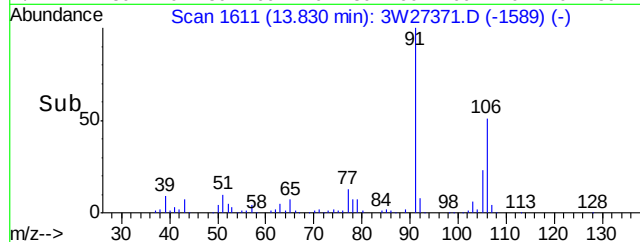
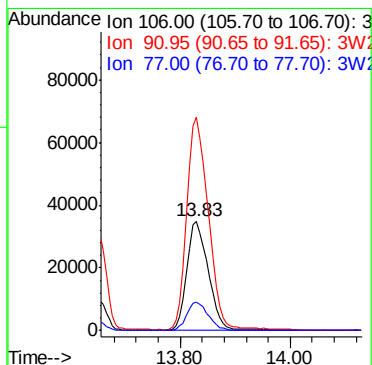
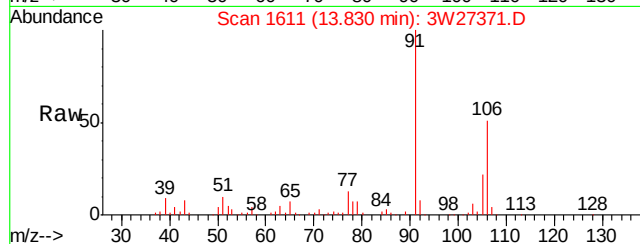
#77
ETHYLBENZENE
Concen: 1.41 PPBV
RT: 13.65 min Scan# 1582
Delta R.T. 0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

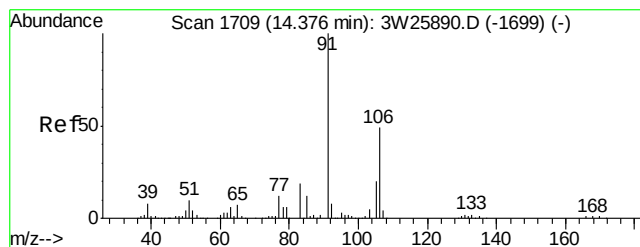
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	11.0	51.0
77	8.5	0.0	28.5



#78
m,p-XYLENE
Concen: 5.07 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

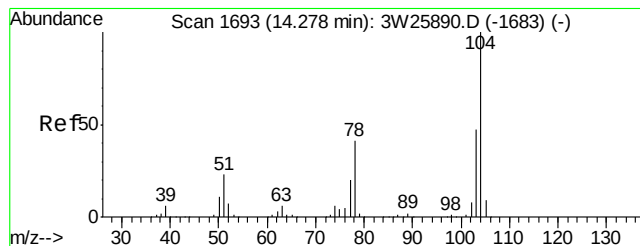
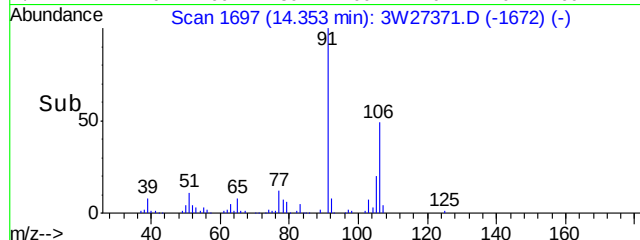
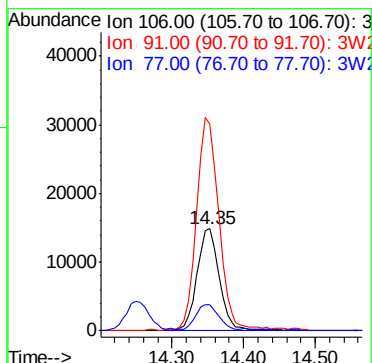
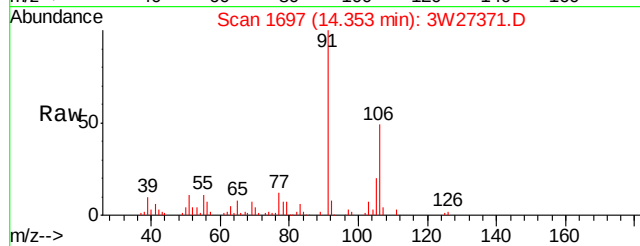
Tgt Ion	Ratio	Lower	Upper
106	100		
91	195.2	177.2	217.2
77	26.0	6.3	46.3





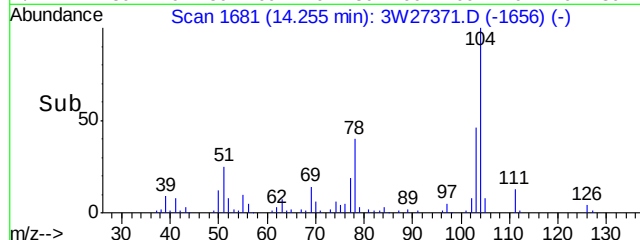
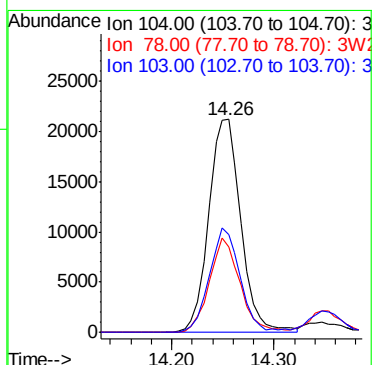
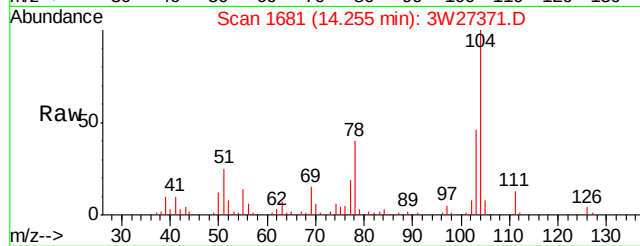
#79
o-XYLENE
Concen: 1.79 PPBV
RT: 14.35 min Scan# 1697
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

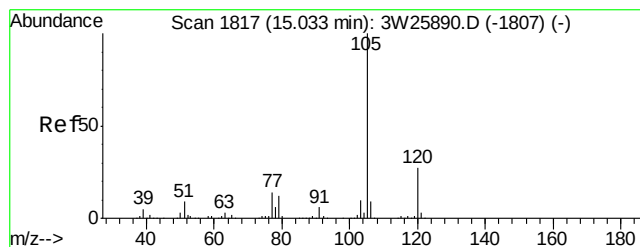
Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.3	192.3	232.3
77	29.3	6.3	46.3



#80
STYRENE
Concen: 1.84 PPBV
RT: 14.26 min Scan# 1681
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

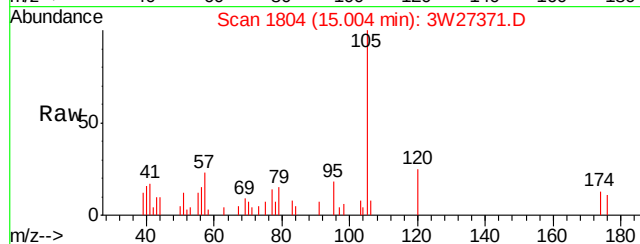
Tgt Ion	Ratio	Lower	Upper
104	100		
78	42.3	22.1	62.1
103	46.9	27.0	67.0





#86
ISOPROPYLBENZENE
Concen: 0.13 PPBV
RT: 15.00 min Scan# 1804
Delta R.T. -0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	5.9	45.9
77	15.0	0.0	35.1

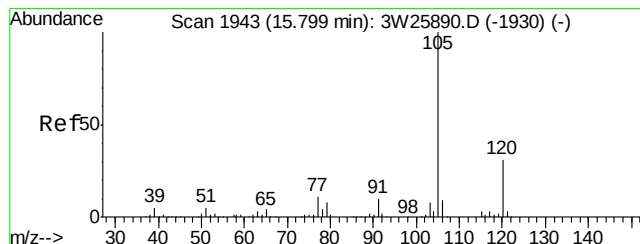
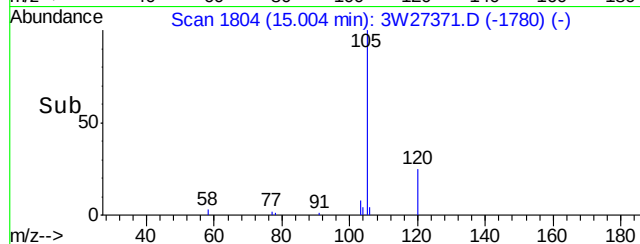
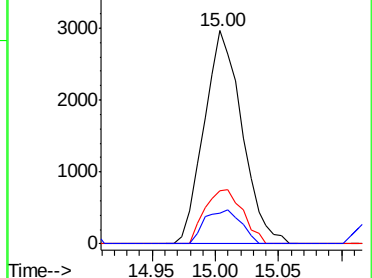


Abundance

Ion 105.00 (104.70 to 105.70): 3

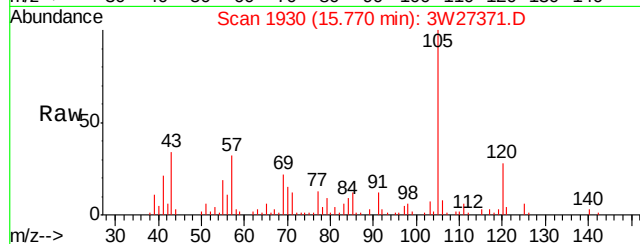
Ion 120.00 (119.70 to 120.70): 3

Ion 77.00 (76.70 to 77.70): 3W2



#90
4-ETHYLTOLUENE
Concen: 0.76 PPBV m
RT: 15.77 min Scan# 1930
Delta R.T. -0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
105	100		
120	87.2	9.3	49.3#
119	6.9	0.0	22.4

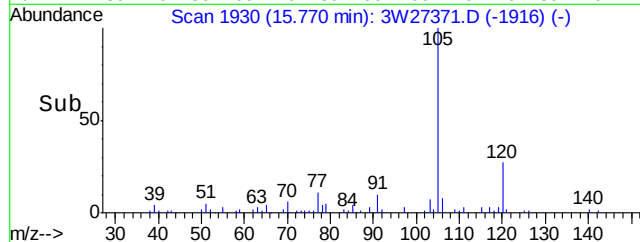
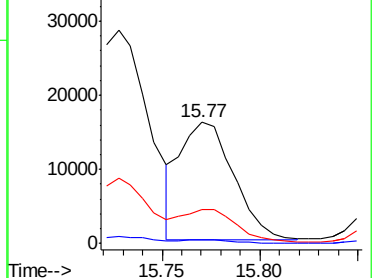


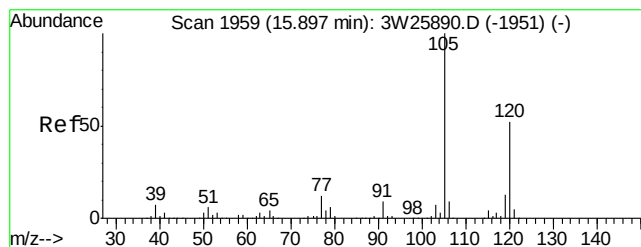
Abundance

Ion 105.00 (104.70 to 105.70): 3

Ion 120.00 (119.70 to 120.70): 3

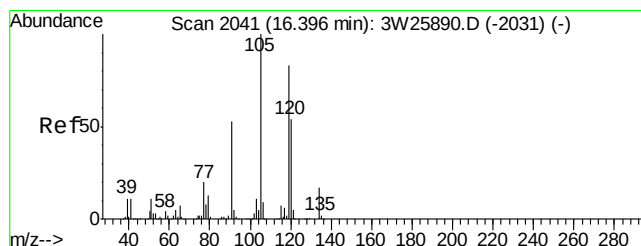
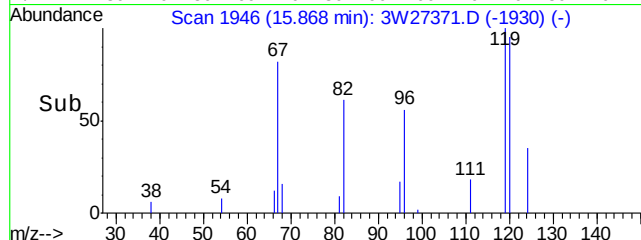
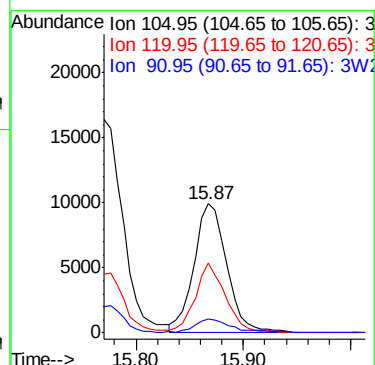
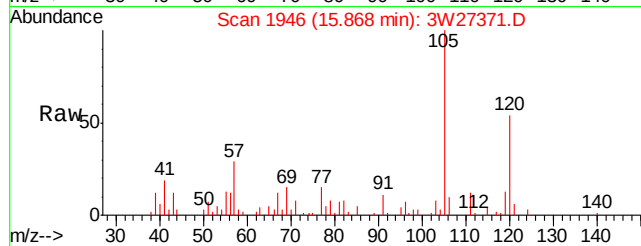
Ion 119.00 (118.70 to 119.70): 3





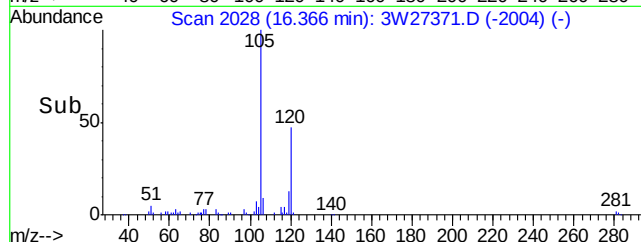
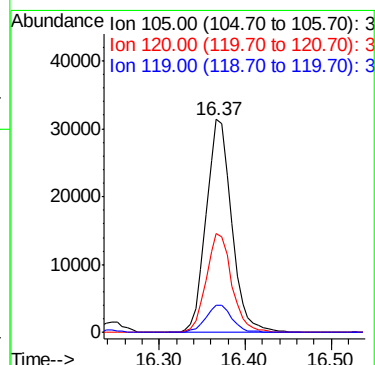
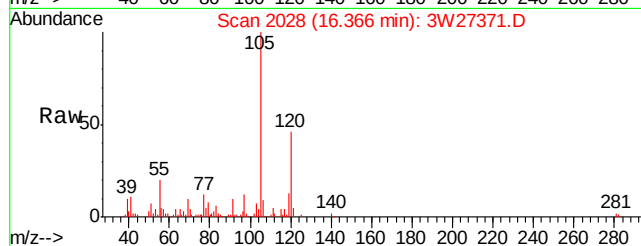
#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.65 PPBV
RT: 15.87 min Scan# 1946
Delta R.T. -0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

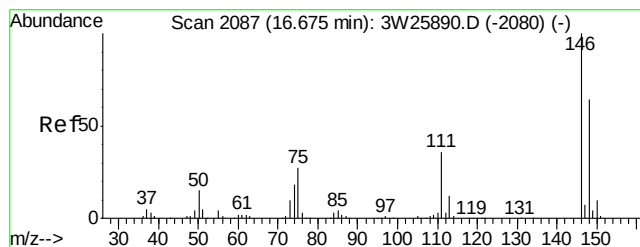
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	29.6	69.6
91	12.5	0.0	29.8



#94
1,2,4-TRIMETHYLBENZENE
Concen: 2.26 PPBV
RT: 16.37 min Scan# 2028
Delta R.T. -0.01 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

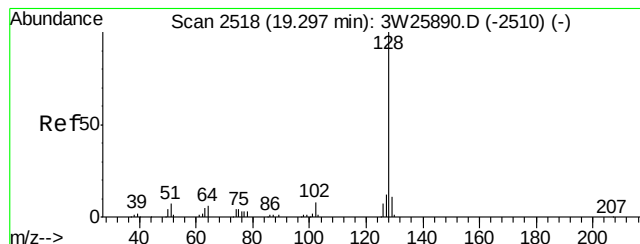
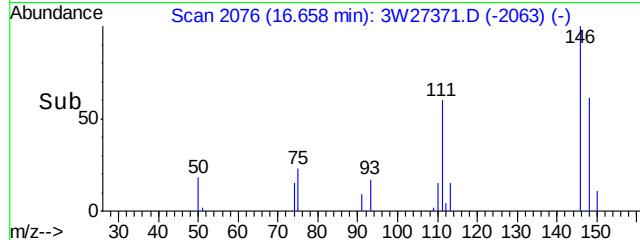
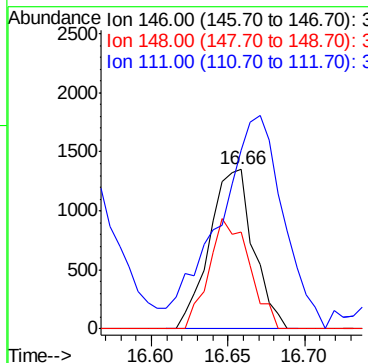
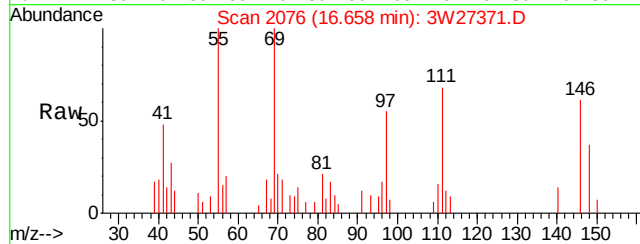
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	36.7	76.7
119	13.2	95.0	135.0#





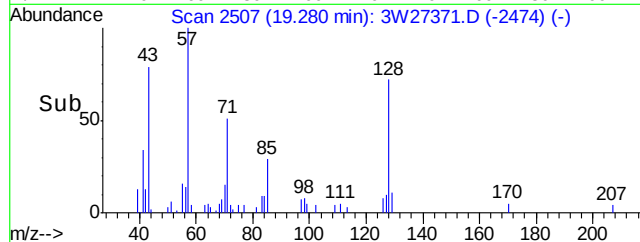
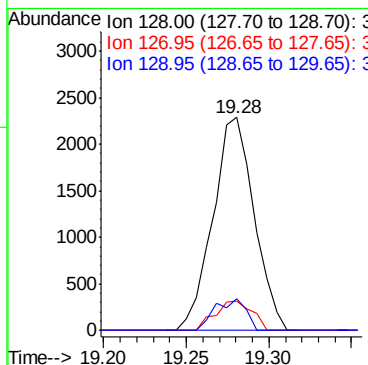
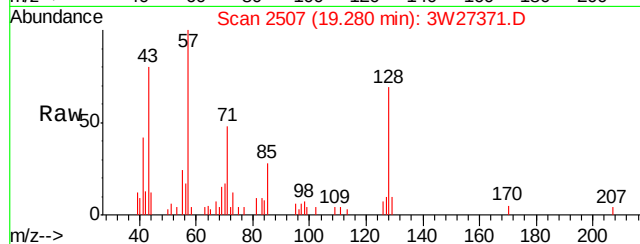
#97
p-DICHLOROBENZENE
Concen: 0.16 PPBV
RT: 16.66 min Scan# 2076
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
146	100		
148	0.0	43.9	83.9#
111	196.2	18.1	58.1#



#106
NAPHTHALENE
Concen: 0.74 PPBV
RT: 19.28 min Scan# 2507
Delta R.T. -0.00 min
Lab File: 3W27371.D
Acq: 5 Apr 2012 3:58 am

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	33.2
129	11.2	0.0	30.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27372.D Vial: 10
 Acq On : 5 Apr 2012 4:40 am Operator: yunxiac
 Sample : JB2710-6 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:36 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.31	128	94225	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	8.99	114	422462	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	193439	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	193439	10.00	PPBV	0.00

System Monitoring Compounds

83) 4-BROMOFLUOROBENZENE 14.88 95 206845 9.50 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 95.00%

Target Compounds

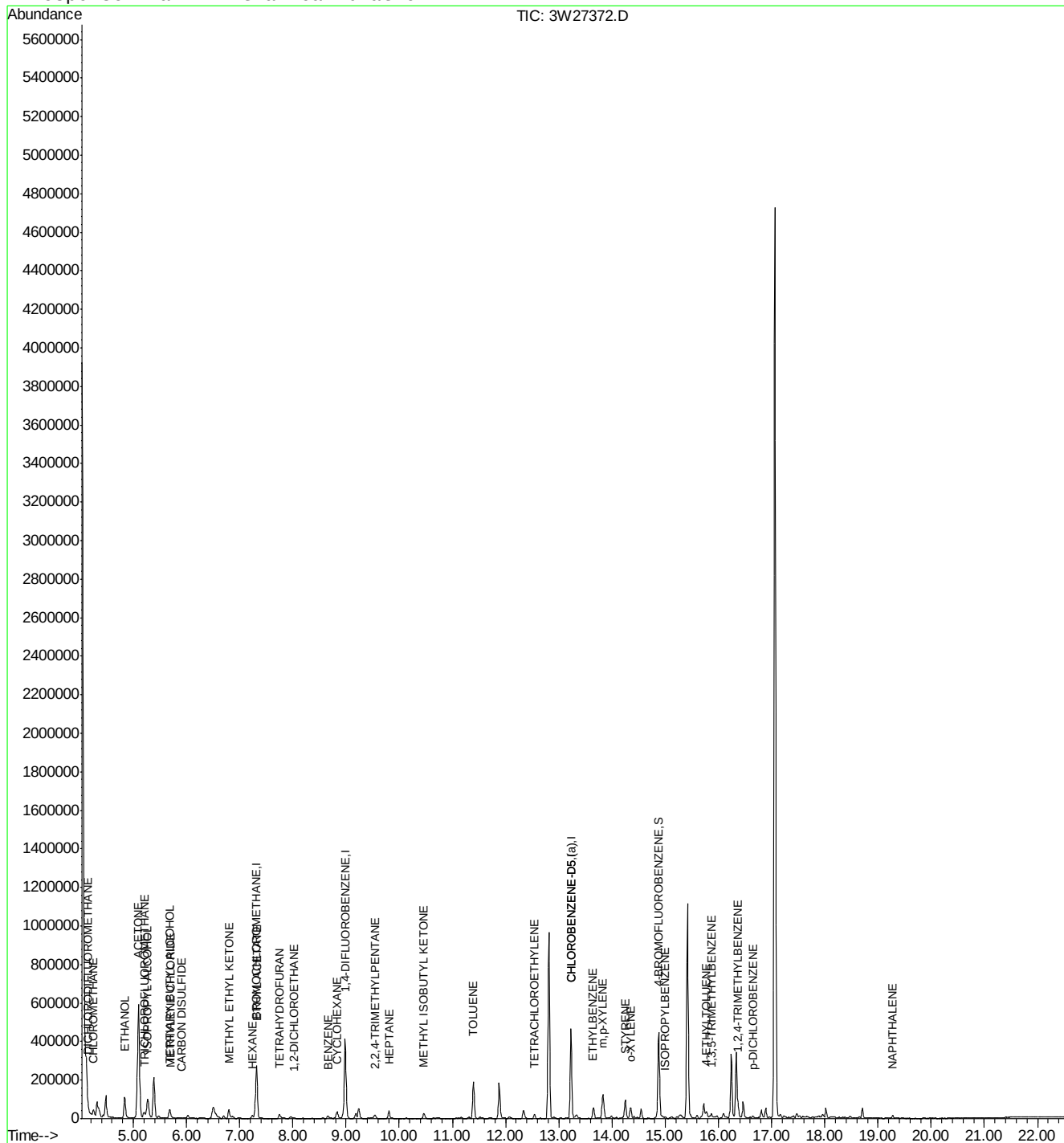
						Qvalue
5) DICHLORODIFLUOROMETHANE	4.15	85	15099	0.44	PPBV	98
8) CHLOROMETHANE	4.25	50	10124	0.64	PPBV	94
18) TRICHLOROFLUOROMETHANE	5.20	101	32451	1.03	PPBV	99
19) ISOPROPYL ALCOHOL	5.28	45	130540	5.00	PPBV	98
20) ACETONE	5.11	58	218156	31.31	PPBV #	81
25) CARBON DISULFIDE	5.90	76	5516	0.16	PPBV	78
26) ETHANOL	4.84	45	147277	20.73	PPBV	98
29) METHYLENE CHLORIDE	5.71	84	5046	0.38	PPBV	92
33) TERTIARY BUTYL ALCOHOL	5.67	59	11636	0.40	PPBV #	1
35) TETRAHYDROFURAN	7.75	72	7090	1.13	PPBV	99
36) HEXANE	7.24	57	10103	0.43	PPBV #	81
39) METHYL ETHYL KETONE	6.80	72	17029	2.79	PPBV #	88
42) ETHYL ACETATE	7.33	61	3223	0.80	PPBV #	93
48) 1,2-DICHLOROETHANE	8.02	62	3518	0.22	PPBV	97
50) BENZENE	8.66	78	12129	0.28	PPBV	99
51) CYCLOHEXANE	8.84	84	19292	0.98	PPBV	88
58) 2,2,4-TRIMETHYLPENTANE	9.55	57	16769	0.24	PPBV #	59
60) HEPTANE	9.81	43	23928	0.86	PPBV	93
63) METHYL ISOBUTYL KETONE	10.47	58	3053	0.29	PPBV	89
65) TOLUENE	11.40	92	100683	3.64	PPBV	98
71) TETRACHLOROETHYLENE	12.54	164	6090	0.43	PPBV	97
77) ETHYLBENZENE	13.65	91	48148	1.01	PPBV	99
78) m,p-XYLENE	13.83	106	54165	3.03	PPBV	97
79) o-XYLENE	14.35	106	18339	1.07	PPBV	99
80) STYRENE	14.25	104	64588	2.67	PPBV	97
86) ISOPROPYLBENZENE	15.00	105	5172	0.12	PPBV	99
90) 4-ETHYLTOLUENE	15.77	105	19397m	0.51	PPBV	
91) 1,3,5-TRIMETHYLBENZENE	15.87	105	14136	0.45	PPBV	99
94) 1,2,4-TRIMETHYLBENZENE	16.37	105	39770	1.45	PPBV #	24
97) p-DICHLOROBENZENE	16.65	146	5267	0.32	PPBV	93
106) NAPHTHALENE	19.28	128	3259	0.64	PPBV	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27372.D M3W1065.M Thu Apr 05 10:10:59 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27372.D Vial: 10
Acq On : 5 Apr 2012 4:40 am Operator: yunxiac
Sample : JB2710-6 Inst : MS3W
Misc : MS27608,V3W1072,400,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 10:07 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

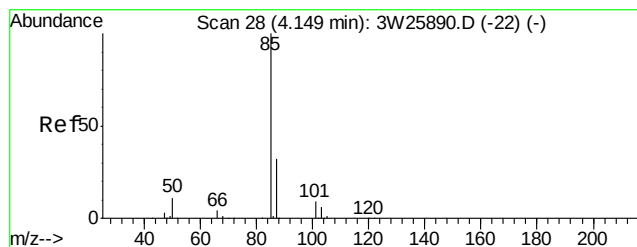


3W27372.D M3W1065.M

Thu Apr 05 10:11:00 2012

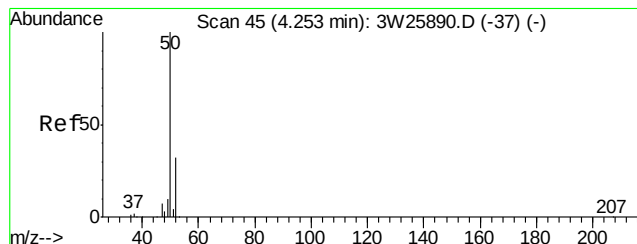
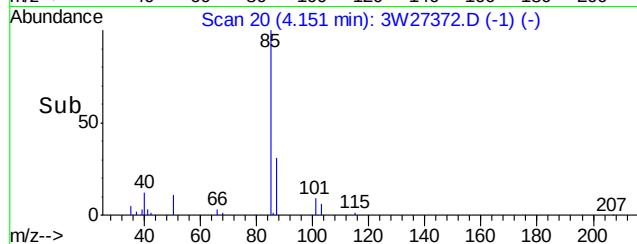
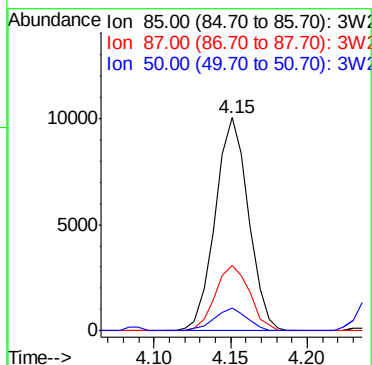
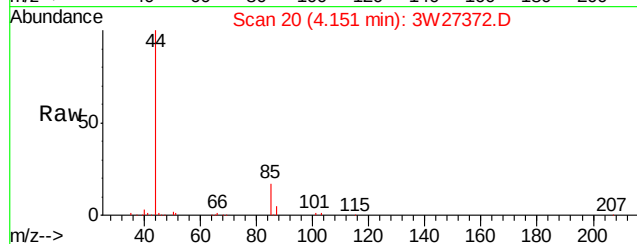
MSW

Page 2



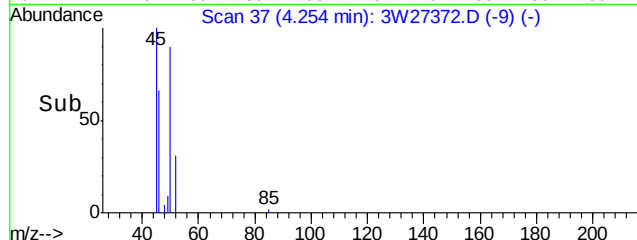
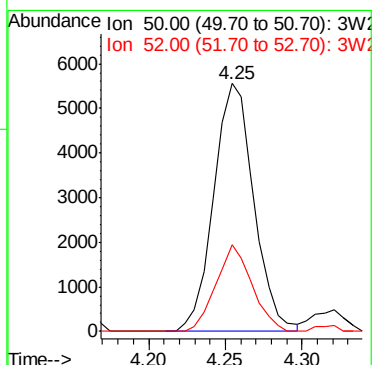
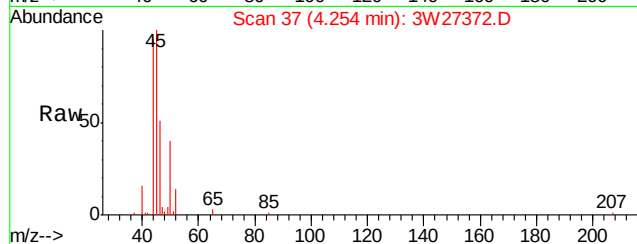
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.44 PPBV
 RT: 4.15 min Scan# 20
 Delta R.T. -0.01 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

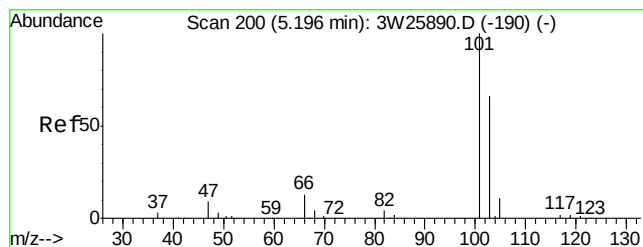
Tgt Ion:	85	Resp:	15099
Ion Ratio	Lower	Upper	
85	100		
87	31.6	12.4	52.4
50	10.6	0.0	31.8



#8
 CHLOROMETHANE
 Concen: 0.64 PPBV
 RT: 4.25 min Scan# 37
 Delta R.T. -0.01 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

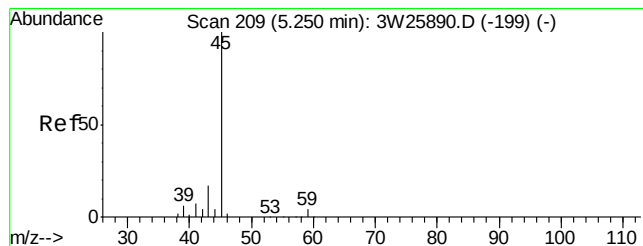
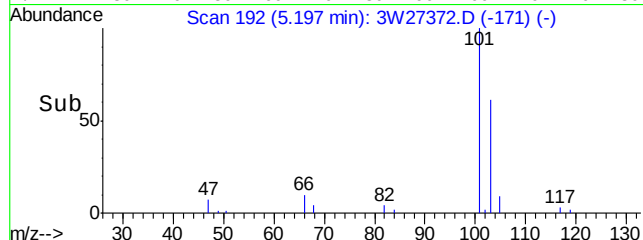
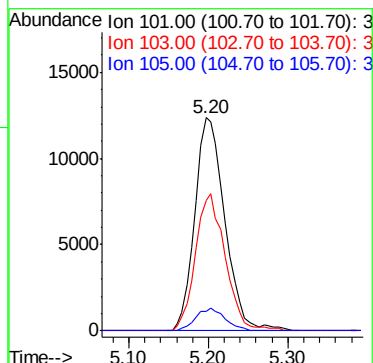
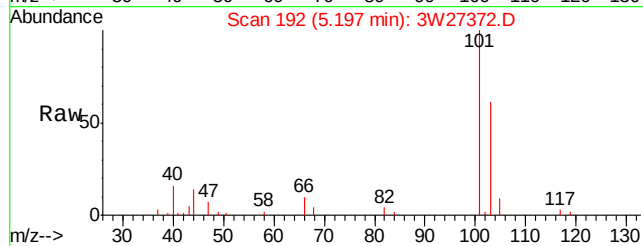
Tgt Ion:	50	Resp:	10124
Ion Ratio	Lower	Upper	
50	100		
52	35.5	12.4	52.4





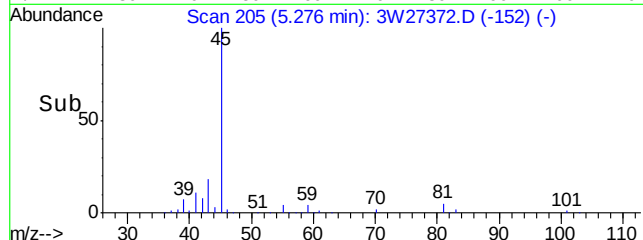
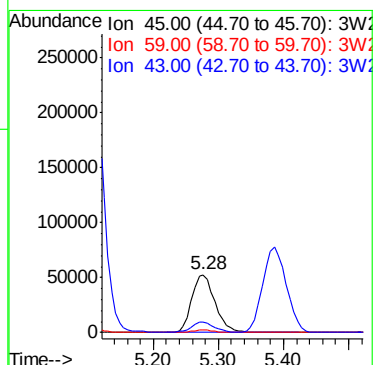
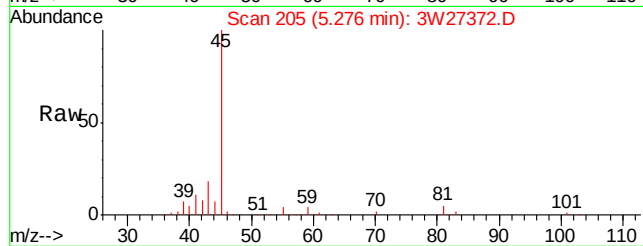
#18
 TRICHLOROFLUOROMETHANE
 Concen: 1.03 PPBV
 RT: 5.20 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

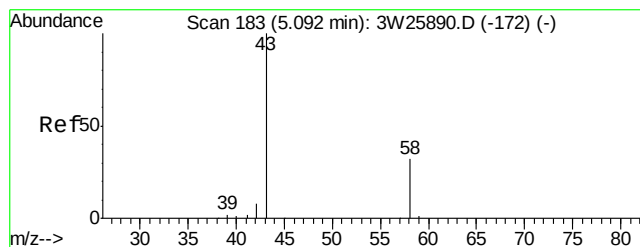
Tgt Ion:	101	Resp:	32451
Ion Ratio	Lower	Upper	
101	100		
103	64.0	45.0	85.0
105	10.3	0.0	30.7



#19
 ISOPROPYL ALCOHOL
 Concen: 5.00 PPBV
 RT: 5.28 min Scan# 205
 Delta R.T. 0.03 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

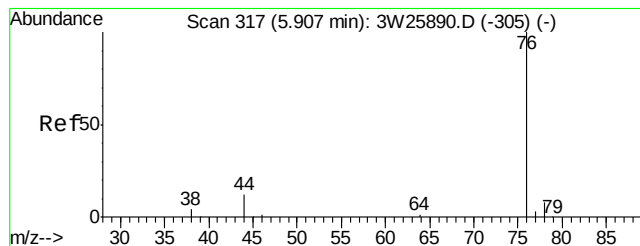
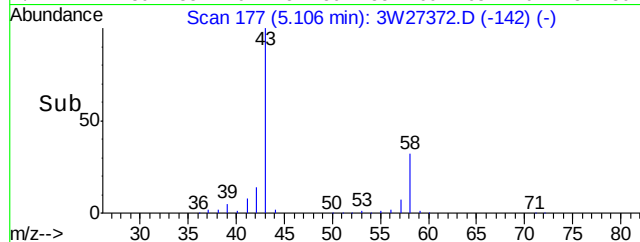
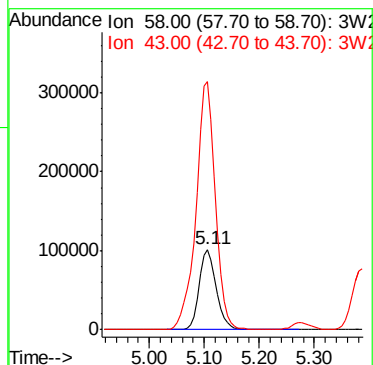
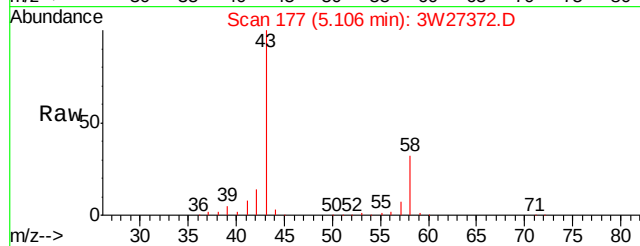
Tgt Ion:	45	Resp:	130540
Ion Ratio	Lower	Upper	
45	100		
59	3.9	0.0	23.9
43	18.3	0.0	37.3





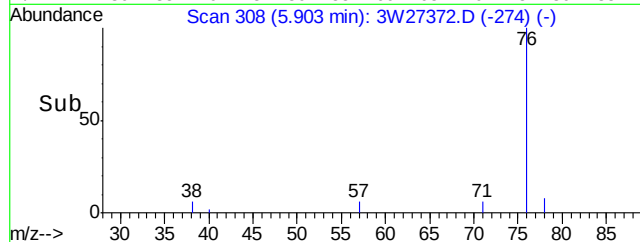
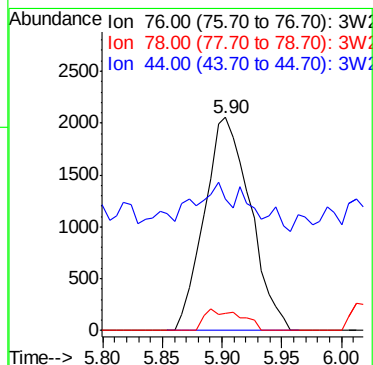
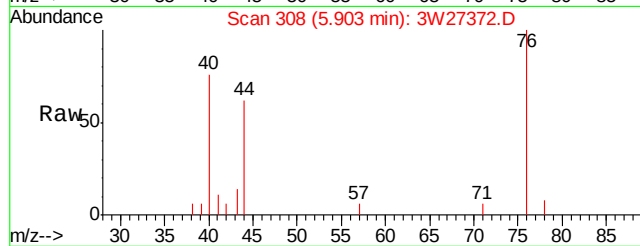
#20
ACETONE
Concen: 31.31 PPBV
RT: 5.11 min Scan# 177
Delta R.T. 0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

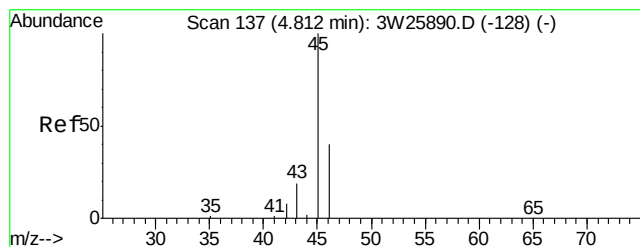
Tgt Ion	Ratio	Lower	Upper
58	100		
43	348.0	289.4	329.4#



#25
CARBON DISULFIDE
Concen: 0.16 PPBV
RT: 5.90 min Scan# 308
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

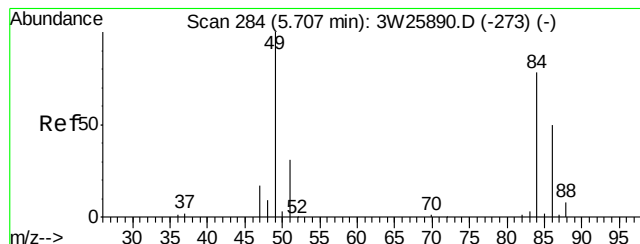
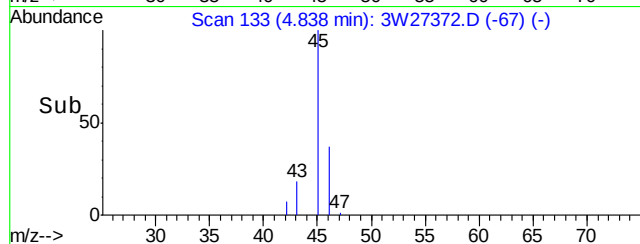
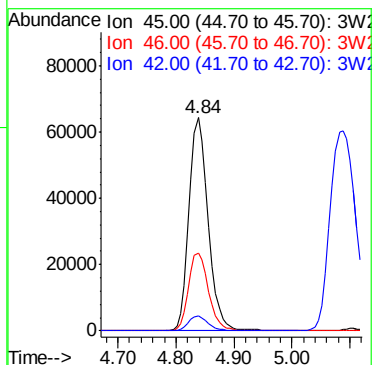
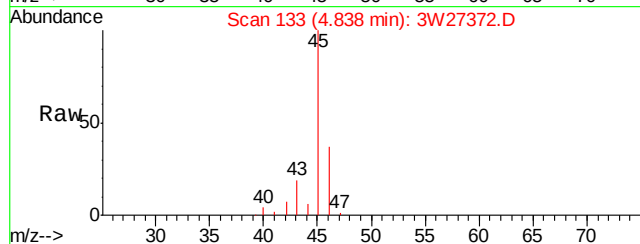
Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.8	0.0	29.3
44	26.8	0.0	32.8





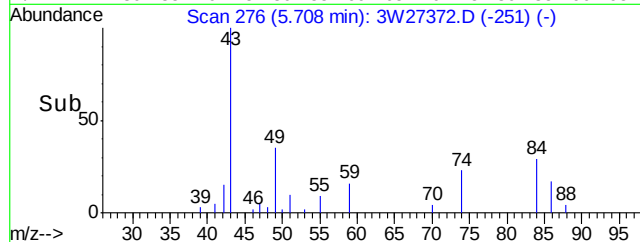
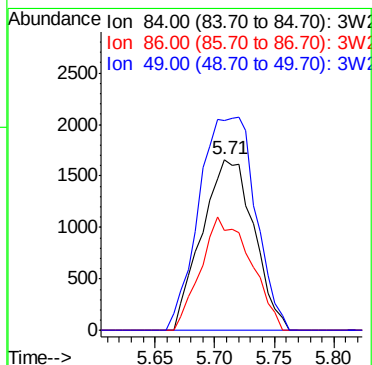
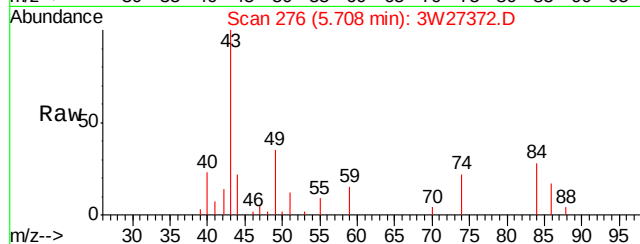
#26
ETHANOL
Concen: 20.73 PPBV
RT: 4.84 min Scan# 133
Delta R.T. 0.02 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

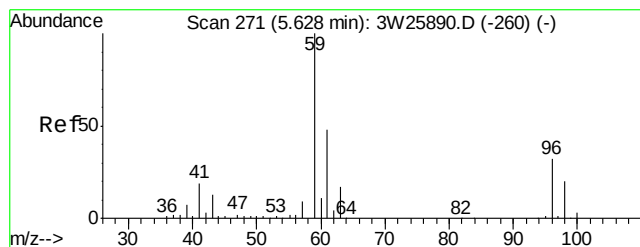
Tgt Ion:	45	Resp:	147277
Ion	Ratio	Lower	Upper
45	100		
46	37.8	17.5	57.5
42	7.2	0.0	29.8



#29
METHYLENE CHLORIDE
Concen: 0.38 PPBV
RT: 5.71 min Scan# 276
Delta R.T. 0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

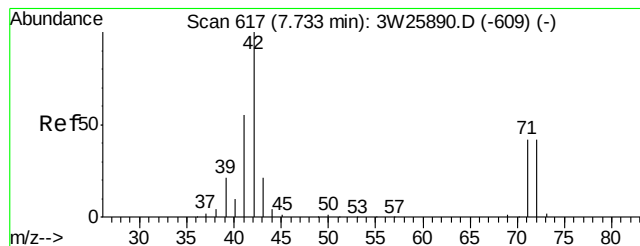
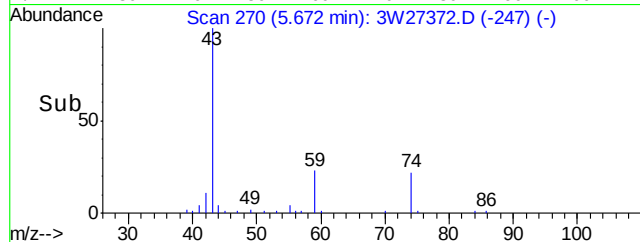
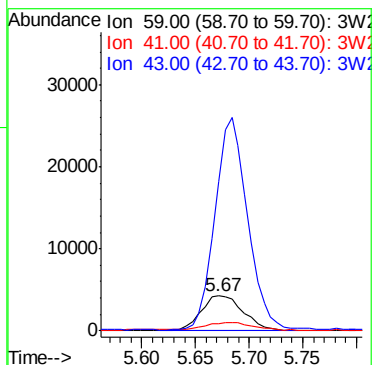
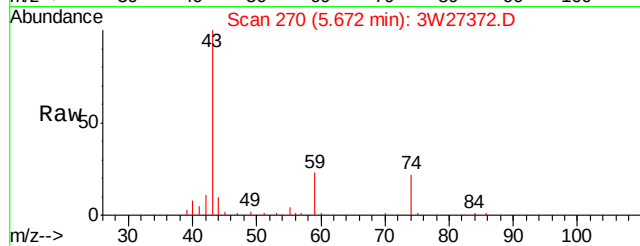
Tgt Ion:	84	Resp:	5046
Ion	Ratio	Lower	Upper
84	100		
86	63.7	43.9	83.9
49	135.6	0.0	350.8





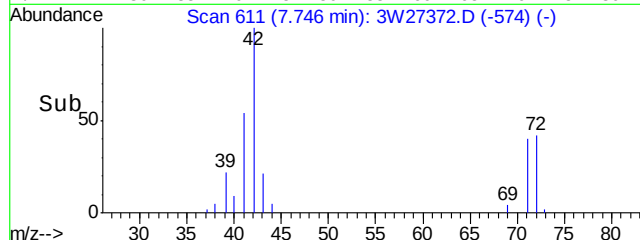
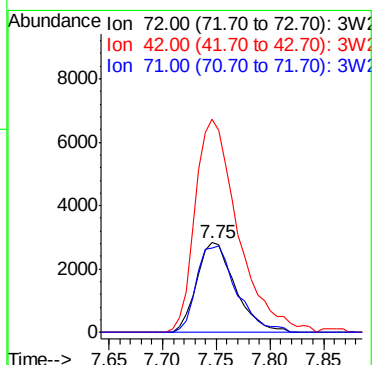
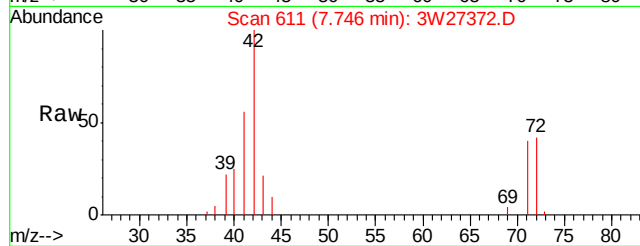
#33
TERTIARY BUTYL ALCOHOL
Concen: 0.40 PPBV
RT: 5.67 min Scan# 270
Delta R.T. 0.04 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

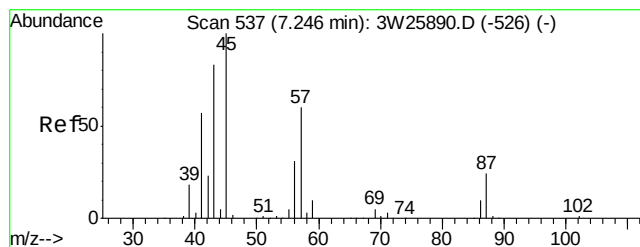
Tgt Ion	Ratio	Lower	Upper
59	100		
41	28.3	1.1	41.1
43	481.4	0.0	33.4#



#35
TETRAHYDROFURAN
Concen: 1.13 PPBV
RT: 7.75 min Scan# 611
Delta R.T. 0.02 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

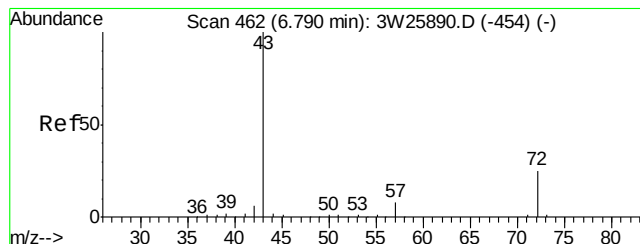
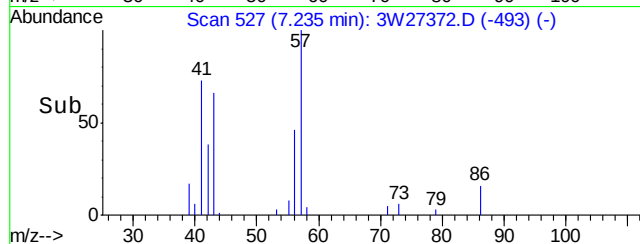
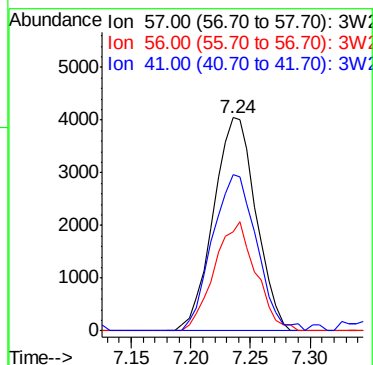
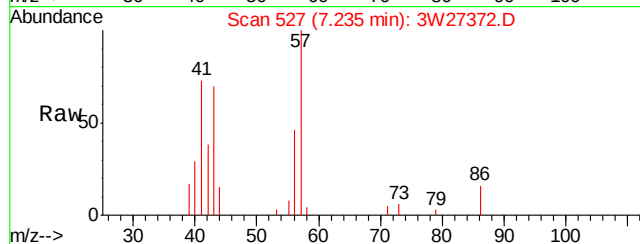
Tgt Ion	Ratio	Lower	Upper
72	100		
42	264.0	242.5	282.5
71	99.4	76.8	116.8





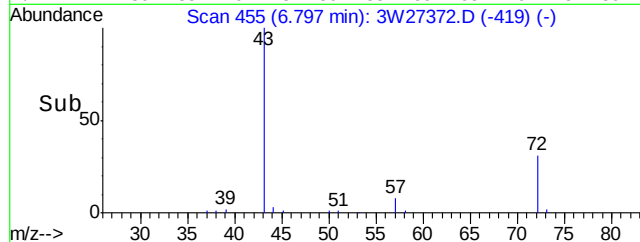
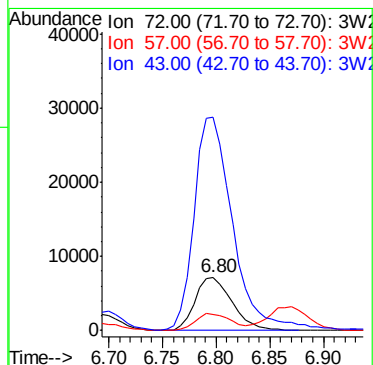
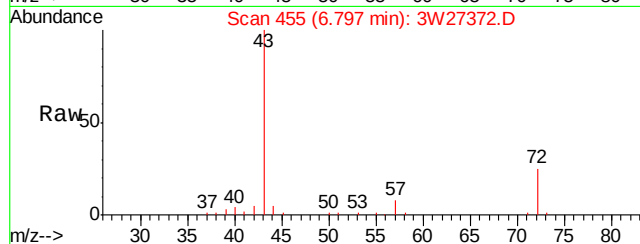
#36
 HEXANE
 Concen: 0.43 PPBV
 RT: 7.24 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

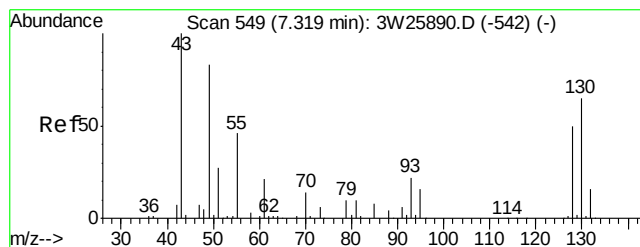
Tgt Ion	Ratio	Lower	Upper
57	100		
56	49.9	31.3	71.3
41	76.2	83.4	123.4#



#39
 METHYL ETHYL KETONE
 Concen: 2.79 PPBV
 RT: 6.80 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

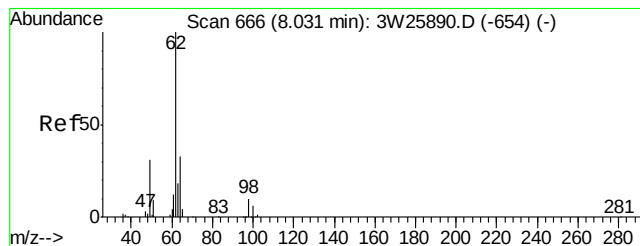
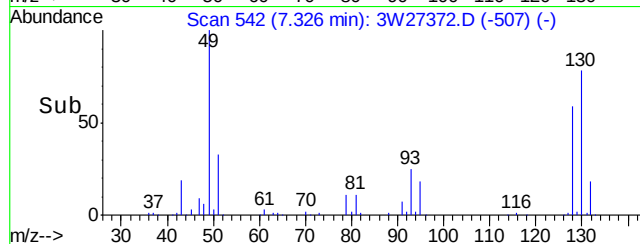
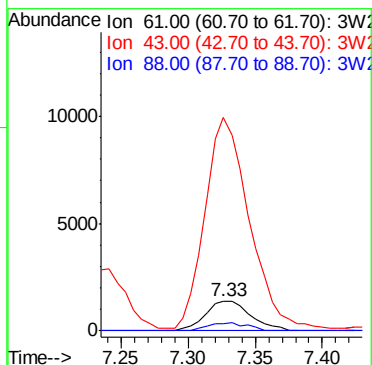
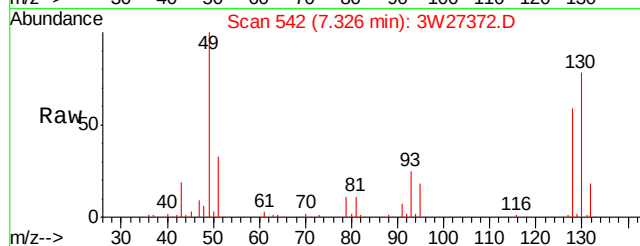
Tgt Ion	Ratio	Lower	Upper
72	100		
57	31.1	11.7	51.7
43	399.6	411.3	451.3#





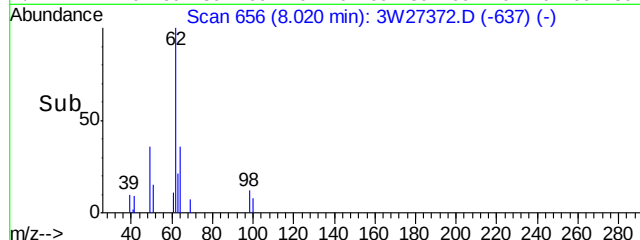
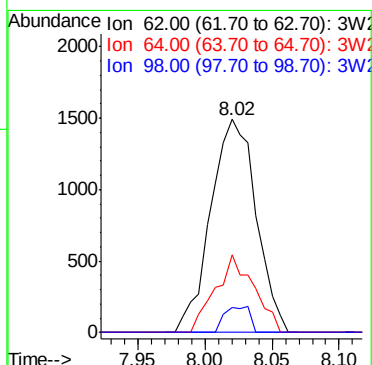
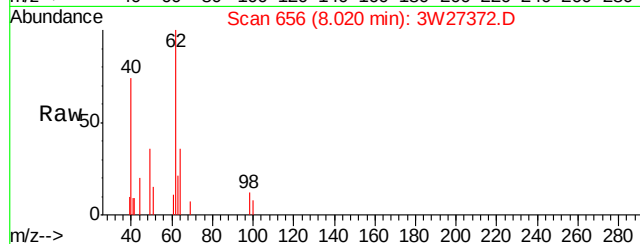
#42
ETHYL ACETATE
Concen: 0.80 PPBV
RT: 7.33 min Scan# 542
Delta R.T. 0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

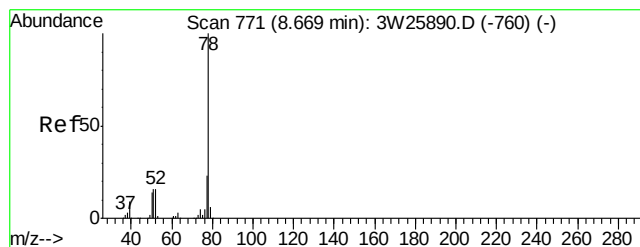
Tgt Ion	Ratio	Lower	Upper
61	100		
43	726.8	683.1	723.1#
88	23.8	4.0	44.0



#48
1,2-DICHLOROETHANE
Concen: 0.22 PPBV
RT: 8.02 min Scan# 656
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

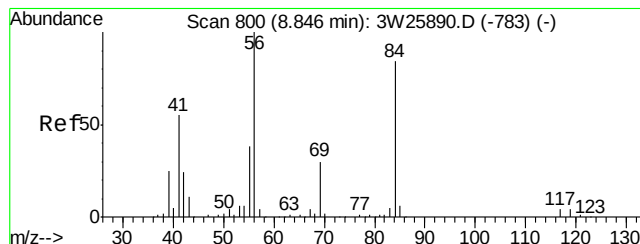
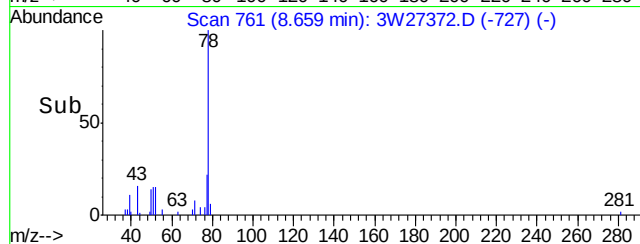
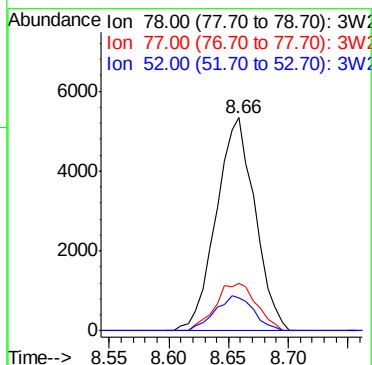
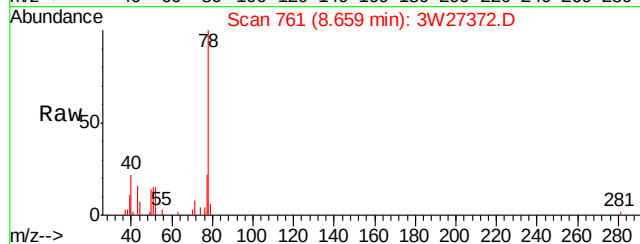
Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.8	12.3	52.3
98	6.8	0.0	29.0





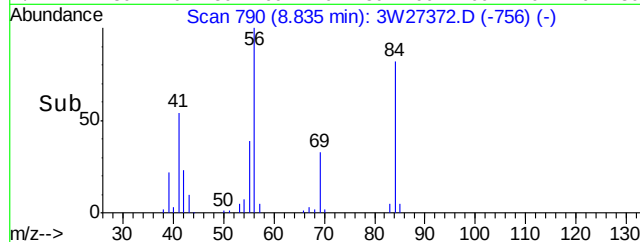
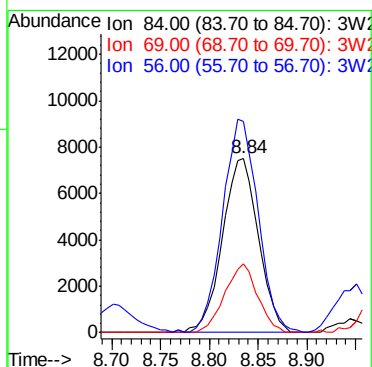
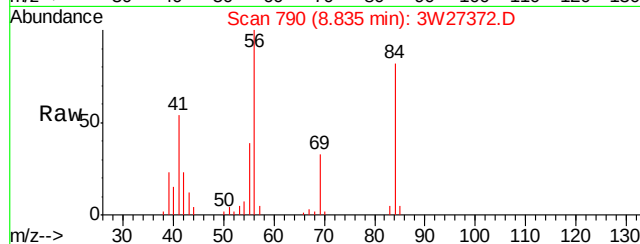
#50
BENZENE
Concen: 0.28 PPBV
RT: 8.66 min Scan# 761
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

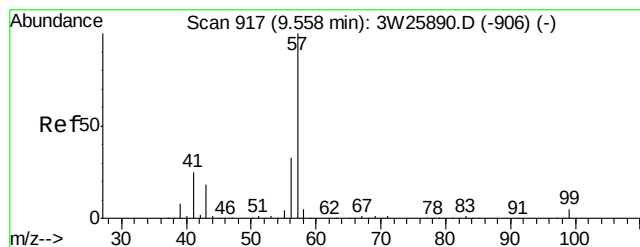
Tgt Ion:	78	Resp:	12129
Ion Ratio	Lower	Upper	
78	100		
77	23.5	3.2	43.2
52	16.4	0.0	36.9



#51
CYCLOHEXANE
Concen: 0.98 PPBV
RT: 8.84 min Scan# 790
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

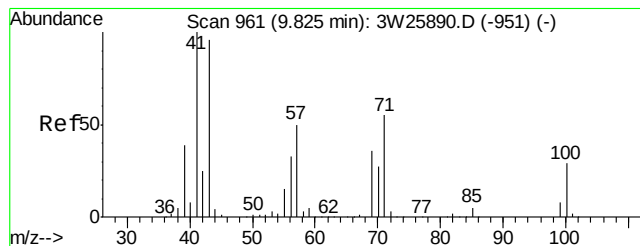
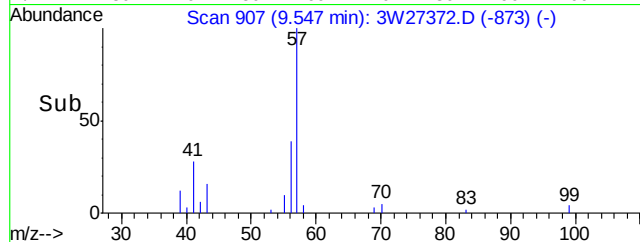
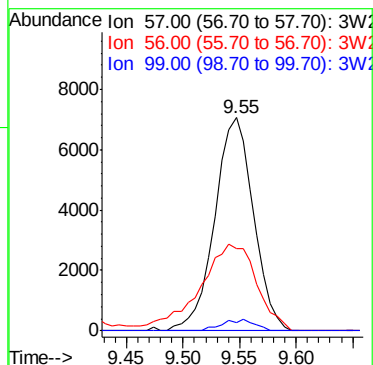
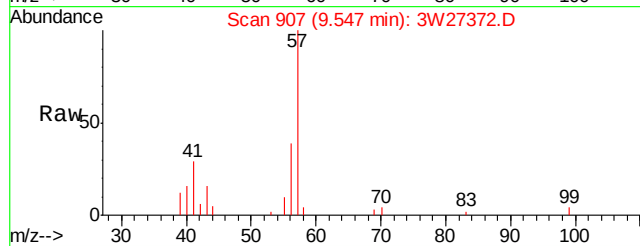
Tgt Ion:	84	Resp:	19292
Ion Ratio	Lower	Upper	
84	100		
69	36.1	12.0	52.0
56	120.8	86.6	126.6





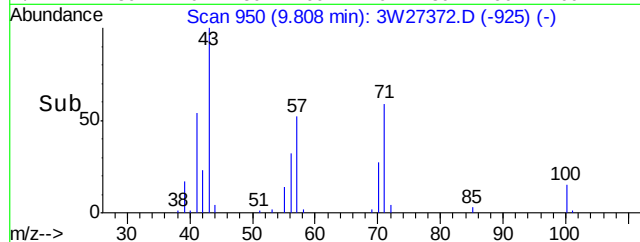
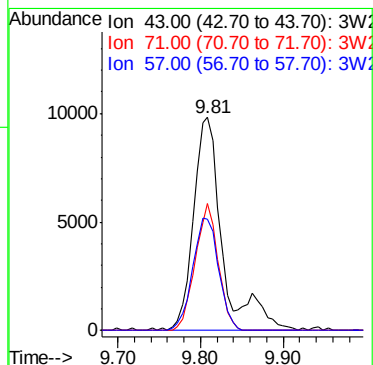
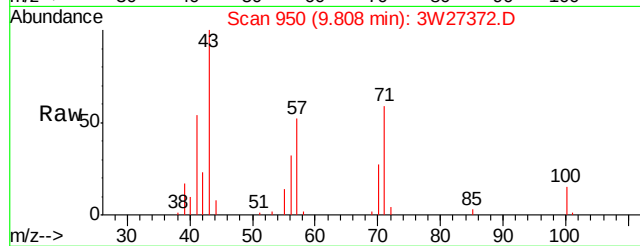
#58
2,2,4-TRIMETHYLPENTANE
Concen: 0.24 PPBV
RT: 9.55 min Scan# 907
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

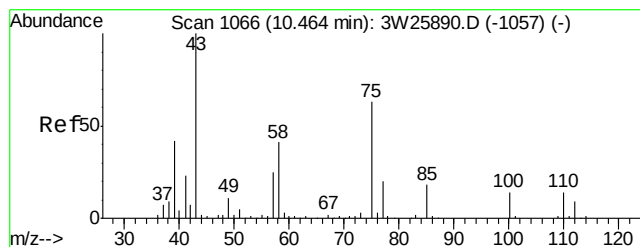
Tgt Ion:	57	Resp:	16769
Ion Ratio	Lower	Upper	
57	100		
56	60.0	13.4	53.4#
99	4.6	0.0	24.7



#60
HEPTANE
Concen: 0.86 PPBV
RT: 9.81 min Scan# 950
Delta R.T. 0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

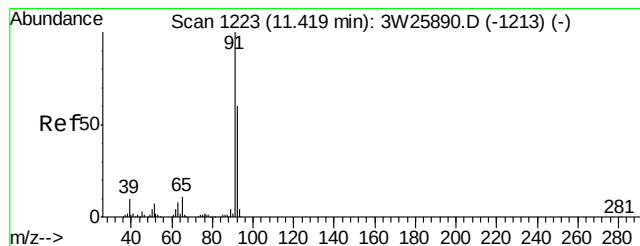
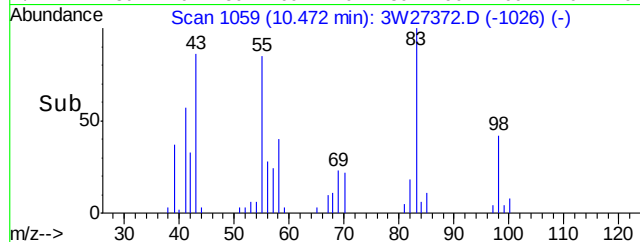
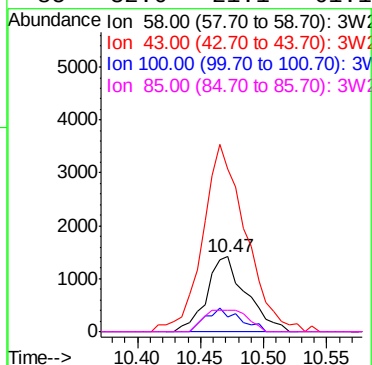
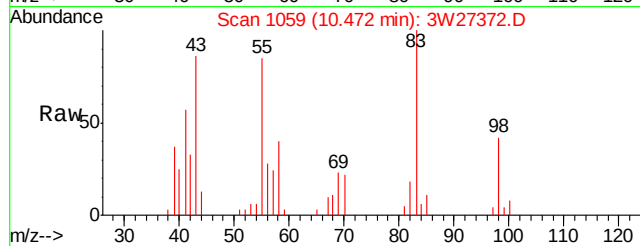
Tgt Ion:	43	Resp:	23928
Ion Ratio	Lower	Upper	
43	100		
71	47.1	32.5	72.5
57	47.1	31.1	71.1





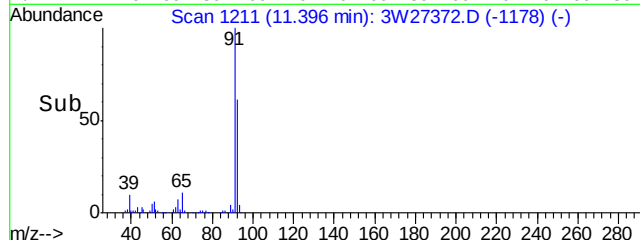
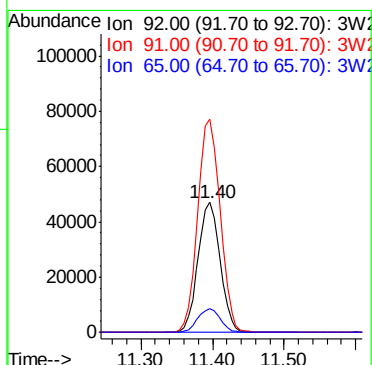
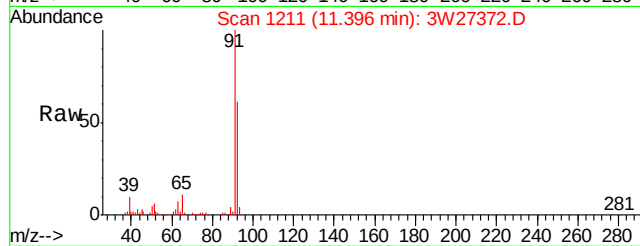
#63
METHYL ISOBUTYL KETONE
Concen: 0.29 PPBV
RT: 10.47 min Scan# 1059
Delta R.T. 0.02 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

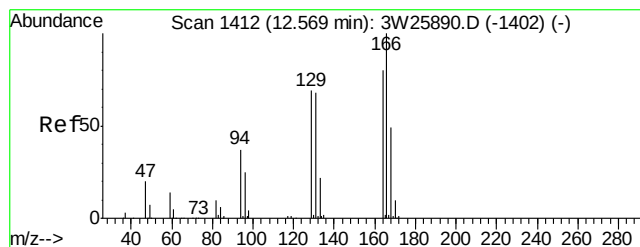
Tgt Ion:	58	Resp:	3053
Ion Ratio	Lower	Upper	
58	100		
43	274.9	236.5	276.5
100	26.7	11.0	51.0
85	32.0	21.1	61.1



#65
TOLUENE
Concen: 3.64 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

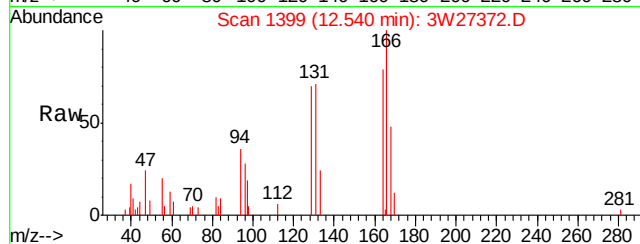
Tgt Ion:	92	Resp:	100683
Ion Ratio	Lower	Upper	
92	100		
91	167.1	148.5	188.5
65	18.8	2.8	42.8





#71
TETRACHLOROETHYLENE
Concen: 0.43 PPBV
RT: 12.54 min Scan# 1399
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.7	71.9	111.9
168	64.3	41.4	81.4
131	86.7	69.2	109.2



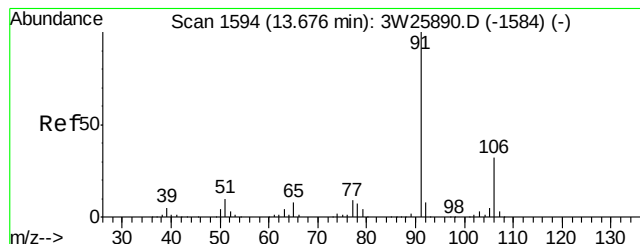
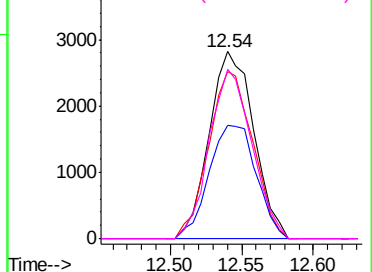
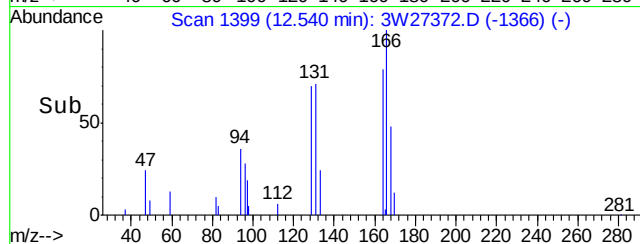
Abundance

Ion 163.75 (163.45 to 164.45): 3

Ion 128.80 (128.50 to 129.50): 3

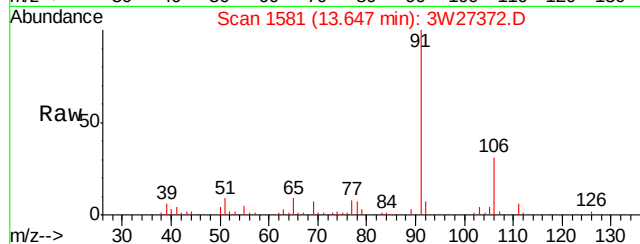
Ion 167.80 (167.50 to 168.50): 3

Ion 131.00 (130.70 to 131.70): 3



#77
ETHYLBENZENE
Concen: 1.01 PPBV
RT: 13.65 min Scan# 1581
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	11.0	51.0
77	8.2	0.0	28.5

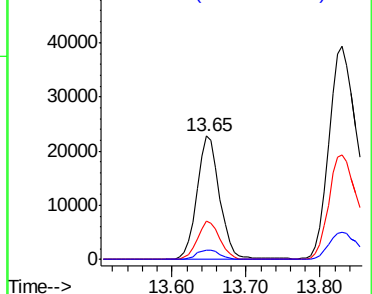
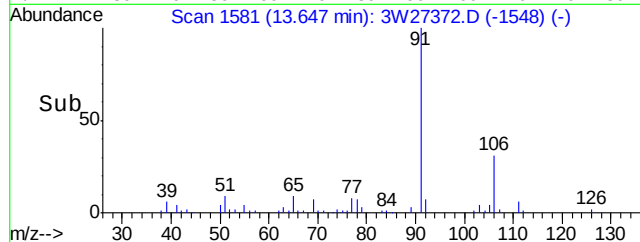


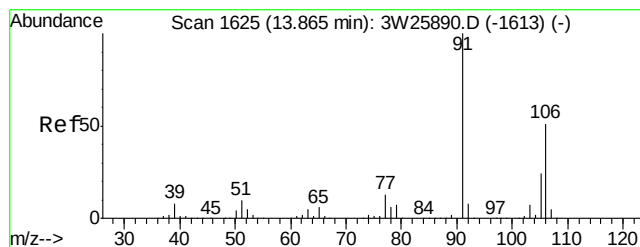
Abundance

Ion 91.00 (90.70 to 91.70): 3W2

Ion 106.00 (105.70 to 106.70): 3

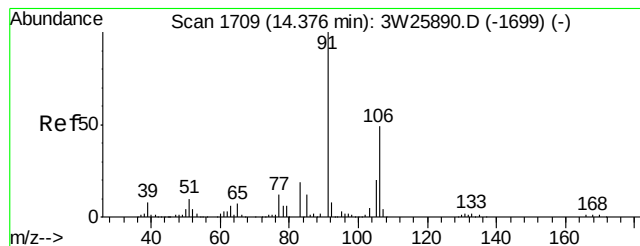
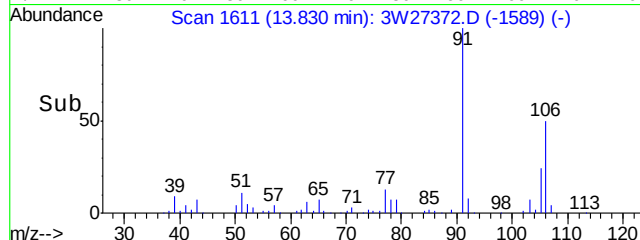
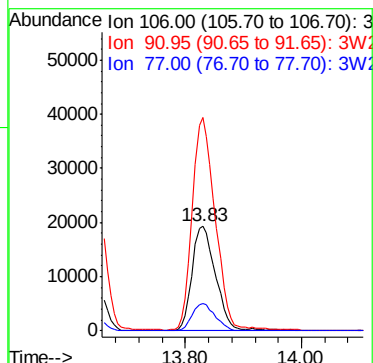
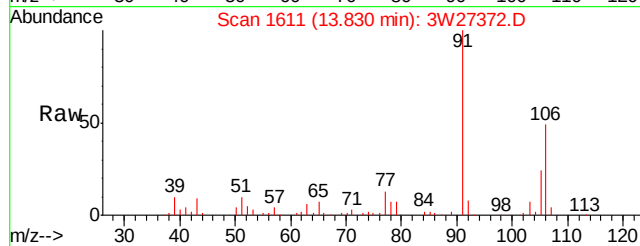
Ion 77.00 (76.70 to 77.70): 3W2





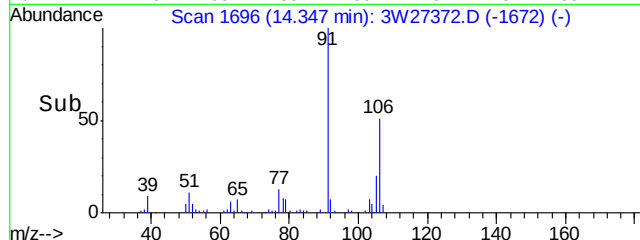
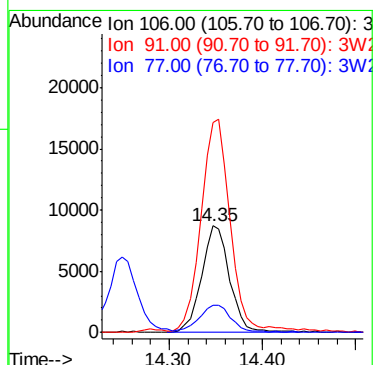
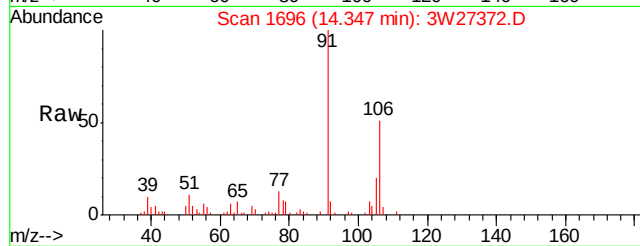
#78
m,p-XYLENE
Concen: 3.03 PPBV
RT: 13.83 min Scan# 1611
Delta R.T. -0.02 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

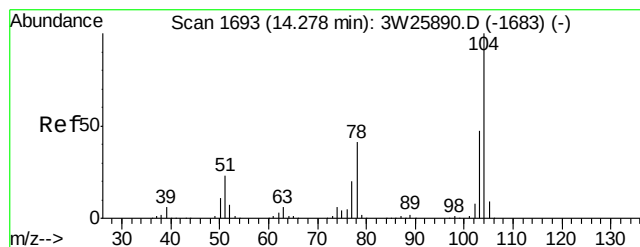
Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.9	177.2	217.2
77	26.2	6.3	46.3



#79
o-XYLENE
Concen: 1.07 PPBV
RT: 14.35 min Scan# 1696
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

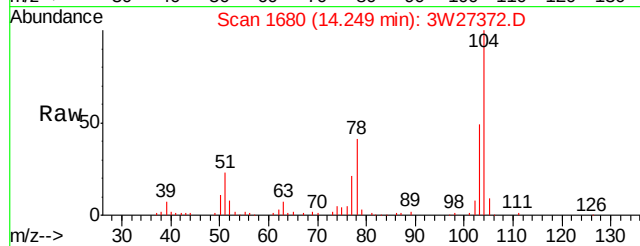
Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	192.3	232.3
77	29.7	6.3	46.3



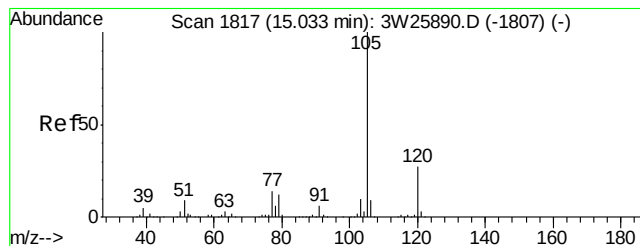
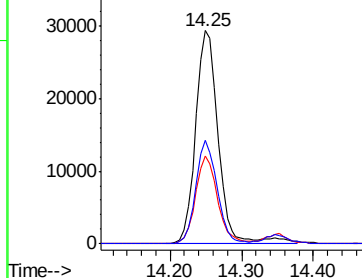
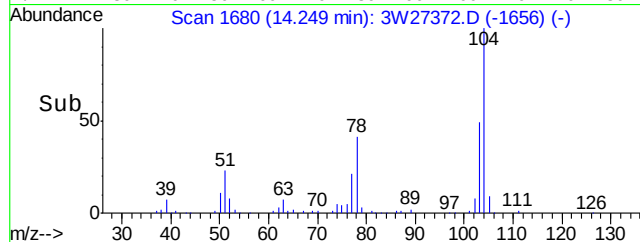


#80
 STYRENE
 Concen: 2.67 PPBV
 RT: 14.25 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

Tgt Ion:	104	Resp:	64588
Ion Ratio	Lower	Upper	
104	100		
78	40.1	22.1	62.1
103	45.6	27.0	67.0

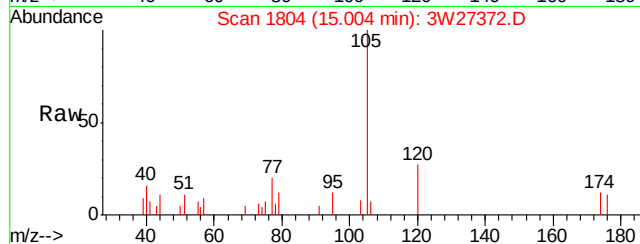


Abundance Ion 104.00 (103.70 to 104.70): 3
 Ion 78.00 (77.70 to 78.70): 3W2
 Ion 103.00 (102.70 to 103.70): 3

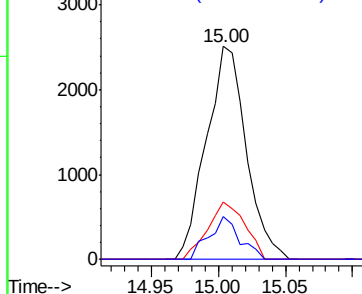
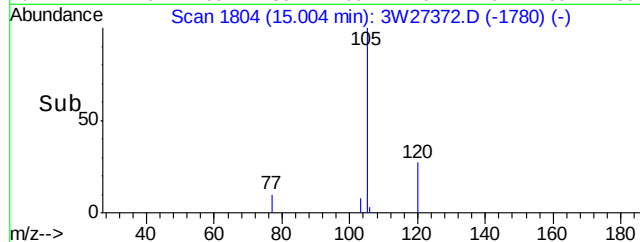


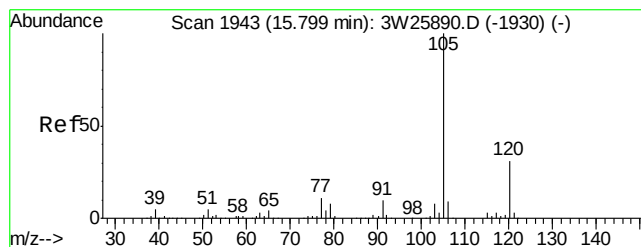
#86
 ISOPROPYLBENZENE
 Concen: 0.12 PPBV
 RT: 15.00 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: 3W27372.D
 Acq: 5 Apr 2012 4:40 am

Tgt Ion:	105	Resp:	5172
Ion Ratio	Lower	Upper	
105	100		
120	25.2	5.9	45.9
77	15.4	0.0	35.1



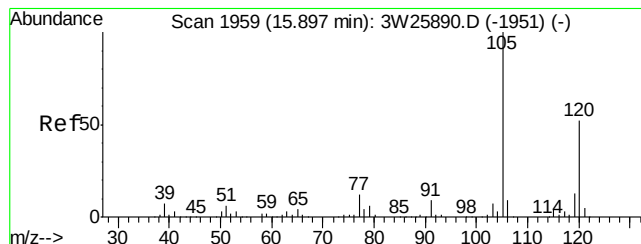
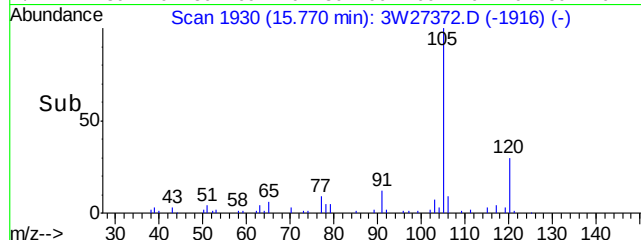
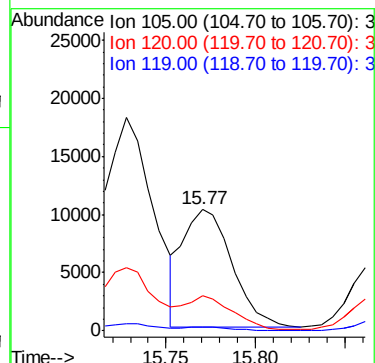
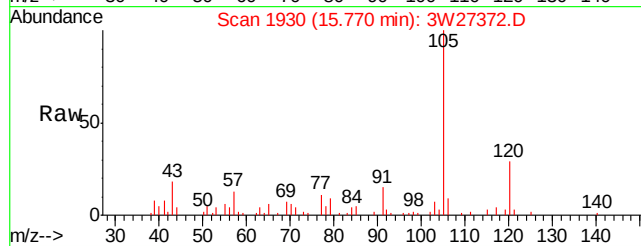
Abundance Ion 105.00 (104.70 to 105.70): 3
 Ion 120.00 (119.70 to 120.70): 3
 Ion 77.00 (76.70 to 77.70): 3W2





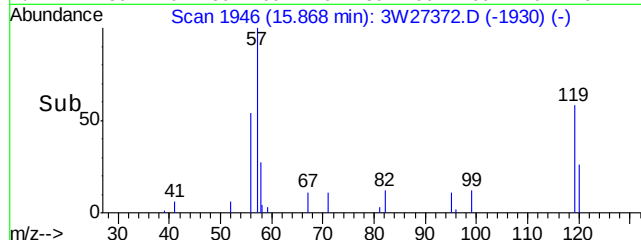
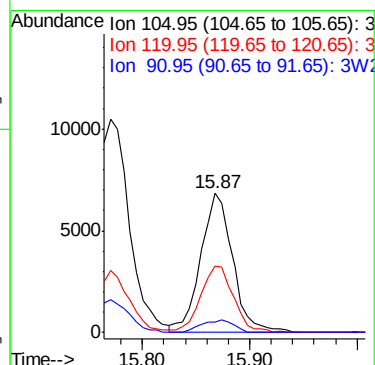
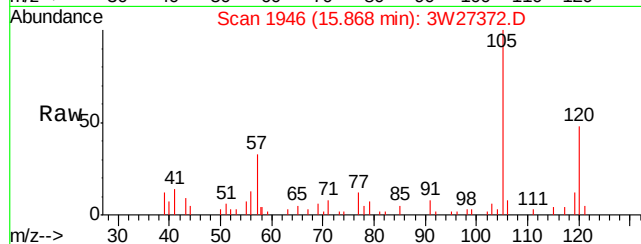
#90
4-ETHYLTOLUENE
Concen: 0.51 PPBV m
RT: 15.77 min Scan# 1930
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

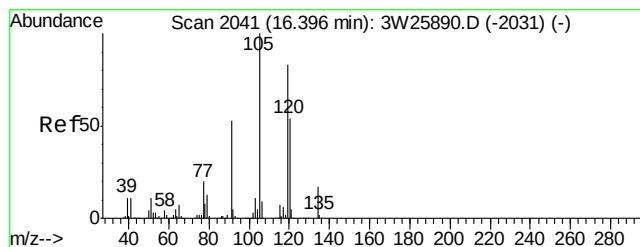
Tgt Ion	Ratio	Lower	Upper
105	100		
120	84.0	9.3	49.3#
119	10.0	0.0	22.4



#91
1,3,5-TRIMETHYLBENZENE
Concen: 0.45 PPBV
RT: 15.87 min Scan# 1946
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

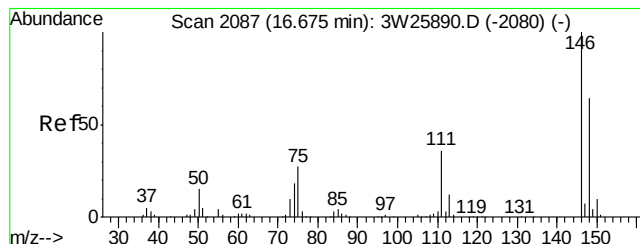
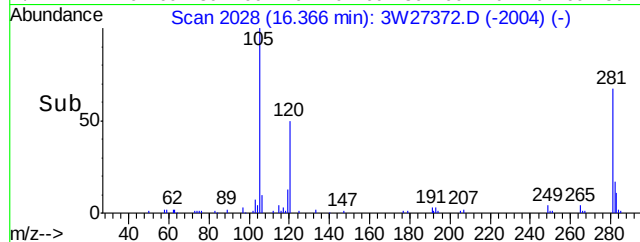
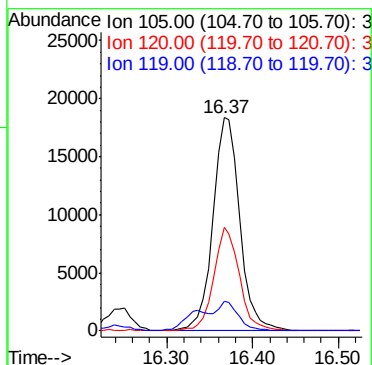
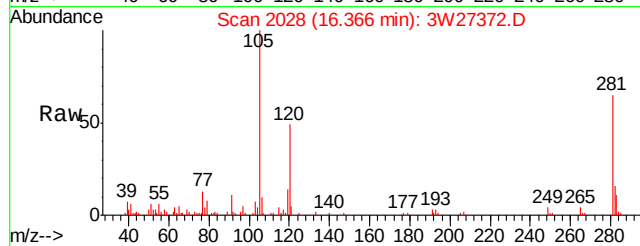
Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.1	29.6	69.6
91	9.1	0.0	29.8





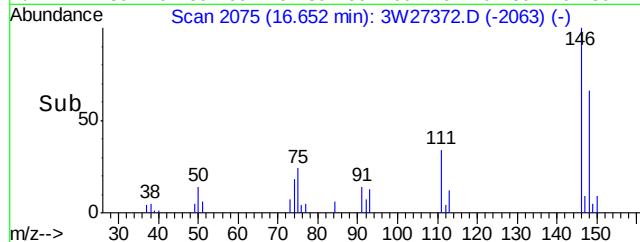
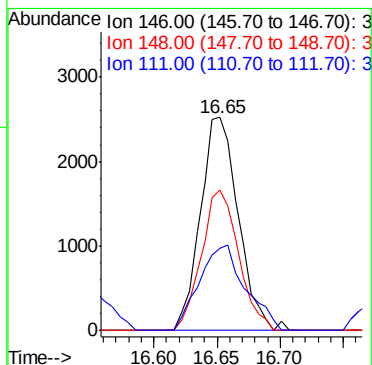
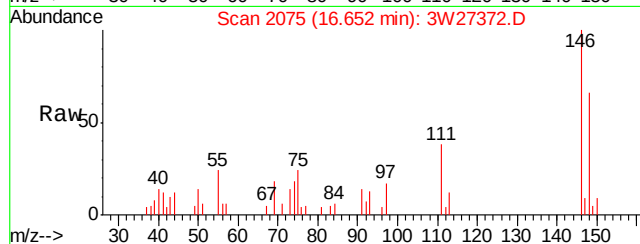
#94
1,2,4-TRIMETHYLBENZENE
Concen: 1.45 PPBV
RT: 16.37 min Scan# 2028
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

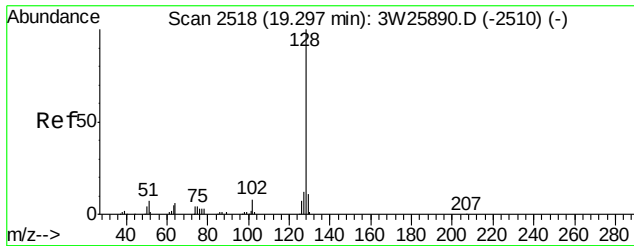
Tgt Ion:	105	Resp:	39770
Ion Ratio	Lower	Upper	
105	100		
120	46.3	36.7	76.7
119	0.0	95.0	135.0#



#97
p-DICHLOROBENZENE
Concen: 0.32 PPBV
RT: 16.65 min Scan# 2075
Delta R.T. -0.01 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

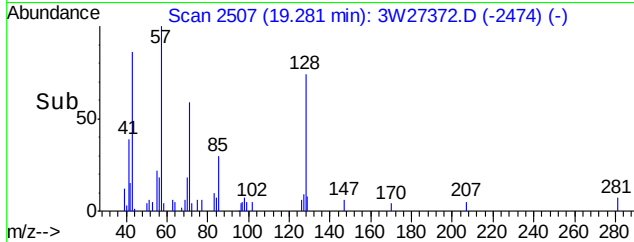
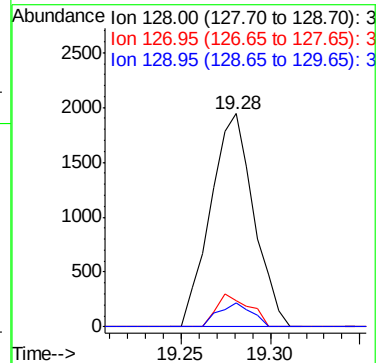
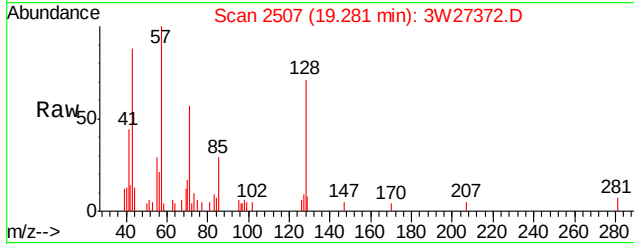
Tgt Ion:	146	Resp:	5267
Ion Ratio	Lower	Upper	
146	100		
148	64.7	43.9	83.9
111	48.4	18.1	58.1





#106
NAPHTHALENE
Concen: 0.64 PPBV
RT: 19.28 min Scan# 2507
Delta R.T. -0.00 min
Lab File: 3W27372.D
Acq: 5 Apr 2012 4:40 am

Tgt Ion:	128	Resp:	3259
Ion	Ratio	Lower	Upper
128	100		
127	11.5	0.0	33.2
129	8.5	0.0	30.9



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27373.D Vial: 11
 Acq On : 5 Apr 2012 5:22 am Operator: yunxiac
 Sample : JB2710-7 Inst : MS3W
 Misc : MS27608,V3W1072,400,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Apr 05 08:39:38 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
 Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
 Last Update : Wed Mar 28 09:51:26 2012
 Response via : Initial Calibration
 DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.31	128	91953	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	8.99	114	418953	10.00	PPBV	0.00
68) CHLOROBENZENE-D5	13.23	82	187713	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	187494	10.00	PPBV	0.00

System Monitoring Compounds
 83) 4-BROMOFLUOROBENZENE 14.88 95 182433 8.63 PPBV 0.00
 Spiked Amount 10.000 Range 65 - 128 Recovery = 86.30%

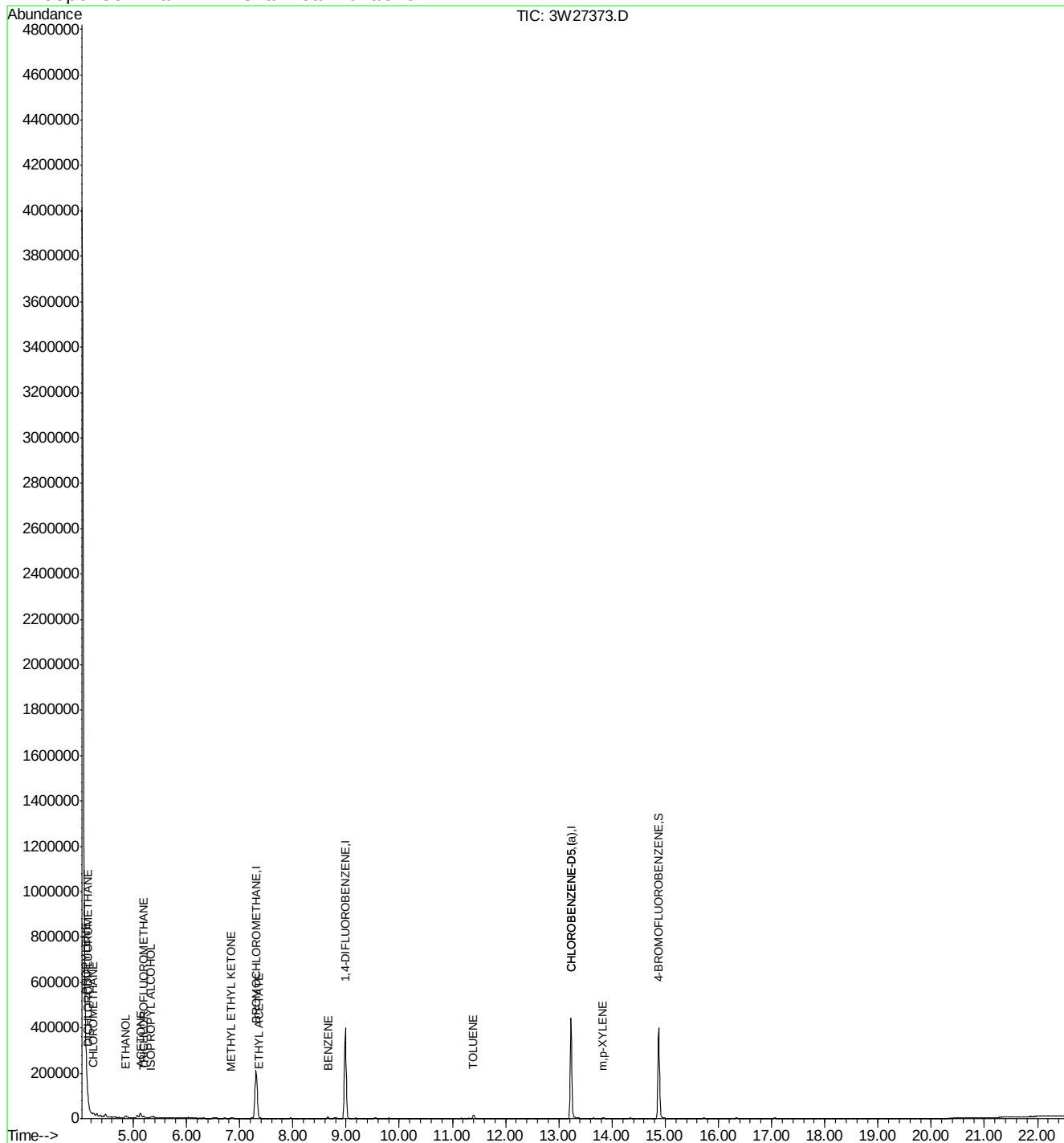
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) DICHLORODIFLUOROMETHANE	4.15	85	13942	0.41	PPBV	98
6) PROPYLENE	4.11	41	5052	0.39	PPBV	79
8) CHLOROMETHANE	4.25	50	6527	0.42	PPBV	98
18) TRICHLOROFLUOROMETHANE	5.20	101	6814	0.22	PPBV	98
19) ISOPROPYL ALCOHOL	5.33	45	5679	0.22	PPBV	94
20) ACETONE	5.14	58	10863	1.60	PPBV #	66
26) ETHANOL	4.86	45	12937	1.87	PPBV	99
39) METHYL ETHYL KETONE	6.83	72	728	0.12	PPBV	93
42) ETHYL ACETATE	7.36	61	839	0.21	PPBV #	79
50) BENZENE	8.66	78	7108	0.16	PPBV	98
65) TOLUENE	11.40	92	8078	0.29	PPBV	95
78) m,p-XYLENE	13.82	106	2594	0.15	PPBV	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
 3W27373.D M3W1065.M Thu Apr 05 10:11:05 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27373.D Vial: 11
Acq On : 5 Apr 2012 5:22 am Operator: yunxiac
Sample : JB2710-7 Inst : MS3W
Misc : MS27608,V3W1072,400,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 10:08 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration

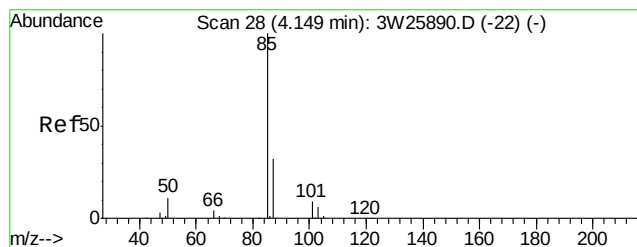


3W27373.D M3W1065.M

Thu Apr 05 10:11:06 2012

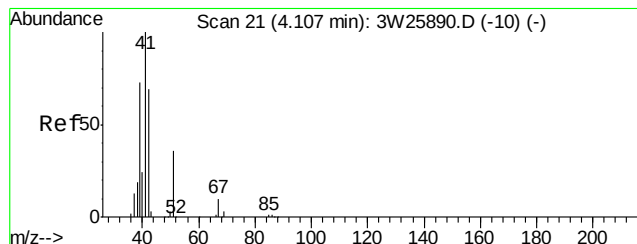
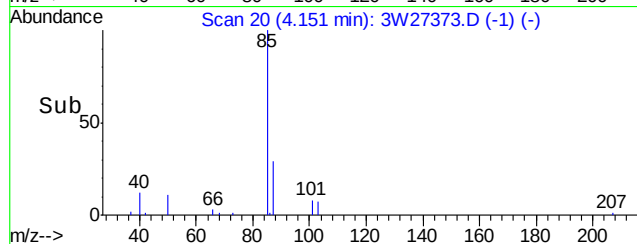
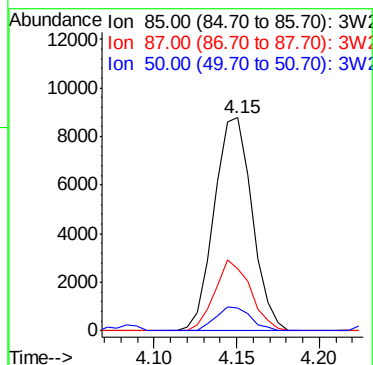
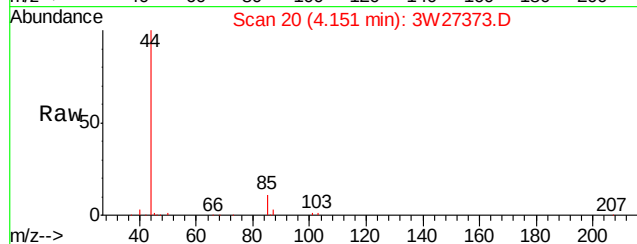
MSW

Page 2



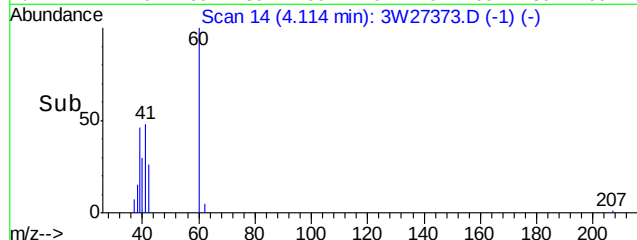
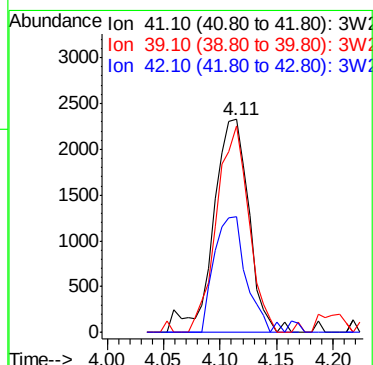
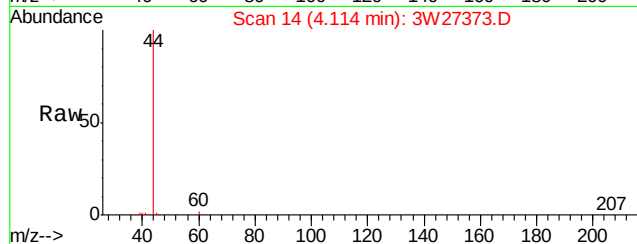
#5
 DICHLORODIFLUOROMETHANE
 Concen: 0.41 PPBV
 RT: 4.15 min Scan# 20
 Delta R.T. -0.01 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

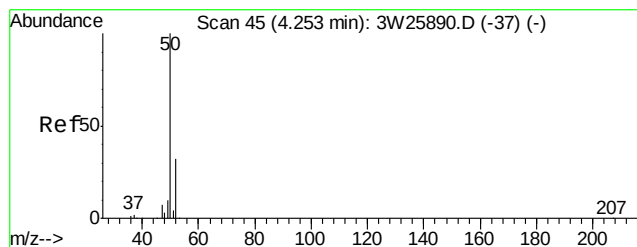
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.4	52.4
50	10.3	0.0	31.8



#6
 PROPYLENE
 Concen: 0.39 PPBV
 RT: 4.11 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

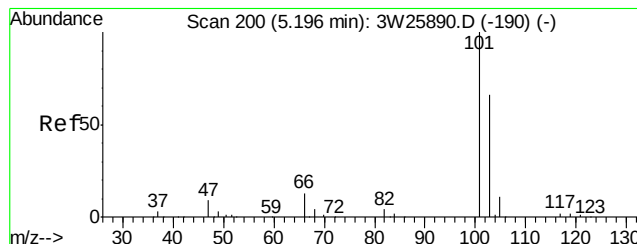
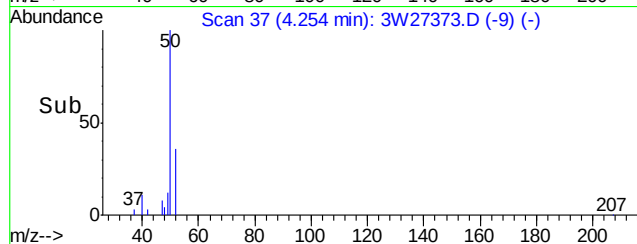
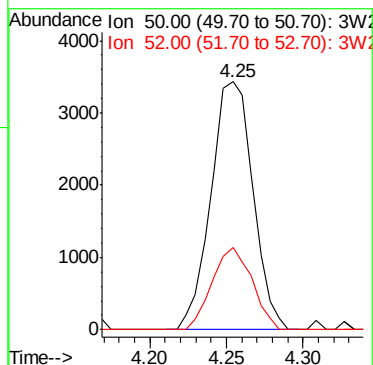
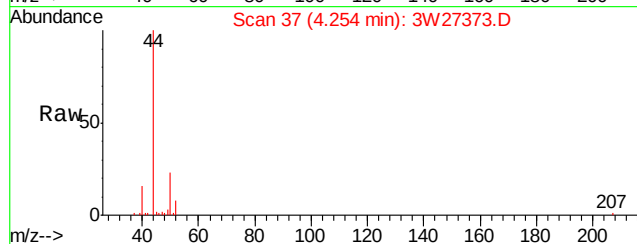
Tgt Ion	Ratio	Lower	Upper
41	100		
39	88.0	50.1	90.1
42	49.2	45.6	85.6





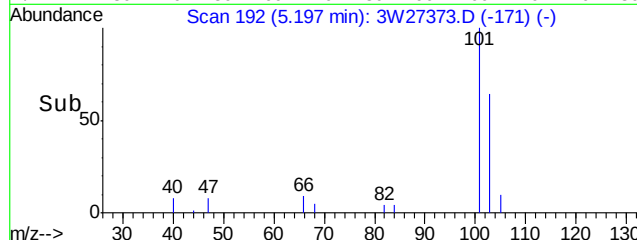
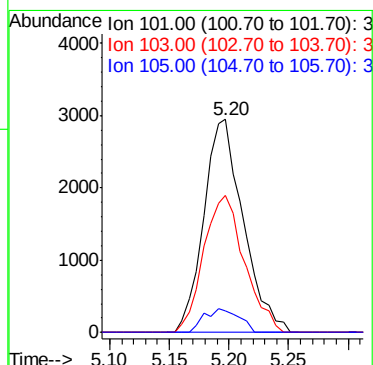
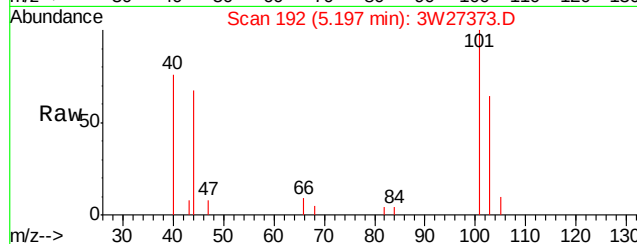
#8
 CHLOROMETHANE
 Concen: 0.42 PPBV
 RT: 4.25 min Scan# 37
 Delta R.T. -0.01 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

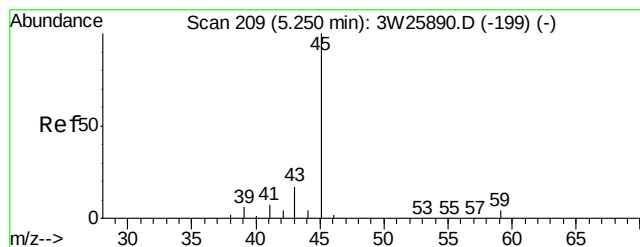
Tgt Ion: 50 Resp: 6527
 Ion Ratio Lower Upper
 50 100
 52 33.3 12.4 52.4



#18
 TRICHLOROFLUOROMETHANE
 Concen: 0.22 PPBV
 RT: 5.20 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

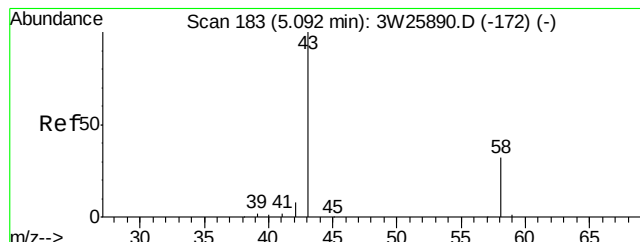
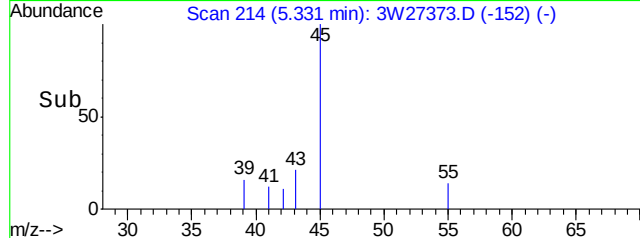
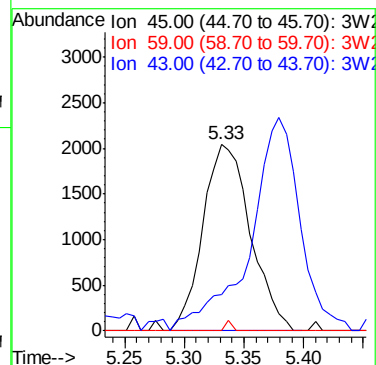
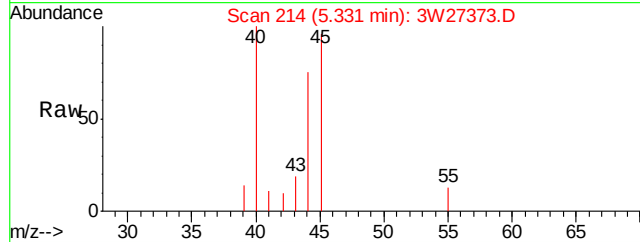
Tgt Ion: 101 Resp: 6814
 Ion Ratio Lower Upper
 101 100
 103 66.3 45.0 85.0
 105 9.9 0.0 30.7





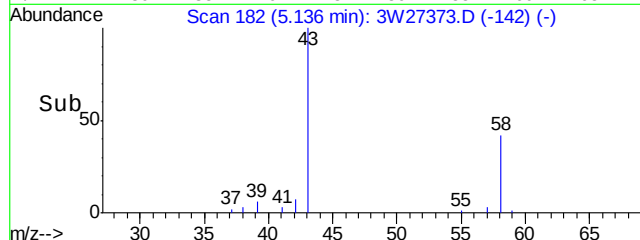
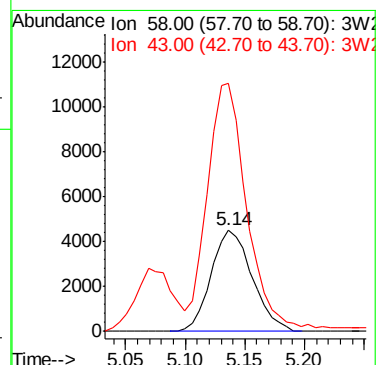
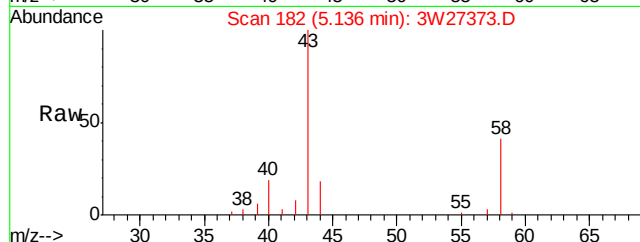
#19
ISOPROPYL ALCOHOL
Concen: 0.22 PPBV
RT: 5.33 min Scan# 214
Delta R.T. 0.08 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

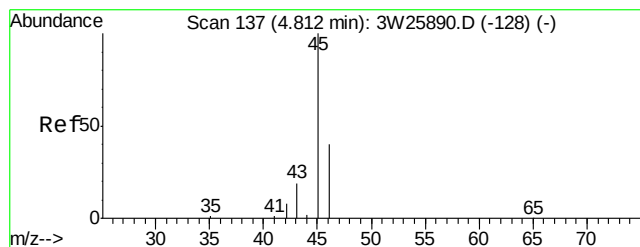
Tgt Ion:	45	Resp:	5679
Ion Ratio	Lower	Upper	
45	100		
59	0.0	0.0	23.9
43	19.6	0.0	37.3



#20
ACETONE
Concen: 1.60 PPBV
RT: 5.14 min Scan# 182
Delta R.T. 0.04 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

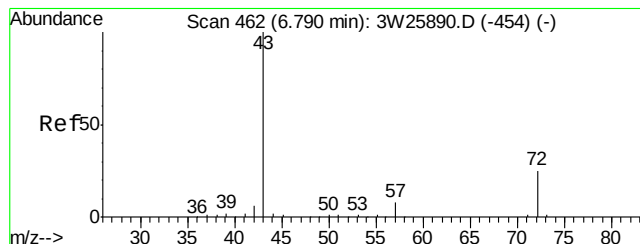
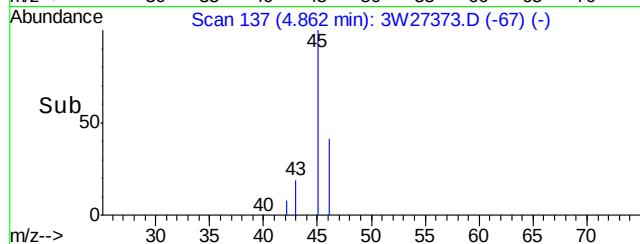
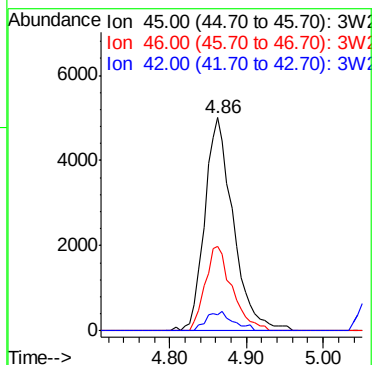
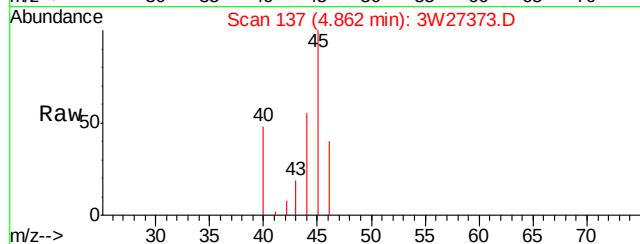
Tgt Ion:	58	Resp:	10863
Ion Ratio	Lower	Upper	
58	100		
43	240.8	289.4	329.4#





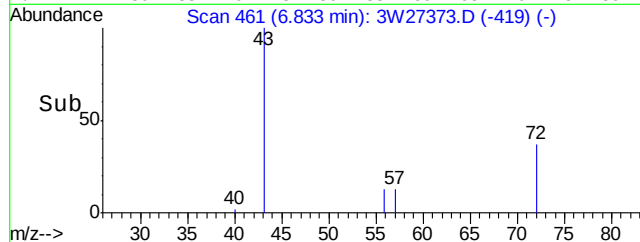
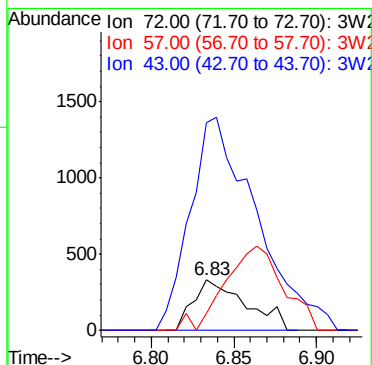
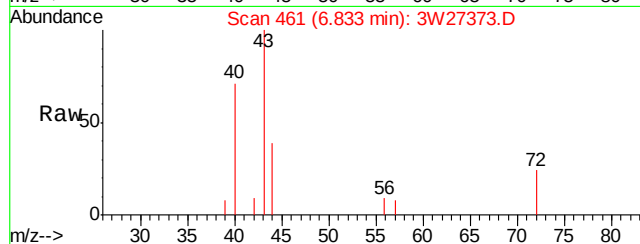
#26
 ETHANOL
 Concen: 1.87 PPBV
 RT: 4.86 min Scan# 137
 Delta R.T. 0.04 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

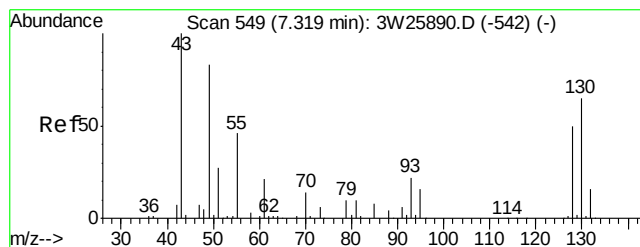
Tgt Ion:	45	Resp:	12937
Ion	Ratio	Lower	Upper
45	100		
46	37.5	17.5	57.5
42	8.5	0.0	29.8



#39
 METHYL ETHYL KETONE
 Concen: 0.12 PPBV
 RT: 6.83 min Scan# 461
 Delta R.T. 0.05 min
 Lab File: 3W27373.D
 Acq: 5 Apr 2012 5:22 am

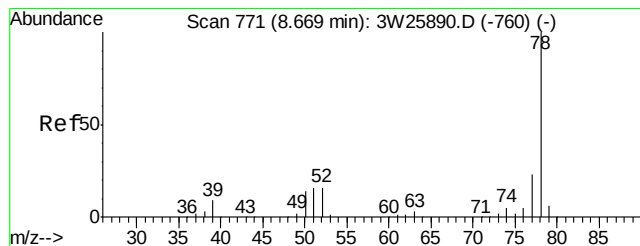
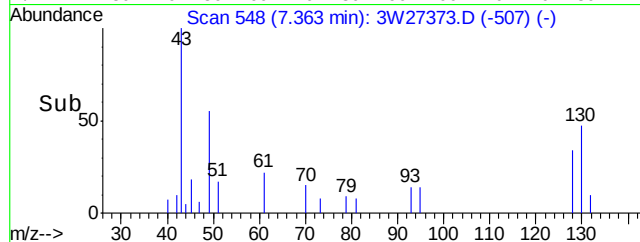
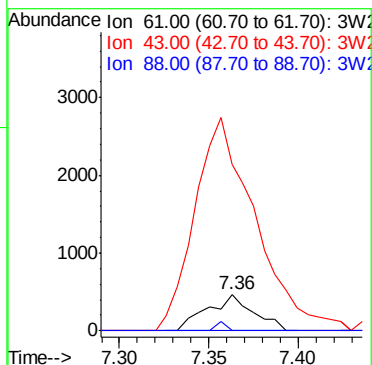
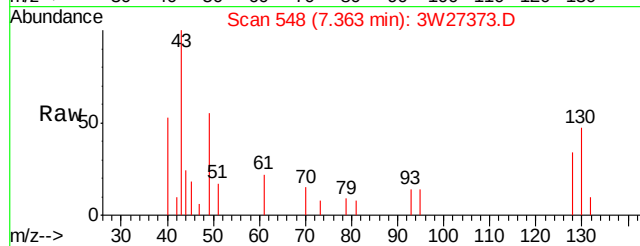
Tgt Ion:	72	Resp:	728
Ion	Ratio	Lower	Upper
72	100		
57	33.9	11.7	51.7
43	412.4	411.3	451.3





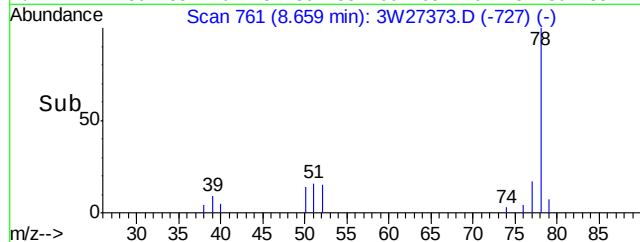
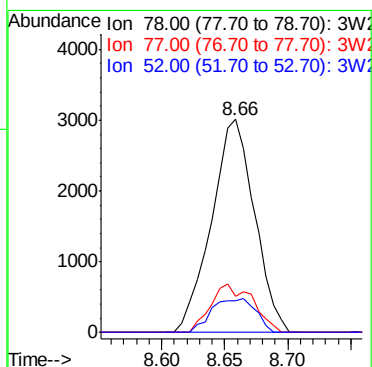
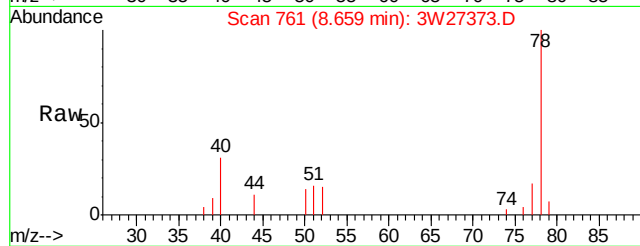
#42
ETHYL ACETATE
Concen: 0.21 PPBV
RT: 7.36 min Scan# 548
Delta R.T. 0.05 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

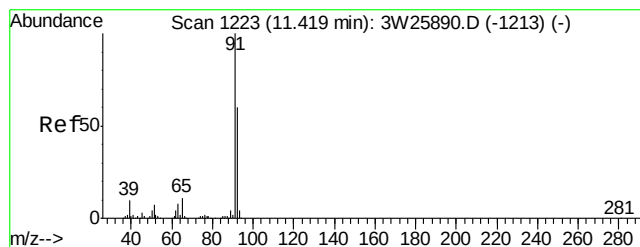
Tgt Ion	Ratio	Lower	Upper
61	100		
43	771.5	683.1	723.1#
88	0.0	4.0	44.0#



#50
BENZENE
Concen: 0.16 PPBV
RT: 8.66 min Scan# 761
Delta R.T. -0.00 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

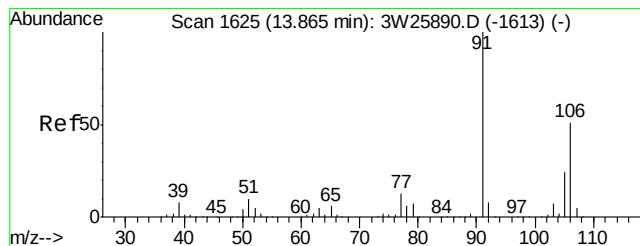
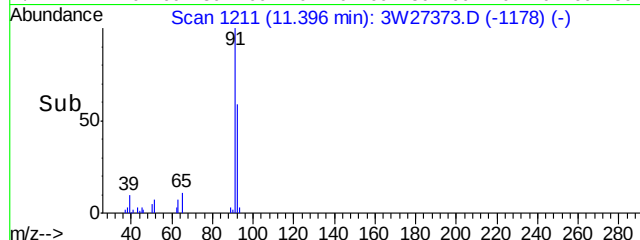
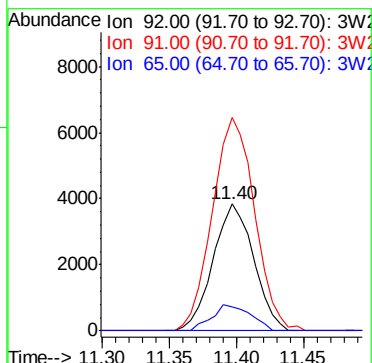
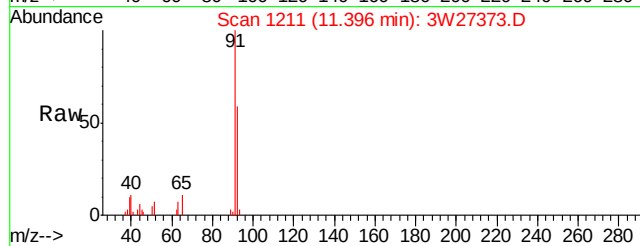
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	3.2	43.2
52	16.3	0.0	36.9





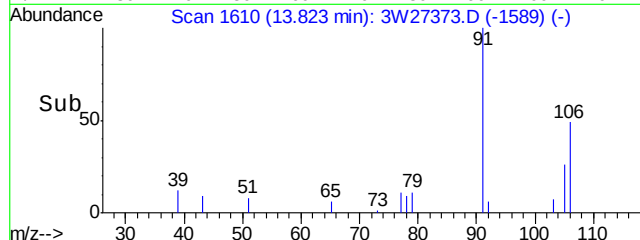
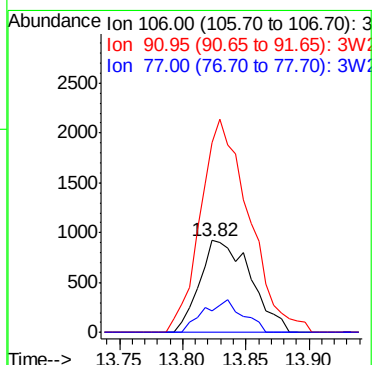
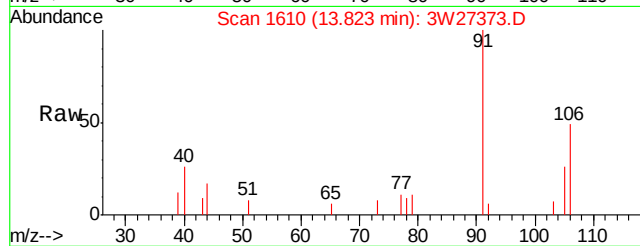
#65
TOLUENE
Concen: 0.29 PPBV
RT: 11.40 min Scan# 1211
Delta R.T. -0.01 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.1	148.5	188.5
65	19.5	2.8	42.8



#78
m,p-XYLENE
Concen: 0.15 PPBV
RT: 13.82 min Scan# 1610
Delta R.T. -0.02 min
Lab File: 3W27373.D
Acq: 5 Apr 2012 5:22 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.0	177.2	217.2
77	23.4	6.3	46.3



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27350.D Vial: 5
Acq On : 4 Apr 2012 1:32 pm Operator: yunxiac
Sample : MB Inst : MS3W
Misc : MS27556,V3W1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 05 08:39:06 2012 Quant Results File: M3W1065.RES

Quant Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration
DataAcq Meth : T0153W

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.30	128	83916	10.00	PPBV	0.00
49) 1,4-DIFLUOROBENZENE	8.97	114	387848	10.00	PPBV	-0.01
68) CHLOROBENZENE-D5	13.23	82	178864	10.00	PPBV	0.00
105) CHLOROBENZENE-D5 (a)	13.23	82	179067	10.00	PPBV	0.00

System Monitoring Compounds
83) 4-BROMOFLUOROBENZENE 14.88 95 177250 8.80 PPBV 0.00
Spiked Amount 10.000 Range 65 - 128 Recovery = 88.00%

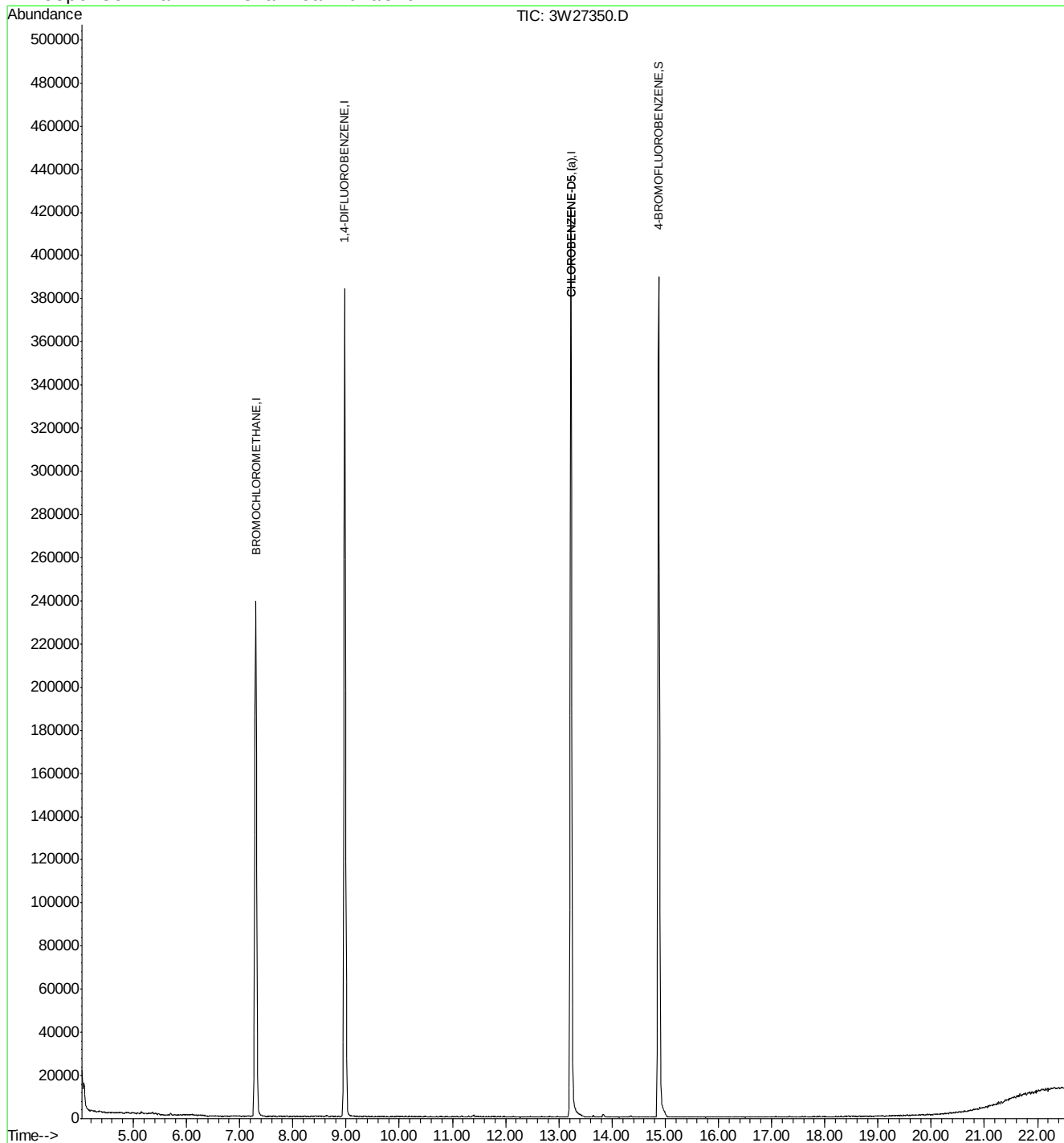
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
3W27350.D M3W1065.M Thu Apr 05 10:12:56 2012 MSW

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\OLD_W\V3W1072\3W27350.D Vial: 5
Acq On : 4 Apr 2012 1:32 pm Operator: yunxiac
Sample : MB Inst : MS3W
Misc : MS27556,V3W1072,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 5 9:26 2012 Quant Results File: M3W1065.RES

Method : C:\MSDCHEM\1\METHODS\M3W1065.M (RTE Integrator)
Title : T015 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Mar 28 09:51:26 2012
Response via : Initial Calibration



3W27350.D M3W1065.M

Thu Apr 05 10:12:56 2012

MSW

Page 2



06/28/12

Technical Report for

Environ Corporation

Bulova, Valley Stream, NY

02-1961B

Accutest Job Number: JB2750

Sampling Date: 03/27/12

Report to:

Environ

NScala@environcorp.com

ATTN: Nick Scala

Total number of pages in report: **88**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Paul Ioannidis
Lab Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Environ Corporation

Job No: JB2750

Bulova, Valley Stream, NY
Project No: 02-1961B

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB2750-1	03/27/12	11:20 JS	03/28/12	AQ	Ground Water	MWHD4-120327
JB2750-2	03/27/12	10:10 JS	03/28/12	AQ	Ground Water	MWHD6-120327
JB2750-2D	03/27/12	10:10 JS	03/28/12	AQ	Water Dup/MSD	MWHD6-120327 MSD
JB2750-2S	03/27/12	10:10 JS	03/28/12	AQ	Water Matrix Spike	MWHD6-120327 MS
JB2750-3	03/27/12	10:10 JS	03/28/12	AQ	Ground Water	MWHD6-120327D
JB2750-4	03/27/12	08:51 JS	03/28/12	AQ	Ground Water	MWHD7-120327
JB2750-5	03/27/12	11:45 JS	03/28/12	AQ	Field Blank Water	FB-120327
JB2750-6	03/27/12	11:45 JS	03/28/12	AQ	Trip Blank Water	TB-120327

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Environ Corporation

Job No JB2750

Site: Bulova, Valley Stream, NY

Report Date 4/10/2012 11:19:18 A

On 03/28/2012, 4 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB2750 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V3D3102

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB2750-2MS, JB2750-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1-Dichloroethane are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1-Dichloroethane are outside control limits. Outside control limits due to matrix interference.
- JB2750-5: (pH=5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JB2750-4: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JB2750-2MSD: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JB2750-2MS: (pH=6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JB2750-6: (pH=5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Matrix: AQ

Batch ID: V3D3105

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB2358-17MS, JB2358-17MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB2750-1: (pH=5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.
- JB2750-2: (pH=5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Matrix: AQ

Batch ID: V3D3107

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB3077-1MS, JB3077-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 1,1-Dichloroethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- JB2750-3: (pH=7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

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Report of Analysis

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Client Sample ID:	MWHD4-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-1	Date Received:	03/28/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71789.D	2	04/02/12	NT	n/a	n/a	V3D3105
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	16.9	2.0	0.38	ug/l	
75-35-4	1,1-Dichloroethene	128	2.0	0.56	ug/l	
76-13-1	Freon 113	5.5	10	0.98	ug/l	J
127-18-4	Tetrachloroethene	2.6	2.0	0.64	ug/l	
71-55-6	1,1,1-Trichloroethane	255	2.0	0.47	ug/l	
79-01-6	Trichloroethene	40.7	2.0	0.42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		77-120%
17060-07-0	1,2-Dichloroethane-D4	117%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

(a) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest LabLink@677377 14:11 28-Jun-2012

Report of Analysis

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Client Sample ID:	MWHD6-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-2	Date Received:	03/28/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71788.D	1	04/02/12	NT	n/a	n/a	V3D3105
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	1.1	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	1.2	1.0	0.24	ug/l	
79-01-6	Trichloroethene	0.41	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		77-120%
17060-07-0	1,2-Dichloroethane-D4	117%		70-127%
2037-26-5	Toluene-D8	101%		79-120%
460-00-4	4-Bromofluorobenzene	106%		76-118%

(a) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	MWHD6-120327D	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-3	Date Received:	03/28/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71823.D	1	04/03/12	NT	n/a	n/a	V3D3107
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	0.21	1.0	0.19	ug/l	J
75-35-4	1,1-Dichloroethene	1.1	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	1.3	1.0	0.24	ug/l	
79-01-6	Trichloroethene	0.38	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	116%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	106%		76-118%

(a) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	MWHD7-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-4	Date Received:	03/28/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71700.D	1	03/31/12	NT	n/a	n/a	V3D3102
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	0.74	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		77-120%
17060-07-0	1,2-Dichloroethane-D4	112%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	103%		76-118%

(a) (pH= 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	FB-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-5	Date Received:	03/28/12
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71701.D	1	03/31/12	NT	n/a	n/a	V3D3102
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	112%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

(a) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest LabLink@677377 14:11 28-Jun-2012

Report of Analysis

Page 1 of 1

Client Sample ID:	TB-120327	Date Sampled:	03/27/12
Lab Sample ID:	JB2750-6	Date Received:	03/28/12
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Bulova, Valley Stream, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D71702.D	1	03/31/12	NT	n/a	n/a	V3D3102
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	113%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	104%		76-118%

(a) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)		Matrix Codes	
Company Name Environ Corp.		Project Name Belora		FED-EX Tracking #		Bottle Order Control #	
Street Address 214 Carnegie Ctr.		Street		Accutest Quote #		Accutest Job # JB2750	
City Princeton, NJ 08540		City Valley Stream, NY		Billing Information (if different from Report to)		Company Name	
Project Contact M. Potts		Project # 02-1961B		Street Address		City	
Phone # 609 452 9000		Fax #		Client Purchase Order #		State	
Sampler(s) Name(s) J. Shyly		Phone #		Project Manager M. Potts		Attention:	
Collection		Number of preserved Bottles		PC		HNO3	
Field ID / Point of Collection		MEOH/DI Vial #		Date		Time	
MWHD 4-120327		-1		3/27/12		1120	
MWHD 6-120327		-2		1910		1910	
MWHD 6-120327D		-3		1010		1010	
MWHD 6-120327MS		-4		1010		1010	
MWHD 6-120327MSD		-5		1010		1010	
MWHD 7-120327		-6		0851		0851	
FB-120327		-7		1145		1145	
TB-120327		-8		1120		1120	
Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information		Comments / Special Instructions	
☒ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink		☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data		☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____		Samples are unrepresented	
Relinquished By: J. Shyly		Date/Time: 3/28/12		Relinquished By: Ben J. McCall		Date/Time: 3/28/12	
Relinquished by Sampler:		Date/Time:		Relinquished By:		Date/Time:	
Relinquished by:		Date/Time:		Relinquished By:		Date/Time:	
Custody Seal #		☐ Intact ☒ Not intact		Preserved where applicable ☐ On Ice ☒ Cooler Temp.		5.5°C	

4.1
4

JB2750: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB2750 **Client:** _____ **Project:** _____
Date / Time Received: 3/28/2012 **Delivery Method:** _____ **Airbill #'s:** _____
Cooler Temps (Initial/Adjusted): #1: (5.5/5.5); 0

Cooler Security

<u>Y or N</u>	<u>Y or N</u>
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐

Cooler Temperature

<u>Y or N</u>	
1. Temp criteria achieved: ☒ ☐	
2. Cooler temp verification: _____	
3. Cooler media: _____	Ice (Bag)
4. No. Coolers: _____	1

Quality Control Preservation

<u>Y or N</u>	<u>N/A</u>
1. Trip Blank present / cooler: ☒ ☐	☐
2. Trip Blank listed on COC: ☒ ☐	☐
3. Samples preserved properly: ☒ ☐	☐
4. VOCs headspace free: ☒ ☐	☐

Sample Integrity - Documentation

<u>Y or N</u>	<u>Y or N</u>
1. Sample labels present on bottles: ☒ ☐	
2. Container labeling complete: ☒ ☐	
3. Sample container label / COC agree: ☒ ☐	

Sample Integrity - Condition

<u>Y or N</u>	<u>Y or N</u>
1. Sample recvd within HT: ☒ ☐	
2. All containers accounted for: ☒ ☐	
3. Condition of sample: _____	Intact

Sample Integrity - Instructions

<u>Y or N</u>	<u>N/A</u>
1. Analysis requested is clear: ☒ ☐	
2. Bottles received for unspecified tests: ☐ ☒	
3. Sufficient volume recvd for analysis: ☒ ☐	
4. Compositing instructions clear: ☐ ☐	☒
5. Filtering instructions clear: ☐ ☐	☒

Comments

Internal Sample Tracking Chronicle

Environ Corporation

Job No: JB2750

Bulova, Valley Stream, NY

Project No: 02-1961B

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB2750-1	Collected: 27-MAR-12 11:20	By: JS	Received: 28-MAR-12	By: MPC		
MWHD4-120327						
JB2750-1	SW846 8260B	02-APR-12 20:33	NT			V8260SL
JB2750-2	Collected: 27-MAR-12 10:10	By: JS	Received: 28-MAR-12	By: MPC		
MWHD6-120327						
JB2750-2	SW846 8260B	02-APR-12 20:05	NT			V8260SL
JB2750-3	Collected: 27-MAR-12 10:10	By: JS	Received: 28-MAR-12	By: MPC		
MWHD6-120327D						
JB2750-3	SW846 8260B	03-APR-12 13:08	NT			V8260SL
JB2750-4	Collected: 27-MAR-12 08:51	By: JS	Received: 28-MAR-12	By: MPC		
MWHD7-120327						
JB2750-4	SW846 8260B	31-MAR-12 01:55	NT			V8260SL
JB2750-5	Collected: 27-MAR-12 11:45	By: JS	Received: 28-MAR-12	By: MPC		
FB-120327						
JB2750-5	SW846 8260B	31-MAR-12 02:23	NT			V8260SL
JB2750-6	Collected: 27-MAR-12 11:45	By: JS	Received: 28-MAR-12	By: MPC		
TB-120327						
JB2750-6	SW846 8260B	31-MAR-12 02:51	NT			V8260SL

Accutest Internal Chain of Custody

Page 1 of 2

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 03/28/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB2750-1.1	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-1.1	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-1.1	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-1.1	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-1.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-1.2	Secured Storage	Nathaniel Tuvra	04/02/12 16:50	Retrieve from Storage
JB2750-1.2	Nathaniel Tuvra	Secured Storage	04/02/12 16:50	Return to Storage
JB2750-1.2	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-2.1	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-2.1	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-2.1	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-2.1	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-2.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-2.2	Secured Storage	Nathaniel Tuvra	04/02/12 16:52	Retrieve from Storage
JB2750-2.2	Nathaniel Tuvra	GCMS3D	04/02/12 16:52	Load on Instrument
JB2750-2.2	GCMS3D	Nathaniel Tuvra	04/03/12 09:00	Unload from Instrument
JB2750-2.2	Nathaniel Tuvra	Secured Storage	04/03/12 09:00	Return to Storage
JB2750-2.2	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-2.4	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-2.4	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-2.4	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-2.4	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-2.4	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-2.5	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-2.5	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-2.5	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-2.5	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-2.5	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-3.1	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-3.1	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-3.1	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-3.1	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-3.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-4.1	Secured Storage	Nathaniel Tuvra	03/30/12 14:52	Retrieve from Storage
JB2750-4.1	Nathaniel Tuvra	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-4.1	GCMS3D	Nathaniel Tuvra	04/02/12 11:57	Unload from Instrument
JB2750-4.1	Nathaniel Tuvra	Secured Storage	04/02/12 11:57	Return to Storage

Accutest Internal Chain of Custody

Page 2 of 2

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY
Received: 03/28/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB2750-4.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-5.1	Secured Storage	Nathaniel Tuvera	03/30/12 14:52	Retrieve from Storage
JB2750-5.1	Nathaniel Tuvera	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-5.1	GCMS3D	Nathaniel Tuvera	04/02/12 11:57	Unload from Instrument
JB2750-5.1	Nathaniel Tuvera	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-5.1	Dave Hunkele		04/30/12 05:50	Disposed
JB2750-6.1	Secured Storage	Nathaniel Tuvera	03/30/12 14:52	Retrieve from Storage
JB2750-6.1	Nathaniel Tuvera	GCMS3D	03/30/12 14:52	Load on Instrument
JB2750-6.1	GCMS3D	Nathaniel Tuvera	04/02/12 11:57	Unload from Instrument
JB2750-6.1	Nathaniel Tuvera	Secured Storage	04/02/12 11:57	Return to Storage
JB2750-6.1	Dave Hunkele		04/30/12 05:50	Disposed

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Page 1 of 1

Job Number: JB2750**Account:** ENVIRON Environ Corporation**Project:** Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3102-MB1	3D71693.D	1	03/30/12	NT	n/a	n/a	V3D3102

The QC reported here applies to the following samples:**Method:** SW846 8260B

JB2750-4, JB2750-5, JB2750-6

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	106% 77-120%
17060-07-0	1,2-Dichloroethane-D4	112% 70-127%
2037-26-5	Toluene-D8	99% 79-120%
460-00-4	4-Bromofluorobenzene	103% 76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Page 1 of 1

Job Number: JB2750**Account:** ENVIRON Environ Corporation**Project:** Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3105-MB1	3D71769.D	1	04/02/12	NT	n/a	n/a	V3D3105

The QC reported here applies to the following samples:**Method:** SW846 8260B

JB2750-1, JB2750-2

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	109%
17060-07-0	1,2-Dichloroethane-D4	77-120%
2037-26-5	Toluene-D8	70-127%
460-00-4	4-Bromofluorobenzene	98%
		79-120%
		76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Page 1 of 1

Job Number: JB2750**Account:** ENVIRON Environ Corporation**Project:** Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3107-MB1	3D71820.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples:**Method:** SW846 8260B

JB2750-3

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	1.0	0.19	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.28	ug/l	
76-13-1	Freon 113	ND	5.0	0.49	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.32	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	108% 77-120%
17060-07-0	1,2-Dichloroethane-D4	114% 70-127%
2037-26-5	Toluene-D8	98% 79-120%
460-00-4	4-Bromofluorobenzene	107% 76-118%

Blank Spike Summary

Page 1 of 1

Job Number: JB2750

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3102-BS	3D71694.D	1	03/30/12	NT	n/a	n/a	V3D3102

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-4, JB2750-5, JB2750-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	50	59.0	118	74-124
75-35-4	1,1-Dichloroethene	50	52.0	104	68-126
76-13-1	Freon 113	50	49.4	99	64-145
127-18-4	Tetrachloroethene	50	47.1	94	64-148
71-55-6	1,1,1-Trichloroethane	50	58.4	117	76-135
79-01-6	Trichloroethene	50	52.0	104	80-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	77-120%
17060-07-0	1,2-Dichloroethane-D4	116%	70-127%
2037-26-5	Toluene-D8	99%	79-120%
460-00-4	4-Bromofluorobenzene	104%	76-118%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: JB2750

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3105-BS	3D71770.D	1	04/02/12	NT	n/a	n/a	V3D3105

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-1, JB2750-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	50	61.3	123	74-124
75-35-4	1,1-Dichloroethene	50	54.9	110	68-126
76-13-1	Freon 113	50	58.7	117	64-145
127-18-4	Tetrachloroethene	50	48.3	97	64-148
71-55-6	1,1,1-Trichloroethane	50	59.9	120	76-135
79-01-6	Trichloroethene	50	54.0	108	80-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	77-120%
17060-07-0	1,2-Dichloroethane-D4	116%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	106%	76-118%

* = Outside of Control Limits.

Blank Spike Summary

Page 1 of 1

Job Number: JB2750

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D3107-BS	3D71821.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	50	62.4	125* a	74-124
75-35-4	1,1-Dichloroethene	50	55.6	111	68-126
76-13-1	Freon 113	50	58.9	118	64-145
127-18-4	Tetrachloroethene	50	48.8	98	64-148
71-55-6	1,1,1-Trichloroethane	50	61.2	122	76-135
79-01-6	Trichloroethene	50	54.6	109	80-129

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	77-120%
17060-07-0	1,2-Dichloroethane-D4	116%	70-127%
2037-26-5	Toluene-D8	100%	79-120%
460-00-4	4-Bromofluorobenzene	108%	76-118%

(a) High percent recoveries and no associated positive found in the QC batch.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB2750-2MS ^a	3D71695.D	1	03/30/12	NT	n/a	n/a	V3D3102
JB2750-2MSD ^a	3D71696.D	1	03/31/12	NT	n/a	n/a	V3D3102
JB2750-2 ^b	3D71698.D	1	03/31/12	NT	n/a	n/a	V3D3102

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-4, JB2750-5, JB2750-6

CAS No.	Compound	JB2750-2 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	ND		50	66.3	133* ^c	67.2	134* ^c	1	58-132/13
75-35-4	1,1-Dichloroethene	0.54	J	50	62.0	123	64.3	128	4	43-142/17
76-13-1	Freon 113	ND		50	68.1	136	65.4	131	4	38-159/18
127-18-4	Tetrachloroethene	ND		50	56.4	113	58.5	117	4	52-143/15
71-55-6	1,1,1-Trichloroethane	0.52	J	50	69.0	137	71.1	141	3	55-146/15
79-01-6	Trichloroethene	0.35	J	50	60.5	120	62.0	123	2	54-142/14

CAS No.	Surrogate Recoveries	MS	MSD	JB2750-2	Limits
1868-53-7	Dibromofluoromethane	108%	108%		77-120%
17060-07-0	1,2-Dichloroethane-D4	113%	111%		70-127%
2037-26-5	Toluene-D8	99%	98%		79-120%
460-00-4	4-Bromofluorobenzene	105%	104%		76-118%

(a) (pH= 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

(b) (pH= 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Sample used for QC purposes only.

(c) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JB2750

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB2358-17MS	3D71781.D	1	04/02/12	NT	n/a	n/a	V3D3105
JB2358-17MSD	3D71782.D	1	04/02/12	NT	n/a	n/a	V3D3105
JB2358-17	3D71778.D	1	04/02/12	NT	n/a	n/a	V3D3105

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-1, JB2750-2

CAS No.	Compound	JB2358-17 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	ND	50	62.6	125	64.1	128	2	58-132/13
75-35-4	1,1-Dichloroethene	ND	50	55.8	112	58.3	117	4	43-142/17
76-13-1	Freon 113	ND	50	61.4	123	64.8	130	5	38-159/18
127-18-4	Tetrachloroethene	ND	50	50.7	101	51.9	104	2	52-143/15
71-55-6	1,1,1-Trichloroethane	ND	50	62.4	125	65.5	131	5	55-146/15
79-01-6	Trichloroethene	ND	50	55.1	110	56.9	114	3	54-142/14

CAS No.	Surrogate Recoveries	MS	MSD	JB2358-17	Limits
1868-53-7	Dibromofluoromethane	111%	111%	106%	77-120%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	106%	70-127%
2037-26-5	Toluene-D8	102%	101%	99%	79-120%
460-00-4	4-Bromofluorobenzene	107%	106%	105%	76-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JB2750

Account: ENVIRON Environ Corporation

Project: Bulova, Valley Stream, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB3077-1MS	3D71830.D	1	04/03/12	NT	n/a	n/a	V3D3107
JB3077-1MSD	3D71831.D	1	04/03/12	NT	n/a	n/a	V3D3107
JB3077-1	3D71826.D	1	04/03/12	NT	n/a	n/a	V3D3107

The QC reported here applies to the following samples:

Method: SW846 8260B

JB2750-3

CAS No.	Compound	JB3077-1 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	ND	50	61.7	123	59.2	118	4	58-132/13
75-35-4	1,1-Dichloroethene	ND	50	54.3	109	52.5	105	3	43-142/17
76-13-1	Freon 113	ND	50	58.9	118	56.1	112	5	38-159/18
127-18-4	Tetrachloroethene	ND	50	49.1	98	46.9	94	5	52-143/15
71-55-6	1,1,1-Trichloroethane	ND	50	61.9	124	59.5	119	4	55-146/15
79-01-6	Trichloroethene	ND	50	53.5	107	51.6	103	4	54-142/14

CAS No.	Surrogate Recoveries	MS	MSD	JB3077-1	Limits
1868-53-7	Dibromofluoromethane	111%	112%	108%	77-120%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	116%	70-127%
2037-26-5	Toluene-D8	100%	99%	100%	79-120%
460-00-4	4-Bromofluorobenzene	111%	109%	107%	76-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-BFB
Lab File ID: 3D71157.D
Instrument ID: GCMS3D
Injection Date: 03/16/12
Injection Time: 08:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	10962	17.4	Pass
75	30.0 - 60.0% of mass 95	28032	44.5	Pass
95	Base peak, 100% relative abundance	63048	100.0	Pass
96	5.0 - 9.0% of mass 95	4263	6.76	Pass
173	Less than 2.0% of mass 174	449	0.71 (0.78) ^a	Pass
174	50.0 - 120.0% of mass 95	57397	91.0	Pass
175	5.0 - 9.0% of mass 174	4201	6.66 (7.32) ^a	Pass
176	95.0 - 101.0% of mass 174	55123	87.4 (96.0) ^a	Pass
177	5.0 - 9.0% of mass 176	3664	5.81 (6.65) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3076-IC3076	3D71158.D	03/16/12	09:06	00:34	Initial cal 5
V3D3076-IC3076	3D71159.D	03/16/12	09:47	01:15	Initial cal 2
ZZZZZZ	3D71160A.D	03/16/12	10:17	01:45	(unrelated sample)
V3D3076-IC3076	3D71160.D	03/16/12	10:17	01:45	Initial cal 1
V3D3076-IC3076	3D71161.D	03/16/12	10:45	02:13	Initial cal 0.5
ZZZZZZ	3D71161A.D	03/16/12	10:45	02:13	(unrelated sample)
V3D3076-IC3076	3D71162.D	03/16/12	11:13	02:41	Initial cal 10
V3D3076-IC3076	3D71163.D	03/16/12	11:46	03:14	Initial cal 20
V3D3076-ICC3076	3D71164.D	03/16/12	12:14	03:42	Initial cal 50
V3D3076-IC3076	3D71165.D	03/16/12	12:42	04:10	Initial cal 100
V3D3076-IC3076	3D71166.D	03/16/12	13:10	04:38	Initial cal 200
V3D3076-ICV3076	3D71170.D	03/16/12	15:26	06:54	Initial cal verification 50
V3D3076-ICV3076	3D71171.D	03/16/12	16:26	07:54	Initial cal verification 50
ZZZZZZ	3D71172.D	03/16/12	17:21	08:49	(unrelated sample)

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3102-BFB
Lab File ID: 3D71690.D
Instrument ID: GCMS3D
Injection Date: 03/30/12
Injection Time: 21:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	12755	20.3	Pass
75	30.0 - 60.0% of mass 95	30112	47.8	Pass
95	Base peak, 100% relative abundance	62968	100.0	Pass
96	5.0 - 9.0% of mass 95	4219	6.70	Pass
173	Less than 2.0% of mass 174	352	0.56 (0.75) ^a	Pass
174	50.0 - 120.0% of mass 95	47019	74.7	Pass
175	5.0 - 9.0% of mass 174	3388	5.38 (7.21) ^a	Pass
176	95.0 - 101.0% of mass 174	45680	72.5 (97.2) ^a	Pass
177	5.0 - 9.0% of mass 176	3057	4.85 (6.69) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3102-CC3076	3D71691.D	03/30/12	21:44	00:28	Continuing cal 50
V3D3102-MB1	3D71693.D	03/30/12	22:39	01:23	Method Blank
V3D3102-BS	3D71694.D	03/30/12	23:07	01:51	Blank Spike
JB2750-2MS	3D71695.D	03/30/12	23:35	02:19	Matrix Spike
JB2750-2MSD	3D71696.D	03/31/12	00:03	02:47	Matrix Spike Duplicate
JB2750-2	3D71698.D	03/31/12	00:59	03:43	MWHD6-120327
JB2750-4	3D71700.D	03/31/12	01:55	04:39	MWHD7-120327
JB2750-5	3D71701.D	03/31/12	02:23	05:07	FB-120327
JB2750-6	3D71702.D	03/31/12	02:51	05:35	TB-120327
ZZZZZZ	3D71704.D	03/31/12	03:47	06:31	(unrelated sample)
ZZZZZZ	3D71705.D	03/31/12	04:16	07:00	(unrelated sample)
ZZZZZZ	3D71706.D	03/31/12	04:44	07:28	(unrelated sample)
ZZZZZZ	3D71707.D	03/31/12	05:12	07:56	(unrelated sample)
ZZZZZZ	3D71708.D	03/31/12	05:40	08:24	(unrelated sample)
ZZZZZZ	3D71709.D	03/31/12	06:08	08:52	(unrelated sample)
ZZZZZZ	3D71710.D	03/31/12	06:37	09:21	(unrelated sample)
ZZZZZZ	3D71711.D	03/31/12	07:05	09:49	(unrelated sample)
ZZZZZZ	3D71712.D	03/31/12	07:33	10:17	(unrelated sample)
ZZZZZZ	3D71713.D	03/31/12	08:01	10:45	(unrelated sample)
ZZZZZZ	3D71714.D	03/31/12	08:29	11:13	(unrelated sample)

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3105-BFB
Lab File ID: 3D71766.D
Instrument ID: GCMS3D
Injection Date: 04/02/12
Injection Time: 08:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	13857	20.4	Pass
75	30.0 - 60.0% of mass 95	32040	47.2	Pass
95	Base peak, 100% relative abundance	67832	100.0	Pass
96	5.0 - 9.0% of mass 95	4717	6.95	Pass
173	Less than 2.0% of mass 174	366	0.54 (0.75) ^a	Pass
174	50.0 - 120.0% of mass 95	48891	72.1	Pass
175	5.0 - 9.0% of mass 174	3592	5.30 (7.35) ^a	Pass
176	95.0 - 101.0% of mass 174	46939	69.2 (96.0) ^a	Pass
177	5.0 - 9.0% of mass 176	3184	4.69 (6.78) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3105-CC3076	3D71767.D	04/02/12	09:07	00:32	Continuing cal 20
V3D3105-MB1	3D71769.D	04/02/12	10:17	01:42	Method Blank
V3D3105-BS	3D71770.D	04/02/12	11:00	02:25	Blank Spike
ZZZZZZ	3D71772.D	04/02/12	12:12	03:37	(unrelated sample)
ZZZZZZ	3D71773.D	04/02/12	12:40	04:05	(unrelated sample)
ZZZZZZ	3D71774.D	04/02/12	13:08	04:33	(unrelated sample)
ZZZZZZ	3D71775.D	04/02/12	13:36	05:01	(unrelated sample)
JB2358-17	3D71778.D	04/02/12	15:18	06:43	(used for QC only; not part of job JB2750)
ZZZZZZ	3D71779.D	04/02/12	15:46	07:11	(unrelated sample)
ZZZZZZ	3D71780.D	04/02/12	16:14	07:39	(unrelated sample)
JB2358-17MS	3D71781.D	04/02/12	16:50	08:15	Matrix Spike
JB2358-17MSD	3D71782.D	04/02/12	17:18	08:43	Matrix Spike Duplicate
ZZZZZZ	3D71785.D	04/02/12	18:42	10:07	(unrelated sample)
ZZZZZZ	3D71786.D	04/02/12	19:10	10:35	(unrelated sample)
ZZZZZZ	3D71787.D	04/02/12	19:38	11:03	(unrelated sample)
JB2750-2	3D71788.D	04/02/12	20:05	11:30	MWHD6-120327
JB2750-1	3D71789.D	04/02/12	20:33	11:58	MWHD4-120327

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3107-BFB
Lab File ID: 3D71817.D
Instrument ID: GCMS3D
Injection Date: 04/03/12
Injection Time: 09:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	13347	20.4	Pass
75	30.0 - 60.0% of mass 95	30888	47.2	Pass
95	Base peak, 100% relative abundance	65496	100.0	Pass
96	5.0 - 9.0% of mass 95	4522	6.90	Pass
173	Less than 2.0% of mass 174	371	0.57 (0.75) ^a	Pass
174	50.0 - 120.0% of mass 95	49331	75.3	Pass
175	5.0 - 9.0% of mass 174	3596	5.49 (7.29) ^a	Pass
176	95.0 - 101.0% of mass 174	48307	73.8 (97.9) ^a	Pass
177	5.0 - 9.0% of mass 176	3241	4.95 (6.71) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D3107-CC3076	3D71818.D	04/03/12	10:25	00:41	Continuing cal 20
V3D3107-MB1	3D71820.D	04/03/12	11:25	01:41	Method Blank
V3D3107-BS	3D71821.D	04/03/12	11:53	02:09	Blank Spike
JB2750-3	3D71823.D	04/03/12	13:08	03:24	MWHD6-120327D
ZZZZZZ	3D71825.D	04/03/12	14:13	04:29	(unrelated sample)
JB3077-1	3D71826.D	04/03/12	14:43	04:59	(used for QC only; not part of job JB2750)
ZZZZZZ	3D71827.D	04/03/12	15:11	05:27	(unrelated sample)
ZZZZZZ	3D71828.D	04/03/12	15:39	05:55	(unrelated sample)
ZZZZZZ	3D71829.D	04/03/12	16:07	06:23	(unrelated sample)
JB3077-1MS	3D71830.D	04/03/12	16:34	06:50	Matrix Spike
JB3077-1MSD	3D71831.D	04/03/12	17:02	07:18	Matrix Spike Duplicate
ZZZZZZ	3D71833.D	04/03/12	17:58	08:14	(unrelated sample)
ZZZZZZ	3D71834.D	04/03/12	18:26	08:42	(unrelated sample)
ZZZZZZ	3D71835.D	04/03/12	18:54	09:10	(unrelated sample)
ZZZZZZ	3D71836.D	04/03/12	19:22	09:38	(unrelated sample)
ZZZZZZ	3D71837.D	04/03/12	19:50	10:06	(unrelated sample)
ZZZZZZ	3D71838.D	04/03/12	20:17	10:33	(unrelated sample)
ZZZZZZ	3D71839.D	04/03/12	20:45	11:01	(unrelated sample)
ZZZZZZ	3D71840.D	04/03/12	21:13	11:29	(unrelated sample)
V3D3108-BS	3D71845.D	04/03/12	23:33	13:49	Blank Spike

Volatile Internal Standard Area Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std: V3D3102-CC3076
Lab File ID: 3D71691.D
Instrument ID: GCMS3D
Injection Date: 03/30/12
Injection Time: 21:44
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	113158	7.38	189967	9.61	312912	10.53	262125	13.67	124450	15.98
Upper Limit ^a	226316	7.88	379934	10.11	625824	11.03	524250	14.17	248900	16.48
Lower Limit ^b	56579	6.88	94984	9.11	156456	10.03	131063	13.17	62225	15.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3D3102-MB1	108727	7.38	197496	9.61	315142	10.53	262194	13.67	124950	15.98
V3D3102-BS	110637	7.38	191623	9.61	315670	10.53	264965	13.67	125076	15.98
JB2750-2MS ^c	113258	7.38	200596	9.61	323662	10.53	269999	13.67	126794	15.97
JB2750-2MSD ^c	114906	7.39	207769	9.61	332560	10.53	273908	13.67	128724	15.98
JB2750-2 ^d	113189	7.38	209919	9.61	335179	10.53	274434	13.67	129658	15.98
JB2750-4 ^c	108440	7.38	199786	9.61	321717	10.53	265857	13.67	126436	15.97
JB2750-5 ^e	108140	7.38	199335	9.61	322106	10.53	267652	13.67	125489	15.98
JB2750-6 ^e	107581	7.38	196622	9.61	317830	10.53	266490	13.67	124843	15.98
ZZZZZZ	109587	7.38	198990	9.61	324847	10.53	269632	13.67	124698	15.97
ZZZZZZ	109960	7.38	194635	9.61	316915	10.53	265628	13.67	122495	15.97
ZZZZZZ	107723	7.38	189449	9.61	311114	10.53	261069	13.67	120035	15.98
ZZZZZZ	110385	7.39	190865	9.61	312760	10.53	262234	13.67	122836	15.98
ZZZZZZ	109624	7.38	185555	9.61	305364	10.53	256222	13.67	120469	15.98
ZZZZZZ	107048	7.38	191690	9.61	313610	10.53	262954	13.67	122020	15.97
ZZZZZZ	108139	7.38	191213	9.61	311819	10.53	265014	13.67	122740	15.98
ZZZZZZ	107044	7.38	187905	9.61	308894	10.53	260488	13.67	121591	15.97
ZZZZZZ	107922	7.38	188902	9.61	310408	10.53	258343	13.67	120493	15.97
ZZZZZZ	114821	7.38	187313	9.61	306126	10.53	259623	13.67	120549	15.97
ZZZZZZ	112300	7.38	185683	9.61	305207	10.53	259273	13.67	120926	15.98

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) (pH= 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

(d) (pH= 6)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Sample used for QC purposes only.

(e) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std: V3D3105-CC3076
Lab File ID: 3D71767.D
Instrument ID: GCMS3D
Injection Date: 04/02/12
Injection Time: 09:07
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	135321	7.38	211382	9.61	343933	10.53	280975	13.67	129842	15.97
Upper Limit ^a	270642	7.88	422764	10.11	687866	11.03	561950	14.17	259684	16.47
Lower Limit ^b	67661	6.88	105691	9.11	171967	10.03	140488	13.17	64921	15.47

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3D3105-MB1	118296	7.38	204910	9.61	333495	10.53	276236	13.67	128433	15.97
V3D3105-BS	124345	7.38	200667	9.61	329366	10.53	276661	13.67	128369	15.97
ZZZZZZ	132445	7.38	202356	9.61	331982	10.53	274771	13.67	129384	15.97
ZZZZZZ	115381	7.38	216864	9.61	350335	10.53	283071	13.67	131225	15.98
ZZZZZZ	113153	7.38	211629	9.61	344328	10.53	280796	13.67	129756	15.97
ZZZZZZ	127142	7.38	205443	9.61	333104	10.53	274435	13.67	128149	15.97
JB2358-17	89909	7.38	211053	9.61	342291	10.53	282321	13.67	130232	15.97
ZZZZZZ	113839	7.38	198012	9.61	323477	10.53	269291	13.67	126400	15.97
ZZZZZZ	120016	7.38	196342	9.61	323015	10.53	268862	13.67	124884	15.98
JB2358-17MS	119347	7.38	195827	9.61	322063	10.53	271940	13.67	126394	15.97
JB2358-17MSD	114716	7.39	199467	9.61	328771	10.53	276189	13.67	127841	15.97
ZZZZZZ	115693	7.38	200145	9.61	324534	10.53	271146	13.67	125679	15.97
ZZZZZZ	107204	7.38	194142	9.61	316830	10.53	264974	13.67	123514	15.97
ZZZZZZ	108242	7.38	192451	9.61	317016	10.53	266860	13.67	123727	15.97
JB2750-2 ^c	104037	7.38	187788	9.61	310799	10.53	262049	13.67	122372	15.97
JB2750-1 ^c	109180	7.38	185383	9.61	306132	10.53	258657	13.67	121704	15.97

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) (pH= 5)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Check Std: V3D3107-CC3076
Lab File ID: 3D71818.D
Instrument ID: GCMS3D
Injection Date: 04/03/12
Injection Time: 10:25
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	132775	7.38	217019	9.61	349481	10.53	279849	13.67	127656	15.97
Upper Limit ^a	265550	7.88	434038	10.11	698962	11.03	559698	14.17	255312	16.47
Lower Limit ^b	66388	6.88	108510	9.11	174741	10.03	139925	13.17	63828	15.47

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3D3107-MB1	115717	7.38	209757	9.61	340234	10.53	276488	13.67	127239	15.97
V3D3107-BS	115570	7.38	204204	9.61	337172	10.53	275252	13.67	125429	15.97
JB2750-3 ^c	118700	7.38	207066	9.61	338000	10.53	276550	13.67	127869	15.97
ZZZZZZ	120785	7.38	199097	9.61	325391	10.53	268879	13.67	123648	15.97
JB3077-1	119757	7.38	202457	9.61	332099	10.53	270887	13.67	124078	15.97
ZZZZZZ	113376	7.38	199004	9.61	326510	10.53	272821	13.67	123545	15.97
ZZZZZZ	118800	7.38	196886	9.61	323405	10.53	269606	13.67	122551	15.97
ZZZZZZ	117964	7.38	194429	9.61	322381	10.53	267079	13.67	122387	15.97
JB3077-1MS	116115	7.39	198775	9.61	329452	10.53	270821	13.67	119579	15.97
JB3077-1MSD	116378	7.38	204568	9.61	339236	10.53	276584	13.67	124874	15.97
ZZZZZZ	120479	7.38	209366	9.61	340733	10.53	275673	13.67	126714	15.97
ZZZZZZ	112126	7.38	204303	9.61	334447	10.53	273876	13.67	125961	15.97
ZZZZZZ	111208	7.38	196482	9.61	326319	10.53	265671	13.67	124081	15.97
ZZZZZZ	112131	7.38	195457	9.61	322342	10.53	270178	13.67	123960	15.97
ZZZZZZ	114963	7.38	193919	9.61	320518	10.53	267182	13.67	123030	15.97
ZZZZZZ	110838	7.37	191498	9.61	318449	10.53	265605	13.67	121571	15.97
ZZZZZZ	107324	7.38	190204	9.61	315125	10.53	262985	13.67	120516	15.97
ZZZZZZ	107518	7.38	189207	9.61	313910	10.53	259570	13.67	119296	15.97
V3D3108-BS	112742	7.39	189706	9.61	322394	10.53	269773	13.67	121951	15.97

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) (pH= 7)Sample is not acid preservation per method/client criteria. Sample analyzed within 7 days holding time.

Volatile Surrogate Recovery Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB2750-1	3D71789.D	111.0	117.0	101.0	104.0
JB2750-2	3D71788.D	110.0	117.0	101.0	106.0
JB2750-2	3D71698.D				
JB2750-3	3D71823.D	108.0	116.0	99.0	106.0
JB2750-4	3D71700.D	107.0	112.0	99.0	103.0
JB2750-5	3D71701.D	108.0	112.0	99.0	104.0
JB2750-6	3D71702.D	108.0	113.0	99.0	104.0
JB2358-17MS	3D71781.D	111.0	118.0	102.0	107.0
JB2358-17MSD	3D71782.D	111.0	118.0	101.0	106.0
JB2750-2MS	3D71695.D	108.0	113.0	99.0	105.0
JB2750-2MSD	3D71696.D	108.0	111.0	98.0	104.0
JB3077-1MS	3D71830.D	111.0	118.0	100.0	111.0
JB3077-1MSD	3D71831.D	112.0	118.0	99.0	109.0
V3D3102-BS	3D71694.D	110.0	116.0	99.0	104.0
V3D3102-MB1	3D71693.D	106.0	112.0	99.0	103.0
V3D3105-BS	3D71770.D	110.0	116.0	100.0	106.0
V3D3105-MB1	3D71769.D	109.0	114.0	98.0	106.0
V3D3107-BS	3D71821.D	110.0	116.0	100.0	108.0
V3D3107-MB1	3D71820.D	108.0	114.0	98.0	107.0

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

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Initial Calibration Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICC3076
Lab FileID: 3D71164.D

Response Factor Report MS3D

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration

Calibration Files

5 =3D71158.D 0.5 =3D71161.D 2 =3D71159.D 50 =3D71164.D
100 =3D71165.D 1 =3D71160.D 200 =3D71166.D 20 =3D71163.D
10 =3D71162.D =

Compound	5	0.5	2	50	100	1	200	20	10	Avg	%RSD
1) I Tert Butyl Alcohol-d9 -----ISTD-----											
2) 1,4-dioxane	0.080		0.079	0.092	0.088	0.083	0.089	0.092	0.094	0.087	6.54
3) tertiary butyl alcohol	0.994	1.240	1.070	1.026	0.981	1.069	0.963	1.026	1.062	1.048	7.81
4) I pentafluorobenzene -----ISTD-----											
5) chlorodifluoromethane	0.515		0.513	0.583	0.580	0.507	0.594	0.537	0.443	0.534	9.51
6) dichlorodifluoromethane	0.620	0.570	0.682	0.745	0.759	0.668		0.714	0.666	0.678	9.26
7) chloromethane	0.789	1.008	0.911	0.889	0.894	0.882	0.840	0.867	0.825	0.879	7.06
8) vinyl chloride	0.696	0.826	0.781	0.805	0.816	0.721	0.790	0.767	0.734	0.771	5.84
9) bromomethane	0.450	0.524	0.455	0.462	0.431	0.478	0.326	0.460	0.462	0.450	11.77
10) chloroethane	0.368	0.406	0.399	0.385	0.384	0.403	0.346	0.382	0.364	0.382	5.20
11) vinyl bromide										0.000#	-1.00
12) trichlorofluoromethane	0.667	0.649	0.734	0.764	0.775	0.690	0.755	0.744	0.687	0.718	6.39
13) pentane	1.037	1.206	1.086	1.170	1.150	1.334	1.167	1.142	0.837	1.125	12.05
14) ethyl ether	0.253		0.306	0.268	0.267	0.302	0.272	0.262	0.252	0.273	7.44
15) acrolein	0.107		0.115	0.114		0.115		0.112	0.107	0.112	3.47
16) 1,1-dichloroethene	0.446		0.453	0.435	0.446	0.481	0.467	0.419	0.328	0.435	10.80
17) acetone	0.079			0.060	0.050		0.046	0.065	0.059	0.060	19.36
----- Linear regression ----- Coefficient = 0.9950											
Response Ratio = 0.00721 + 0.04510 *A											
18) allyl chloride	0.263	0.253	0.249	0.275	0.274	0.224	0.285	0.271	0.214	0.257	9.46
19) acetonitrile	0.053	0.044	0.053	0.052	0.050	0.047	0.049	0.051	0.050	0.050	5.75
20) iodomethane	0.784	0.830	0.788	0.838	0.854	0.693	0.875	0.815	0.687	0.796	8.40
21) iso-butyl alcohol	0.019			0.019	0.018		0.018	0.018	0.018	0.018	2.76

Initial Calibration Summary

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICC3076
Lab FileID: 3D71164.D

22)	carbon disulfide	1.557	1.662	1.572	1.645	1.693	1.425	1.758	1.602	1.245	1.573	9.86
23)	methylene chloride	0.500		0.538	0.516	0.518	0.547	0.530	0.515	0.452	0.514	5.68
24)	methyl acetate	0.094		0.084	0.094	0.090	0.082	0.091	0.091	0.091	0.089	4.80
25)	methyl tert butyl ether	1.428		1.454	1.473	1.459	1.578	1.456	1.453	1.384	1.461	3.74
26)	trans-1,2-dichloroethene	0.452		0.502	0.466	0.468	0.452	0.482	0.454	0.389	0.458	7.16
27)	di-isopropyl ether	1.650	1.999	1.616	1.743	1.714	1.590	1.724	1.706	1.566	1.701	7.55
28)	ethyl tert-butyl ether	1.537	1.690	1.499	1.664	1.642	1.442	1.652	1.618	1.508	1.583	5.58
29)	2-butanone	0.067		0.060	0.064	0.059		0.057	0.065	0.059	0.062	5.75
30)	1,1-dichloroethane	0.811	0.966	0.798	0.854	0.867	0.747	0.884	0.839	0.701	0.830	9.35
31)	chloroprene	0.634		0.614	0.701	0.693		0.720	0.658	0.530	0.650	9.99
32)	acrylonitrile	0.206	0.217	0.211	0.213	0.207	0.192	0.202	0.210	0.202	0.207	3.52
33)	vinyl acetate	0.069		0.071	0.079	0.077		0.078	0.076	0.074	0.075	4.88
34)	ethyl acetate	0.082			0.077	0.073		0.071	0.074	0.076	0.075	4.79
35)	2,2-dichloropropane	0.677		0.689	0.689	0.691	0.669	0.682	0.670	0.543	0.664	7.46
36)	cis-1,2-dichloroethene	0.538		0.508	0.504	0.512	0.490	0.521	0.517	0.440	0.504	5.79
37)	propionitrile	0.079	0.076	0.078	0.080	0.077	0.071	0.076	0.079	0.075	0.077	3.46
38)	methyl acrylate	0.435		0.459	0.449	0.445	0.459	0.447	0.433	0.419	0.443	3.02
39)	bromochloromethane	0.247	0.232	0.238	0.255	0.257	0.219	0.262	0.255	0.224	0.243	6.32
40)	tetrahydrofuran	0.228			0.193	0.185		0.182	0.196	0.203	0.198	8.42
41)	chloroform	0.769	0.890	0.774	0.795	0.802	0.692	0.826	0.785	0.680	0.779	8.22
42)	Tert-Butyl Formate	0.515	0.570	0.470	0.540	0.528	0.458	0.527	0.523	0.487	0.513	6.90
43)	dibromofluoromethane (s)	0.392	0.369	0.407	0.436	0.434	0.398	0.442	0.423	0.372	0.408	6.68
44)	1,2-dichloroethane-d4 (s)	0.444	0.420	0.458	0.475	0.466	0.474	0.467	0.466	0.435	0.456	4.13
45)	freon 113	0.338	0.309	0.311	0.374	0.370	0.257	0.369	0.339	0.272	0.327	13.09
46)	methacrylonitrile	0.337	0.319	0.387	0.331	0.322	0.395	0.321	0.327	0.317	0.340	8.82
47)	1,1,1-trichloroethane	0.645		0.639	0.680	0.695	0.592	0.710	0.654	0.514	0.641	9.87
48)	tert amyl alcohol										0.000#	-1.00
49)	2,2,4-Trimethylpentane	1.547	1.664	1.547	1.914	1.901	1.363	1.885	1.739	1.475	1.671	12.08
50)	tert-amyl methyl ether	1.431	1.595	1.389	1.523	1.493	1.512	1.494	1.473	1.396	1.478	4.43

51) I 1,4-difluorobenzene -----ISTD-----

Initial Calibration Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICC3076
Lab FileID: 3D71164.D

52)	epichlorohydrin	0.035	0.039	0.034	0.035	0.033	0.037	0.033	0.034	0.034	0.035	5.12
53)	n-butyl alcohol	0.010	0.010	0.012	0.010	0.010	0.010	0.010	0.010	0.010	0.010	5.96
54)	cyclohexane	0.440	0.463	0.452	0.472	0.481	0.398	0.485	0.454	0.350	0.444	9.87
55)	carbon tetrachloride	0.369	0.361	0.368	0.398	0.402	0.301	0.414	0.381	0.291	0.365	11.73
56)	1,1-dichloropropene	0.390		0.400	0.401	0.406	0.365	0.422	0.387	0.304	0.384	9.45
57)	hexane	0.388		0.406	0.424	0.413	0.386	0.419	0.398	0.321	0.394	8.31
58)	benzene	1.156	1.413	1.192	1.205	1.213	1.135	1.246	1.184	1.005	1.194	8.99
59)	heptane	0.204	0.233	0.199	0.233	0.226	0.186	0.231	0.214	0.176	0.211	10.02
60)	isopropyl acetate	0.800	0.979	0.769	0.883	0.821	0.749	0.824	0.812	0.797	0.826	8.28
61)	1,2-dichloroethane	0.369	0.386	0.375	0.385	0.382	0.344	0.387	0.387	0.359	0.375	3.97
62)	trichloroethene	0.275	0.336	0.274	0.291	0.297	0.257	0.313	0.280	0.232	0.284	10.66
63)	tert amyl ethyl ether										0.000#	-1.00
64)	2-nitropropane	0.006		0.006	0.006		0.006	0.006	0.006	0.006	0.006#	1.96
65)	2-chloroethyl vinyl ether	0.193	0.196	0.183	0.207	0.199	0.182	0.199	0.200	0.194	0.195	4.24
66)	methyl methacrylate	0.511		0.521	0.491	0.480	0.564	0.489	0.475	0.470	0.500	6.25
67)	1,2-dichloropropane	0.294	0.329	0.301	0.314	0.314	0.285	0.325	0.309	0.276	0.305	5.86
68)	methylcyclohexane	0.491	0.518	0.503	0.551	0.542	0.432	0.553	0.512	0.409	0.501	10.14
69)	dibromomethane	0.184	0.192	0.195	0.198	0.196	0.173	0.202	0.194	0.184	0.191	4.60
70)	bromodichloromethane	0.368	0.385	0.376	0.394	0.400	0.335	0.415	0.382	0.343	0.377	6.80
71)	cis-1,3-dichloropropene	0.469	0.507	0.479	0.490	0.498	0.444	0.514	0.485	0.441	0.481	5.37
72)	toluene-d8 (s)	0.902	0.922	0.945	0.989	0.988	0.962	1.023	0.960	0.820	0.946	6.29
73)	4-methyl-2-pentanone	0.128	0.101	0.124	0.129	0.126	0.110	0.129	0.126	0.119	0.121	8.09
74)	toluene	0.642	0.725	0.640	0.686	0.692	0.627	0.724	0.666	0.558	0.662	7.95
75)	3-methyl-1-butanol	0.008	0.008	0.009	0.009	0.008	0.008	0.009	0.008	0.008	0.008#	3.38
76)	trans-1,3-dichloropropene	0.421	0.462	0.436	0.442	0.444	0.409	0.453	0.439	0.400	0.434	4.69
77)	ethyl methacrylate	0.373	0.368	0.366	0.387	0.381	0.371	0.394	0.379	0.357	0.375	3.03
78)	1,1,2-trichloroethane	0.218	0.243	0.221	0.229	0.227	0.220	0.235	0.223	0.209	0.225	4.44
79)	2-hexanone	0.140		0.122	0.120	0.112	0.106	0.115	0.123	0.112	0.119	8.64
80)	I chlorobenzene-d5	-----ISTD-----										
81)	tetrachloroethene	0.328	0.358	0.345	0.351	0.359	0.324	0.368	0.338	0.268	0.338	8.84

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Initial Calibration Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICC3076
Lab FileID: 3D71164.D

82)	1,3-dichloropropane	0.485	0.529	0.503	0.498	0.494	0.464	0.490	0.492	0.463	0.491	4.07
83)	butyl acetate	0.249	0.258	0.295	0.241	0.228	0.253	0.230	0.239	0.237	0.248	8.23
84)	3,3-Dimethyl-1-Butanol	0.039	0.044	0.042	0.039	0.037	0.040	0.039	0.037	0.036	0.039	5.94
85)	dibromochloromethane	0.346	0.353	0.357	0.375	0.383	0.328	0.389	0.369	0.334	0.359	5.91
86)	1,2-dibromoethane	0.324	0.319	0.332	0.337	0.334	0.307	0.334	0.332	0.309	0.325	3.48
87)	n-Butyl Ether										0.000#	-1.00
88)	chlorobenzene	0.828	0.904	0.861	0.868	0.883	0.783	0.900	0.855	0.741	0.847	6.44
89)	1,1,1,2-tetrachloroethane	0.315	0.328	0.342	0.338	0.344	0.293	0.344	0.333	0.293	0.325	6.37
90)	ethylbenzene	1.425	1.688	1.453	1.477	1.489	1.349	1.519	1.445	1.198	1.449	9.06
91)	m,p-xylene	0.532		0.548	0.561	0.564	0.518	0.575	0.552	0.457	0.539	6.97
92)	o-xylene	0.537		0.550	0.570	0.571	0.499	0.583	0.562	0.475	0.543	7.01
93)	styrene	0.896	1.001	0.916	0.952	0.968	0.826	0.991	0.930	0.807	0.921	7.40
94)	Butyl Acrylate										0.000#	-1.00
95)	bromoform	0.256	0.259	0.261	0.270	0.275	0.241	0.282	0.261	0.245	0.261	5.08
96)	I 1,4-dichlorobenzene-d	-----ISTD-----										
97)	isopropylbenzene	2.665	2.974	2.719	2.889	2.859	2.430	2.938	2.754	2.231	2.718	9.08
98)	4-bromofluorobenzene (s)	0.783	0.924	0.862	0.840	0.820	0.873	0.840	0.811	0.740	0.833	6.40
99)	bromobenzene	0.723	0.845	0.777	0.753	0.757	0.623	0.770	0.743	0.658	0.739	8.88
100)	cyclohexanone	0.140	0.112	0.139	0.119	0.097	0.116		0.127	0.114	0.121	11.81
101)	1,1,1,2-tetrachloroethane	0.901	1.046	0.962	0.916	0.878	0.832	0.878	0.896	0.857	0.907	6.99
102)	trans-1,4-dichloro-2-butene	0.230	0.256	0.248	0.237	0.230	0.206	0.232	0.232	0.223	0.233	6.06
103)	1,2,3-trichloropropane	0.197	0.159	0.203	0.201	0.194	0.177	0.187	0.195	0.190	0.189	7.33
104)	n-propylbenzene	3.169		3.377	3.370	3.331	3.100	3.397	3.273	2.720	3.217	7.05
105)	4-Ethyltoluene										0.000#	-1.00
106)	2-chlorotoluene	0.633	0.767	0.667	0.684	0.679	0.647	0.687	0.669	0.560	0.666	8.16
107)	4-chlorotoluene	0.657	0.824	0.690	0.692	0.686	0.624	0.715	0.667	0.578	0.681	9.90
108)	1,3,5-trimethylbenzene	2.201	2.566	2.225	2.404	2.427	2.050	2.466	2.311	1.909	2.284	9.21
109)	tert-butylbenzene	1.859		1.887	2.050	2.074	1.723	2.120	1.934	1.563	1.901	9.92
110)	pentachloroethane	0.388		0.385	0.448	0.460		0.466	0.419	0.362	0.418	9.83
111)	1,2,4-trimethylbenzene	2.236	2.479	2.253	2.402	2.417	2.084	2.483	2.322	1.980	2.295	7.63

5.7.1
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Initial Calibration Summary

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICC3076
Lab FileID: 3D71164.D

112)	sec-butylbenzene	2.836	3.358	2.931	3.172	3.182	2.661	3.254	2.994	2.461	2.983	9.84
113)	1,3-dichlorobenzene	1.307	1.573	1.354	1.415	1.423	1.270	1.473	1.385	1.219	1.380	7.82
114)	p-isopropyltoluene	2.382		2.478	2.564	2.575	2.350	2.619	2.434	2.029	2.429	7.73
115)	1,4-dichlorobenzene	1.352	1.630	1.423	1.456	1.470	1.342	1.505	1.424	1.271	1.430	7.29
116)	1,2-dichlorobenzene	1.384	1.660	1.433	1.451	1.463	1.301	1.474	1.416	1.261	1.427	7.97
117)	1,4-Diethylbenzene										0.000#	-1.00
118)	n-butylbenzene	1.254	1.482	1.361	1.394	1.412	1.219	1.454	1.318	1.127	1.336	8.75
119)	1,2,4,5-Tetramethylbenzene										0.000#	-1.00
120)	1,2-dibromo-3-chloropropane	0.190		0.167	0.162		0.157	0.172	0.157		0.168	7.54
121)	1,3,5-trichlorobenzene	1.174	1.401	1.201	1.246	1.280	1.084	1.238	1.197	1.057	1.209	8.49
122)	1,2,4-trichlorobenzene	1.096	1.335	1.189	1.206	1.217	1.102	1.152	1.139	1.031	1.163	7.55
123)	hexachlorobutadiene	0.508		0.563	0.589	0.601	0.530	0.581	0.554	0.483	0.551	7.50
124)	naphthalene	2.628	3.003	2.902	2.885	2.785	2.534	2.600	2.756	2.560	2.739	6.13
125)	1,2,3-trichlorobenzene	0.995	1.270	1.130	1.117	1.099	0.971	1.033	1.060	0.973	1.072	8.90
126)	hexachloroethane	0.387		0.528	0.561		0.577	0.468	0.348		0.478	19.76
	----- Linear regression -----										Coefficient =	0.9998
	Response Ratio =	-0.04314										+ 0.58601 *A
127)	Benzyl chloride	1.812	2.172	1.869	1.876	1.789	1.815	1.796	1.818	1.778	1.858	6.57

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3D3076.M

Mon Mar 19 14:59:01 2012

ACCNJ

Initial Calibration Verification

Page 1 of 3

Job Number: JB2750
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
 Lab FileID: 3D71170.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D\v3d3076final\3D71170.D Vial: 14
 Acq On : 16 Mar 2012 3:26 pm Operator: natet
 Sample : ICV3076-50 Inst : MS3D
 Misc : MS26847,V3D3076,5,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
 Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 Last Update : Mon Mar 19 13:32:47 2012
 Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	105	0.00	7.40
2	1,4-dioxane	0.087	0.089	-2.3	102	0.00	11.27
3 M	tertiary butyl alcohol	1.048	1.077	-2.8	110	-0.01	7.51
4 I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	9.61
5	chlorodifluoromethane	0.534	0.448	16.1	82	0.00	3.92
6	dichlorodifluoromethane	0.678	0.547	19.3	78	0.00	3.89
7	chloromethane	0.879	0.776	11.7	93	0.00	4.27
8	vinyl chloride	0.771	0.724	6.1	95	0.00	4.53
9	bromomethane	0.450	0.444	1.3	102	0.00	5.20
10	chloroethane	0.382	0.372	2.6	102	0.00	5.37
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	0.718	0.714	0.6	99	0.00	5.83
14	ethyl ether	0.273	0.268	1.8	106	0.00	6.24
15	acrolein	0.112	0.124	-10.7	116	0.00	6.54
16	1,1-dichloroethene	0.435	0.412	5.3	100	0.00	6.67
----- True Calc. % Drift -----							
17	acetone	50.000	59.097	-18.2	106	0.00	6.76
----- AvgRF CCRF % Dev -----							
18	allyl chloride	0.257	0.272	-5.8	105	0.00	7.23
19	acetonitrile	0.050	0.050	0.0	101	0.00	7.24
20	iodomethane	0.796	0.795	0.1	101	0.00	6.98
21	iso-butyl alcohol	0.018	0.019	-5.6	107	0.00	9.93
22	carbon disulfide	1.573	1.537	2.3	99	0.00	7.09
23	methylene chloride	0.514	0.504	1.9	104	-0.01	7.43
24	methyl acetate	0.089	0.083	6.7	94	-0.01	7.21
25	methyl tert butyl ether	1.461	1.489	-1.9	108	0.00	7.72
26	trans-1,2-dichloroethene	0.458	0.453	1.1	103	0.00	7.79
27	di-isopropyl ether	1.701	1.762	-3.6	107	0.00	8.31
28	ethyl tert-butyl ether	1.583	1.672	-5.6	107	0.00	8.78
29	2-butanone	0.062	0.063	-1.6	106	-0.01	9.08
30 M	1,1-dichloroethane	0.830	0.866	-4.3	108	0.00	8.37
31	chloroprene	0.650	0.678	-4.3	103	0.00	8.46
32	acrylonitrile	0.207	0.211	-1.9	105	0.00	7.79
33	vinyl acetate	0.075	0.090	-20.0	120	0.00	8.35
34	ethyl acetate	0.075	0.076	-1.3	105	0.00	9.08
35	2,2-dichloropropane	0.664	0.691	-4.1	106	0.00	9.11
36	cis-1,2-dichloroethene	0.504	0.511	-1.4	108	0.00	9.11
37	propionitrile	0.077	0.081	-5.2	108	0.00	9.22
38	methyl acrylate	0.443	0.462	-4.3	109	0.00	9.17

Initial Calibration Verification

Job Number: JB2750
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
 Lab FileID: 3D71170.D

39	bromochloromethane	0.243	0.255	-4.9	106	0.00	9.44
40	tetrahydrofuran	0.198	0.197	0.5	109	0.00	9.45
41	chloroform	0.779	0.814	-4.5	109	0.00	9.49
42	Tert-Butyl Formate	0.513	0.529	-3.1	104	0.00	9.50
43 S	dibromofluoromethane (s)	0.408	0.401	1.7	98	0.00	9.69
44 S	1,2-dichloroethane-d4 (s)	0.456	0.435	4.6	97	0.00	10.11
45	freon 113	0.327	0.352	-7.6	100	0.00	6.63
46	methacrylonitrile	0.340	0.338	0.6	108	0.00	9.39
47	1,1,1-trichloroethane	0.641	0.676	-5.5	105	0.00	9.72
48	tert amyl alcohol	-----NA-----					
49	2,2,4-Trimethylpentane	1.671	1.678	-0.4	93	0.00	10.12
50	tert-amyl methyl ether	1.478	1.569	-6.2	109	0.00	10.17
51 I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.54
52	epichlorohydrin	0.035	0.036	-2.9	109	0.00	11.82
53	n-butyl alcohol	0.010	0.011	-10.0	109	0.00	10.68
54 M	cyclohexane	0.444	0.435	2.0	98	0.00	9.77
55	carbon tetrachloride	0.365	0.398	-9.0	106	0.00	9.91
56	1,1-dichloropropene	0.384	0.401	-4.4	106	0.00	9.89
57	hexane	0.394	0.379	3.8	95	0.00	8.05
58 M	benzene	1.194	1.222	-2.3	108	0.00	10.17
59	heptane	0.211	0.215	-1.9	98	0.00	10.29
60	isopropyl acetate	0.826	0.909	-10.0	109	0.00	10.08
61	1,2-dichloroethane	0.375	0.389	-3.7	108	0.00	10.20
62	trichloroethene	0.284	0.304	-7.0	111	0.00	10.87
63	tert amyl ethyl ether	-----NA-----					
64	2-nitropropane	0.006	0.006#	0.0	104	0.00	11.68
65	2-chloroethyl vinyl ether	0.195	0.204	-4.6	105	0.00	11.67
66	methyl methacrylate	0.500	0.499	0.2	108	0.00	11.14
67	1,2-dichloropropane	0.305	0.323	-5.9	109	0.00	11.16
68	methylcyclohexane	0.501	0.519	-3.6	100	0.00	11.06
69	dibromomethane	0.191	0.204	-6.8	110	0.00	11.33
70	bromodichloromethane	0.377	0.407	-8.0	110	0.00	11.45
71	cis-1,3-dichloropropene	0.481	0.484	-0.6	105	0.00	11.89
72 S	toluene-d8 (s)	0.946	0.913	3.5	98	0.00	12.16
73	4-methyl-2-pentanone	0.121	0.138	-14.0	113	0.00	11.99
74	toluene	0.662	0.690	-4.2	107	0.00	12.24
75	3-methyl-1-butanol	0.008	0.009#	-12.5	108	0.00	12.01
76	trans-1,3-dichloropropene	0.434	0.439	-1.2	106	0.00	12.45
77	ethyl methacrylate	0.375	0.390	-4.0	107	0.00	12.42
78	1,1,2-trichloroethane	0.225	0.231	-2.7	107	0.00	12.67
79	2-hexanone	0.119	0.119	0.0	105	0.00	12.83
80 I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	13.67
81	tetrachloroethene	0.338	0.366	-8.3	108	0.00	12.81
82	1,3-dichloropropane	0.491	0.509	-3.7	106	0.00	12.86
83	butyl acetate	0.248	0.250	-0.8	107	0.00	12.89
84	3,3-Dimethyl-1-Butanol	0.039	0.040	-2.6	106	0.00	13.00
85	dibromochloromethane	0.359	0.388	-8.1	107	0.00	13.12
86	1,2-dibromoethane	0.325	0.340	-4.6	105	0.00	13.27
87	n-Butyl Ether	-----NA-----					
88	chlorobenzene	0.847	0.901	-6.4	108	0.00	13.71
89	1,1,1,2-tetrachloroethane	0.325	0.366	-12.6	112	0.00	13.77
90	ethylbenzene	1.449	1.543	-6.5	108	0.00	13.75
91	m,p-xylene	0.539	0.587	-8.9	108	0.00	13.85
92	o-xylene	0.543	0.610	-12.3	111	0.00	14.27
93	styrene	0.921	0.991	-7.6	108	0.00	14.29
94	Butyl Acrylate	-----NA-----					
95	bromoform	0.261	0.281	-7.7	108	0.00	14.58

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Initial Calibration Verification

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Job Number: JB2750
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
 Lab FileID: 3D71170.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.98
97		isopropylbenzene	2.718	3.069	-12.9	110	0.00	14.61
98	S	4-bromofluorobenzene (s)	0.833	0.790	5.2	98	0.00	14.83
99		bromobenzene	0.739	0.787	-6.5	108	0.00	15.02
100		cyclohexanone	0.121	0.125	-3.3	108	0.00	14.82
101		1,1,2,2-tetrachloroethane	0.907	0.924	-1.9	105	0.00	14.95
102		trans-1,4-dichloro-2-bute	0.233	0.244	-4.7	107	0.00	14.99
103		1,2,3-trichloropropane	0.189	0.211	-11.6	109	0.00	15.02
104		n-propylbenzene	3.217	3.605	-12.1	111	0.00	15.02
105		4-Ethyltoluene			-----NA-----			
106		2-chlorotoluene	0.666	0.720	-8.1	109	0.00	15.17
107		4-chlorotoluene	0.681	0.711	-4.4	107	0.00	15.27
108		1,3,5-trimethylbenzene	2.284	2.553	-11.8	110	0.00	15.16
109		tert-butylbenzene	1.901	2.145	-12.8	109	0.00	15.51
110		pentachloroethane	0.418	0.488	-16.7	113	0.00	15.61
111		1,2,4-trimethylbenzene	2.295	2.589	-12.8	112	0.00	15.56
112		sec-butylbenzene	2.983	3.278	-9.9	107	0.00	15.72
113		1,3-dichlorobenzene	1.380	1.483	-7.5	109	0.00	15.92
114		p-isopropyltoluene	2.429	2.748	-13.1	111	0.00	15.83
115		1,4-dichlorobenzene	1.430	1.506	-5.3	107	0.00	16.00
116		1,2-dichlorobenzene	1.427	1.520	-6.5	109	0.00	16.38
117		1,4-Diethylbenzene			-----NA-----			
118		n-butylbenzene	1.336	1.470	-10.0	109	0.00	16.24
119		1,2,4,5-Tetramethylbenzen			-----NA-----			
120		1,2-dibromo-3-chloropropa	0.168	0.178	-6.0	110	0.00	17.12
121		1,3,5-trichlorobenzene	1.209	1.328	-9.8	111	0.00	17.27
122		1,2,4-trichlorobenzene	1.163	1.294	-11.3	111	0.00	17.85
123		hexachlorobutadiene	0.551	0.593	-7.6	105	0.00	17.94
124		naphthalene	2.739	2.993	-9.3	108	0.00	18.12
125		1,2,3-trichlorobenzene	1.072	1.159	-8.1	108	0.00	18.35
----- True Calc. % Drift -----								
126		hexachloroethane	50.000	51.187	-2.4	110	0.00	16.62
----- AvgRF CCRF % Dev -----								
127		Benzyl chloride	1.858	1.987	-6.9	110	0.00	16.12

(#) = Out of Range
 3D71164.D M3D3076.M

SPCC's out = 0 CCC's out = 0
 Mon Mar 19 14:52:47 2012 ACCNJ

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Initial Calibration Verification

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
Lab FileID: 3D71171.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D\v3d3076final\3D71171.D Vial: 15
Acq On : 16 Mar 2012 4:26 pm Operator: natet
Sample : ICV3076-50 Inst : MS3D
Misc : MS26847,V3D3076,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Mon Mar 19 13:32:47 2012
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	110	-0.02	7.38
2	1,4-dioxane		-----NA-----				
3 M	tertiary butyl alcohol		-----NA-----				
4 I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.61
5	chlorodifluoromethane		-----NA-----				
6	dichlorodifluoromethane		-----NA-----				
7	chloromethane		-----NA-----				
8	vinyl chloride		-----NA-----				
9	bromomethane		-----NA-----				
10	chloroethane		-----NA-----				
11	vinyl bromide		-----NA-----				
12	trichlorofluoromethane		-----NA-----				
13	pentane	1.125	0.854	24.1#	80	-0.01	5.89
14	ethyl ether		-----NA-----				
15	acrolein		-----NA-----				
16	1,1-dichloroethene		-----NA-----				
	----- True		Calc.	% Drift			
17	acetone		-----NA-----				
	----- AvgRF		CCRF	% Dev			
18	allyl chloride		-----NA-----				
19	acetonitrile		-----NA-----				
20	iodomethane		-----NA-----				
21	iso-butyl alcohol		-----NA-----				
22	carbon disulfide		-----NA-----				
23	methylene chloride		-----NA-----				
24	methyl acetate		-----NA-----				
25	methyl tert butyl ether		-----NA-----				
26	trans-1,2-dichloroethene		-----NA-----				
27	di-isopropyl ether		-----NA-----				
28	ethyl tert-butyl ether		-----NA-----				
29	2-butanone		-----NA-----				
30 M	1,1-dichloroethane		-----NA-----				
31	chloroprene		-----NA-----				
32	acrylonitrile		-----NA-----				
33	vinyl acetate		-----NA-----				
34	ethyl acetate		-----NA-----				
35	2,2-dichloropropane		-----NA-----				
36	cis-1,2-dichloroethene		-----NA-----				
37	propionitrile		-----NA-----				

Initial Calibration Verification

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Job Number: JB2750
 Account: ENVIRON Environ Corporation
 Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
 Lab FileID: 3D71171.D

38	methyl acrylate							
39	bromochloromethane							
40	tetrahydrofuran							
41	chloroform							
42	Tert-Butyl Formate							
43 S	dibromofluoromethane (s)	0.408	0.473	-15.9	118	0.00	9.69	
44 S	1,2-dichloroethane-d4 (s)	0.456	0.507	-11.2	116	-0.01	10.11	
45	freon 113							
46	methacrylonitrile							
47	1,1,1-trichloroethane							
48	tert amyl alcohol							
49	2,2,4-Trimethylpentane							
50	tert-amyl methyl ether							
51 I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.53	
52	epichlorohydrin							
53	n-butyl alcohol							
54 M	cyclohexane							
55	carbon tetrachloride							
56	1,1-dichloropropene							
57	hexane							
58 M	benzene							
59	heptane							
60	isopropyl acetate							
61	1,2-dichloroethane							
62	trichloroethene							
63	tert amyl ethyl ether							
64	2-nitropropane							
65	2-chloroethyl vinyl ether							
66	methyl methacrylate							
67	1,2-dichloropropane							
68	methylcyclohexane							
69	dibromomethane							
70	bromodichloromethane							
71	cis-1,3-dichloropropene							
72 S	toluene-d8 (s)	0.946	1.056	-11.6	113	0.00	12.16	
73	4-methyl-2-pentanone							
74	toluene							
75	3-methyl-1-butanol							
76	trans-1,3-dichloropropene							
77	ethyl methacrylate							
78	1,1,2-trichloroethane							
79	2-hexanone							
80 I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	13.67	
81	tetrachloroethene							
82	1,3-dichloropropane							
83	butyl acetate							
84	3,3-Dimethyl-1-Butanol							
85	dibromochloromethane							
86	1,2-dibromoethane							
87	n-Butyl Ether							
88	chlorobenzene							
89	1,1,1,2-tetrachloroethane							
90	ethylbenzene							
91	m,p-xylene							
92	o-xylene							
93	styrene							
94	Butyl Acrylate							
95	bromoform							

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Initial Calibration Verification

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Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3076-ICV3076
Lab FileID: 3D71171.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	15.98
97		isopropylbenzene		-----NA-----				
98	S	4-bromofluorobenzene (s)	0.833	0.904	-8.5	114	0.00	14.83
99		bromobenzene		-----NA-----				
100		cyclohexanone		-----NA-----				
101		1,1,2,2-tetrachloroethane		-----NA-----				
102		trans-1,4-dichloro-2-bute		-----NA-----				
103		1,2,3-trichloropropane		-----NA-----				
104		n-propylbenzene		-----NA-----				
105		4-Ethyltoluene		-----NA-----				
106		2-chlorotoluene		-----NA-----				
107		4-chlorotoluene		-----NA-----				
108		1,3,5-trimethylbenzene		-----NA-----				
109		tert-butylbenzene		-----NA-----				
110		pentachloroethane		-----NA-----				
111		1,2,4-trimethylbenzene		-----NA-----				
112		sec-butylbenzene		-----NA-----				
113		1,3-dichlorobenzene		-----NA-----				
114		p-isopropyltoluene		-----NA-----				
115		1,4-dichlorobenzene		-----NA-----				
116		1,2-dichlorobenzene		-----NA-----				
117		1,4-Diethylbenzene		-----NA-----				
118		n-butylbenzene		-----NA-----				
119		1,2,4,5-Tetramethylbenzen		-----NA-----				
120		1,2-dibromo-3-chloropropa		-----NA-----				
121		1,3,5-trichlorobenzene		-----NA-----				
122		1,2,4-trichlorobenzene		-----NA-----				
123		hexachlorobutadiene		-----NA-----				
124		naphthalene		-----NA-----				
125		1,2,3-trichlorobenzene		-----NA-----				
			----- True	Calc.	% Drift	-----		
126		hexachloroethane		-----NA-----				
			----- AvgRF	CCRF	% Dev	-----		
127		Benzyl chloride		-----NA-----				

(#) = Out of Range
3D71164.D M3D3076.M

SPCC's out = 0 CCC's out = 0
Mon Mar 19 14:54:03 2012 ACCNJ

5.7.3
5

Continuing Calibration Summary

Page 1 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3102-CC3076
Lab FileID: 3D71691.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D\V3D3102\3D71691.D Vial: 27
Acq On : 30 Mar 2012 9:44 pm Operator: natet
Sample : CC3076-50 Inst : MS3D
Misc : MS27613,V3D3102,W,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Mon Mar 19 13:32:47 2012
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	91	-0.02	7.38
2	1,4-dioxane	0.087	0.083	4.6	82	-0.01	11.26
3 M	tertiary butyl alcohol	1.048	0.979	6.6	87	-0.02	7.50
4 I	pentafluorobenzene	1.000	1.000	0.0	93	0.00	9.61
5	chlorodifluoromethane	0.534	0.737	-38.0#	118	-0.01	3.91
6	dichlorodifluoromethane	0.678	0.772	-13.9	97	-0.02	3.87
7	chloromethane	0.879	0.896	-1.9	94	-0.01	4.26
8	vinyl chloride	0.771	0.851	-10.4	99	-0.01	4.52
9	bromomethane	0.450	0.476	-5.8	96	0.00	5.19
10	chloroethane	0.382	0.415	-8.6	101	-0.01	5.36
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	0.718	0.828	-15.3	101	-0.02	5.81
13	pentane	1.125	0.532	52.7#	42#	-0.01	5.89
14	ethyl ether	0.273	0.285	-4.4	99	-0.01	6.23
15	acrolein	0.112	0.094	16.1	77	-0.02	6.53
16	1,1-dichloroethene	0.435	0.471	-8.3	101	-0.01	6.67
----- True		Calc.	% Drift	-----			
17	acetone	50.000	42.092	15.8	70	-0.01	6.75
----- AvgRF		CCRF	% Dev	-----			
18	allyl chloride	0.257	0.298	-16.0	101	-0.01	7.22
19	acetonitrile	0.050	0.049	2.0	87	-0.02	7.23
20	iodomethane	0.796	0.888	-11.6	99	-0.02	6.97
21	iso-butyl alcohol	0.018	0.018	0.0	88	-0.02	9.92
22	carbon disulfide	1.573	1.789	-13.7	101	-0.02	7.08
23	methylene chloride	0.514	0.568	-10.5	103	-0.02	7.42
24	methyl acetate	0.089	0.093	-4.5	93	-0.02	7.20
25	methyl tert butyl ether	1.461	1.548	-6.0	98	-0.02	7.71
26	trans-1,2-dichloroethene	0.458	0.507	-10.7	101	-0.01	7.78
27	di-isopropyl ether	1.701	1.833	-7.8	98	-0.01	8.30
28	ethyl tert-butyl ether	1.583	1.803	-13.9	101	-0.02	8.77
29	2-butanone	0.062	0.056	9.7	83	-0.02	9.08
30 M	1,1-dichloroethane	0.830	1.004	-21.0#	110	-0.01	8.37
31	chloroprene	0.650	0.764	-17.5	102	-0.01	8.46
32	acrylonitrile	0.207	0.202	2.4	88	-0.02	7.78
33	vinyl acetate	0.075	0.077	-2.7	91	-0.01	8.34
34	ethyl acetate	0.075	0.070	6.7	86	-0.01	9.08
35	2,2-dichloropropane	0.664	0.771	-16.1	104	-0.01	9.10
36	cis-1,2-dichloroethene	0.504	0.555	-10.1	103	-0.01	9.11
37	propionitrile	0.077	0.074	3.9	86	-0.02	9.21

Continuing Calibration Summary

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3102-CC3076
Lab FileID: 3D71691.D

38	methyl acrylate	0.443	0.442	0.2	92	-0.01	9.16
39	bromochloromethane	0.243	0.271	-11.5	99	-0.01	9.43
40	tetrahydrofuran	0.198	0.186	6.1	90	-0.01	9.45
41	chloroform	0.779	0.905	-16.2	106	-0.01	9.48
42	Tert-Butyl Formate	0.513	0.562	-9.6	97	-0.01	9.50
43 S	dibromofluoromethane (s)	0.408	0.452	-10.8	97	-0.01	9.68
44 S	1,2-dichloroethane-d4 (s)	0.456	0.532	-16.7	104	-0.01	10.11
45	freon 113	0.327	0.384	-17.4	96	0.00	6.62
46	methacrylonitrile	0.340	0.315	7.4	89	-0.01	9.38
47	1,1,1-trichloroethane	0.641	0.775	-20.9#	106	-0.01	9.71
48	tert amyl alcohol			-----NA-----			
49	2,2,4-Trimethylpentane	1.671	2.058	-23.2#	100	0.00	10.11
50	tert-amyl methyl ether	1.478	1.605	-8.6	98	0.00	10.17
51 I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	10.53
52	epichlorohydrin	0.035	0.029	17.1	86	0.00	11.81
53	n-butyl alcohol	0.010	0.008#	20.0	83	-0.01	10.67
54 M	cyclohexane	0.444	0.492	-10.8	107	0.00	9.76
55	carbon tetrachloride	0.365	0.414	-13.4	107	0.00	9.90
56	1,1-dichloropropene	0.384	0.423	-10.2	108	-0.01	9.88
57	hexane	0.394	0.397	-0.8	96	-0.01	8.04
58 M	benzene	1.194	1.204	-0.8	102	-0.01	10.16
59	heptane	0.211	0.216	-2.4	95	0.00	10.28
60	isopropyl acetate	0.826	0.805	2.5	94	-0.01	10.07
61	1,2-dichloroethane	0.375	0.429	-14.4	114	-0.01	10.20
62	trichloroethene	0.284	0.301	-6.0	106	0.00	10.87
63	tert amyl ethyl ether			-----NA-----			
64	2-nitropropane	0.006	0.007#	-16.7	107	-0.01	11.67
65	2-chloroethyl vinyl ether	0.195	0.209	-7.2	104	-0.01	11.67
66	methyl methacrylate	0.500	0.500	0.0	104	-0.01	11.14
67	1,2-dichloropropane	0.305	0.334	-9.5	109	0.00	11.15
68	methylcyclohexane	0.501	0.539	-7.6	100	-0.01	11.06
69	dibromomethane	0.191	0.207	-8.4	107	0.00	11.32
70	bromodichloromethane	0.377	0.410	-8.8	107	-0.01	11.44
71	cis-1,3-dichloropropene	0.481	0.508	-5.6	106	-0.01	11.89
72 S	toluene-d8 (s)	0.946	0.945	0.1	98	0.00	12.16
73	4-methyl-2-pentanone	0.121	0.120	0.8	96	0.00	11.98
74	toluene	0.662	0.691	-4.4	103	0.00	12.23
75	3-methyl-1-butanol	0.008	0.008#	0.0	91	-0.01	12.00
76	trans-1,3-dichloropropene	0.434	0.461	-6.2	107	0.00	12.45
77	ethyl methacrylate	0.375	0.371	1.1	98	0.00	12.42
78	1,1,2-trichloroethane	0.225	0.235	-4.4	105	-0.01	12.67
79	2-hexanone	0.119	0.108	9.2	92	0.00	12.82
80 I	chlorobenzene-d5	1.000	1.000	0.0	103	-0.01	13.67
81	tetrachloroethene	0.338	0.328	3.0	97	0.00	12.80
82	1,3-dichloropropane	0.491	0.532	-8.4	110	0.00	12.85
83	butyl acetate	0.248	0.233	6.0	100	0.00	12.88
84	3,3-Dimethyl-1-Butanol	0.039	0.035	10.3	93	-0.01	12.99
85	dibromochloromethane	0.359	0.358	0.3	99	0.00	13.11
86	1,2-dibromoethane	0.325	0.329	-1.2	101	-0.01	13.26
87	n-Butyl Ether			-----NA-----			
88	chlorobenzene	0.847	0.864	-2.0	103	-0.01	13.70
89	1,1,1,2-tetrachloroethane	0.325	0.333	-2.5	102	-0.01	13.76
90	ethylbenzene	1.449	1.510	-4.2	106	0.00	13.74
91	m,p-xylene	0.539	0.553	-2.6	102	0.00	13.85
92	o-xylene	0.543	0.558	-2.8	101	0.00	14.27
93	styrene	0.921	0.895	2.8	97	0.00	14.28
94	Butyl Acrylate			-----NA-----			
95	bromoform	0.261	0.237	9.2	91	0.00	14.57

5.7.4

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Continuing Calibration Summary

Page 3 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3102-CC3076
Lab FileID: 3D71691.D

96 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	15.98
97	isopropylbenzene	2.718	3.031	-11.5	102	0.00	14.60
98 S	4-bromofluorobenzene (s)	0.833	0.870	-4.4	101	0.00	14.82
99	bromobenzene	0.739	0.740	-0.1	95	0.00	15.02
100	cyclohexanone	0.121	0.040	66.9#	32#	-0.01	14.81
101	1,1,2,2-tetrachloroethane	0.907	0.959	-5.7	102	-0.01	14.94
102	trans-1,4-dichloro-2-bute	0.233	0.172	26.2#	71	0.00	14.98
103	1,2,3-trichloropropane	0.189	0.202	-6.9	98	0.00	15.02
104	n-propylbenzene	3.217	3.667	-14.0	106	0.00	15.01
105	4-Ethyltoluene	-----NA-----					
106	2-chlorotoluene	0.666	0.706	-6.0	100	0.00	15.17
107	4-chlorotoluene	0.681	0.711	-4.4	100	0.00	15.27
108	1,3,5-trimethylbenzene	2.284	2.503	-9.6	101	0.00	15.16
109	tert-butylbenzene	1.901	2.075	-9.2	98	0.00	15.50
110	pentachloroethane	0.418	0.447	-6.9	97	-0.01	15.60
111	1,2,4-trimethylbenzene	2.295	2.491	-8.5	101	0.00	15.55
112	sec-butylbenzene	2.983	3.293	-10.4	101	-0.01	15.71
113	1,3-dichlorobenzene	1.380	1.354	1.9	93	0.00	15.92
114	p-isopropyltoluene	2.429	2.530	-4.2	96	0.00	15.83
115	1,4-dichlorobenzene	1.430	1.395	2.4	93	-0.01	16.00
116	1,2-dichlorobenzene	1.427	1.396	2.2	93	-0.01	16.38
117	1,4-Diethylbenzene	-----NA-----					
118	n-butylbenzene	1.336	1.510	-13.0	105	0.00	16.23
119	1,2,4,5-Tetramethylbenzen	-----NA-----					
120	1,2-dibromo-3-chloropropa	0.168	0.177	-5.4	102	-0.01	17.12
121	1,3,5-trichlorobenzene	1.209	1.179	2.5	92	0.00	17.27
122	1,2,4-trichlorobenzene	1.163	1.117	4.0	90	0.00	17.85
123	hexachlorobutadiene	0.551	0.553	-0.4	91	0.00	17.94
124	naphthalene	2.739	2.513	8.3	85	0.00	18.12
125	1,2,3-trichlorobenzene	1.072	1.021	4.8	89	0.00	18.34
----- True Calc. % Drift -----							
126	hexachloroethane	50.000	55.355	-10.7	111	0.00	16.61
----- AvgRF CCRF % Dev -----							
127	Benzyl chloride	1.858	1.574	15.3	81	0.00	16.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 3D71164.D M3D3076.M Mon Apr 02 12:11:36 2012 ACCNJ

Continuing Calibration Summary

Page 1 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3105-CC3076
Lab FileID: 3D71767.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D\V3D3105\3D71767.D Vial: 2
Acq On : 2 Apr 2012 9:07 am Operator: natet
Sample : CC3076-20 Inst : MS3D
Misc : MS27605,V3D3105,W,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Mon Mar 19 13:32:47 2012
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	109	-0.02	7.38
2	1,4-dioxane	0.087	0.090	-3.4	108	-0.01	11.26
3 M	tertiary butyl alcohol	1.048	1.028	1.9	109	-0.02	7.50
4 I	pentafluorobenzene	1.000	1.000	0.0	101	-0.01	9.61
5	chlorodifluoromethane	0.534	0.682	-27.7#	128	0.00	3.91
6	dichlorodifluoromethane	0.678	0.723	-6.6	102	0.00	3.88
7	chloromethane	0.879	0.917	-4.3	107	-0.01	4.26
8	vinyl chloride	0.771	0.838	-8.7	110	-0.01	4.52
9	bromomethane	0.450	0.513	-14.0	113	0.00	5.19
10	chloroethane	0.382	0.415	-8.6	110	-0.01	5.36
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	0.718	0.805	-12.1	109	-0.01	5.83
13	pentane	1.125	1.176	-4.5	104	-0.01	5.89
14	ethyl ether	0.273	0.286	-4.8	110	-0.02	6.23
15	acrolein	0.112	0.103	8.0	93	-0.02	6.53
16	1,1-dichloroethene	0.435	0.445	-2.3	107	0.00	6.67
----- True Calc. % Drift -----							
17	acetone	20.000	23.639	-18.2	111	-0.02	6.75
----- AvgRF CCRF % Dev -----							
18	allyl chloride	0.257	0.287	-11.7	107	-0.02	7.21
19	acetonitrile	0.050	0.052	-4.0	102	-0.02	7.23
20	iodomethane	0.796	0.859	-7.9	106	-0.02	6.97
21	iso-butyl alcohol	0.018	0.020	-11.1	112	-0.02	9.92
22	carbon disulfide	1.573	1.654	-5.1	104	-0.02	7.08
23	methylene chloride	0.514	0.558	-8.6	110	-0.02	7.42
24	methyl acetate	0.089	0.099	-11.2	110	-0.02	7.20
25	methyl tert butyl ether	1.461	1.568	-7.3	109	-0.02	7.71
26	trans-1,2-dichloroethene	0.458	0.503	-9.8	112	-0.01	7.78
27	di-isopropyl ether	1.701	1.802	-5.9	107	-0.01	8.30
28	ethyl tert-butyl ether	1.583	1.780	-12.4	111	-0.02	8.77
29	2-butanone	0.062	0.072	-16.1	112	-0.02	9.07
30 M	1,1-dichloroethane	0.830	0.956	-15.2	115	-0.02	8.36
31	chloroprene	0.650	0.683	-5.1	105	-0.02	8.45
32	acrylonitrile	0.207	0.207	0.0	100	-0.02	7.78
33	vinyl acetate	0.075	0.077	-2.7	102	-0.01	8.34
34	ethyl acetate	0.075	0.075	0.0	103	-0.01	9.08
35	2,2-dichloropropane	0.664	0.800	-20.5#	121	-0.01	9.10
36	cis-1,2-dichloroethene	0.504	0.535	-6.2	104	-0.02	9.10
37	propionitrile	0.077	0.077	0.0	99	-0.02	9.21

Continuing Calibration Summary

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3105-CC3076
Lab FileID: 3D71767.D

38	methyl acrylate	0.443	0.441	0.5	103	-0.02	9.15
39	bromochloromethane	0.243	0.267	-9.9	106	-0.01	9.43
40	tetrahydrofuran	0.198	0.198	0.0	102	-0.02	9.44
41	chloroform	0.779	0.873	-12.1	112	-0.02	9.47
42	Tert-Butyl Formate	0.513	0.559	-9.0	108	-0.02	9.49
43 S	dibromofluoromethane (s)	0.408	0.445	-9.1	106	-0.02	9.68
44 S	1,2-dichloroethane-d4 (s)	0.456	0.522	-14.5	113	-0.02	10.10
45	freon 113	0.327	0.347	-6.1	104	0.00	6.62
46	methacrylonitrile	0.340	0.323	5.0	100	-0.02	9.37
47	1,1,1-trichloroethane	0.641	0.729	-13.7	113	-0.01	9.71
48	tert amyl alcohol			-----NA-----			
49	2,2,4-Trimethylpentane	1.671	1.824	-9.2	106	-0.01	10.11
50	tert-amyl methyl ether	1.478	1.606	-8.7	110	-0.01	10.16
51 I	1,4-difluorobenzene	1.000	1.000	0.0	111	-0.01	10.53
52	epichlorohydrin	0.035	0.033	5.7	107	-0.01	11.81
53	n-butyl alcohol	0.010	0.009#	10.0	104	-0.01	10.67
54 M	cyclohexane	0.444	0.456	-2.7	111	0.00	9.76
55	carbon tetrachloride	0.365	0.389	-6.6	113	0.00	9.90
56	1,1-dichloropropene	0.384	0.401	-4.4	115	-0.01	9.88
57	hexane	0.394	0.361	8.4	101	-0.01	8.04
58 M	benzene	1.194	1.170	2.0	109	-0.01	10.16
59	heptane	0.211	0.203	3.8	105	0.00	10.28
60	isopropyl acetate	0.826	0.812	1.7	111	-0.02	10.07
61	1,2-dichloroethane	0.375	0.430	-14.7	123	-0.02	10.19
62	trichloroethene	0.284	0.289	-1.8	114	-0.01	10.86
63	tert amyl ethyl ether			-----NA-----			
64	2-nitropropane	0.006	0.007#	-16.7	130	-0.02	11.67
65	2-chloroethyl vinyl ether	0.195	0.215	-10.3	119	-0.01	11.67
66	methyl methacrylate	0.500	0.504	-0.8	117	-0.01	11.14
67	1,2-dichloropropane	0.305	0.327	-7.2	117	-0.01	11.15
68	methylcyclohexane	0.501	0.481	4.0	104	-0.01	11.06
69	dibromomethane	0.191	0.207	-8.4	118	-0.01	11.31
70	bromodichloromethane	0.377	0.399	-5.8	116	-0.01	11.44
71	cis-1,3-dichloropropene	0.481	0.505	-5.0	115	-0.01	11.89
72 S	toluene-d8 (s)	0.946	0.937	1.0	108	0.00	12.16
73	4-methyl-2-pentanone	0.121	0.123	-1.7	108	-0.01	11.98
74	toluene	0.662	0.658	0.6	109	0.00	12.23
75	3-methyl-1-butanol	0.008	0.008#	0.0	108	-0.02	12.00
76	trans-1,3-dichloropropene	0.434	0.461	-6.2	116	-0.01	12.45
77	ethyl methacrylate	0.375	0.365	2.7	107	0.00	12.42
78	1,1,2-trichloroethane	0.225	0.231	-2.7	115	-0.01	12.67
79	2-hexanone	0.119	0.124	-4.2	112	-0.01	12.82
80 I	chlorobenzene-d5	1.000	1.000	0.0	110	-0.01	13.67
81	tetrachloroethene	0.338	0.318	5.9	103	0.00	12.80
82	1,3-dichloropropane	0.491	0.542	-10.4	121	-0.01	12.85
83	butyl acetate	0.248	0.246	0.8	113	-0.01	12.88
84	3,3-Dimethyl-1-Butanol	0.039	0.038	2.6	111	-0.01	12.99
85	dibromochloromethane	0.359	0.357	0.6	106	0.00	13.11
86	1,2-dibromoethane	0.325	0.337	-3.7	111	-0.01	13.26
87	n-Butyl Ether			-----NA-----			
88	chlorobenzene	0.847	0.856	-1.1	110	-0.01	13.70
89	1,1,1,2-tetrachloroethane	0.325	0.330	-1.5	109	-0.01	13.76
90	ethylbenzene	1.449	1.477	-1.9	112	0.00	13.74
91	m,p-xylene	0.539	0.541	-0.4	107	0.00	13.85
92	o-xylene	0.543	0.547	-0.7	107	0.00	14.27
93	styrene	0.921	0.864	6.2	102	0.00	14.28
94	Butyl Acrylate			-----NA-----			
95	bromoform	0.261	0.236	9.6	99	0.00	14.57

5.7.5

5

Continuing Calibration Summary

Page 3 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3105-CC3076
Lab FileID: 3D71767.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	-0.01	15.97
97		isopropylbenzene	2.718	2.980	-9.6	107	0.00	14.60
98	S	4-bromofluorobenzene (s)	0.833	0.894	-7.3	109	0.00	14.82
99		bromobenzene	0.739	0.745	-0.8	99	0.00	15.02
100		cyclohexanone	0.121	0.160	-32.2#	125	-0.01	14.81
101		1,1,2,2-tetrachloroethane	0.907	1.020	-12.5	113	-0.01	14.94
102		trans-1,4-dichloro-2-bute	0.233	0.170	27.0#	72	0.00	14.98
103		1,2,3-trichloropropane	0.189	0.214	-13.2	108	0.00	15.02
104		n-propylbenzene	3.217	3.656	-13.6	111	0.00	15.01
105		4-Ethyltoluene			-----NA-----			
106		2-chlorotoluene	0.666	0.715	-7.4	106	0.00	15.17
107		4-chlorotoluene	0.681	0.711	-4.4	105	0.00	15.27
108		1,3,5-trimethylbenzene	2.284	2.466	-8.0	106	0.00	15.16
109		tert-butylbenzene	1.901	1.963	-3.3	100	0.00	15.50
110		pentachloroethane	0.418	0.445	-6.5	105	-0.01	15.60
111		1,2,4-trimethylbenzene	2.295	2.478	-8.0	106	0.00	15.55
112		sec-butylbenzene	2.983	3.200	-7.3	106	-0.01	15.71
113		1,3-dichlorobenzene	1.380	1.366	1.0	98	0.00	15.92
114		p-isopropyltoluene	2.429	2.459	-1.2	100	0.00	15.83
115		1,4-dichlorobenzene	1.430	1.393	2.6	97	-0.01	16.00
116		1,2-dichlorobenzene	1.427	1.406	1.5	98	-0.01	16.38
117		1,4-Diethylbenzene			-----NA-----			
118		n-butylbenzene	1.336	1.464	-9.6	110	0.00	16.23
119		1,2,4,5-Tetramethylbenzen			-----NA-----			
120		1,2-dibromo-3-chloropropa	0.168	0.199	-18.5	115	-0.01	17.12
121		1,3,5-trichlorobenzene	1.209	1.165	3.6	96	-0.01	17.26
122		1,2,4-trichlorobenzene	1.163	1.126	3.2	98	0.00	17.85
123		hexachlorobutadiene	0.551	0.531	3.6	95	0.00	17.94
124		naphthalene	2.739	2.663	2.8	96	0.00	18.12
125		1,2,3-trichlorobenzene	1.072	1.036	3.4	97	0.00	18.34
----- True Calc. % Drift -----								
126		hexachloroethane	20.000	24.191	-21.0#	127	0.00	16.61
----- AvgRF CCRF % Dev -----								
127		Benzyl chloride	1.858	1.927	-3.7	105	0.00	16.12

(#) = Out of Range
 3D71163.D M3D3076.M

SPCC's out = 0 CCC's out = 0
 Mon Apr 02 16:47:54 2012 ACCNJ

5.7.5

5

Continuing Calibration Summary

Page 1 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3107-CC3076
Lab FileID: 3D71818.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D\V3D3107\3D71818.D Vial: 2
Acq On : 3 Apr 2012 10:25 am Operator: natet
Sample : CC3076-20 Inst : MS3D
Misc : MS27676,V3D3107,W,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D3076.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Mon Mar 19 13:32:47 2012
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	107	-0.02	7.38
2	1,4-dioxane	0.087	0.083	4.6	97	-0.01	11.26
3 M	tertiary butyl alcohol	1.048	0.980	6.5	102	-0.03	7.49
4 I	pentafluorobenzene	1.000	1.000	0.0	104	-0.01	9.61
5	chlorodifluoromethane	0.534	0.642	-20.2#	124	0.00	3.91
6	dichlorodifluoromethane	0.678	0.703	-3.7	102	0.00	3.89
7	chloromethane	0.879	0.874	0.6	105	0.00	4.26
8	vinyl chloride	0.771	0.807	-4.7	109	-0.01	4.52
9	bromomethane	0.450	0.478	-6.2	108	0.00	5.20
10	chloroethane	0.382	0.410	-7.3	111	0.00	5.37
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	0.718	0.813	-13.2	113	-0.02	5.82
13	pentane	1.125	1.075	4.4	98	-0.01	5.89
14	ethyl ether	0.273	0.279	-2.2	110	-0.01	6.23
15	acrolein	0.112	0.091	18.8	85	-0.02	6.53
16	1,1-dichloroethene	0.435	0.434	0.2	107	0.00	6.67
----- True Calc. % Drift -----							
17	acetone	20.000	17.611	11.9	92	0.00	6.76
----- AvgRF CCRF % Dev -----							
18	allyl chloride	0.257	0.277	-7.8	106	-0.01	7.22
19	acetonitrile	0.050	0.049	2.0	99	-0.02	7.23
20	iodomethane	0.796	0.822	-3.3	105	-0.02	6.97
21	iso-butyl alcohol	0.018	0.018	0.0	106	-0.02	9.92
22	carbon disulfide	1.573	1.593	-1.3	103	-0.02	7.08
23	methylene chloride	0.514	0.550	-7.0	111	-0.02	7.42
24	methyl acetate	0.089	0.094	-5.6	108	-0.02	7.20
25	methyl tert butyl ether	1.461	1.558	-6.6	111	-0.01	7.72
26	trans-1,2-dichloroethene	0.458	0.476	-3.9	109	-0.01	7.78
27	di-isopropyl ether	1.701	1.756	-3.2	107	-0.01	8.30
28	ethyl tert-butyl ether	1.583	1.744	-10.2	112	-0.02	8.77
29	2-butanone	0.062	0.063	-1.6	101	-0.02	9.08
30 M	1,1-dichloroethane	0.830	0.931	-12.2	115	-0.01	8.37
31	chloroprene	0.650	0.670	-3.1	106	-0.02	8.45
32	acrylonitrile	0.207	0.203	1.9	100	-0.02	7.78
33	vinyl acetate	0.075	0.072	4.0	98	-0.02	8.34
34	ethyl acetate	0.075	0.071	5.3	100	-0.02	9.07
35	2,2-dichloropropane	0.664	0.774	-16.6	120	-0.02	9.09
36	cis-1,2-dichloroethene	0.504	0.528	-4.8	106	-0.02	9.10
37	propionitrile	0.077	0.076	1.3	100	-0.02	9.21

Continuing Calibration Summary

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3107-CC3076
Lab FileID: 3D71818.D

38	methyl acrylate	0.443	0.431	2.7	103	-0.01	9.16
39	bromochloromethane	0.243	0.260	-7.0	106	-0.01	9.43
40	tetrahydrofuran	0.198	0.191	3.5	101	-0.01	9.45
41	chloroform	0.779	0.862	-10.7	114	-0.01	9.48
42	Tert-Butyl Formate	0.513	0.543	-5.8	108	-0.02	9.49
43 S	dibromofluoromethane (s)	0.408	0.442	-8.3	108	-0.01	9.68
44 S	1,2-dichloroethane-d4 (s)	0.456	0.519	-13.8	116	-0.02	10.10
45	freon 113	0.327	0.327	0.0	100	0.00	6.62
46	methacrylonitrile	0.340	0.317	6.8	100	-0.02	9.37
47	1,1,1-trichloroethane	0.641	0.708	-10.5	112	-0.02	9.71
48	tert amyl alcohol			-----NA-----			
49	2,2,4-Trimethylpentane	1.671	1.707	-2.2	102	-0.01	10.11
50	tert-amyl methyl ether	1.478	1.559	-5.5	110	-0.01	10.16
51 I	1,4-difluorobenzene	1.000	1.000	0.0	113	-0.01	10.53
52	epichlorohydrin	0.035	0.031	11.4	102	-0.01	11.81
53	n-butyl alcohol	0.010	0.009#	10.0	97	-0.02	10.66
54 M	cyclohexane	0.444	0.445	-0.2	110	0.00	9.76
55	carbon tetrachloride	0.365	0.378	-3.6	112	-0.01	9.90
56	1,1-dichloropropene	0.384	0.391	-1.8	114	-0.01	9.88
57	hexane	0.394	0.348	11.7	98	-0.01	8.04
58 M	benzene	1.194	1.151	3.6	109	-0.01	10.16
59	heptane	0.211	0.190	10.0	100	0.00	10.28
60	isopropyl acetate	0.826	0.764	7.5	106	-0.02	10.07
61	1,2-dichloroethane	0.375	0.431	-14.9	125	-0.02	10.19
62	trichloroethene	0.284	0.286	-0.7	115	-0.01	10.86
63	tert amyl ethyl ether			-----NA-----			
64	2-nitropropane	0.006	0.006#	0.0	118	-0.02	11.67
65	2-chloroethyl vinyl ether	0.195	0.205	-5.1	115	-0.01	11.67
66	methyl methacrylate	0.500	0.489	2.2	116	-0.01	11.14
67	1,2-dichloropropane	0.305	0.322	-5.6	117	-0.01	11.15
68	methylcyclohexane	0.501	0.460	8.2	101	-0.01	11.06
69	dibromomethane	0.191	0.202	-5.8	117	-0.01	11.31
70	bromodichloromethane	0.377	0.391	-3.7	115	-0.01	11.44
71	cis-1,3-dichloropropene	0.481	0.495	-2.9	115	-0.01	11.89
72 S	toluene-d8 (s)	0.946	0.925	2.2	108	0.00	12.16
73	4-methyl-2-pentanone	0.121	0.120	0.8	107	-0.01	11.98
74	toluene	0.662	0.643	2.9	109	0.00	12.23
75	3-methyl-1-butanol	0.008	0.008#	0.0	101	-0.02	12.00
76	trans-1,3-dichloropropene	0.434	0.447	-3.0	115	-0.01	12.45
77	ethyl methacrylate	0.375	0.357	4.8	106	-0.01	12.41
78	1,1,2-trichloroethane	0.225	0.225	0.0	114	-0.01	12.67
79	2-hexanone	0.119	0.113	5.0	104	-0.01	12.82
80 I	chlorobenzene-d5	1.000	1.000	0.0	109	-0.01	13.67
81	tetrachloroethene	0.338	0.308	8.9	99	0.00	12.80
82	1,3-dichloropropane	0.491	0.540	-10.0	120	-0.01	12.85
83	butyl acetate	0.248	0.239	3.6	109	-0.01	12.88
84	3,3-Dimethyl-1-Butanol	0.039	0.035	10.3	102	-0.01	12.99
85	dibromochloromethane	0.359	0.349	2.8	103	-0.01	13.11
86	1,2-dibromoethane	0.325	0.328	-0.9	108	-0.01	13.26
87	n-Butyl Ether			-----NA-----			
88	chlorobenzene	0.847	0.842	0.6	108	-0.01	13.70
89	1,1,1,2-tetrachloroethane	0.325	0.326	-0.3	107	-0.01	13.76
90	ethylbenzene	1.449	1.440	0.6	109	0.00	13.74
91	m,p-xylene	0.539	0.527	2.2	104	0.00	13.85
92	o-xylene	0.543	0.540	0.6	105	0.00	14.27
93	styrene	0.921	0.842	8.6	99	0.00	14.28
94	Butyl Acrylate			-----NA-----			
95	bromoform	0.261	0.228	12.6	96	0.00	14.57

5.7.6

5

Continuing Calibration Summary

Page 3 of 3

Job Number: JB2750
Account: ENVIRON Environ Corporation
Project: Bulova, Valley Stream, NY

Sample: V3D3107-CC3076
Lab FileID: 3D71818.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	-0.01	15.97
97		isopropylbenzene	2.718	2.937	-8.1	104	0.00	14.60
98	S	4-bromofluorobenzene (s)	0.833	0.901	-8.2	108	0.00	14.82
99		bromobenzene	0.739	0.739	0.0	97	0.00	15.02
100		cyclohexanone	0.121	0.123	-1.7	94	-0.01	14.81
101		1,1,2,2-tetrachloroethane	0.907	1.004	-10.7	109	-0.01	14.94
102		trans-1,4-dichloro-2-bute	0.233	0.218	6.4	91	0.00	14.98
103		1,2,3-trichloropropane	0.189	0.211	-11.6	105	0.00	15.02
104		n-propylbenzene	3.217	3.570	-11.0	106	-0.01	15.01
105		4-Ethyltoluene	-----NA-----					
106		2-chlorotoluene	0.666	0.699	-5.0	102	0.09	15.27
107		4-chlorotoluene	0.681	0.699	-2.6	102	0.00	15.27
108		1,3,5-trimethylbenzene	2.284	2.413	-5.6	102	0.00	15.16
109		tert-butylbenzene	1.901	1.894	0.4	95	0.00	15.50
110		pentachloroethane	0.418	0.429	-2.6	100	-0.01	15.60
111		1,2,4-trimethylbenzene	2.295	2.454	-6.9	103	0.00	15.55
112		sec-butylbenzene	2.983	3.048	-2.2	99	-0.01	15.71
113		1,3-dichlorobenzene	1.380	1.341	2.8	94	0.00	15.92
114		p-isopropyltoluene	2.429	2.378	2.1	95	0.00	15.83
115		1,4-dichlorobenzene	1.430	1.374	3.9	94	-0.01	16.00
116		1,2-dichlorobenzene	1.427	1.382	3.2	95	-0.01	16.38
117		1,4-Diethylbenzene	-----NA-----					
118		n-butylbenzene	1.336	1.415	-5.9	104	0.00	16.23
119		1,2,4,5-Tetramethylbenzen	-----NA-----					
120		1,2-dibromo-3-chloropropa	0.168	0.191	-13.7	108	-0.01	17.12
121		1,3,5-trichlorobenzene	1.209	1.107	8.4	90	-0.01	17.26
122		1,2,4-trichlorobenzene	1.163	1.078	7.3	92	0.00	17.85
123		hexachlorobutadiene	0.551	0.501	9.1	88	-0.01	17.93
124		naphthalene	2.739	2.635	3.8	93	0.00	18.12
125		1,2,3-trichlorobenzene	1.072	0.994	7.3	91	0.00	18.34
----- True Calc. % Drift -----								
126		hexachloroethane	20.000	22.832	-14.2	117	0.00	16.61
----- AvgRF CCRF % Dev -----								
127		Benzyl chloride	1.858	1.874	-0.9	100	0.00	16.12

(#) = Out of Range
 3D71163.D M3D3076.M

SPCC's out = 0 CCC's out = 0
 Wed Apr 04 15:40:26 2012 ACCNJ

GC/MS Volatiles

Raw Data

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3105\
 Data File : 3D71789.D
 Acq On : 2 Apr 2012 8:33 pm
 Operator : natet
 Sample : JB2750-1
 Misc : MS27613,V3D3105,W,,,,,2
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 03 10:38:31 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

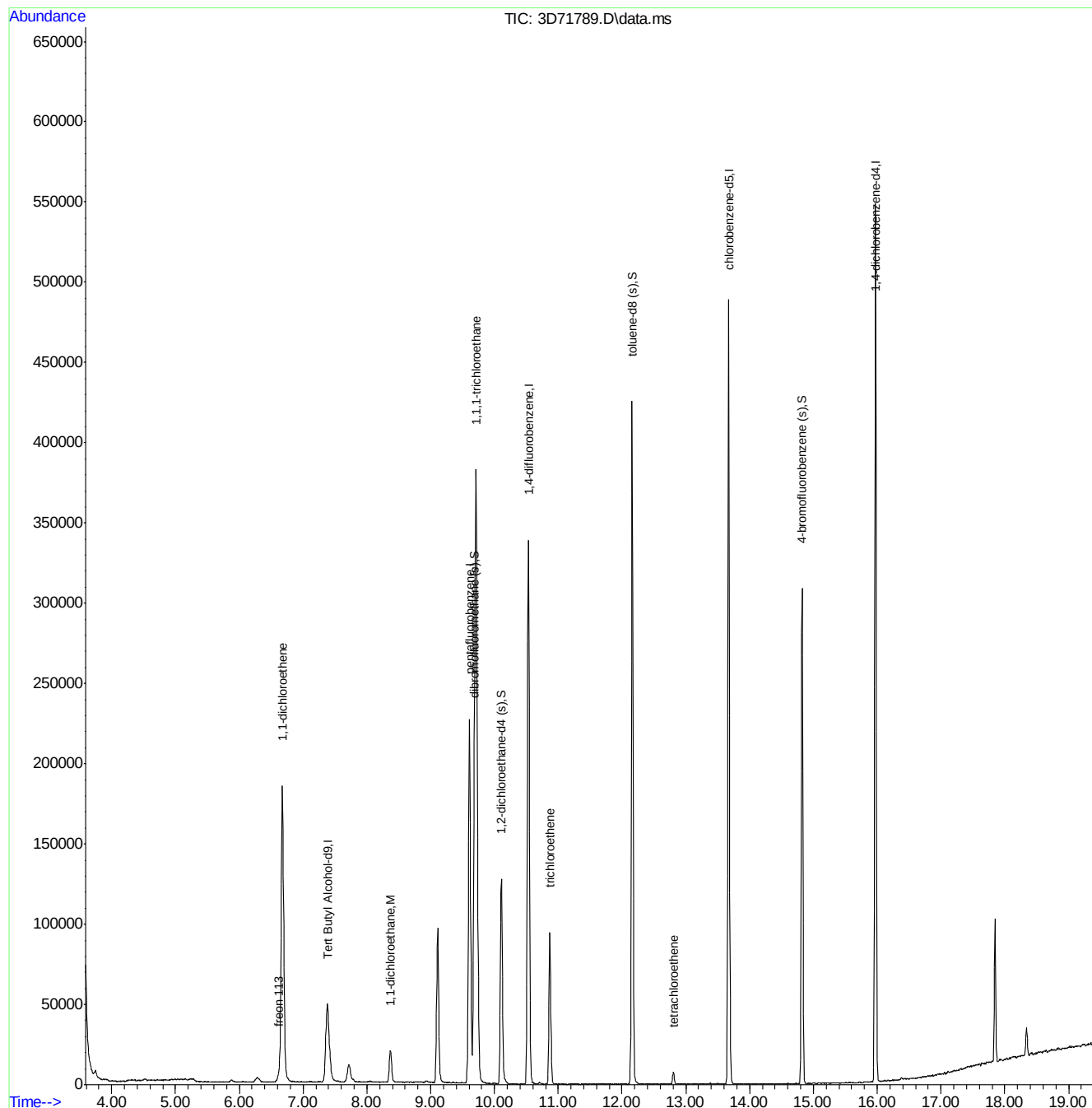
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	109180	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	185383	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	306132	50.00	ug/L	0.00
80) chlorobenzene-d5	13.674	117	258657	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.971	152	121704	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	84073	55.52	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	111.04%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	99351	58.74	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	117.48%		
72) toluene-d8 (s)	12.159	98	291929	50.42	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	100.84%		
98) 4-bromofluorobenzene (s)	14.823	95	105554	52.08	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	104.16%		
Target Compounds						Qvalue
16) 1,1-dichloroethene	6.675	96	103017	63.95	ug/L	89
30) 1,1-dichloroethane	8.368	63	26051	8.47	ug/L	96
45) freon 113	6.622	151	3302	2.73	ug/L	97
47) 1,1,1-trichloroethane	9.711	97	302546	127.27	ug/L	95
62) trichloroethene	10.869	95	35390	20.36	ug/L	97
81) tetrachloroethene	12.809	166	2305	1.32	ug/L	96

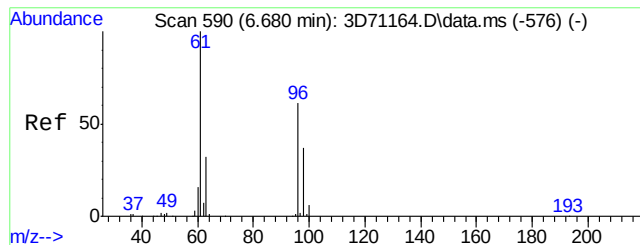
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3105\
Data File : 3D71789.D
Acq On : 2 Apr 2012 8:33 pm
Operator : natet
Sample : JB2750-1
Misc : MS27613,V3D3105,W,,,,,2
ALS Vial : 24 Sample Multiplier: 1

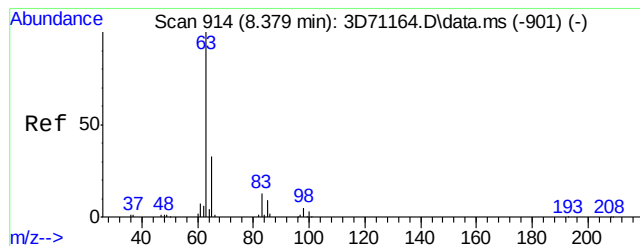
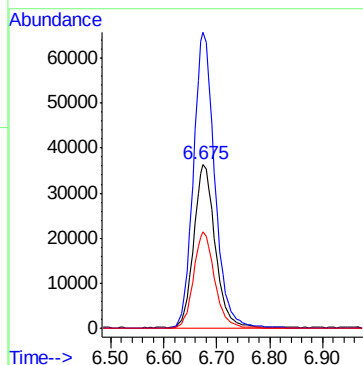
Quant Time: Apr 03 10:38:31 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration





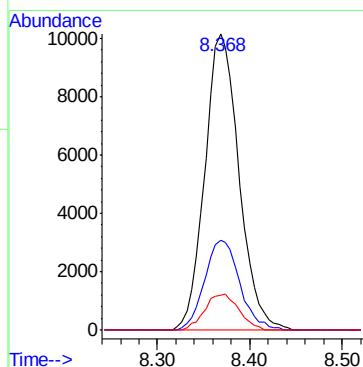
#16
1,1-dichloroethene
Concen: 63.95 ug/L
RT: 6.675 min Scan# 589
Delta R.T. -0.005 min
Lab File: 3D71789.D
Acq: 2 Apr 2012 8:33 pm

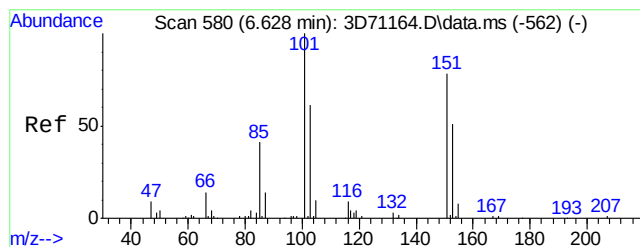
Tgt Ion:	96	Resp:	103017
Ion Ratio	Lower	Upper	
96	100		
61	180.9	134.6	194.6
63	59.0	23.1	83.1



#30
1,1-dichloroethene
Concen: 8.47 ug/L
RT: 8.368 min Scan# 912
Delta R.T. -0.011 min
Lab File: 3D71789.D
Acq: 2 Apr 2012 8:33 pm

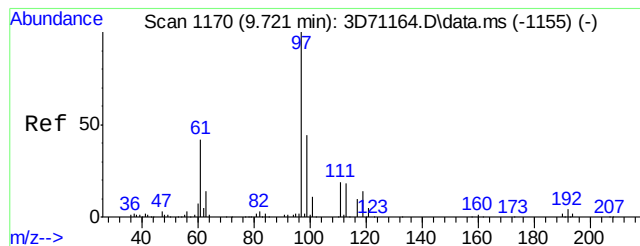
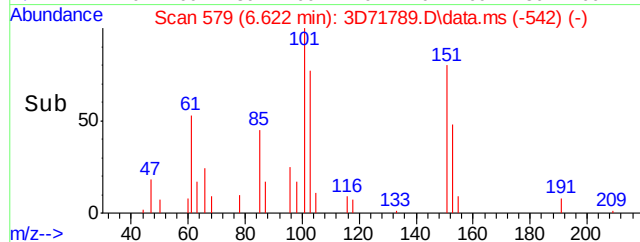
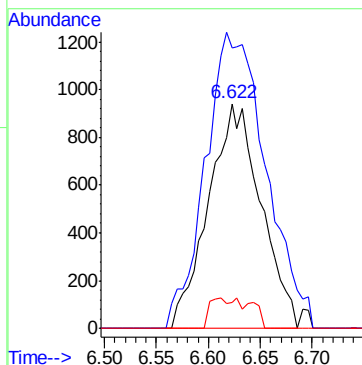
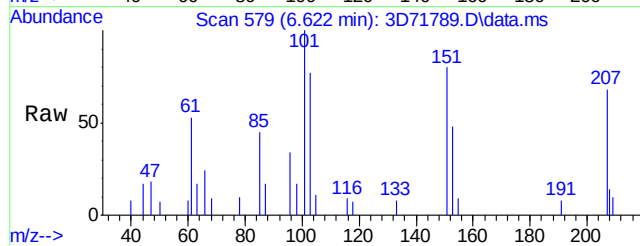
Tgt Ion:	63	Resp:	26051
Ion Ratio	Lower	Upper	
63	100		
65	30.2	3.1	63.1
83	11.7	0.0	42.8





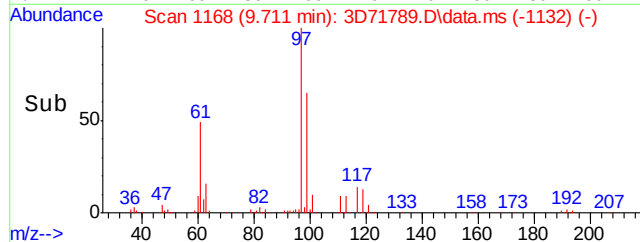
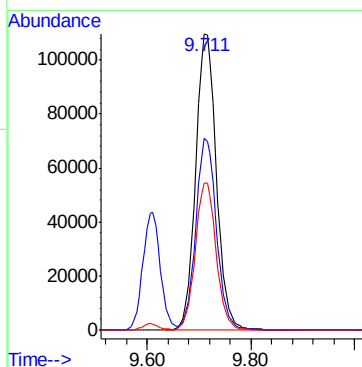
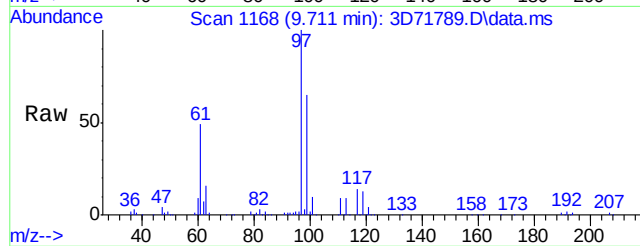
#45
 freon 113
 Concen: 2.73 ug/L
 RT: 6.622 min Scan# 579
 Delta R.T. -0.005 min
 Lab File: 3D71789.D
 Acq: 2 Apr 2012 8:33 pm

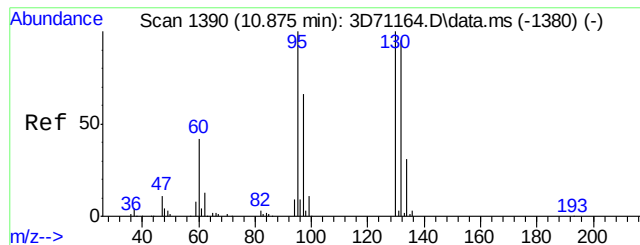
Tgt Ion:	151	Resp:	3302
Ion Ratio	Lower	Upper	
151	100		
101	124.8	98.2	158.2
116	11.6	0.0	41.8



#47
 1,1,1-trichloroethane
 Concen: 127.27 ug/L
 RT: 9.711 min Scan# 1168
 Delta R.T. -0.011 min
 Lab File: 3D71789.D
 Acq: 2 Apr 2012 8:33 pm

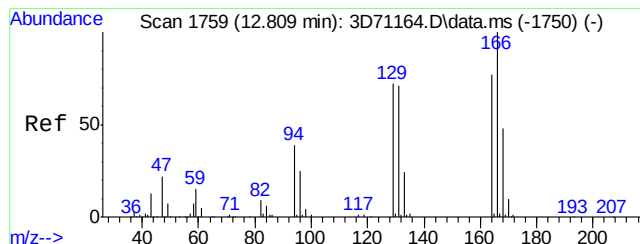
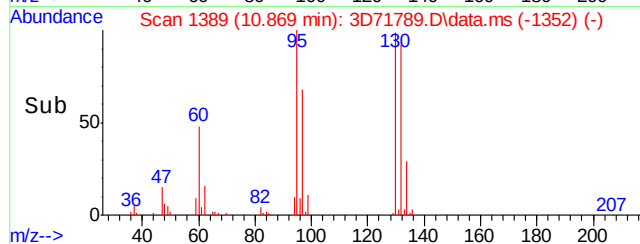
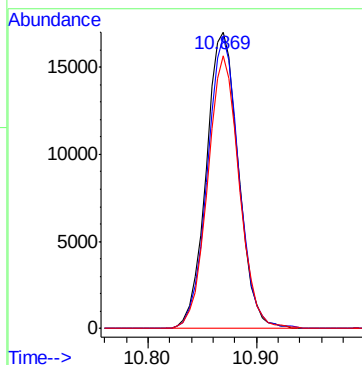
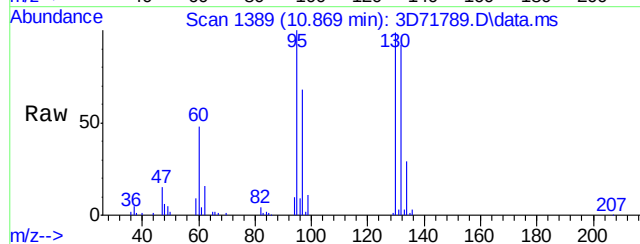
Tgt Ion:	97	Resp:	302546
Ion Ratio	Lower	Upper	
97	100		
99	64.8	35.5	95.5
61	49.5	12.5	72.5





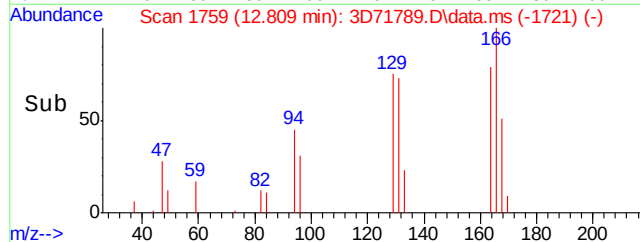
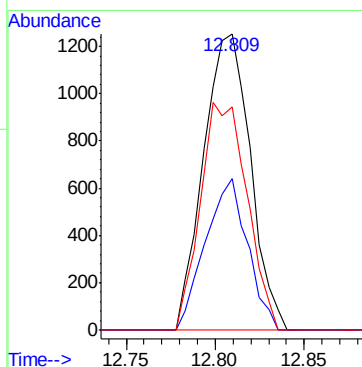
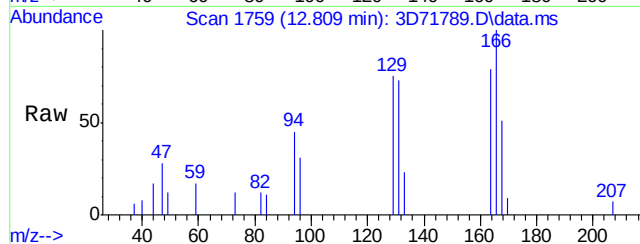
#62
trichloroethene
Concen: 20.36 ug/L
RT: 10.869 min Scan# 1389
Delta R.T. -0.005 min
Lab File: 3D71789.D
Acq: 2 Apr 2012 8:33 pm

Tgt Ion:	95	Resp:	35390
Ion Ratio	Lower	Upper	
95	100		
130	98.5	70.4	130.4
132	92.1	65.4	125.4



#81
tetrachloroethene
Concen: 1.32 ug/L
RT: 12.809 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 3D71789.D
Acq: 2 Apr 2012 8:33 pm

Tgt Ion:	166	Resp:	2305
Ion Ratio	Lower	Upper	
166	100		
168	51.1	17.6	77.6
129	75.3	42.0	102.0



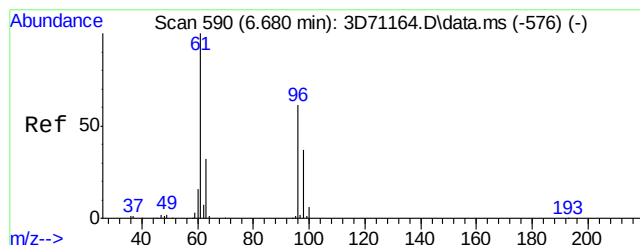
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3105\
 Data File : 3D71788.D
 Acq On : 2 Apr 2012 8:05 pm
 Operator : natet
 Sample : JB2750-2
 Misc : MS27613,V3D3105,W,,,,1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 03 10:37:35 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

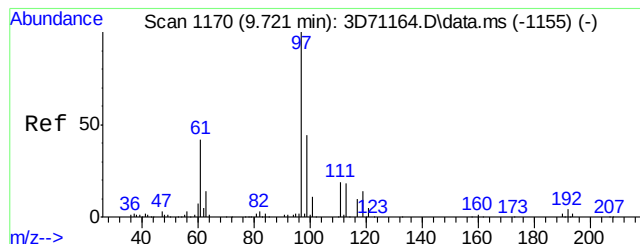
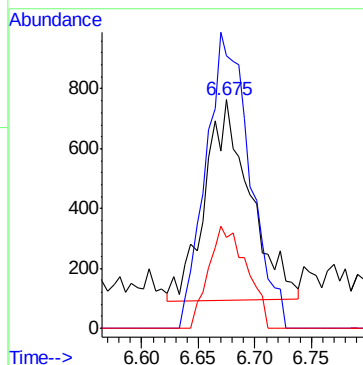
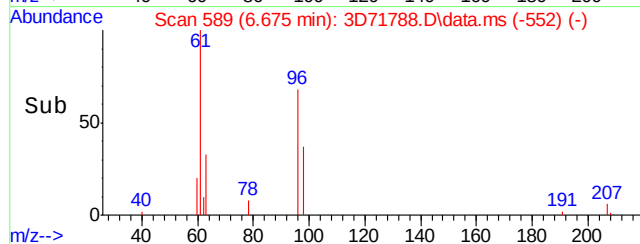
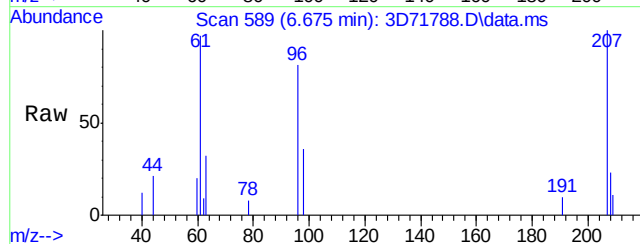
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.378	65	104037	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	187788	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	310799	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	262049	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.971	152	122372	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.685	113	84479	55.08	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	110.16%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	100203	58.48	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	116.96%		
72) toluene-d8 (s)	12.159	98	297665	50.64	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	101.28%		
98) 4-bromofluorobenzene (s)	14.823	95	107600	52.80	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	105.60%		
Target Compounds						
16) 1,1-dichloroethene	6.675	96	1850	1.13	ug/L	84
47) 1,1,1-trichloroethane	9.711	97	2995	1.24	ug/L	93
62) trichloroethene	10.869	95	726	0.41	ug/L	95

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



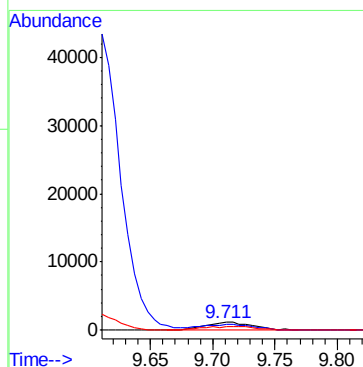
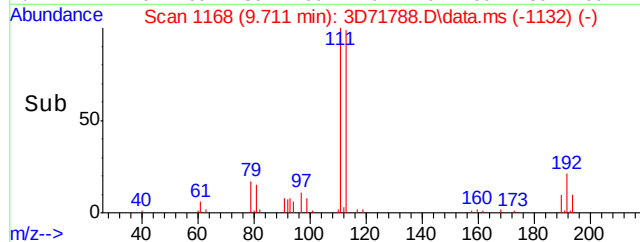
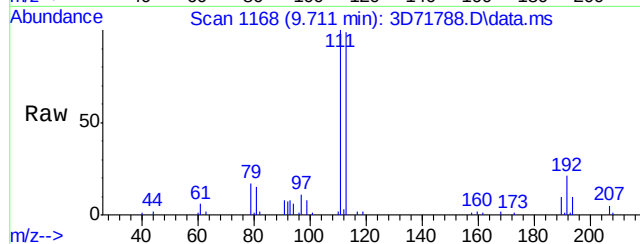
#16
1,1-dichloroethene
Concen: 1.13 ug/L
RT: 6.675 min Scan# 589
Delta R.T. -0.005 min
Lab File: 3D71788.D
Acq: 2 Apr 2012 8:05 pm

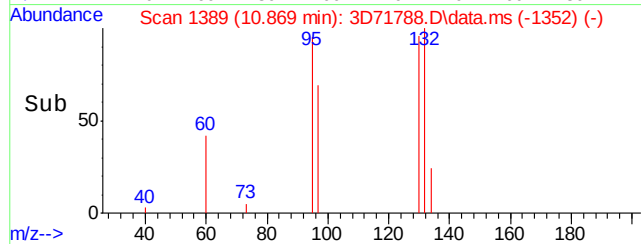
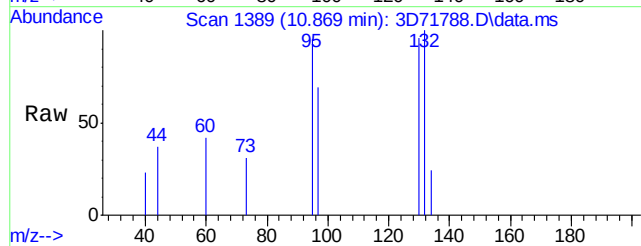
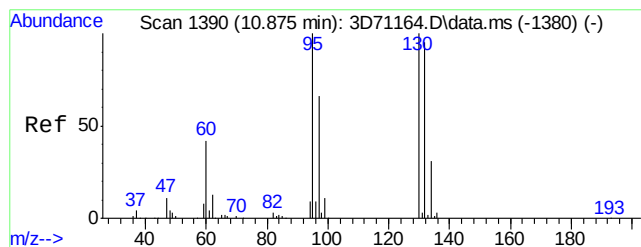
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	134.6	194.6
63	46.8	23.1	83.1



#47
1,1,1-trichloroethane
Concen: 1.24 ug/L
RT: 9.711 min Scan# 1168
Delta R.T. -0.010 min
Lab File: 3D71788.D
Acq: 2 Apr 2012 8:05 pm

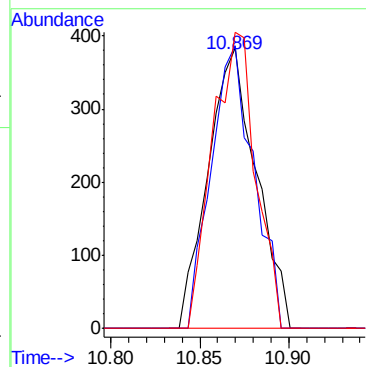
Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.4	35.5	95.5
61	49.3	12.5	72.5





#62
trichloroethene
Concen: 0.41 ug/L
RT: 10.869 min Scan# 1389
Delta R.T. -0.005 min
Lab File: 3D71788.D
Acq: 2 Apr 2012 8:05 pm

Tgt Ion	95	Resp	726
Ion Ratio	100		
Lower		70.4	130.4
Upper		65.4	125.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
 Data File : 3D71698.D
 Acq On : 31 Mar 2012 12:59 am
 Operator : natet
 Sample : JB2750-2
 Misc : MS27613,V3D3102,W,,,,1
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 02 12:17:31 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

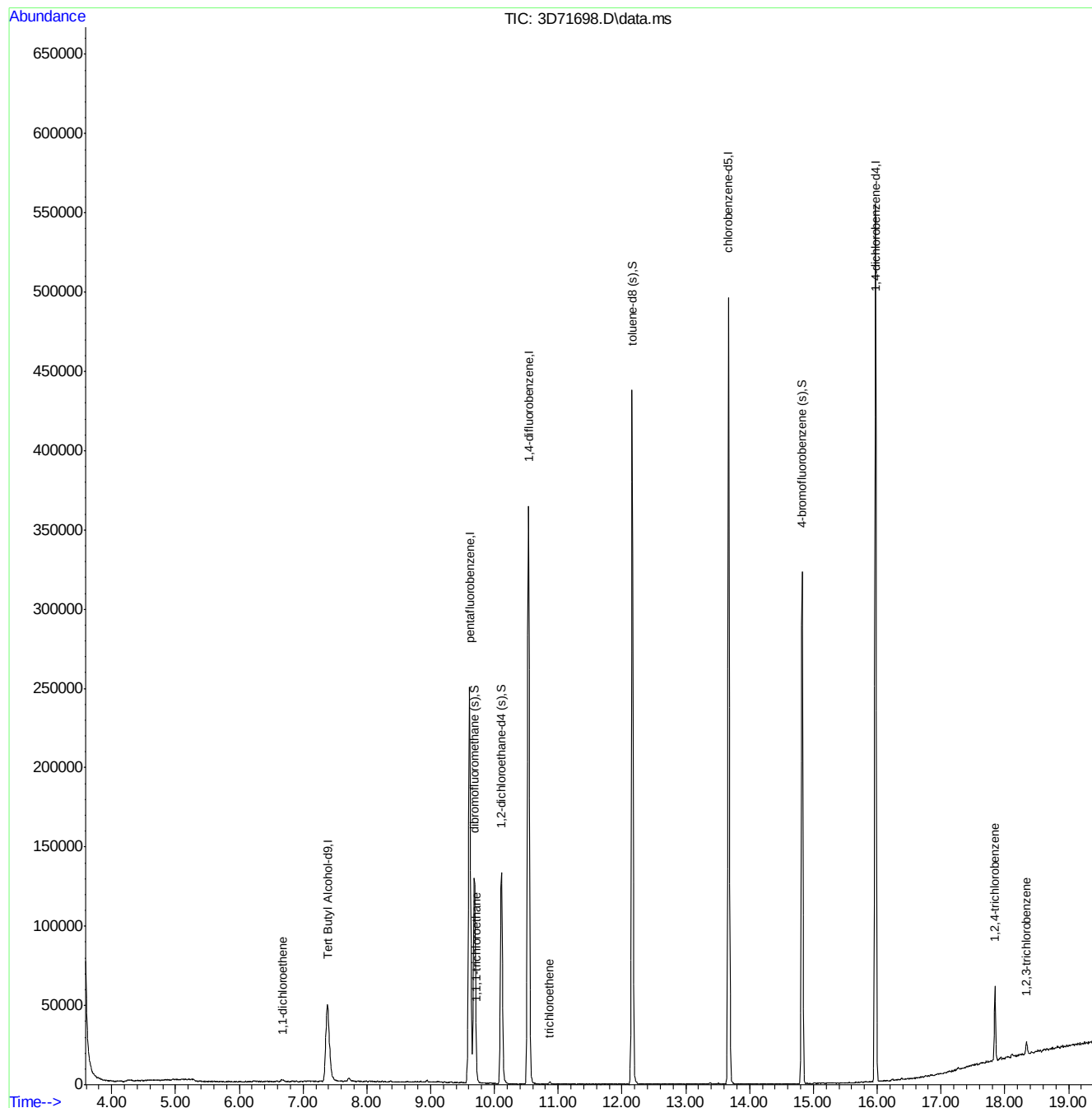
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	113189	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	209919	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	335179	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	274434	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.976	152	129658	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	90531	52.80	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	105.60%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	104286	54.45	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	108.90%		
72) toluene-d8 (s)	12.159	98	311366	49.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	98.24%		
98) 4-bromofluorobenzene (s)	14.823	95	111491	51.64	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	103.28%		
Target Compounds						
16) 1,1-dichloroethene	6.675	96	978	0.54	ug/L	Qvalue # 79
47) 1,1,1-trichloroethane	9.716	97	1391	0.52	ug/L	88
62) trichloroethene	10.864	95	662	0.35	ug/L	72
122) 1,2,4-trichlorobenzene	17.848	180	13129	4.35	ug/L	98
125) 1,2,3-trichlorobenzene	18.341	180	2330	0.84	ug/L	88

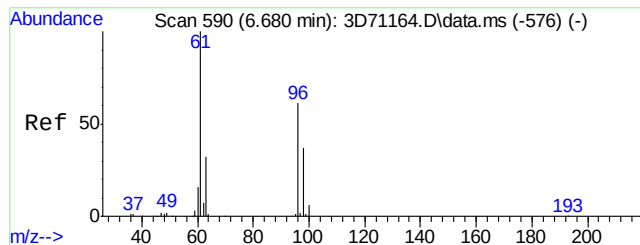
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
 Data File : 3D71698.D
 Acq On : 31 Mar 2012 12:59 am
 Operator : natet
 Sample : JB2750-2
 Misc : MS27613,V3D3102,W,,,,,1
 ALS Vial : 34 Sample Multiplier: 1

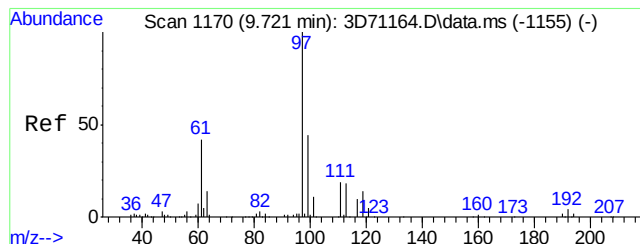
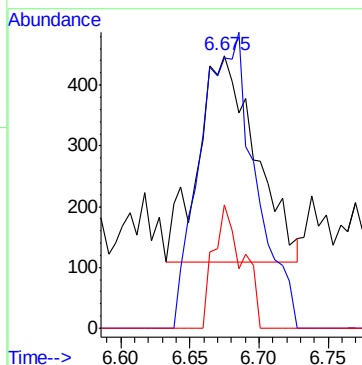
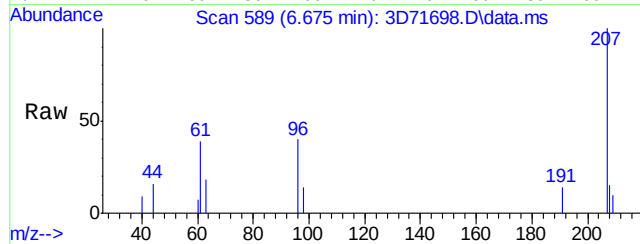
Quant Time: Apr 02 12:17:31 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration





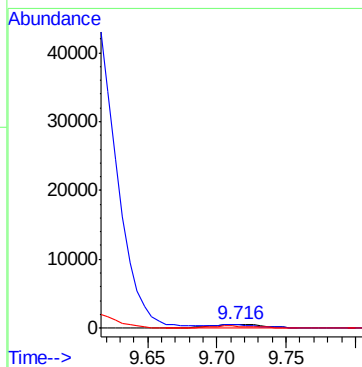
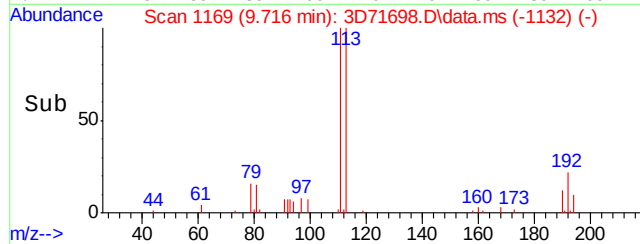
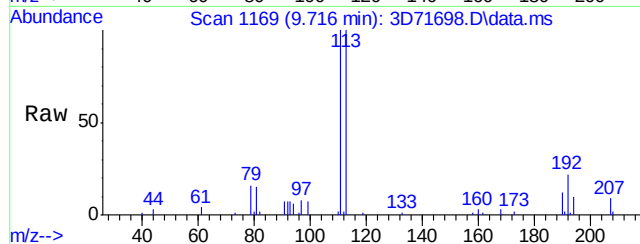
#16
1,1-dichloroethene
Concen: 0.54 ug/L
RT: 6.675 min Scan# 589
Delta R.T. -0.005 min
Lab File: 3D71698.D
Acq: 31 Mar 2012 12:59 am

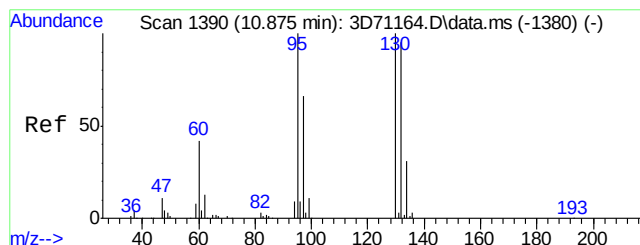
Tgt Ion: 96 Resp: 978
Ion Ratio Lower Upper
96 100
61 130.6 134.6 194.6#
63 59.4 23.1 83.1



#47
1,1,1-trichloroethane
Concen: 0.52 ug/L
RT: 9.716 min Scan# 1169
Delta R.T. -0.005 min
Lab File: 3D71698.D
Acq: 31 Mar 2012 12:59 am

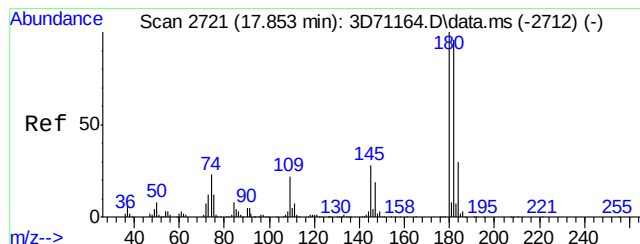
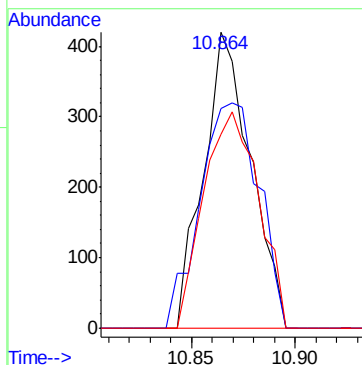
Tgt Ion: 97 Resp: 1391
Ion Ratio Lower Upper
97 100
99 80.1 35.5 95.5
61 44.0 12.5 72.5





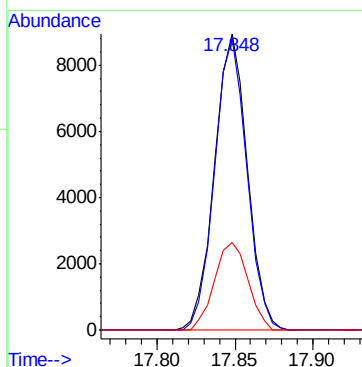
#62
trichloroethene
Concen: 0.35 ug/L
RT: 10.864 min Scan# 1388
Delta R.T. -0.011 min
Lab File: 3D71698.D
Acq: 31 Mar 2012 12:59 am

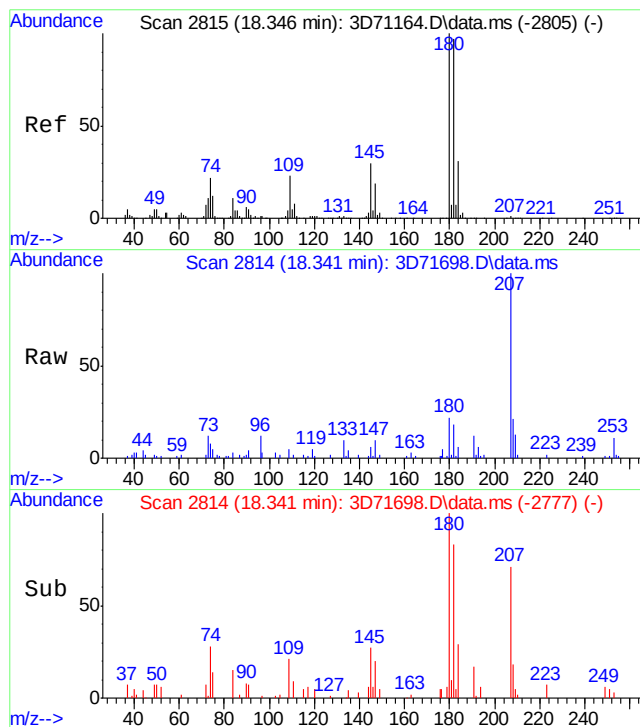
Tgt Ion	Ratio	Lower	Upper
95	100		
130	74.3	70.4	130.4
132	65.5	65.4	125.4



#122
1,2,4-trichlorobenzene
Concen: 4.35 ug/L
RT: 17.848 min Scan# 2720
Delta R.T. -0.005 min
Lab File: 3D71698.D
Acq: 31 Mar 2012 12:59 am

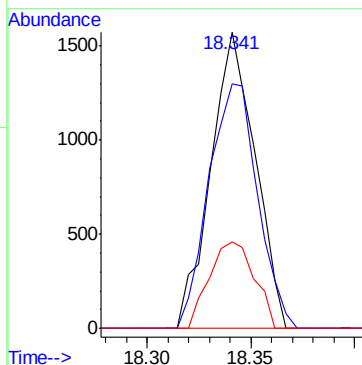
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	66.4	126.4
184	29.6	0.4	60.4





#125
 1,2,3-trichlorobenzene
 Concen: 0.84 ug/L
 RT: 18.341 min Scan# 2814
 Delta R.T. -0.005 min
 Lab File: 3D71698.D
 Acq: 31 Mar 2012 12:59 am

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.6	66.9	126.9
184	29.1	0.7	60.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3107\
 Data File : 3D71823.D
 Acq On : 3 Apr 2012 1:08 pm
 Operator : natet
 Sample : JB2750-3
 Misc : MS27613,V3D3107,W,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 04 16:38:23 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

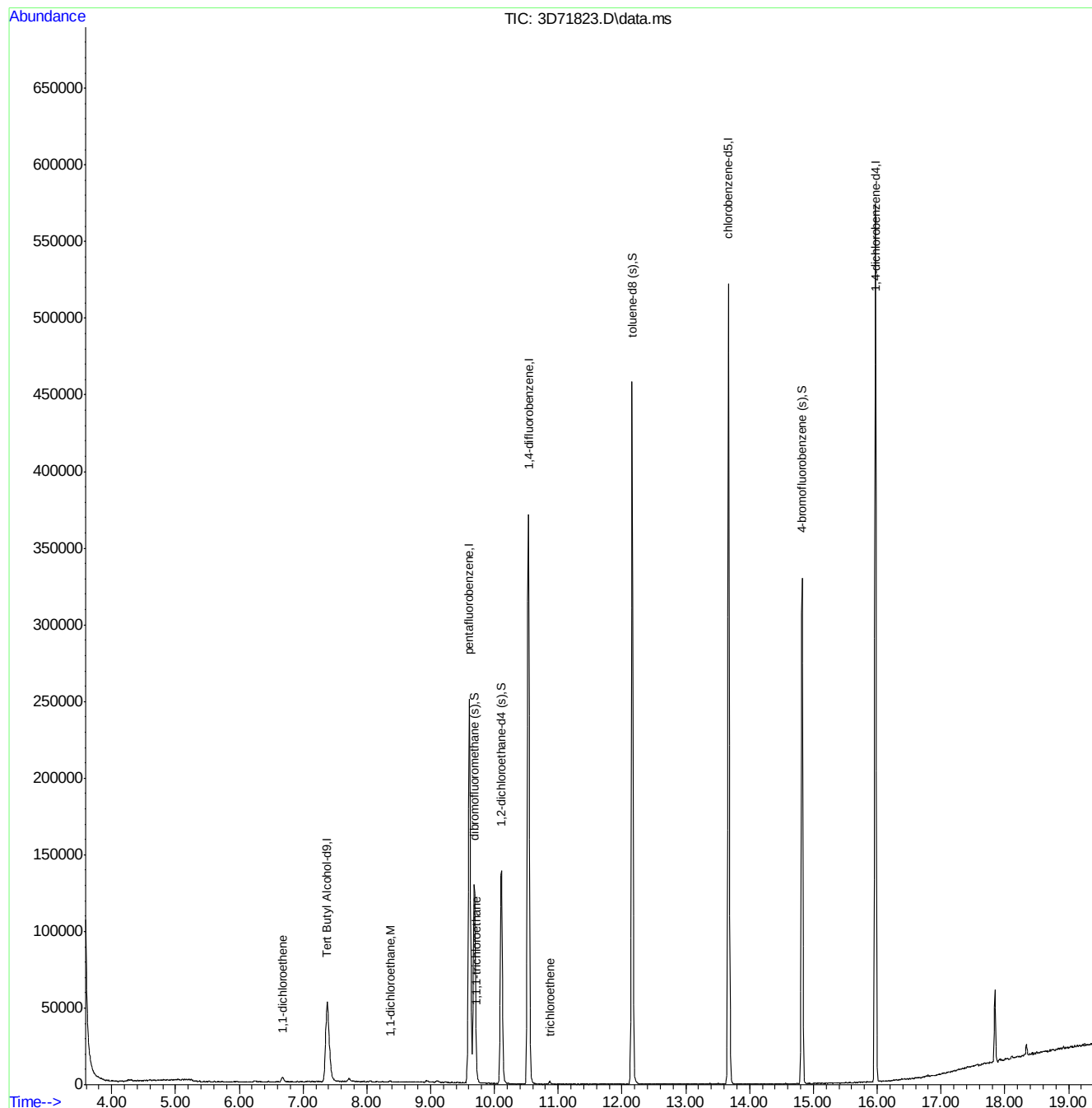
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.378	65	118700	500.00	ug/L	-0.02
4) pentafluorobenzene	9.606	168	207066	50.00	ug/L	-0.01
51) 1,4-difluorobenzene	10.534	114	338000	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	276550	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.971	152	127869	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.685	113	91232	53.94	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	107.88%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	110007	58.23	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	116.46%		
72) toluene-d8 (s)	12.159	98	317292	49.64	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	99.28%		
98) 4-bromofluorobenzene (s)	14.823	95	113384	53.25	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	106.50%		
Target Compounds						
16) 1,1-dichloroethene	6.675	96	1929	1.07	ug/L	82
30) 1,1-dichloroethane	8.374	63	731	0.21	ug/L	91
47) 1,1,1-trichloroethane	9.716	97	3466	1.31	ug/L	98
62) trichloroethene	10.869	95	723	0.38	ug/L	91

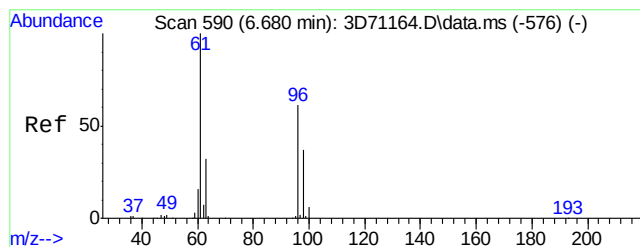
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3107\
Data File : 3D71823.D
Acq On : 3 Apr 2012 1:08 pm
Operator : natet
Sample : JB2750-3
Misc : MS27613,V3D3107,W,,,,,1
ALS Vial : 7 Sample Multiplier: 1

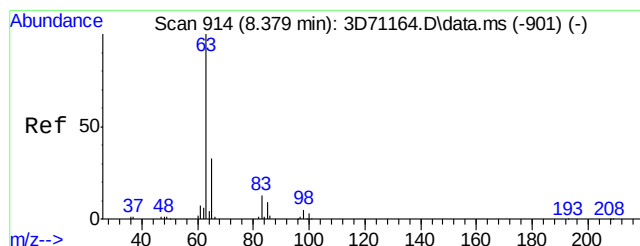
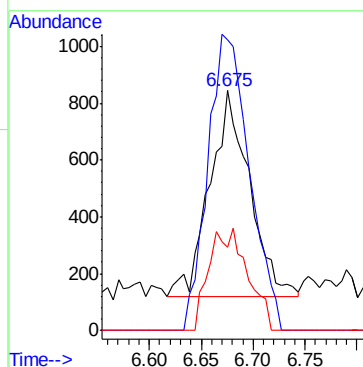
Quant Time: Apr 04 16:38:23 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration





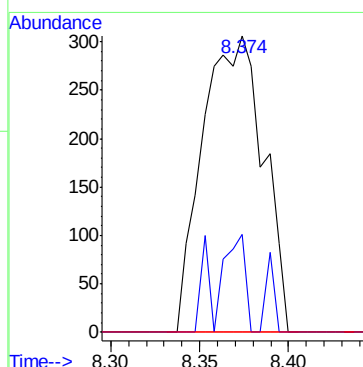
#16
1,1-dichloroethene
Concen: 1.07 ug/L
RT: 6.675 min Scan# 589
Delta R.T. -0.005 min
Lab File: 3D71823.D
Acq: 3 Apr 2012 1:08 pm

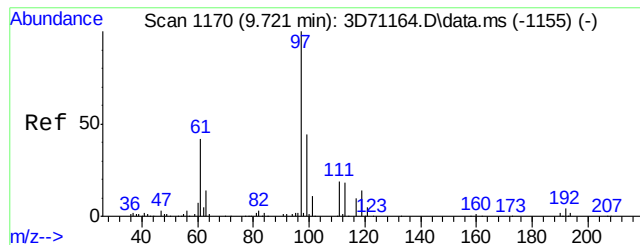
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	134.6	194.6
63	40.5	23.1	83.1



#30
1,1-dichloroethane
Concen: 0.21 ug/L
RT: 8.374 min Scan# 913
Delta R.T. -0.005 min
Lab File: 3D71823.D
Acq: 3 Apr 2012 1:08 pm

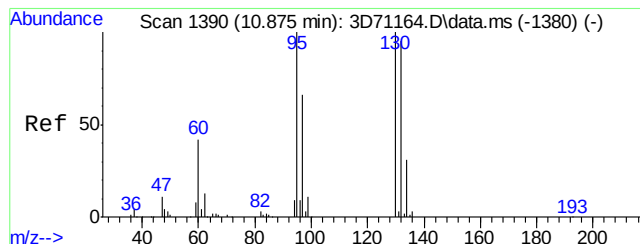
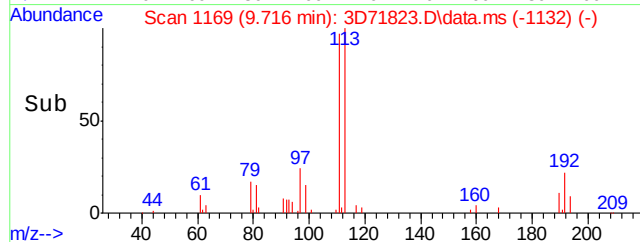
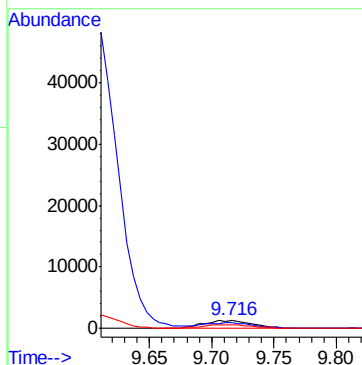
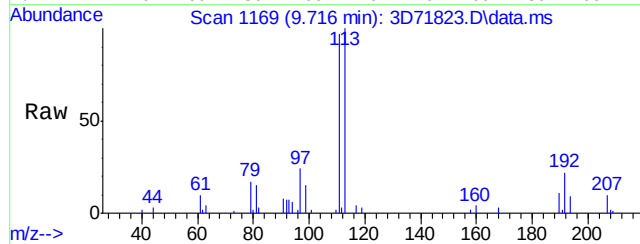
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.0	3.1	63.1
83	0.0	0.0	42.8





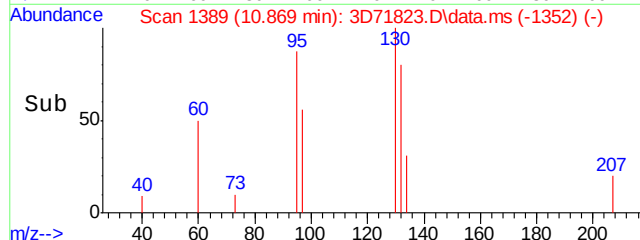
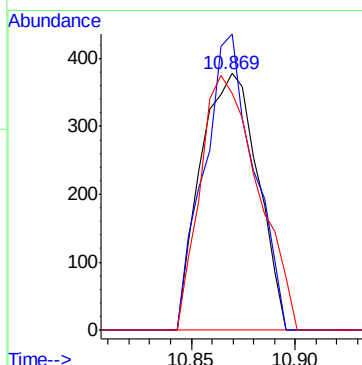
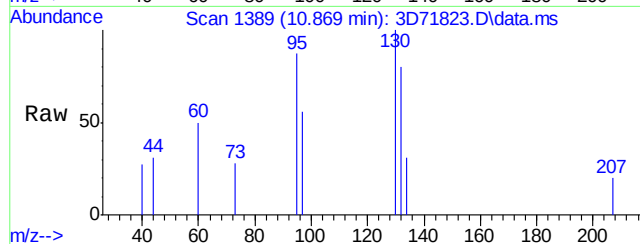
#47
1,1,1-trichloroethane
Concen: 1.31 ug/L
RT: 9.716 min Scan# 1169
Delta R.T. -0.005 min
Lab File: 3D71823.D
Acq: 3 Apr 2012 1:08 pm

Tgt Ion:	97	Resp:	3466
Ion Ratio	Lower	Upper	
97	100		
99	63.6	35.5	95.5
61	43.0	12.5	72.5



#62
trichloroethene
Concen: 0.38 ug/L
RT: 10.869 min Scan# 1389
Delta R.T. -0.005 min
Lab File: 3D71823.D
Acq: 3 Apr 2012 1:08 pm

Tgt Ion:	95	Resp:	723
Ion Ratio	Lower	Upper	
95	100		
130	115.3	70.4	130.4
132	92.3	65.4	125.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
 Data File : 3D71700.D
 Acq On : 31 Mar 2012 1:55 am
 Operator : natet
 Sample : JB2750-4
 Misc : MS27613,V3D3102,W,,,,1
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Apr 02 12:18:38 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

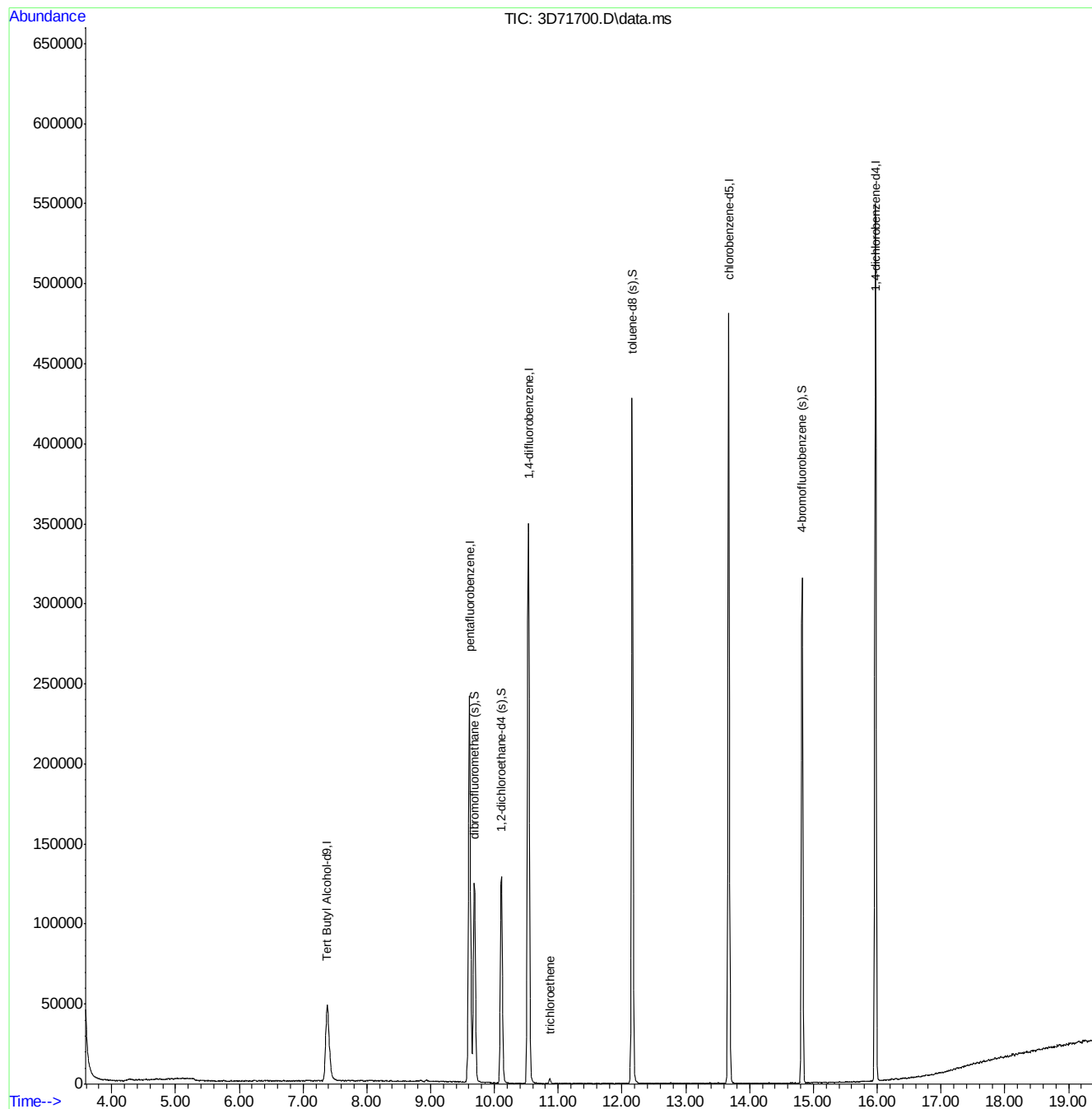
Internal Standards						
1) Tert Butyl Alcohol-d9	7.378	65	108440	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	199786	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	321717	50.00	ug/L	0.00
80) chlorobenzene-d5	13.675	117	265857	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.971	152	126436	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.685	113	87225	53.45	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	106.90%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	101648	55.76	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	111.52%		
72) toluene-d8 (s)	12.159	98	302294	49.68	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	99.36%		
98) 4-bromofluorobenzene (s)	14.823	95	108027	51.31	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	102.62%		
Target Compounds						
62) trichloroethene	10.870	95	1350	0.74	ug/L	Qvalue 83

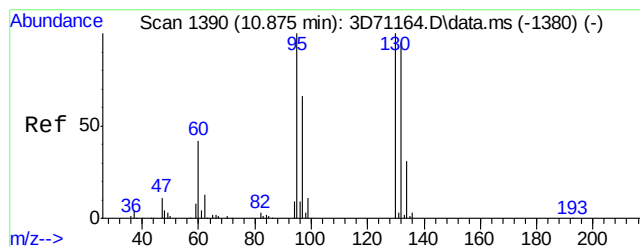
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
Data File : 3D71700.D
Acq On : 31 Mar 2012 1:55 am
Operator : natet
Sample : JB2750-4
Misc : MS27613,V3D3102,W,,,,,1
ALS Vial : 36 Sample Multiplier: 1

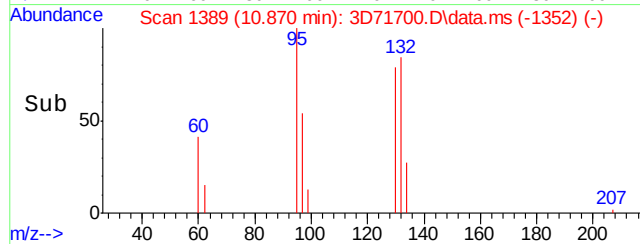
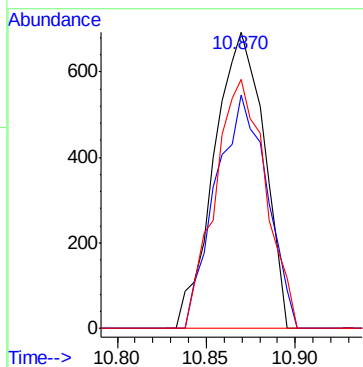
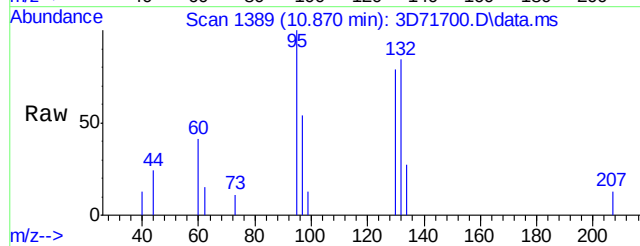
Quant Time: Apr 02 12:18:38 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration





#62
trichloroethene
Concen: 0.74 ug/L
RT: 10.870 min Scan# 1389
Delta R.T. -0.005 min
Lab File: 3D71700.D
Acq: 31 Mar 2012 1:55 am

Tgt Ion	Ratio	Lower	Upper
95	100		
130	78.9	70.4	130.4
132	84.1	65.4	125.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
 Data File : 3D71701.D
 Acq On : 31 Mar 2012 2:23 am
 Operator : natet
 Sample : JB2750-5
 Misc : MS27613,V3D3102,W,,,,1
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Apr 02 12:19:18 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	108140	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	199335	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	322106	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	267652	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.976	152	125489	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	87691	53.86	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	107.72%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	102269	56.23	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	112.46%		
72) toluene-d8 (s)	12.159	98	300914	49.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	98.80%		
98) 4-bromofluorobenzene (s)	14.823	95	108456	51.90	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	103.80%		

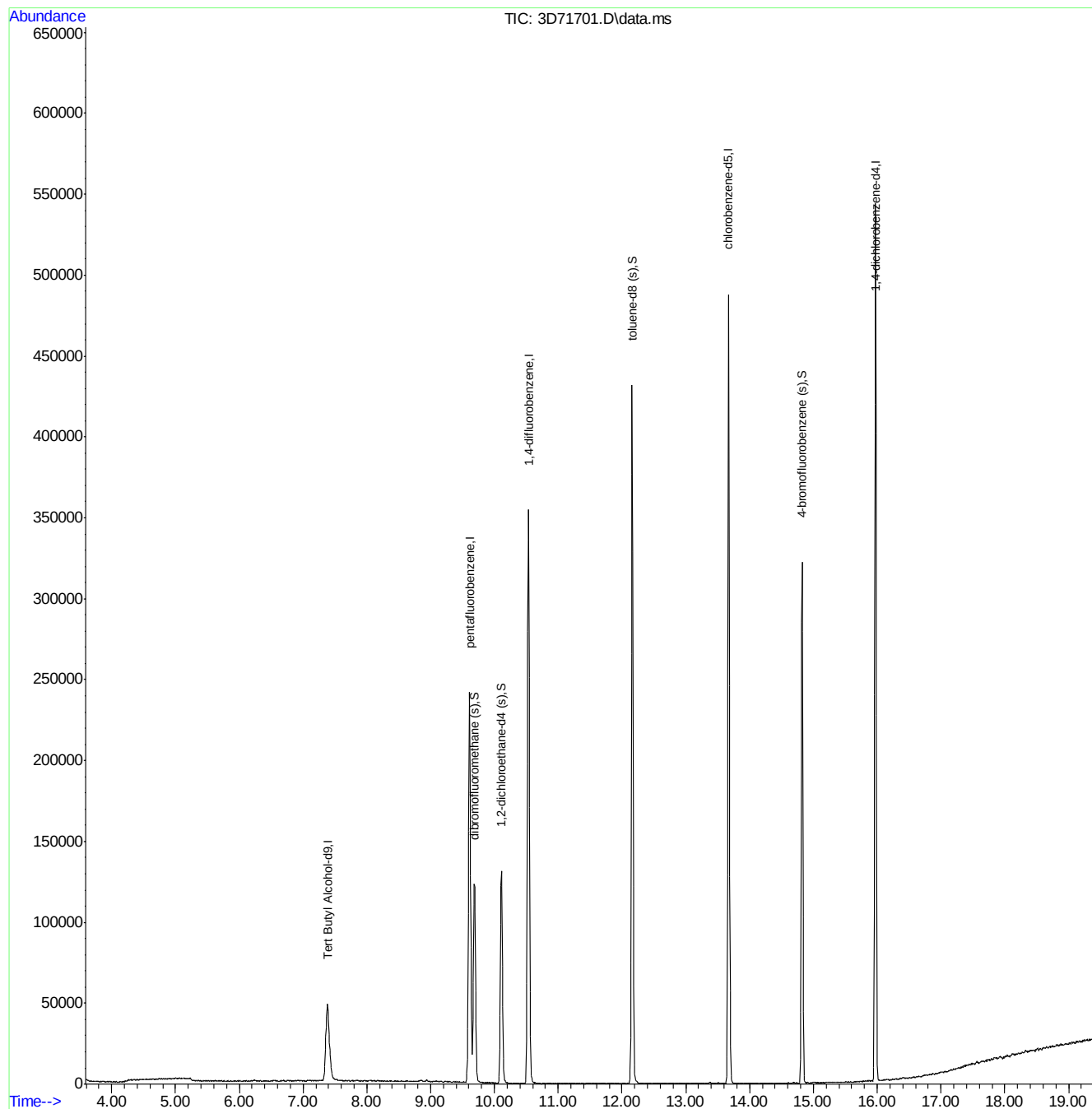
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
Data File : 3D71701.D
Acq On : 31 Mar 2012 2:23 am
Operator : natet
Sample : JB2750-5
Misc : MS27613,V3D3102,W,,,,,1
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Apr 02 12:19:18 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
 Data File : 3D71702.D
 Acq On : 31 Mar 2012 2:51 am
 Operator : natet
 Sample : JB2750-6
 Misc : MS27613,V3D3102,W,,,,1
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Apr 02 12:19:57 2012
 Quant Method : C:\msdchem\1\METHODS\M3D3076.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon Mar 19 13:32:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	107581	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	196622	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	317830	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	266490	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.976	152	124843	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	86525	53.88	ug/L	-0.01
Spiked Amount 50.000	Range 77 - 120		Recovery =	107.76%		
44) 1,2-dichloroethane-d4 (s)	10.109	65	101744	56.71	ug/L	-0.01
Spiked Amount 50.000	Range 70 - 127		Recovery =	113.42%		
72) toluene-d8 (s)	12.159	98	296748	49.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	98.74%		
98) 4-bromofluorobenzene (s)	14.823	95	107718	51.81	ug/L	0.00
Spiked Amount 50.000	Range 76 - 118		Recovery =	103.62%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
Data File : 3D71693.D
Acq On : 30 Mar 2012 10:39 pm
Operator : natet
Sample : MB1
Misc : MS27613,V3D3102,W,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 02 12:12:37 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.378	65	108727	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	197496	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	315142	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	262194	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.976	152	124950	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	85632	53.08	ug/L	-0.01
Spiked Amount	50.000	Range	77 - 120	Recovery	=	106.16%
44) 1,2-dichloroethane-d4 (s)	10.109	65	100853	55.97	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 127	Recovery	=	111.94%
72) toluene-d8 (s)	12.159	98	294575	49.42	ug/L	0.00
Spiked Amount	50.000	Range	79 - 120	Recovery	=	98.84%
98) 4-bromofluorobenzene (s)	14.823	95	107028	51.44	ug/L	0.00
Spiked Amount	50.000	Range	76 - 118	Recovery	=	102.88%

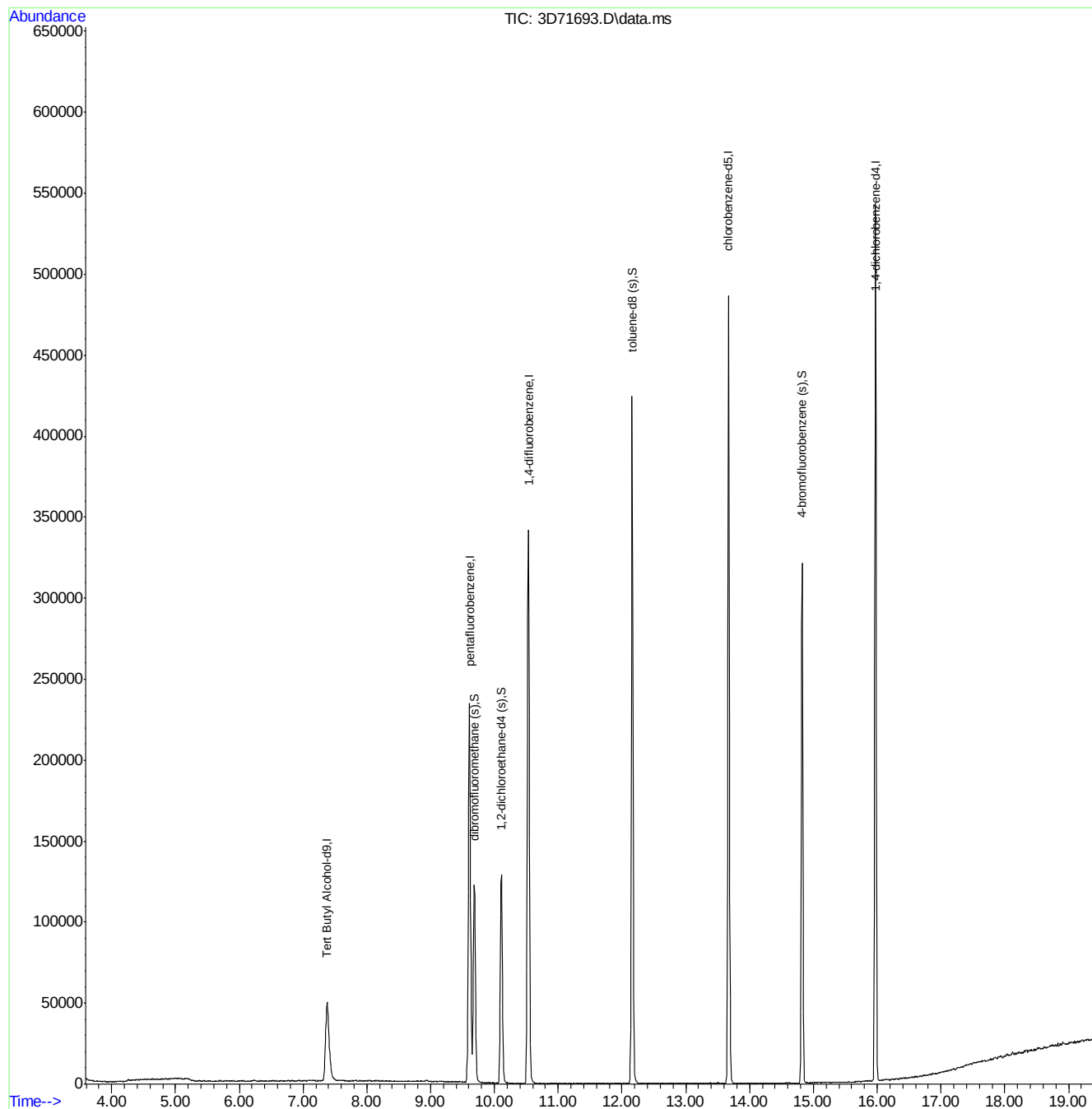
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3102\
Data File : 3D71693.D
Acq On : 30 Mar 2012 10:39 pm
Operator : natet
Sample : MB1
Misc : MS27613,V3D3102,W,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 02 12:12:37 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3105\
Data File : 3D71769.D
Acq On : 2 Apr 2012 10:17 am
Operator : natet
Sample : MB1
Misc : MS27605,V3D3105,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 16:48:52 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	118296	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	204910	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	333495	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	276236	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.971	152	128433	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	90865	54.29	ug/L	-0.01
Spiked Amount	50.000	Range 77 - 120	Recovery	=	108.58%	
44) 1,2-dichloroethane-d4 (s)	10.109	65	106708	57.08	ug/L	-0.01
Spiked Amount	50.000	Range 70 - 127	Recovery	=	114.16%	
72) toluene-d8 (s)	12.159	98	309392	49.05	ug/L	0.00
Spiked Amount	50.000	Range 79 - 120	Recovery	=	98.10%	
98) 4-bromofluorobenzene (s)	14.823	95	113845	53.23	ug/L	0.00
Spiked Amount	50.000	Range 76 - 118	Recovery	=	106.46%	

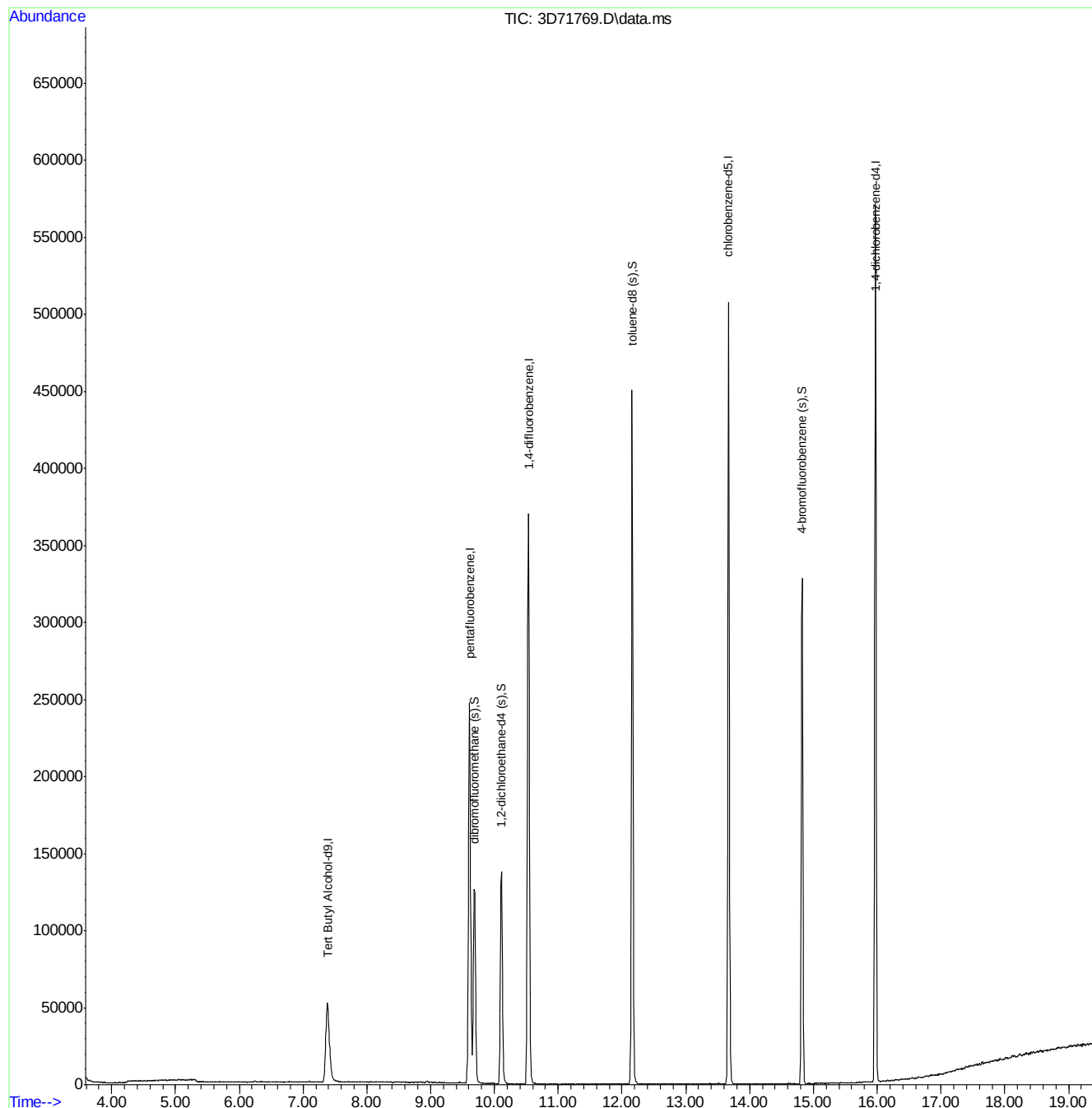
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3105\
Data File : 3D71769.D
Acq On : 2 Apr 2012 10:17 am
Operator : natet
Sample : MB1
Misc : MS27605,V3D3105,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 16:48:52 2012
Quant Method : C:\msdchem\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3107\
Data File : 3D71820.D
Acq On : 3 Apr 2012 11:25 am
Operator : natet
Sample : MB1
Misc : MS27676,V3D3107,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 15:41:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.383	65	115717	500.00	ug/L	-0.02
4) pentafluorobenzene	9.611	168	209757	50.00	ug/L	0.00
51) 1,4-difluorobenzene	10.534	114	340234	50.00	ug/L	0.00
80) chlorobenzene-d5	13.669	117	276488	50.00	ug/L	-0.01
96) 1,4-dichlorobenzene-d4	15.971	152	127239	50.00	ug/L	-0.01
System Monitoring Compounds						
43) dibromofluoromethane (s)	9.684	113	92163	53.79	ug/L	-0.01
Spiked Amount	50.000	Range	77 - 120	Recovery	=	107.58%
44) 1,2-dichloroethane-d4 (s)	10.109	65	109183	57.05	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 127	Recovery	=	114.10%
72) toluene-d8 (s)	12.159	98	316669	49.21	ug/L	0.00
Spiked Amount	50.000	Range	79 - 120	Recovery	=	98.42%
98) 4-bromofluorobenzene (s)	14.823	95	113441	53.54	ug/L	0.00
Spiked Amount	50.000	Range	76 - 118	Recovery	=	107.08%

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D\V3D3107\
Data File : 3D71820.D
Acq On : 3 Apr 2012 11:25 am
Operator : natet
Sample : MB1
Misc : MS27676,V3D3107,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 04 15:41:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\M3D3076.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon Mar 19 13:32:47 2012
Response via : Initial Calibration

