Periodic Review Report

Johnson & Hoffman Manufacturing Corp.
NYSDEC Site Number V-00684

40 Voice Road
Carle Place, New York

October 2021

Prepared for:

Manley Holdings, Inc.
40 Voice Road Realty, LLC

Prepared by:

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CERTIFICATION

I, BRICE W. LYNCH, am currently a registered professional geologist licensed by the State of New York, I had direct responsibility for the preparation of this Periodic Review Report. To the best of my knowledge and belief, the work and conclusions in this certification are in accordance with the requirements of the site management plan; and the information presented substantial conforms with DER Technical Guidance for Site Investigation and Remediation (DER-10).

For the periodic review report for those site remedial programs undertaken pursuant to subdivision 1.2(a), where an institutional control/engineering control (IC/EC) certification is to be provided:

"For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

(a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
(c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
(d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Brice W Lynch, P.G
Project Manger
Date 8/6/2021

CERTIFICATION

I, STEPHEN A. MIRABELLO, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for the preparation of this Periodic Review Report. To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

For each institutional or engierring control identified for the site, I certify that all of the following statements are true:

(a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) nothing has occurred that would impair the ability of such control to protect public health and the environment;
(c) nothing has occurred that would constitute a biolation or failure to comply with any Site Management Plan for this control;
(d) access to the site will continue to be provided to the NYSDEC to evaluate the continue3d maintenance of this control.

I certify that all information and statement in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Stephen A. Mirabello, of 105 Maxess Road, Melville, New York, am certifying as the Owner's Designated Site Representative and I have been authorized and designated by Owner to sign this certification for the site.

This Periodic Review Report (PRR) is a required element of the Site Management Plan (SMP) for the Johnson & Hoffman Manufacturing Corporation Site located in Carle Place, New York (hereinafter referred to as the "Site"), see Figure 1. The Site is currently in the New York State (NYS) Voluntary Cleanup Program (VCP) Site No. V-00684 which is administered by New York State Department of Environmental Conservation (NYSDEC).

Volunteers CAWSL Enterprises, Inc. and AMI Johnson, LLC entered into a Voluntary Cleanup Agreement (VCA) on July 16, 2004 with the NYSDEC to remediate the site. VCA Amendment No. 1 executed September 12, 2017 modified the agreement to establish the current Volunteers as CAWSL, Manley Holdings, Inc. and Ansaco Properties One, LLC (collectively, the Volunteers). A figure showing the site location and boundaries of this site is provided in Figure 1.

After completion of the remedial work, some subsurface contamination remains at the Site. That remaining contamination is being addressed by Institutional and Engineering Controls (ICs and ECs) pursuant to a Site Management Plan (SMP), which remains in effect. The SMP obligations are also reflected in Institutional Controls (ICs), including a Declaration of Covenants and Restrictions that has been duly recorded in November 2016 in accordance with the requirements of the Voluntary Cleanup Agreement.

This Periodic Review Reports purpose is to document that the ICs and ECs remain in place and continue to be effective.

A summary of the results of the periodic monitoring described in this report are as follows:

- The annual inspection confirmed that the integrity of the Site cover system remains intact;
- Since start-up in August 2011, the Sub Slab Depressurization System (SSDS) has been performing effectively and is protective of public health. If significant future modifications to the system are required, the Department will be contacted immediately;
- Indoor air and soil vapor samples were not collected due to SSDS maintaining necessary coverage;
- Four annual groundwater sampling events have been conducted since the SMP implementation and the results show that concentrations of Polyaromatic Hydrocarbons (PAHs) in all monitoring wells have

decreased. The removal of the source and monitored natural attenuation (MNA) remains an effective remedy;

- Ownership has changed from Anasco Properties One LLC to 40 Voice Road Realty, LLC; and

- In summary, the ICs and ECs remain in place and effective.

1.0 SITE OVERVIEW

Volunteers successfully completed the remedial work from September through November 2017 in accordance with the December 2016 Remedial Action Work Plan. Soil above commercial Soil Cleanup Objectives (SCOs) was removed from the remaining AOCs and replaced with clean fill as detailed below:

AOC 1: Drainage systems that included: (1) two floor drains located south of the compressor and annealing rooms and the discharge point in dry well SWCB-1; and (2) an isolated former dry well/drain in the compressor room. Soil was removed from one dry well SWCB-01 down to a depth of 22 feet below grade.

AOC 4: Accumulation of scrap parts and tumbling media on the ground surface in the southwest portion of the site. Surface soil was removed at two locations for the AOC. The primary excavation (AOC4) measured approximately 28x28 feet and the secondary (AOC 4J) measured approximately 17.5x20 feet. Each excavation was 1.5 feet deep.

AOC 5: Storm water recharge basin located in the southwest portion of the site. Soil was removed from one dry well SWCB-02 down to a depth of 14feet below grade. Soil was removed from one dry well SWCB-03 down to a depth of 11.5 feet below grade. Additional soil removal was performed at the recharge basin associated with this AOC. The excavation was approximately 20x20x 9 feet.

AOC 8: The southeast dry well is located outside the southeast corner of the building and the soil was removed down to a depth of 27.5 feet below grade.

AOC 9: The northeast dry well is located outside the northeast corner of the building and the soil was removed down to a depth of 22 feet below grade.

All dry well locations were confirmed through the collection of bottom samples and excavations through bottom and sidewall samples. A total of 515 tons of non-hazardous soils were disposed off-site as part of this remedy.

After the successful completion of this work, NYSDEC issued a Release and Covenant Not To Sue as of April 25, 2018.

Notwithstanding the completion of remedial work, limited subsurface contamination remains at the Site. That remaining contamination is being addressed by ECs pursuant to an SMP, which remains in effect. The SMP obligations are also reflected in ICs, The Declaration of Covenants and Restrictions was duly recorded in November 2016 in accordance with the requirements of the Voluntary Cleanup Agreement.

The SMP requires the maintenance of the ECs, as well as the filing of PRRs to document that the ICs and ECs remain in place and continue to be effective.

2.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, & PROTECTIVENESS

The following remedial action objectives (RAOs) were achieved by the groundwater and soil vapor remedies.

Groundwater

RAOs for Public Health Protection

- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.
- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

Impacted groundwater is located in the upper glacial aquifer. The periodic monitoring of groundwater will continue until the remedial objectives have been achieved, or until the NYSDEC, in consultation with NYSDOH, determines that continued monitoring is not needed because the remedial goals were achieved or the concentration of contaminants are asymptotic.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practible.
- Remove the source of ground or surface water contamination.

Groundwater is being monitored annually as mandated in the SMP. The periodic monitoring of groundwater will continue until the remedial objectiveshave been achieved, or until the NYSDEC, in consultation with NYSDOH, determines that continued monitoring is not needed because the remedial goals were achieved or the concentration of contaminants are asymptotic.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil

The remaining impacted soil that is left in place is either located at depth in drywells or is inaccessible by a Site Cover System and the prevention of exposure to volatilizing contaminants in the soil is controlled by the SSDS.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

The site cover system and source removal of impacted soil controls the migration of contaminants.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

The sub-slab soil vapor is continually being removed from beneath the building slab through the SSDS. Two vapor extraction points (VEW-5 and VEW-6) are piped below the building slab to an existing, nearby column where the piping runs to the ceiling and to a common manifold. From the manifold, the vapor is piped through an exterior wall and runs up to an exhaust pipe 5 feet above the roofline.

To increase the efficiency of the SSDS and to prevent short circuiting during operation, all cracks and holes in the floor slab were previously sealed using polyurethane sealant and concrete. The intregrity of the floor slab is inspected annually through visual assessment and vacuum monitoring.

3.0 INSTITUTIONAL CONTROLS & ENGINEERING CONTROLS COMPLIANCE REPORT

The required Institutional & Engineering Controls Certification Form has been completed and signed by the Volunteer and by ERM Consulting & Engineering, Inc.'s (ERM) engineer-of-record. This is provided as Appendix A. ERM conducted a Site-wide annual inspection on June 30, 2021. The results of the inspection are documented in the Annual Site Inspection Form (Appendix B). A summary of the status of the ICs and ECs is provided in the following sections.

3.1 INSTITUTIONAL CONTROLS

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Below are the Site restrictions in italics followed by a statement regarding its status:

The property may only be used for commercial or industrial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed;

The long-term Engineering and Institutional Controls remained in place throughout this reporting period and the Site use was and remains as commercial.

The property may not be used for a higher level of use, such as unrestricted, residential, or restricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;

The Site use during this reporting period was and remains as commercial.

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;

There have been no activities at the Site since filing the Environmental Easement that has resulted in the disturbance of the remaining contaminated material.

The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

Groundwater was not used during this reporting period, and its use will remain prohibited.

The potential for vapor intrusion must be evaluated for any new buildings developed on the Site, and any potential impacts that are identified must be monitored or mitigated;

No new buildings have been constructed during this reporting period.

The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP.

Appendix A contains this signed certification.

In summary, the ICs remain in place and effective.

3.2 ENGINEERING CONTROLS

3.2.1 Site Cover System

A site cover currently exists at the site consisting of the existing buildings, pavement and one foot of clean soil in dry wells SWCB-02 and SWCB-03. There have been no disturbances to the Site Cover System during this reporting period.

A site cover will be maintained as a component of any future site development to allow for the commercial use of the site, which will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs. Where a soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

3.2.2 Sub-Slab Depressurization System

A multipoint soil vapor extraction system (SVE) was installed as part of an IRM to address SVI concerns at AOC 7 in 2006. The effectiveness of the remedy was assessed and excavation was performed in 2011 to remove exterior soils that were not remediated by the system. Concurrent with the excavation, the SVE system was converted to a two point SSDS with a extraction points at VEW-5 and VEW-6. The system is currently operating with an equipment trailer outside the south wall of the facility. The institutional controls and engineering layout is shown on Figure 2.

The primary goal of the SSDS is to mitigate soil vapors beneath the site building and serve as a control for potential vapor intrusion to the building interior.

The approximate operational flowrate for the system is 230 cubic feet per minute. The system also included granulated activated carbon treatment when installed; however, this was discontinued as a result of decreased influent concentrations at completion of the IRM and approval from NYSDEC to discharge to the atmosphere in 2012. The system is exempt from a permit based upon the calculated mass discharge.

4.0 MONITORING PLAN COMPLIANCE REPORT

4.1 COMPONENTS OF MONITORING PLAN

The following table summarizes the elements of the monitoring program:

Monitoring Program	**Frequency***	**Matrix**	**Analysis**
SSD System	Quarterly	Operational	Operating Log
Site Cover System	Annually	Not applicable	Visual
Vacuum Monitoring Points	Quarterly	Soil vapor	Vacuum
SSD exhaust	Annually	Soil vapor	VOCs via EPA Method TO-15
Soil Vapor and Indoor Air	As directed by DEC/DOH, or as elected by the Volunteers	Soil Vapor and Indoor Air	VOCs via EPA Method TO-15
Monitoring Well Network	Annually	Groundwater	VOCs via EPA Method 8260C and PAHs via EPA Method 8270D

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.

Operation Logs are provided in Appendix C.

4.2 SUMMARY OF MONITORING COMPLETED

4.2.1 Site Cover System

The cracks and holes in the floor slab were sealed using polyurethane sealant and concrete. An annual site inspection was performed to monitor the condition of the Site Cover System. The annual inspection confirmed that the integrity of the Site cover system remains intact. A copy of the inspection form is provided as Appendix B.

4.2.2 Sub-Slab Depressurization System

During this reporting period, quarterly inspections and vacuum measurements have occurred to confirm that the SSDS is operating properly, and logs are compiled to record system parameters to assure the system is working effectively.

As no major system changes were made in this period, no sub-slab or indoor air sampling was performed in accordance with the approved SMP. The SSDS effluent results have been evaluated with the DAR-1 Annual Guideline Concentrations. The SSDS effluent analytical report is provided in Appendix D.

Quarterly vacuum measurements were collected from the system piping at the blower unit, one extraction point and the sub-slab vacuum measurement ports. The results are summarized below. See Figure 3 for the SSDS measurement locations.

Blower Inlet & Extraction Point Vacuum Measurements

	Pressure ("WC")				
ID	3/8/16	3/7/18	6/14/18	9/14/18	11/13/18
VEW-5	-37	-35	-36	-38	-41
VEW-6	Off line	Off line	Off line	Off line	Off line

	Pressure ("WC")				
ID	11/13/18*	2/12/18	5/10/19	6/3/19	6/20/19
VEW-5	-14	-14.5	-15	-15	-14
VEW-6	-14	-15	-15	-15	-15

	Pressure ("WC")					
ID	9/11/19	12/19/19	3/16/20	5/8/20	6/5/20	6/19/20
VEW-5	-14	-14	-14	-14	-14	-14
VEW-6	-14	-13	-13	-13.5	-13.5	-13.5

	Pressure ("WC")					
ID	8/7/20	9/18/20	11/2/20	12/30/20	3/31/21	6/30/21
VEW-5	-14	-14.5	-14	-14.5	-14	-14
VEW-6	-14	-14.5	-14	-14.5	-14	-14

*VEW-6 was opened to induced influence at the gauging points, see before and after data 11/13/18

Cumulative pressure readings collected from the system piping at the inlet to the blower and the from VEW-5 and VEW-6 extraction points in June 2021 are different to the readings obtained upon system startup in November 2011. The inlet pressure dropped from -40" WC pre VEW-5 and VEW-6 being online to -

25 WC post VEW-5 and VEW-06 being online. The reasoning for the difference is that the high flow rate with the additional VEW online created less resistance in the system effectively decreasing the inlet vacuum. This indicates the system is working within the original system specifications and is also confirmed by the SSDS influence measurements.

SSDS Influence Measurements

	Pressure ("WC")				
ID	7/22/11	9/26/11	3/7/12	4/23/13	2/17/14
JH-SS-01	-0.005	-0.005	+0.003	0.000	0.000
JH-SS-02	-0.021	-0.020	+0.003	0.000	-0.012
JH-SS-03	-0.025	-0.022	0.000	0.000	-0.018
JH-SS-04	-0.065	-0.060	-0.023	-0.034	-0.033
JH-SS-05	-0.176	-0.164	-0.129	-0.160	-0.185
AV-1	-0.176	-0.166	--	-0.190	-0.203
AV-2	-0.366	-0.360	--	-0.370	-0.366

	Pressure ("WC")				
ID	3/8/16	3/7/18	6/14/18	9/14/18	11/13/18
JH-SS-01	*	0.000	-0.012	-0.003	+0.006
JH-SS-02	-0.005	+0.009 to +0.016	-0.008	-0.012	+0.014
JH-SS-03	-0.007	-0.001 to +0.003	-0.014	-0.004	+0.003
JH-SS-04	-0.032	-0.017	-0.052	-0.001	-0.009
JH-SS-05	-0.162	-0.194	-0.252	-0.110	-0.193
AV-1	-0.255	-0.215	-0.295	-0.262	-0.254
AV-2	-0.376	-0.370	-0.399	-0.390	-0.395

*JH-SS-01 located in lunch room had flooring laid over it. Status unknown

	Pressure ("WC")				
ID	11/13/18*	2/12/19	5/10/19	6/3/19	6/20/19
JH-SS-01	+0.007	-0.007	+0.004	0.000	+0.001
JH-SS-02	-0.017	-0.016	+0.174**	-0.017	-0.005
JH-SS-03	-0.009	-0.009	-0.015	-0.014	-0.005
JH-SS-04	-0.007	-0.031	-0.048	-0.042	-0.087
JH-SS-05	-0.228	-0.212	-0.262	-0.275	-0.293
AV-1	-0.109	-0.275	-0.289	-0.274	-0.294
AV-2	-0.228	-0.410	-0.424	-0.412	-0.451

*VEW-6 was opened to induce influence at the gauging points. See before/after date 11/13/18

** A high-demand air compressor was operating nearby which affected the reading

	Pressure ("WC")				
ID	9/11/19	12/19/19	3/16/20	6/5/20	9/18/20
JH-SS-01	-0.015	-0.009	-0.016	-0.006	-0.006
JH-SS-02	-0.028	-0.018	-0.020	-0.026	-0.019
JH-SS-03	-0.010	-0.036	-0.014	-0.020	-0.026
JH-SS-04	-0.062	-0.027	-0.036	-0.069	-0.052
JH-SS-05	-0.264	-0.207	-0.197	-0.239	-0.221
AV-1	-0.284	-0.489	-0.212	-0.256	-0.239
AV-2	-0.436	-0.443	-0.358	-0.527	-0.418

	Pressure ("WC")				
ID	12/30/20	3/31/21	6/30/21	7/16/21	
JH-SS-01	-0.006	-0.003	-0.004	-0.004	
JH-SS-02	-0.021	-0.011	-0.019	-0.022	
JH-SS-03	-0.033	-0.012	-0.015	-0.019	
JH-SS-04	-0.042	-0.043	-0.044	-0.058	
JH-SS-05	-0.185	-0.226	-0.196	-0.268	
AV-1	-0.271	-0.326	-0.243	-0.233	
AV-2	-0.417	-0.427	-0.411	-0.430	

The latest quarterly results indicate similar vacuum response compared to historical readings. A small vacuum response was observed at JH-SS-01. This point, as discussed in Section 5.3.1 of the SMP, is located far from previously identified impacts and soil gas impacts are not present beneath this portion of the building.

The remaining vacuum measurement results continue to demonstrate that a consistent sub-slab vacuum was obtained in the majority of the building. Good communication was observed on the southern side of the building at JH-SS-02, JH-SS-03, JH-SS-04, JH-SS-05, AV-1 and AV-2. Accordingly, as the re-activation of VEW-06 did not change communication, sub-slab and indoor air samples were not collected.

Since start-up, the updated SSDS has been performing effectively. If any other significant modifications to the system are required, we will contact the Department immediately.

4.2.3 Soil Vapor and Indoor Air

Soil Vapor and Indoor Air samples were not collected due to the SSDS maintaining necessary coverage.

4.2.4 Monitoring Well Network

Groundwater monitoring has been performed annually since 2018 to assess the performance of the moitored natural attenuation remedy. The network of

monitoring wells has been installed to monitor upgradient, on-site and downgradient groundwater conditions at the site. The network of on-site and off-site wells has been designed based on the following criteria:

Based upon a general southerly gradient, this well network provides adequate upgradient and downgradient conditions at property boundaries and immediately adjacent to historical AOCs. The two off-site wells provide a boundary condition beyond the property line. The sampling is part of the monitored natural attenuation (MNA) remedy following on-site source removal.

The Table below summarizes the wells identification number, as well as the purpose, location, depths, diameter and screened intervals of the wells. As part of the groundwater monitoring, five on-site wells and 2 downgradient wells were sampled to evaluate the effectiveness of the remedial system. All wells are located in the unconfined Upper Glacial Aquifer. On-site groundwater levels measured over the course of the project provide the depth of the water table to be approximately 45 to 46 feet with flow toward the south-southeast. A map showing the locations of the wells with a groundwater contouris provided in Figure 4.

Monitoring Well Construction Details

Monitoring Well ID	Well Location	Coordinates (longitude/ latitude)	Well Diameter (inches)	Elevation (Feet above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
MW-01	On-site	40.744846° N, -73.622666° W	2	110.86	111.36	63.86	53.86
MW-02	On-site	40.745474° N, -73.622116 W	2	112.11	112.61	65.11	55.11
MW-03	On-site	40.745719° N, -73.623105° W	2	112.23	112.73	65.23	55.23
MW-04	On-site	40.746116° N, -73.622332° W	2	108.06	108.56	62.06	52.06
MW-05	On-site	40.745165° N, -73.621972° W	2	112.07	112.57	65.07	55.07
MW-06S	Off-site and downgradient	40.742640° N -73.620869° W	2	107.03	107.883	32.33	22.33
MW-06D	Off-site and downgradient	40.742622° N, -73.620864° W	2	106.82	107.32	-8.18	-18.18

4.3 COMPARISONS WITH REMEDIAL OBJECTIVES

The following RAOs were identified for the Site remedy:

Groundwater

RAOs for Public Health Protection

- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.
- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practible.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

These RAOs were initially achieved by the source removal of impacted soil and the performance of the Site Cover System and SSDS.

Groundwater at the Site is not currently used for domestic purposes.

The SSDS continues to function as designed and is protective of public health. Therefore, continued operation of the SSDS without emission controls is acceptable.

Four annual groundwater sampling events have been conducted since the approved SMP has been implemented. The events were conducted on July

3, 2018, June 19, 2019, May 14, 2020, July 8, 2021 and August 27, 2021. The groundwater analytical results were compared to the New York Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Standards 6/2004 (NY TOGS Class GA GW Standards).

The July 8, 2021 event had exceedances of SVOC PAHs at MW-01, MW-03, MW-04, MW-06S. There were no exceedances of SVOC PAHSs at MW-02, MW-03 and MW-06D. The exceedances are relatively minor and occur sporadically. The groundwater analytical reports are provided in Appendix E.

One VOC exceedance of Tetrachloroethene (PCE) (143 ug/L) was detected during the July 2021 groundwater sampling event at MW-06S. The exceedance was an estimated value and ERM was concerned with the accuracy of the data. Tetrachloroethene has not exceeded the NY TOGS Class GA GW Standards at MW-06S previously and concentrations have not been detected at similar concentrations at upgradient on-site monitoring wells MW-01 and MW-05 since 2002 and 2005 respectively.

ERM discussed the estimated result from MW-06S with the NYSDEC project manager and it was determined that ERM should resample MW-06S and collect a blind duplicate. The resampling of MW-06S resulted in a value of 86.1 ug/L and the blind duplicate was 87.5 ug/L for PCE.

Historically PCE has been detected on the site, however concentrations at MW-06S haven't been detected at these levels in the past. ERM will continue to monitor MW-06S in future groundwater sampling events in order to determine if the PCE exceedances continue. After discussions with the NYSDEC it was determined that a semiannual groundwater sample will be collected from MW-06S in approximately six months (January 2022).

4.4 MONITORING DEFICIENCIES

The quarterly and annual monitoring programs were completed in full compliance with the SMP. The SSDS and vacuum monitoring points were inspected and measured on a quarterly basis. The Site Cover System, SSDS exhaust and monitoring well network were inspected and samples were collected on a annual basis.

4.5 CONCLUSIONS & RECOMMENDATIONS FOR CHANGE

The data collected over the course of this reporting period indicates that the SSDS, Site Cover System and groundwater remedy are functioning as designed and are meeting the RAOs for the Site.

5.0 OPERATION & MAINTENANCE PLAN COMPLIANCE

5.1 SUB-SLAB DEPRESSURIZATION SYSTEM

This section of the SMP describes the ongoing O&M activities for the SSDS. A QEP employed by ERM performs O&M activities outlined here (hereafter referred to as the "operator" of the SSDS). The principal objectives of the O&M activities of the Site are to operate, maintain, and monitor the SSDS for the Site. The goal for operation of the SSDS is to maintain a sub-slab vacuum of at least 0.004 inches water column (w.c.) (during all building and weather conditions) across the southern portion of the building footprint. Routine maintenance and inspection is conducted to ensure that the SSDS is operating properly.

On a quarterly basis, the operator performed the following activities:

- System operating temperature;
- Vapor flow rates (by pressure drop across blower);
- Influent soil vapor concentrations (by PID);
- Exhaust gas concentrations (by PID);
- Runtime;
- Temperature readings at all gauges and at operational air vents;
- Pressure/vacuum readings at all gauges;
- Integrity of system piping;
- Any shutdown conditions and responses;
- Measurement of differential pressure at sub-slab points;
- Leak detection and repair; and
- All maintenance items listed in manufacturer equipment recommendations

On an annual basis, the operator performed the following activities:

- Conduct a visual inspection of the complete system;
- Inspect the floor slab and foundation walls for any evidence of cracks and/or holes, and repair of cracks and/or holes, if required;
- Inspect the integrity and repair the pipes, if required; and
- Collected a sample of the SSDS effluent emissions to the atmosphere

All other routine maintenance activities and schedules are performed in accordance with the manufacturer recommendations contained within the Blower System Owner's Manual.

Data provided in the Annual Inspection Form and Operating Logs, Appendix B and C, respectively, indicate that the system is meeting the RAO's for the Site.

5.3 O&M DEFICIENCIES

Quarterly and annual inspections of the SSDS were performed and data collected indicated that the systems were operating as designed throughout the course of the reporting period.

5.4 CONCLUSIONS & RECOMMENDATIONS FOR CHANGE

The SSDS performed as designed during this monitoring period. ERM will continue to conduct O&M on the SSDS system according to the approved SMP.

6.0 OVERALL PRR CONCLUSIONS & RECOMMENDATIONS

The use of the Site remains solely commercial in compliance with the Environmental Easement. Farming or vegetable gardens were not observed at the Site. Groundwater underlying the Site is reported by the Site owner as not being used in any manner. There has been no disturbance of the Site cover system during this reporting period.

The SSDS has performed as designed during this reporting period and meet the RAOs for the Site.

Over the last year quarterly and annual monitoring of the EC's shows that the system is operating as designed. Continued monitoring at current levels and routine O&M measures assure the safe and effective operation of these ECs.

A summary of ongoing action items is identified below:

- Continue implementing the approved SMP; and
- A semiannual groundwater sample will be collected from MW-06S in approximately six months (January 2022).

Figures

M:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2014\CAD\2014-09 - J&H - Site Location Map - v03.dwg (07/16/2019 - 4:32pm Melville)

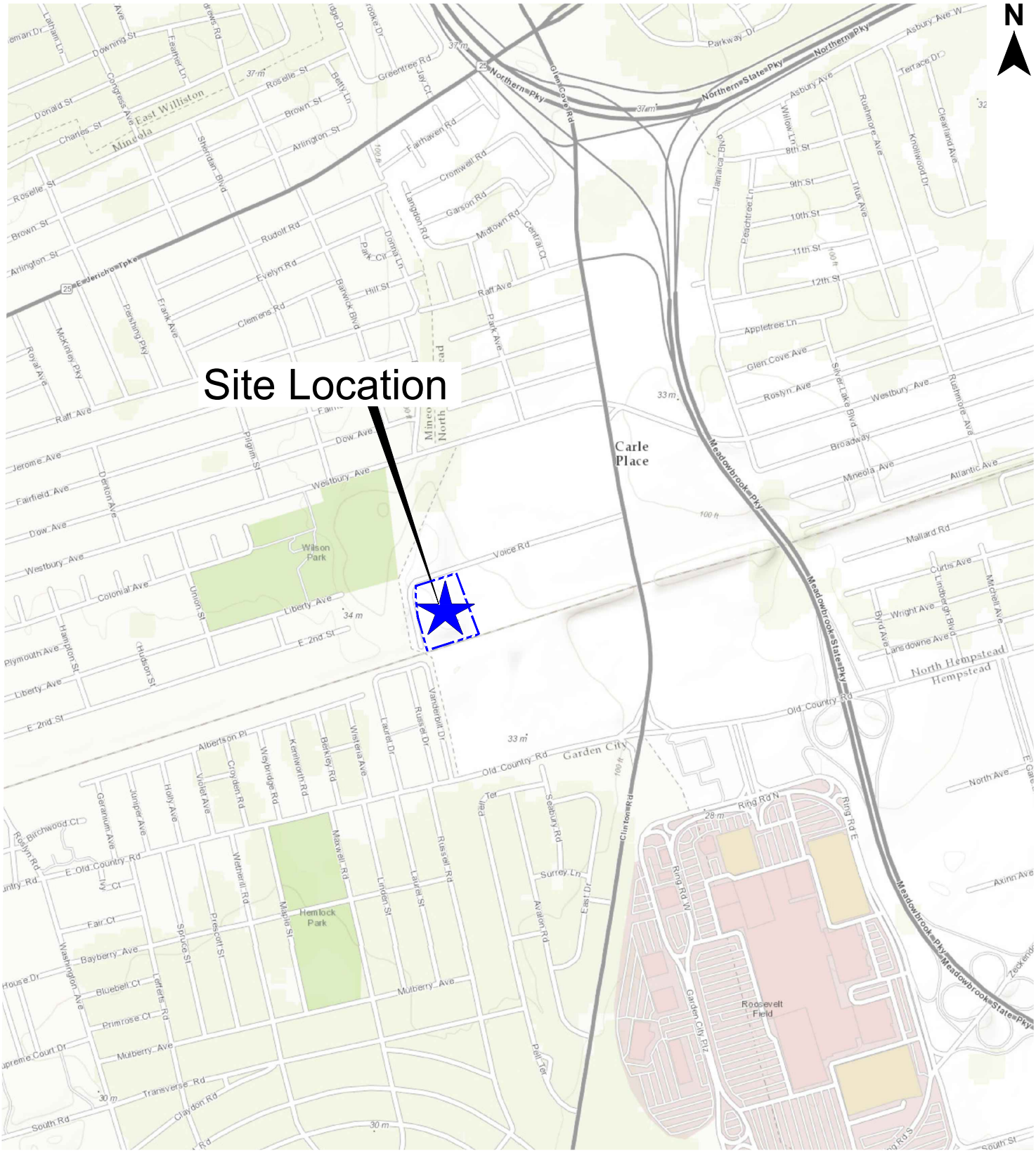

Figure 1
Site Location Map
Site No. V-00684
Johnson & Hoffman Manufacturing
40 Voice Road, Carle Place, NY 11514

0 1000 2000
SCALE FEET

Notes: Base Map - USGS Topo
Freeport, NY Quadrangle 2013
Lynbrook, NY Quadrangle 2013
Hicksville, NY Quadrangle 2013

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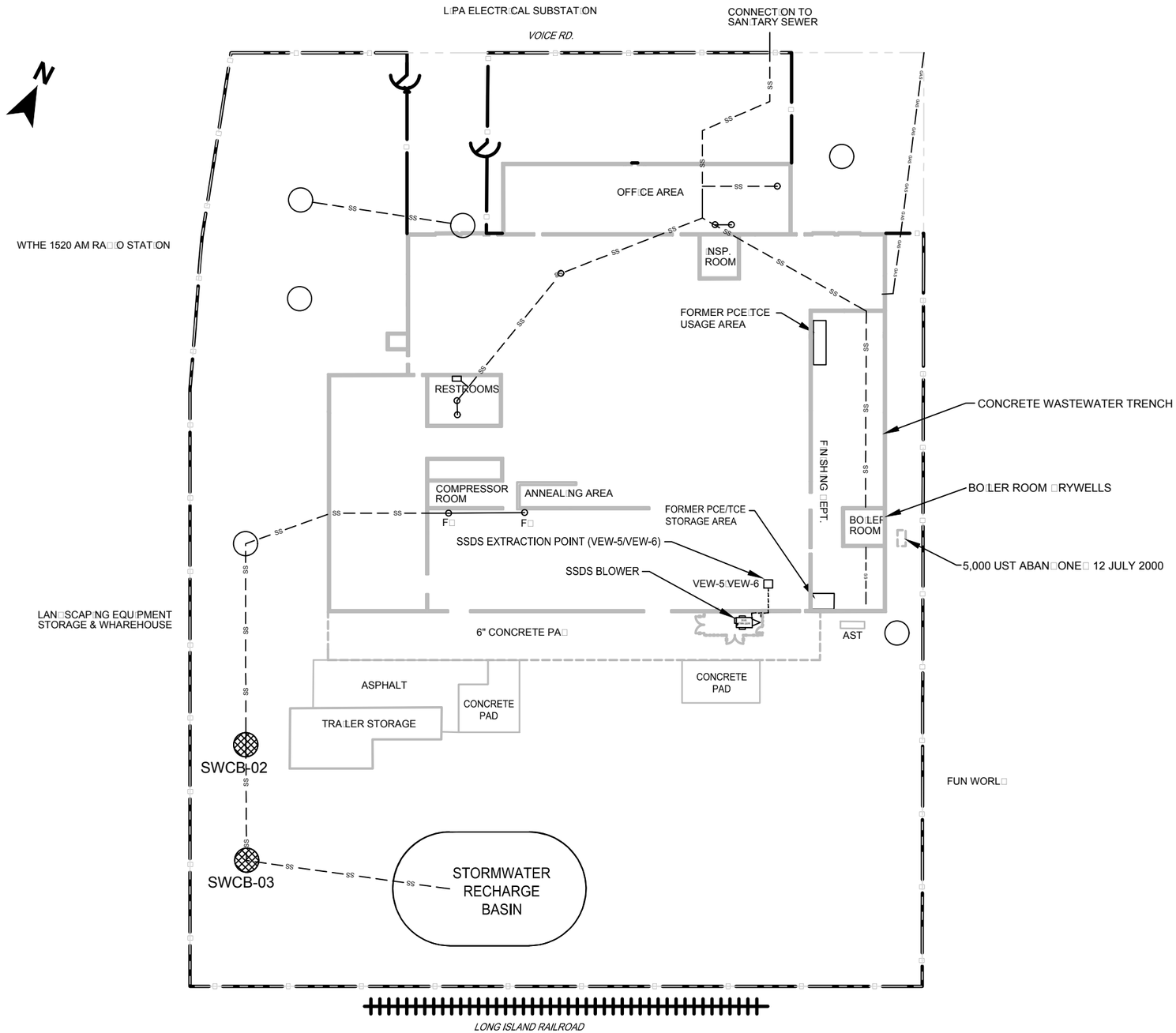

LEGEND

- PROPERTY LINE/IC BOUNDARY
- FENCE
- RAILROAD
- SS SUBSURFACE DRAINAGE
- STORM DRAIN/DRYWELL
- FLOOR DRAIN
- DEED RESTRICTION FOR MAINTENANCE OF SOIL CAP
- LOCATION OF VAPOR EXTRACTION WELL (SHALLOW/DEEP)
- PIPING FOR SSDS EXTRACTION POINT

Notes:

A deed restrictions is imposed on the entire 4.001 acre Site, the Site is subject to the following institutional and engineering controls:

1. Continued operation of the sub-slab depressurization system (SSDS);
2. The site cover will be maintained as a component of any future site development to allow for the commercial use of the site, which will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs.
3. Use and development of the entire property will be is restricted to commercial and industrial uses as defined by 6 NYCRR Part 375-1.8(g), although land use is subject to local zoning laws (currently zoned Industrial B (I-B).
4. The use of groundwater as a source of potable or process water is restricted, without necessary water quality treatment as determined by the NYSDOH or County DOH.
5. Completion and submittal to the Department of a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
6. Compliance with the Departments approved Site Management Plan;
7. Compliance with the Institutional and Engineering Control Plan that identifies all use restrictions and engineering controls for the site and details the steps and media-specific requirements necessary to ensure the following institutional and/or engineering controls remain in place and effective;
8. Compliance with the Site Monitoring Plan to assess the performance and effectiveness of the remedy; and
9. Compliance with the Operation and Maintenance (O&M) Plan to ensure continued operation, maintenance, optimization, monitoring, inspection, and reporting of any mechanical or physical components of the remedy.

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Figure 2
Institutional Controls
& Engineering Layout
Johnson & Hoffman Manufacturing
40 Voice Road, Carle Place, NY 11514

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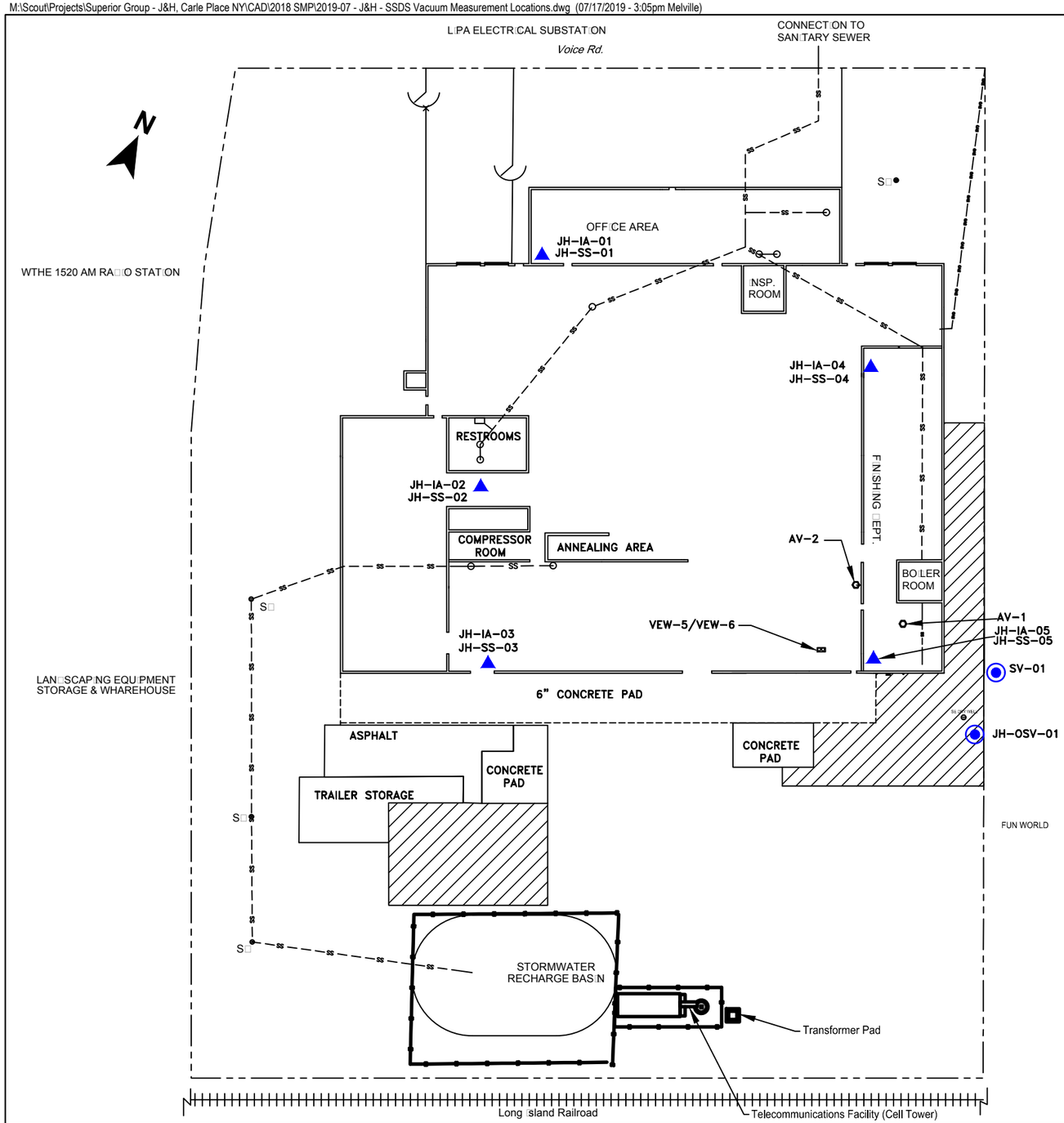

LEGEND

- Property Line/EC Boundary
- Fence
- Railroad
- Subsurface Drainage
- S — Storm Drain Manhole/Dry Well
- Indoor Air/Sub-Slab Soil Vapor Sample Location Requiring Mitigation
- Indoor Air/Sub-Slab Soil Vapor Sample Location
- Soil Vapor Sampling Location
- F — Floor Drain
- 3 Inch Asphalt Cap With 6-Mil Polyethylene Liner
- Air Vent/Vacuum Monitoring Point (AV)
- VEW-5 — SVE Well Converted to an SS/ Well

0 60 120

SCALE FEET

Figure 3
SSDS Vacuum Measurement Locations
Johnson & Hoffman Manufacturing
40 Voice Road, Carle Place, NY 11514

M:\Scout\Projects\Superior Group - J&H, Carle Place NY\CAD\2018 SMP\2019-07 -J&H - GW Contour Map-June 2019.dwg (08/13/2019 - 2:20pm Melville)

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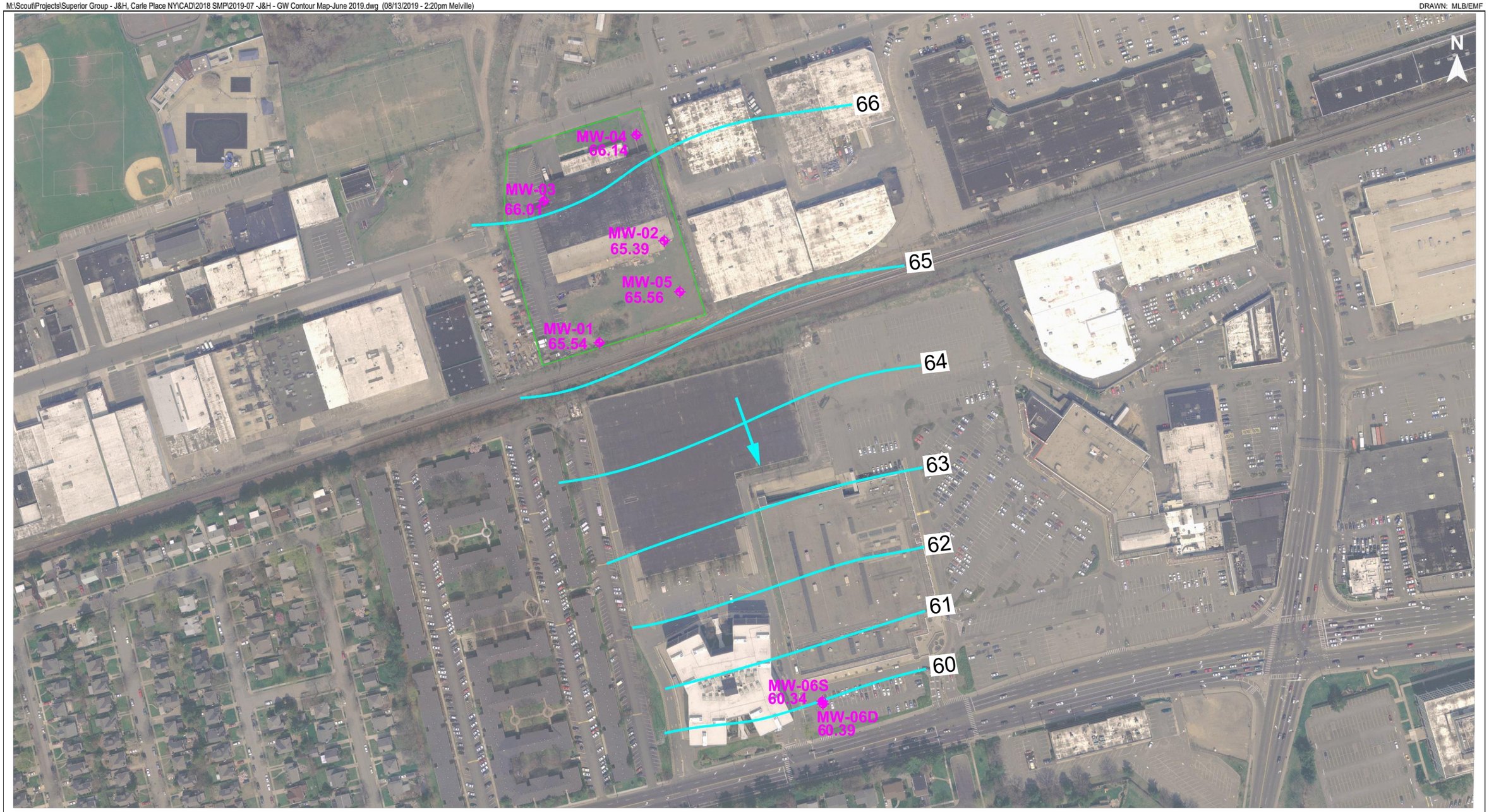

LEGEND

- Property Line/IC Boundary
- Monitoring Well Location
- Groundwater Elevation Contour
- 62.24 Groundwater Elevation Data
- Groundwater Flow Direction

NOTE

Groundwater Elevation Data in Feet Above Mean Sea Level

0 200 400
SCALE FEET

Figure 4
Water Table Contour Map
08 July 2021
Johnson & Hoffman Manufacturing
40 Voice Road, Carle Place, NY 11514

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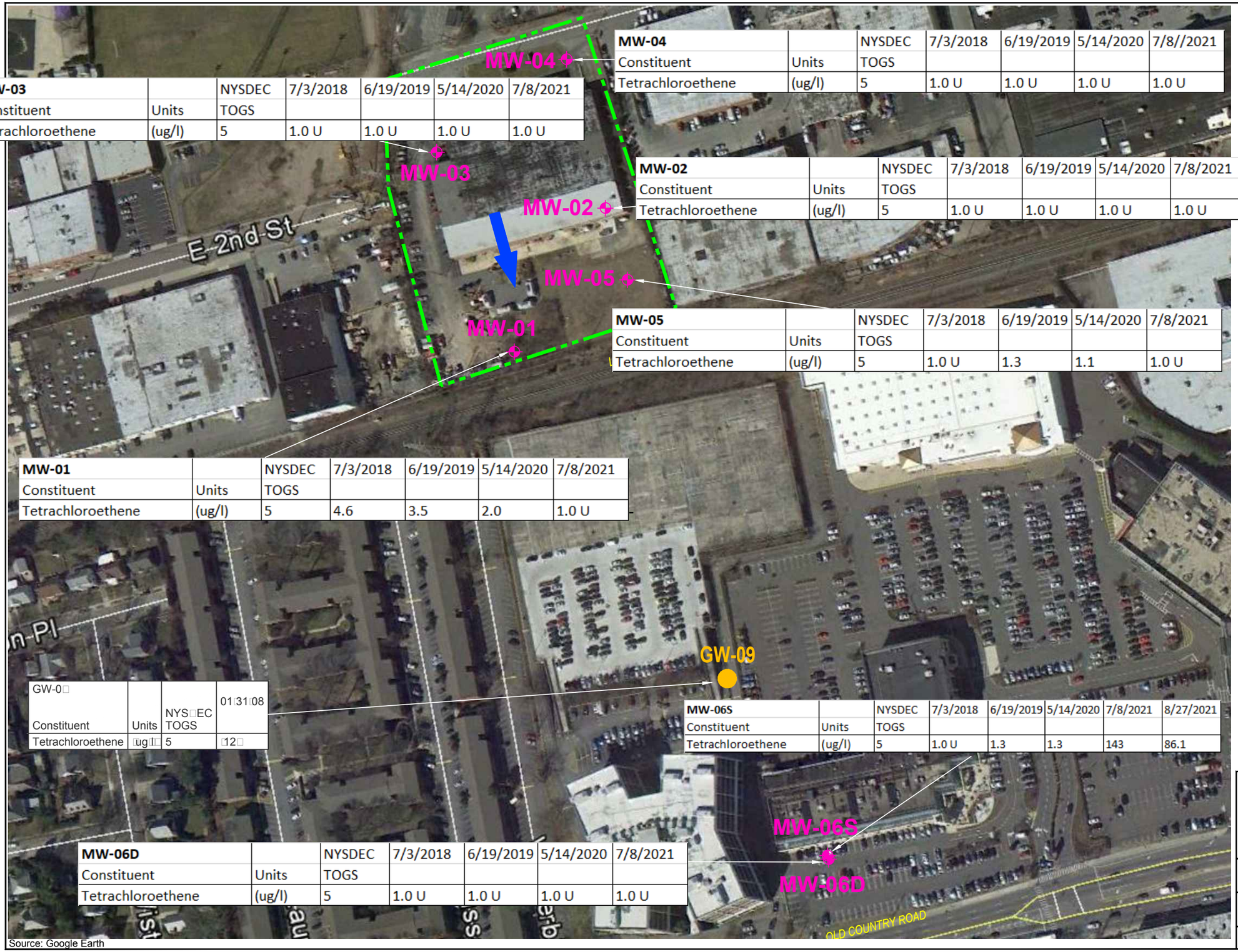

MW-03		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	1.0 U	1.0 U	1.0 U	1.0 U

MW-04		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8//2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	1.0 U	1.0 U	1.0 U	1.0 U

MW-02		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	1.0 U	1.0 U	1.0 U	1.0 U

MW-05		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	1.0 U	1.3	1.1	1.0 U

MW-01		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	4.6	3.5	2.0	1.0 U

GW-0□			
Constituent	Units	NYS□EC TOGS	01□31□08
Tetrachloroethene	□ug/l□	5	□12□

MW-06S		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021	8/27/2021
Constituent	Units	TOGS					
Tetrachloroethene	(ug/l)	5	1.0 U	1.3	1.3	143	86.1

MW-06D		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS				
Tetrachloroethene	(ug/l)	5	1.0 U	1.0 U	1.0 U	1.0 U

Source: Google Earth

N

LEGEN□

NYS□EC TOGS	□ivision of Water Technical & Operational Guidance Series □1.1.1 □Ambient Water Quality Standards & Guidance Values
□□	E□ceedance of NYS□EC TOGS
U	Not detected at the indicated dectection limit
	Property Line□C Boundary
	Ground Water Flo□ □irection
	Ground Water Sample Location
	Monitoring Well Location

0 150 300

GRAPH□C SCALE □N FEET

TITLE

Ground Water Sample Locations and Most Recent PCE □ata

PREPARED FOR

JOHNSON & HOFFMAN MANUFACTUR□NG

Environmental Resources Management

FIGURE 5

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPH□C	9 9□ 21	0422883.02

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MW-03		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(b)fluoranthene	(ug/l)	0.002	0.099 UJ	0.050 U	0.050 U	[0.0358 J]
Chrysene	(ug/l)	0.002	0.099 UJ	[0.0263 J]	0.10 U	0.080 U

MW-04		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/l)	0.002	0.048 UJ	[0.0464]	0.050 U	[0.0789 J]
Benzo(a)pyrene	(ug/l)	NL	0.048 UJ	[0.0454]	0.050 U	[0.110 J]
Benzo(b)fluoranthene	(ug/l)	0.002	0.095 UJ	[0.0824]	0.050 U	[0.218 J]
Benzo(k)fluoranthene	(ug/l)	0.002	0.095 UJ	0.10 U	0.10 U	[0.0666 J]
Chrysene	(ug/l)	0.002	0.095 UJ	[0.0684]	0.10 U	[0.123 J]
Indeno(1,2,3-cd)pyrene	(ug/l)	0.002	0.095 UJ	0.10 U	0.10 U	[0.0872 J]

MW-02
No Exceedances

MW-05		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/l)	0.002	[1.03 J]	0.048 U	0.056 U	0.040 U
Benzo(a)pyrene	(ug/l)	NL	[1.40 J]	0.048 U	0.056 U	0.040 U
Benzo(b)fluoranthene	(ug/l)	0.002	[2.62 J]	0.048 U	0.056 U	0.040 U
Benzo(k)fluoranthene	(ug/l)	0.002	[0.841 J]	0.095 U	0.11 U	0.080 U
Chrysene	(ug/l)	0.002	[1.45 J]	0.095 U	0.11 U	0.080 U
Indeno(1,2,3-cd)pyrene	(ug/l)	0.002	[1.4 J]	0.095 U	0.11 U	0.080 U

MW-01		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/l)	0.002	0.05 UJ	0.049 U	0.051 U	[0.0458]
Benzo(a)pyrene	(ug/l)	NL	0.050 UJ	0.049 U	0.051 U	[0.0555]
Benzo(b)fluoranthene	(ug/l)	0.002	0.099 UJ	0.049 U	0.051 U	[0.107]
Chrysene	(ug/l)	0.002	0.099 UJ	0.098 U	0.10 U	[0.0653]

MW-06S		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/l)	0.002	[0.0411 J]	0.050 U	0.050 U	[0.0528 J]
Benzo(a)pyrene	(ug/l)	NL	[0.0731 J]	0.050 U	0.050 U	[0.0402 J]
Benzo(b)fluoranthene	(ug/l)	0.002	[0.114 J]	0.050 U	0.050 U	[0.0809 J]
Benzo(k)fluoranthene	(ug/l)	0.002	0.095 UJ	0.10 U	0.10 U	0.080 U
Chrysene	(ug/l)	0.002	[0.0539 J]	0.10 U	0.10 U	[0.0639 J]
Indeno(1,2,3-cd)pyrene	(ug/l)	0.002	[0.0657 J]	0.10 U	0.10 U	0.080 U

MW-06D		NYSDEC	7/3/2018	6/19/2019	5/14/2020	7/8/2021
Constituent	Units	TOGS	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/l)	0.002	[0.0828 J]	0.048 U	0.050 U	0.040 U
Benzo(a)pyrene	(ug/l)	NL	[0.107 J]	0.048 U	0.050 U	0.040 U
Benzo(b)fluoranthene	(ug/l)	0.002	[0.201 J]	0.048 U	0.050 U	0.040 U
Benzo(k)fluoranthene	(ug/l)	0.002	[0.0536 J]	0.095 U	0.010 U	0.080 U
Chrysene	(ug/l)	0.002	[1.05 J]	0.095 U	0.010 U	0.080 U
Indeno(1,2,3-cd)pyrene	(ug/l)	0.002	[0.0864 J]	0.095 U	0.010 U	0.080 U

Source: Google Earth

N

LEGEND

NYSDEC TOGS	Division of Water Technical & Operational Guidance Series 1.1.1 Ambient Water Quality Standards & Guidance Values
	Exceedance of NYSDEC TOGS
J	Analyte detected value is a quantitative estimate.
ND	No Detection
	Property Line/EC Boundary
	Ground Water Flow Direction
	Monitoring Well Location

Notes:

1. PAHs analyzed by EPA Method 8270C using Selective Ion Monitoring (SIM).

0 150 300

GRAPHIC SCALE IN FEET

TITLE

Ground Water Sample Locations and Most Recent PAH Data

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FIGURE 6

DRAWN BY	SCALE	DATE	JOB NO.
EMF	GRAPHIC	8.4.21	0422883.02

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Tables

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	MW-03	MW-04	MW-04
Lab Sample ID		JC69271-1	JC90465-4	JD7367-3	JD27982-8	JC69271-2	JC90465-7	JD7367-6	JD27982-6	JC69271-3	JC69271-8	JC90465-9	JD7367-7	JD27982-5	JC69271-4	JC90465-10
Sample Date		7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019
Sample Type	TOGS	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Analyte	1.1.1															
VOCs (SW8260C/8260D, µg/L)																
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,4-Dioxane	NS	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U
2-Butanone	50	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-pentanone	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Acetone	50	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Benzene	1	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Carbon disulfide	60	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobromomethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform	7	1.0 U	**0.61 J**	**0.82 J**	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloromethane	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Cyclohexane	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Ethylene dibromide	0.0006	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
m,p-Xylenes	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methyl acetate	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Methyl tert-butyl ether	10	1.0 U	1.0 U	**1.2**	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methylcyclohexane	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Methylene chloride	5	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
o-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene	5	**4.6**	**3.5**	**2.0**	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Xylene, Total	5	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-02	MW-02	MW-03	MW-03	MW-03	MW-03	MW-03	MW-04	MW-04
Lab Sample ID		JC69271-1	JC90465-4	JD7367-3	JD27982-8	JC69271-2	JC90465-7	JD7367-6	JD27982-6	JC69271-3	JC69271-8	JC90465-9	JD7367-7	JD27982-5	JC69271-4	JC90465-10
Sample Date		7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019
Sample Type		N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Analyte	TOGS 1.1.1															
PAHs (SW8270D/8270E-SIM, µg/L)																
Acenaphthene	20	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 UJ	0.10 U	0.080 U	0.095 UJ	0.10 UJ
Acenaphthylene	NS	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Anthracene	50	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Benzo(a)anthracene	0.002	0.050 UJ	0.049 U	0.051 U	**0.0458 J**	0.051 U	0.048 U	0.050 U	0.040 U	0.050 UJ	0.048 UJ	0.050 U	0.050 U	0.040 U	0.048 UJ	**0.0464 J**
Benzo(a)pyrene	0	0.050 UJ	0.049 U	0.051 U	**0.0555 J**	0.051 U	0.048 U	0.050 U	0.040 U	0.050 UJ	0.048 UJ	0.050 U	0.050 U	0.040 U	0.048 UJ	**0.0454 J**
Benzo(b)fluoranthene	0.002	0.099 UJ	0.049 U	0.051 U	**0.107 J**	0.10 U	0.048 U	0.050 U	0.040 U	0.099 UJ	0.096 UJ	0.050 U	0.050 U	**0.0358 J**	0.095 UJ	**0.0824**
Benzo(g,h,i)perylene	NS	0.099 UJ	0.098 U	0.10 U	**0.0462 J**	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	**0.0472 J**
Benzo(k)fluoranthene	0.002	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Chrysene	0.002	0.099 UJ	0.098 U	0.10 U	**0.0653 J**	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	**0.0263 J**	0.10 U	0.080 U	0.095 UJ	**0.0684 J**
Dibenzo(a,h)anthracene	NS	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Fluoranthene	50	0.099 UJ	0.098 U	0.10 U	**0.141 J**	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	**0.0490 J**	0.10 U	**0.0589 J**	0.095 UJ	**0.124**
Fluorene	50	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	**0.0415 J**	0.095 UJ	0.10 U
Indeno(1,2,3-cd)pyrene	0.002	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Naphthalene	NS	0.099 UJ	0.098 U	0.10 U	0.080 U	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	0.10 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Phenanthrene	50	0.099 UJ	0.049 U	0.051 U	0.103 U	0.10 U	0.048 U	0.050 U	0.080 U	0.099 UJ	0.096 UJ	**0.0265 J**	0.050 U	0.080 U	0.095 UJ	**0.0375 J**
Pyrene	50	0.099 UJ	0.098 U	0.10 U	**0.116 J**	0.10 U	0.095 U	0.10 U	0.080 U	0.099 UJ	0.096 UJ	**0.0373 J**	0.10 U	**0.0441 J**	0.095 UJ	**0.0946 J**

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06D	MW-06D	MW-06S	MW-06S
Lab Sample ID		JD7367-1	JD27982-3	JD27982-4	JC69271-5	JC90465-3	JC90465-8	JD7367-4	JD7367-8	JD27982-7	JC69271-7	JC90465-2	JD7367-5	JD27982-1	JC69271-6	JC90465-1
Sample Date		5/14/2020	7/8/2021	7/8/2021	7/3/2018	6/19/2019	6/19/2019	5/14/2020	5/14/2020	7/8/2021	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019
Sample Type		N	N	FD	N	N	FD	N	FD	N	N	N	N	N	N	N
Analyte	TOGS 1.1.1															
VOCs (SW8260C/8260D, µg/L)																
1,1,1-Trichloroethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
1,1,2-Trichloroethane	1	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
1,2-Dichlorobenzene	3	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
1,4-Dioxane	NS	130 U	130 UJ	130 UJ	130 U	130 U	130 U	130 U	130 U	130 UJ	130 U	130 U	130 U	130 UJ	130 U	130 U
2-Butanone	50	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U
2-Hexanone	50	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Methyl-2-pentanone	NS	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Acetone	50	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	**54.2**	10 U
Benzene	1	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U
Bromodichloromethane	50	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Bromomethane	5	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Carbon disulfide	60	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Carbon tetrachloride	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chlorobromomethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloroform	7	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Chloromethane	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Cyclohexane	NS	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Dibromochloromethane	50	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Ethylbenzene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Ethylene dibromide	0.0006	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Isopropylbenzene (Cumene)	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
m,p-Xylenes	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methyl acetate	NS	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Methyl tert-butyl ether	10	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Methylcyclohexane	NS	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Methylene chloride	5	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
o-Xylene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Styrene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	**1.3**	**1.1**	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	**1.3**
Toluene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichloroethene	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	5	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
Vinyl chloride	2	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U
Xylene, Total	5	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06D	MW-06D	MW-06D	MW-06D	MW-06S	MW-06S
Lab Sample ID		JD7367-1	JD27982-3	JD27982-4	JC69271-5	JC90465-3	JC90465-8	JD7367-4	JD7367-8	JD27982-7	JC69271-7	JC90465-2	JD7367-5	JD27982-1	JC69271-6	JC90465-1
Sample Date		5/14/2020	7/8/2021	7/8/2021	7/3/2018	6/19/2019	6/19/2019	5/14/2020	5/14/2020	7/8/2021	7/3/2018	6/19/2019	5/14/2020	7/8/2021	7/3/2018	6/19/2019
Sample Type		N	N	FD	N	N	FD	N	FD	N	N	N	N	N	N	N
Analyte	TOGS 1.1.1															
PAHs (SW8270D/8270E-SIM, µg/L)																
Acenaphthene	20	0.10 U	0.080 U	0.080 U	0.095 UJ	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	0.095 UJ	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Acenaphthylene	NS	0.10 U	0.080 U	0.080 U	**0.0371 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	0.095 UJ	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Anthracene	50	0.10 U	0.080 U	0.080 U	**0.0900 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.0190 J**	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Benzo(a)anthracene	0.002	0.050 U	**0.0789 J**	**0.115 J**	**1.03 J**	0.048 U	0.049 U	0.056 U	0.050 U	0.040 U	**0.0828 J**	0.048 U	0.050 U	0.040 U	**0.0411 J**	0.050 U
Benzo(a)pyrene	0	0.050 U	**0.110 J**	**0.143 J**	**1.40 J**	0.048 U	0.049 U	0.056 U	0.050 U	0.040 U	**0.107 J**	0.048 U	0.050 U	0.040 U	**0.0731 J**	0.050 U
Benzo(b)fluoranthene	0.002	0.050 U	**0.218 J**	**0.306 J**	**2.62 J**	0.048 U	0.049 U	0.056 U	0.050 U	0.040 U	**0.201 J**	0.048 U	0.050 U	0.040 U	**0.114 J**	0.050 U
Benzo(g,h,i)perylene	NS	0.10 U	**0.101 J**	**0.138 J**	**1.78 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.119 J**	0.095 U	0.10 U	0.080 U	**0.0899 J**	0.10 U
Benzo(k)fluoranthene	0.002	0.10 U	**0.0666 J**	**0.0956 J**	**0.841 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.0536 J**	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Chrysene	0.002	0.10 U	**0.123 J**	**0.177 J**	**1.45 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.105 J**	0.095 U	0.10 U	0.080 U	**0.0539 J**	0.10 U
Dibenzo(a,h)anthracene	NS	0.10 U	0.080 U	0.080 U	0.095 UJ	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	0.095 UJ	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Fluoranthene	50	0.10 U	**0.206 J**	**0.266 J**	**1.82 J**	**0.0234 J**	0.098 U	0.11 U	0.10 U	0.080 U	**0.106 J**	0.095 U	0.10 U	0.080 U	**0.0562 J**	**0.0248 J**
Fluorene	50	0.10 U	0.080 U	0.080 U	0.095 UJ	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	0.095 UJ	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Indeno(1,2,3-cd)pyrene	0.002	0.10 U	**0.0872 J**	**0.121 J**	**1.40 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.0864 J**	0.095 U	0.10 U	0.080 U	**0.0657 J**	0.10 U
Naphthalene	NS	0.10 U	0.080 U	0.080 U	0.095 UJ	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	0.095 UJ	0.095 U	0.10 U	0.080 U	0.095 UJ	0.10 U
Phenanthrene	50	0.050 U	0.106 U	0.111 U	**0.477 J**	0.048 U	0.049 U	0.056 U	0.050 U	0.080 U	**0.0424 J**	0.048 U	0.050 U	0.080 U	0.095 UJ	0.050 U
Pyrene	50	0.10 U	**0.173 J**	**0.220 J**	**1.87 J**	0.095 U	0.098 U	0.11 U	0.10 U	0.080 U	**0.108 J**	0.095 U	0.10 U	0.080 U	**0.0498 J**	0.10 U

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-06S	MW-06S
Lab Sample ID		JD7367-2	JD27982-2
Sample Date		5/14/2020	7/8/2021
Sample Type	TOGS	N	N
Analyte	1.1.1		
VOCs (SW8260C/8260D, µg/L)			
1,1,1-Trichloroethane	5	1.0 U	1.0 UJ
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 UJ
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	5	5.0 U	5.0 UJ
1,1,2-Trichloroethane	1	1.0 U	1.0 UJ
1,1-Dichloroethane	5	1.0 U	1.0 UJ
1,1-Dichloroethene	5	1.0 U	1.0 UJ
1,2,3-Trichlorobenzene	5	1.0 UJ	1.0 UJ
1,2,4-Trichlorobenzene	5	1.0 U	1.0 UJ
1,2-Dibromo-3-chloropropane	0.04	2.0 U	2.0 UJ
1,2-Dichlorobenzene	3	1.0 U	1.0 UJ
1,2-Dichloroethane	0.6	1.0 U	1.0 UJ
1,2-Dichloropropane	1	1.0 U	1.0 UJ
1,3-Dichlorobenzene	3	1.0 U	1.0 UJ
1,4-Dichlorobenzene	3	1.0 U	1.0 UJ
1,4-Dioxane	NS	130 U	130 UJ
2-Butanone	50	10 U	10 UJ
2-Hexanone	50	5.0 U	5.0 UJ
4-Methyl-2-pentanone	NS	5.0 U	5.0 UJ
Acetone	50	10 U	10 UJ
Benzene	1	0.50 U	0.50 UJ
Bromodichloromethane	50	1.0 U	1.0 UJ
Bromoform	50	1.0 U	1.0 UJ
Bromomethane	5	2.0 U	2.0 UJ
Carbon disulfide	60	2.0 U	2.0 UJ
Carbon tetrachloride	5	1.0 U	1.0 UJ
Chlorobenzene	5	1.0 U	1.0 UJ
Chlorobromomethane	5	1.0 U	1.0 UJ
Chloroethane	5	1.0 U	1.0 UJ
Chloroform	7	1.0 U	1.0 UJ
Chloromethane	5	1.0 U	1.0 UJ
cis-1,2-Dichloroethene	5	1.0 U	1.0 UJ
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 UJ
Cyclohexane	NS	5.0 U	5.0 UJ
Dibromochloromethane	50	1.0 U	1.0 UJ
Dichlorodifluoromethane (Freon 12)	5	2.0 U	2.0 UJ
Ethylbenzene	5	1.0 U	1.0 UJ
Ethylene dibromide	0.0006	1.0 U	1.0 UJ
Isopropylbenzene (Cumene)	5	1.0 U	1.0 UJ
m,p-Xylenes	5	1.0 U	1.0 UJ
Methyl acetate	NS	5.0 U	5.0 UJ
Methyl tert-butyl ether	10	1.0 U	1.0 UJ
Methylcyclohexane	NS	5.0 U	5.0 UJ
Methylene chloride	5	2.0 U	2.0 UJ
o-Xylene	5	1.0 U	1.0 UJ
Styrene	5	1.0 U	1.0 UJ
Tetrachloroethene	5	1.0 U	**143 J**
Toluene	5	1.0 U	1.0 UJ
trans-1,2-Dichloroethene	5	1.0 U	1.0 UJ
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 UJ
Trichloroethene	5	1.0 U	1.0 UJ
Trichlorofluoromethane (Freon 11)	5	2.0 U	2.0 UJ
Vinyl chloride	2	1.0 U	1.0 UJ
Xylene, Total	5	1.0 U	1.0 UJ

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Location ID		MW-06S	MW-06S
Lab Sample ID		JD7367-2	JD27982-2
Sample Date		5/14/2020	7/8/2021
Sample Type	TOGS	N	N
Analyte	1.1.1		
PAHs (SW8270D/8270E-SIM, µg/L)			
Acenaphthene	20	0.10 U	0.080 U
Acenaphthylene	NS	0.10 U	0.080 U
Anthracene	50	0.10 U	**0.0632 J**
Benzo(a)anthracene	0.002	0.050 U	**0.0528 J**
Benzo(a)pyrene	0	0.050 U	**0.0402 J**
Benzo(b)fluoranthene	0.002	0.050 U	**0.0809 J**
Benzo(g,h,i)perylene	NS	0.10 U	0.080 U
Benzo(k)fluoranthene	0.002	0.10 U	0.080 U
Chrysene	0.002	0.10 U	**0.0639 J**
Dibenzo(a,h)anthracene	NS	0.10 U	0.080 U
Fluoranthene	50	0.10 U	**0.123 J**
Fluorene	50	0.10 U	0.080 U
Indeno(1,2,3-cd)pyrene	0.002	0.10 U	0.080 U
Naphthalene	NS	0.10 U	0.080 U
Phenanthrene	50	**0.0278 J**	0.128 U
Pyrene	50	0.10 U	**0.0989 J**

see the Endnotes following this table.

Table 1
Groundwater Analytical Results
Johnson and Hoffman - 40 Voice Road, Carle Place NY
NYSDEC Site No. V-00684

Notes:

- Sample Type(s):
  - N = Normal Environmental Sample; FD = Blind Field Duplicate Sample.
- Unit(s):
  - µg/l = micrograms per liter (parts per billion; ppb).
- Action Level (s):
  - TOGS 1.1.1 = New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1 Water Class GA, Type H(WS) Standard and Guidance; Protection for Source of Drinking Water (groundwater); 1998, including addendums 1999 through 2004.
  - NS – No standard.
- Samples analyzed following "Test Methods for Evaluation Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".
  - VOCs = Volatile Organic Compounds; and
  - PAHs = Polycyclic Aromatic Hydrocarbons.

Bold result indicates analyte was detected above the method detection limit (MDL).
Shaded result indicates analyte was detected above the Action Level.

- Qualifiers
  - no qualifier = Positive Detect. The analyte was positively identified at the associated numerical value which is the concentration of the analyte in the sample. The value is usable as reported.
  - U = Non-Detect. The analyte was analyzed for, but not positively identified. The associated numerical value is the reporting limit (RL). The value is usable as a non-detect at the RL.
  - J = Estimated Positive Detect. The analyte was positively identified at the associated numerical value which is at a concentration below the RL and greater than the MDL and therefore estimated. May also indicate the analyte was designated as estimated as a result of the data validation process. The value is usable as an estimated result.
  - U J = Estimated Non-Detect. The analyte was analyzed for, but not detected. The associated numerical value is the RL. The value is an estimated quantity due to a QC exceedance. The value is usable as a non-detect at the estimated RL.

Table 2
SSDS Analytical Results
J&H Manufacturing Corp - CAWSL Facility
Carle Place, New York

Location ID	SVE EFF	SVE EFF	SVE EFF	SVE EFF
Lab Sample ID	JC68092-1	JC90444-1	JD8301-1	JD28639-1
Sample Date	14-Jun-18	20-Jun-19	05-Jun-20	16-Jul-21
Sample Type	N	N	N	N
Sample ID	J+H_VEFFL_061418	VEFFL062019	EFFL060520	STACK071621
Method TO15, µg/m3				
1,1,1-Trichloroethane	*< 2.2 U*	**2.6**	*< 0.55 U*	*< 1.1 U*
1,1,2,2-Tetrachloroethane	*< 2.7 U*	*< 0.69 U*	*< 0.69 U*	*< 1.4 U*
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	*< 3.1 U*	*< 0.77 U*	*< 0.77 U*	*< 1.5 U*
1,1,2-Trichloroethane	*< 2.2 U*	*< 0.55 U*	*< 0.55 U*	*< 1.1 U*
1,1-Dichloroethane	*< 3.2 U*	**0.93**	*< 0.81 U*	*< 1.6 U*
1,1-Dichloroethene	*< 0.63 U*	*< 0.16 U*	*< 0.16 U*	*< 0.32 U*
1,2,4-Trichlorobenzene	*< 3.0 U*	*< 0.74 U*	*< 0.74 U*	*< 1.5 U*
1,2,4-Trimethylbenzene	*< 3.9 U*	*< 0.98 U*	*< 0.98 U*	**3.0**
1,2-dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	*< 2.8 U*	*< 0.70 U*	*< 0.70 U*	*< 1.4 U*
1,2-Dichlorobenzene	*< 0.96 U*	*< 0.24 U*	*< 0.24 U*	*< 0.48 U*
1,2-Dichloroethane	*< 3.2 U*	*< 0.81 U*	*< 0.81 U*	*< 1.6 U*
1,2-Dichloropropane	*< 3.7 U*	*< 0.92 U*	*< 0.92 U*	*< 1.8 U*
1,3,5-Trimethylbenzene	*< 3.9 U*	*< 0.98 U*	*< 0.98 U*	*< 2.0 U*
1,3-Butadiene	*< 1.8 U*	*< 0.44 U*	*< 0.44 U*	*< 0.88 U*
1,3-Dichlorobenzene	**3.4**	*< 0.60 U*	*< 0.60 U*	*< 1.2 U*
1,4-Dichlorobenzene	*< 2.4 U*	*< 0.60 U*	*< 0.60 U*	*< 1.2 U*
1,4-Dioxane	*< 2.9 U*	*< 0.72 U*	*< 0.72 U*	*< 1.4 U*
2,2,4-Trimethylpentane	*< 3.7 U*	*< 0.93 U*	**1.4**	*< 1.9 U*
2-Butanone	**4.7**	**3.2**	**2.0**	**1.5**
2-Hexanone	*< 3.3 U*	*< 0.82 U*	*< 0.82 U*	*< 1.6 U*
4-Ethyltoluene	*< 3.9 U*	*< 0.98 U*	*< 0.98 U*	*< 2.0 U*
4-Methyl-2-pentanone	*< 3.3 U*	*< 0.82 U*	*< 0.82 U*	*< 1.6 U*
Acetone	**40.4**	**26.4**	**10**	**11**
Allyl chloride	*< 2.5 U*	*< 0.63 U*	*< 0.63 U*	*< 1.3 U*
Benzene	*< 2.6 U*	**0.35 J**	**0.45 J**	*< 1.3 U*
Benzyl chloride	*< 4.1 U*	*< 1.0 U*	*< 1.0 U*	*< 2.1 U*
Bromodichloromethane	*< 2.7 U*	*< 0.67 U*	*< 0.67 U*	*< 1.3 U*
Bromoform	*< 1.7 U*	*< 0.41 U*	*< 0.41 U*	*< 0.83 U*
Bromomethane	*< 3.1 U*	*< 0.78 U*	*< 0.78 U*	*< 1.6 U*
Carbon disulfide	**1.6 J**	**0.37 J**	*< 0.62 U*	*< 1.2 U*
Carbon tetrachloride	*< 1.0 U*	**0.88**	*< 0.25 U*	*< 0.50 U*
Chlorobenzene	*< 3.7 U*	*< 0.92 U*	*< 0.92 U*	*< 1.8 U*
Chloroethane	*< 2.1 U*	*< 0.53 U*	*< 0.53 U*	*< 1.1 U*
Chloroform	**2.9 J**	**3.2**	**0.68 J**	*< 2.0 U*
Chloromethane	**1.6 J**	**0.39 J**	*< 0.41 U*	**0.76 J**
cis-1,2-Dichloroethene	**232**	**98.3**	**82.9**	**40**
cis-1,3-Dichloropropene	*< 3.6 U*	*< 0.91 U*	*< 0.91 U*	*< 1.8 U*
Cyclohexane	*< 2.8 U*	*< 0.69 U*	**11**	*< 1.4 U*
Dibromochloromethane	*< 3.4 U*	*< 0.85 U*	*< 0.85 U*	*< 1.7 U*
Dichlorodifluoromethane (Freon 12)	**6.4**	**9.4**	**2.3**	**2.3**
Ethanol	**26.2**	**8.7**	**5.1**	**28.8**
Ethyl acetate	**5.4**	*< 0.72 U*	*< 0.72 U*	**12**
Ethylbenzene	*< 3.5 U*	*< 0.87 U*	*< 0.87 U*	**1.6 J**
Ethylene dibromide	*< 3.1 U*	*< 0.77 U*	*< 0.77 U*	*< 1.5 U*

Location ID	SVE EFF	SVE EFF	SVE EFF	SVE EFF
Lab Sample ID	JC68092-1	JC90444-1	JD8301-1	JD28639-1
Sample Date	14-Jun-18	20-Jun-19	05-Jun-20	16-Jul-21
Sample Type	N	N	N	N
Sample ID	J+H_VEFFL_061418	VEFFL062019	EFFL060520	STACK071621
Heptane	*< 3.3 U*	*< 0.82 U*	**1.8**	*< 1.6 U*
Hexachlorobutadiene	*< 3.8 U*	*< 0.96 U*	*< 0.96 U*	*< 1.9 U*
Isopropyl alcohol	*< 2.0 U*	**2.5**	**1.0**	**2.7**
m,p-Xylenes	*< 3.5 U*	*< 0.87 U*	*< 0.87 U*	**2.7**
Methyl methacrylate	*< 3.3 U*	**2.2**	*< 0.82 U*	*< 1.6 U*
Methyl tert-butyl ether	*< 2.9 U*	*< 0.72 U*	*< 0.72 U*	*< 1.4 U*
Methylene chloride	**14**	**1.5**	**2.3**	**10**
n-Hexane	**8.1**	**25**	**8.5**	**1.8**
o-Chlorotoluene (2-chlorotoluene)	*< 4.1 U*	*< 1.0 U*	*< 1.0 U*	*< 2.1 U*
o-Xylene	*< 3.5 U*	*< 0.87 U*	*< 0.87 U*	**1.7 J**
Propylene	**3.4**	*< 0.86 U*	*< 0.86 U*	*< 1.7 U*
Styrene	*< 3.4 U*	*< 0.85 U*	*< 0.85 U*	**2.3**
tert-Butyl alcohol	**1.6 J**	**0.36 J**	*< 0.61 U*	*< 1.2 U*
Tetrachloroethene	**895**	**475**	**370**	**382**
Tetrahydrofuran	*< 2.4 U*	**0.38 J**	*< 0.59 U*	*< 1.2 U*
Toluene	*< 3.0 U*	**0.94**	**0.49 J**	**2.3**
trans-1,2-Dichloroethene	**2.0 J**	**0.99**	**0.91**	*< 1.6 U*
trans-1,3-Dichloropropene	*< 3.6 U*	*< 0.91 U*	*< 0.91 U*	*< 1.8 U*
Trichloroethene	**111**	**49**	**39**	**34**
Trichlorofluoromethane (Freon 11)	**4.6**	**5.6**	**3.3**	**4.4**
Vinyl acetate	*< 2.8 U*	*< 0.70 U*	*< 0.70 U*	*< 1.4 U*
Vinyl bromide	*< 3.5 U*	*< 0.87 U*	*< 0.87 U*	*< 1.7 U*
Vinyl chloride	*< 0.41 U*	*< 0.10 U*	*< 0.10 U*	**0.19 J**
Xylene, Total	*< 3.5 U*	*< 0.87 U*	*< 0.87 U*	**4.3**

Notes:
< = Compound not detected at concentrations
above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = Not analyzed
N = Normal Environmental Sample
Units are in µg/m3 = micrograms per cubic meter
Results shown in bold font indicate a compound was
detected
above the laboratory reporting detection limit.

Qualifiers - Organic:
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
U

analyses performed by Accutest, NJ, SGS Noth America Inc., Dayton NJ.

Appendices

Appendix A
Institutional & Engineering Controls Certification Form and Notification of Site Change of Ownership Letter

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00684

Site Name Johnson and Hoffman Manufacturing Corp.

Site Address: 40 Voice Road Zip Code: 11514
City/Town: Carle Place
County: Nassau
Site Acreage: 4.000

Reporting Period: July 15, 2020 to July 15, 2021

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative — Date: 8-13-2021

SITE NO. V00684 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
9-663-8	40 Voice Road Realty LLC	Building Use Restriction Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Institutional Control: Imposition of an institutional control in the form of the deed restrictions for the controlled property that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3);
- allows the use and development of the controlled property for commercial or industrial uses as defined by Part 375-1.8(g), although land use is subject to local zoning laws;
- restricts the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the NYSDOH or County DOH; and
- requires compliance with the Department approved Site Management Plan.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
9-663-8	Vapor Mitigation Cover System

The cover system and the sub-slab depressurization system (SSDS):Cover System: A site cover currently exists consisting of the existing buildings and pavement at the site. A site cover will be maintained as a component of any future site development to allow for the commercial use of the site, which will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs. Where a soil cover is required it will be a minimum of one foot of soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for commercial use. The soil cover will be placed over a demarcation layer, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Any fill material brought to the site will meet the requirements for the identified site use as set forth in 6 NYCRR Part 375-6.7(d).

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Marilyn - CSD

Signature of Owner, Remedial Party or Designated Representative

8-13-2024

Date

IC CERTIFICATIONS
SITE NO. V00684

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Brian Manley (print name) at 40 Jones Rd (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party or Designated Representative Rendering Certification — 8-13-2024 (Date)

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Stephen A. Mirabello (print name) at ERM Consulting & Engineering, 105 Maxess Road, Melville, NY (print business address),

am certifying as a Professional Engineer for the owner (Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

9/9//21
Date

Holland & Knight

800 17th Street N.W., Suite 1100 | Washington, DC 20006 | T | F 202.955.5564
Holland & Knight LLP | www.hklaw.com

Bonni F. Kaufman
+1 202-419-2547
Bonni.Kaufman@hklaw.com

July 30, 2020

Via E-mail (kelly.lewandowski@dec.ny.gov)

Kelly Lewandowski
Chief, Site Control Section
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Notification of Site Change of Ownership
Site Name: Johnson and Hoffman Manufacturing Corp. Site
Voluntary Cleanup Program, Site No. V00684-1

Dear Ms. Lewandowski:

On June 2, 2020, we submitted the enclosed 60-Day Advance Notification of Site Change of Ownership form ("Form") for the Voluntary Cleanup Program Site, Site ID No. V00684-1, located at 40 Voice Road, Carle Place, New York 11514 ("Site"), on behalf of Ansaco Properties One LLC ("APO"). Please accept this letter as confirmation that APO transferred the Site to 40 Voice Road Realty LLC on July 22, 2020. We confirmed with 40 Voice Road Realty LLC that the contact information provided on the enclosed Form has not changed, and should be used by the Department for the new owner. APO did not assign the April 25, 2018 Assignable Release and Covenant Not to Sue ("Release") to the new owner. The new owner is covered by the terms and conditions of the Release as APO's successor.

Please contact my Associate, Meaghan Colligan, Esq., if you have any questions at Meaghan.Colligan@hklaw.com.

Sincerely yours,

HOLLAND & KNIGHT LLP

Bonni F. Kaufman

Cc: Ansaco Properties One LLC
Peter Curry, Esq., Co-Counsel for APO
Seth D. Friedland, Esq., Counsel for 40 Voice Road Realty LLC
Girish Desai, NYSDEC Project Manager
Walter Parish, NYSDEC Regional HW Engineer
Steven Karpinski, NYSDOH
Rosalie Rusinko, Esq., NYSDEC

Enclosure

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Johnson and Hoffman Manufacturing Corp. Site **DEC Site ID No.** V00684-1

II. Contact Information of Person Submitting Notification:

Name: Bonni F. Kaufman, Esq., Holland & Knight LLP, Attorney for Ansaco Properties One LLC

Address1: 800 17th Street N.W., Suite 1100, Washington, D.C. 20006

Address2:

Phone: 202.419.2547 E-mail: Bonni.Kaufman@hklaw.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [ ] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 07/20/2020

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

Ansaco Properties One LLC ("APO"), the current owner of 40 Voice Road, Carle Place, New York 11514 (S/B/L: 9/663/8) ("Site"), intends to convey the Site to 40 Voice Road Realty LLC on or about July 20, 2020.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

Please note that the tenant, Johnson & Hoffman, LLC (f/k/a Ansaco Acquisition Co, LLC) wound down its operations at the Site by November of 2019. The building is currently vacant. 40 Voice Road Realty LLC's operations will be industrial and/or warehousing, and therefore there is no change of use. 40 Voice Road Realty LLC's intended date of occupancy is unknown, but will begin after July 20, 2020. The new owner's intended future use of the Site will not affect the Site's ongoing or completed remedial program as outlined in the NYSDEC approved Site Management Plan ("SMP") and being implemented by Manley Holdings, Inc., the Remedial Party (see SMP Appendix B).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ (Signature) 06/02/2020 (Date)

Jeff Ansary, President of APO
(Print Name)

Address1: 6212 28th Street North, Arlington, VA 22207

Address2: [**Effective 6/15/2020, Jeff Ansary's address will be 7608 Marbury Rd, Bethesda, MD 20817.]

Phone: 312.401.8310 E-mail: jeff@ansary.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☑ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: 40 Voice Road Realty LLC

Address1: c/o Hutch Management LLC, 1250 Waters Place, PH1, Bronx, NY 10461

Address2: Attention: Joseph Kelleher

Phone: 718.215.3000 E-mail: jkelleher@hutchmetrocenter.com

Certifying Party Name: Joseph Simone, Manager of 40 Voice Road Realty LLC

Address1: 40 Voice Road Realty LLC, 1250 Waters Place, PH1, Bronx, NY 10461

Address2: Attention: Joseph Simone

Phone: 718.215.3000 E-mail: jsimone@simdev.com

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ (Signature) 06/02/2020 (Date)

Jeff Ansary, President of APO
(Print Name)

Address1: 6212 28th Street North, Arlington, VA 22207

Address2: [**Effective 6/15/2020, Jeff Ansary's address will be 7608 Marbury Rd, Bethesda, MD 20817.]

Phone: 312.401.8310 E-mail: jeff@ansary.com

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☑ Prospective Owner Representative

Name: Joseph Kelleher

Address1: c/o Hutch Management LLC,1250 Waters Place, PH1, Bronx, NY 10461

Address2:

Phone: 718.215.3000 E-mail: jkelleher@hutchmetrocenter.com

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☑ Prospective Owner Representative

Name: Dina Gupta, Simone Development Companies LLC

Address1: 1250 Waters Place, PH1, Bronx, NY 10461

Address2:

Phone: 718.215.3000 E-mail: dgupta@simdev.com

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☑ Prospective Owner Representative

Name: Seth D. Friedland, Esq., FRIEDLAND LAW, LLC

Address1: 62 William Street, New York, New York 10005

Address2:

Phone: 212.344.1400 x. 20 E-mail: sfriedland@friedland.law

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☑ Prospective Owner Representative

Name: Al Nesheiwat, Sustainable Development Inc.

Address1: 166 Woodside Avenue, West Harrison, NY 10604

Address2:

Phone: 914.220.2404 E-mail: alnesheiwat@sustainable-development-inc.com

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:

Address1:

Address2:

Phone: E-mail:

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name:

Address1:

Address2:

Phone: E-mail:

Appendix B
Annual Site Inspection Form

Annual Site-Wide Inspection Form
Johnson and Hoffman - 40 Voice Road, Carle Place NY **Inspector: Maddox**
NYSDEC Site No. V-00684 **Date: 6/30/2021**

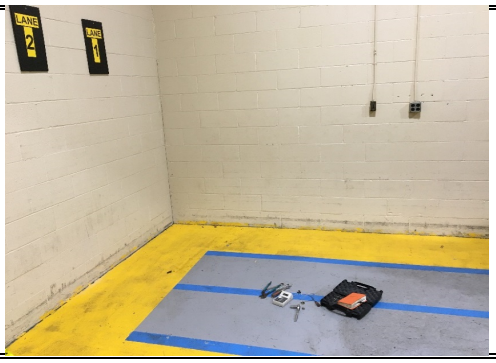
Item #	Inspection Item	Yes	No	Inspector Comments	Notes
1	Has a change of ownership occurred		X		NYSDEC must be informed 60 days in advance
2	Has there been any change in Site Use?		X		Current Site Use is Commercial. NYSDEC must be informed 60 days in advance per 6 NYCRR Part 375-1.11(d)
3	Are there any plans to construct a new building?		X		Per Section 2.3.2 of the SMP, a soil vapor intrusion monitoring plan must be prepared and submitted to NYSDEC prior to any construction.
4	Have any soil disturbances occurred in the past?		X		Documentation must be provided as required by the Excavation Work Plan.
5	Are any soil disturbances planned at this time?		X		NYSDEC must be informed 15 days in advance
6	Have there been any disturbances to the elements of the cover system (i.e., building concrete slab)?		X		
7	Concrete cover (including building slab)and pavers - Are there any significant cracks, settlement, or erosion?		X		
8	Is ground water underlying the Site being used?		X		Use of Site ground water is prohibited.
9	Are there any signs that the SSDS blower and fans are not being maintained? Any signs of operational problems?		X		
10	Are there any vegetable gardens or farming at the Site?		X		These activities are prohibited.
11	Is there any activity that may tend to interfere with the completed remedy or the continued ability to implement institutional controls?		X		
Item #	**Inspection Item**	**Yes**	**No**	**Inspector Comments**	**Notes**
12	SSD System - Upon visual inspection of entire system, are any components performing inadequately?		X		
13	SSD System pipes - Are there any holes, cracks, or other physical deficiencies? Are there any blockages in the piping?		X		
14	SSDS system - Are there material reductions in the extent of sub-slab vacuum response?		X		

Annual Site-Wide Inspection Form
Johnson and Hoffman - 40 Voice Road, Carle Place NY **Inspector: Maddox**
NYSDEC Site No. V-00684 **Date: 6/30/2021**

15	SSD System - Do the blower or inline fans show signs of abnormal operation?		X		
16	SSD System - Is there an air intake or operable window located within 10 feet of any of the exhaust point?		X	Stack discharge is above the roofline with no openings in proximity.	NYSDOH guidance requires SSD exhaust points tobe located at least 10 feet away from an air intake.
17	SSD System - After discussion with building management, have there been any HVAC system modifications that might affect performance of the SSD System?		X		
18	SSD System - Are there any holes or cracks in the floor?		X	Slab integrity is good throughout.	Evaluate need for sealing/repairs in combination with vacuum monitoring readings.

Corrective Measures: None needed.

Photographs:
Attach photos showing status of the cover elements



JJ-SS-05, typical

Name of Inspector: John Maddox

Signature of Inspector:

Date of Inspection: 6/30/2021

Date of Last Inspection: 6/19/2020

Required Date of Next Inspection:

Identify expected inspector for next inspection: Maddox

Additional comments or drawings:

Appendix C
Site Operating Logs

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	7/16/2021	Time Arrived/Departed:		7/16/2021	7:25
Personnel:	Maddox	Blower run time hour meter: *			25176.6
		Time of reading:			7:37
Weather:		Date/Time of last reading:		6/30/2021	7:45
	72 F, clear	Previous run time meter reading:			24793.4
		Runtime since previous reading:			100%

ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-24	Pre-filter	-38
VEW-6 Applied Vacuum	-14.0	Infl Temp, ^{O}F	69	Post-filter	-44
JH-SS-01, Influence	-0.004	Pipe i.d., "	3		-6
JH-SS-02, Influence	-0.022	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.019	Flow rate, cfm	228	Post-Blower Temp, OF	136
JH-SS-04, Influence	-0.058	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.268				
AV-1, Influence	-0.233	Gusting winds affected AV differential pressure readings			
AV-2, Influence	-0.430				

Comments:

Quarterly inspection and system gauging. Building remains unoccupied. Annual stack sample for TO15 analysis STACK071621.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	6/30/2021	Time Arrived/Departed:		6/30/2021	7:45
Personnel:	Maddox	Blower run time hour meter: *			24793.4
		Time of reading:			8:15
Weather:		Date/Time of last reading:		3/31/2021	11:32
	80 F, clear	Previous run time meter reading:			22609.7
		Runtime since previous reading:			100%

ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-41
VEW-6 Applied Vacuum	-14.0	Infl Temp, ^{O}F	70	Post-filter	-48
JH-SS-01, Influence	-0.004	Pipe i.d., "	3		-7
JH-SS-02, Influence	-0.019	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.015	Flow rate, cfm	227	Post-Blower Temp, OF	145
JH-SS-04, Influence	-0.044	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.196				
AV-1, Influence	-0.243	Gusting winds affected AV differential pressure readings			
AV-2, Influence	-0.411				

Comments:

Quarterly inspection and system gauging. Building remains unoccupied. Confirmed alarm callout and replaced Sensaphone batteries.
Valves had been installed by others on JH-SS-01 and -02 tubing.
The west end of the fencing around the blower had been knocked loose and is deformed. Reattached.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	3/31/2021	Time Arrived/Departed:		3/31/2021	8:05
Personnel:	Maddox	Blower run time hour meter: *			22609.7
		Time of reading:			8:15
Weather:		Date/Time of last reading:		12/30/2020	11:32
	Upper 40'2 F windy	Previous run time meter reading:			20429.9
		Runtime since previous reading:			100%

ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-41
VEW-6 Applied Vacuum	-14.0	Infl Temp, ^{O}F	56	Post-filter	-48
JH-SS-01, Influence	-0.003	Pipe i.d., "	3		-7
JH-SS-02, Influence	-0.011	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.012	Flow rate, cfm	230	Post-Blower Temp, OF	117
JH-SS-04, Influence	-0.043	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.226				
AV-1, Influence	-0.326				
AV-2, Influence	-0.427				

Comments:

Quarterly inspection and system gauging. Building remains unoccupied. Tightened all electrical terminals. Confirmed alarm callout and renewed cellualr plan for one year. Three phase amperage draw is low on one leg. 21.5/15.0/21.4 amps no load; 23.5/16.3/23.6 loaded. Leg to leg VAC 210/209/210

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	12/30/2020	Time Arrived/Departed:		12/30/2020	11:15
Personnel:	Brice Lynch	Blower run time hour meter: *			20429.9
		Time of reading:			11:32
Weather:		Date/Time of last reading:		11/2/2020	8:26
	30's, sunny	Previous run time meter reading:			19075.3
		Runtime since previous reading:			97%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.5	Inlet Pressure	-25	Pre-filter	-41
VEW-6 Applied Vacuum	-14.5	Infl Temp, ^{O}F	56	Post-filter	-49
JH-SS-01, Influence	-0.006	Pipe i.d., "	3		-8
JH-SS-02, Influence	-0.021	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.033	Flow rate, cfm	230	Post-Blower Temp, OF	NG
JH-SS-04, Influence	-0.042	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.185				
AV-1, Influence	-0.271				
AV-2, Influence	-0.417				

Comments:

Quarterly Vacuum Readings for the SSDS at Johnson and Hoffman Site No.V00684

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	11/2/2020	Time Arrived/Departed:		8:00	
Personnel:	Maddox	Blower run time hour meter: *			19075.3
		Time of reading:			8:02
Weather:		Date/Time of last reading:		9/18/2020	8:26
	40's, windy	Previous run time meter reading:			18108.9
		Runtime since previous reading:			90%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-42
VEW-6 Applied Vacuum	-14.0	Infl Temp, ^{O}F	57	Post-filter	-48
JH-SS-01, Influence	NG	Pipe i.d., "	3		-6
JH-SS-02, Influence	NG	ΔP, " WC	4.0	ΔP filter, "WC	
JH-SS-03, Influence	NG	Flow rate, cfm	236	Post-Blower Temp, OF	NG
JH-SS-04, Influence	NG	Effl PID, ppm	NG		
JH-SS-05, Influence	NG				
AV-1, Influence	NG				
AV-2, Influence	NG				

Comments:

Restart after probable temp outage 10/28/20 14:50.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	9/18/2020	Time Arrived/Departed:		8:00	
Personnel:	Maddox	Blower run time hour meter: *			18108.9
		Time of reading:			8:26
Weather:		Date/Time of last reading:		8/7/2020	9:20
	70's, mild	Previous run time meter reading:			17101.6
		Runtime since previous reading:			100%

ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.5	Inlet Pressure	-25	Pre-filter	-41
VEW-6 Applied Vacuum	-14.5	Infl Temp, ^{O}F	68	Post-filter	-48
JH-SS-01, Influence	-0.006	Pipe i.d., "	3		-7
JH-SS-02, Influence	-0.019	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.026	Flow rate, cfm	228	Post-Blower Temp, OF	130
JH-SS-04, Influence	-0.052	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.221				
AV-1, Influence	-0.239				
AV-2, Influence	-0.418				

Comments:

Q inspection. Confirmed alarm callout.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	8/7/2020	Time Arrived/Departed:		9:00	
Personnel:	Maddox	Blower run time hour meter: *			17101.6
		Time of reading:			9:20
Weather:		Date/Time of last reading:		6/19/2020	11:20
	70's, mild	Previous run time meter reading:			15993.3
		Runtime since previous reading:			94%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-41
VEW-6 Applied Vacuum	-14.0	Infl Temp, ^{O}F	70	Post-filter	-49
JH-SS-01, Influence	NG	Pipe i.d., "	3		-8
JH-SS-02, Influence	NG	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	NG	Flow rate, cfm	227	Post-Blower Temp, OF	NG
JH-SS-04, Influence	NG	Effl PID, ppm	NG		
JH-SS-05, Influence	NG				
AV-1, Influence	NG				
AV-2, Influence	NG				

Comments:

Restart system after shutdown from 8/4 storm event. Dan Z (Simone) and Al Nesheiwat (Sustaiable Development) on site. Would like quote on re-sizing blower for roof installation, ERM op costs. Al would like a copy of the annual report.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	6/19/2020	Time Arrived/Departed:		8:00	
Personnel:	Maddox	Blower run time hour meter:			15993.3
		Time of reading:			11:20
Weather:		Date/Time of last reading:		6/5/2020	8:02
	70 F, mild	Previous run time meter reading:			15991.8
		Runtime since previous reading:			0%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-24	Pre-filter	-41
VEW-6 Applied Vacuum	-13.5	Infl Temp, ^{O}F	64	Post-filter	-48
JH-SS-01, Influence	NG	Pipe i.d., "	3		-7
JH-SS-02, Influence	NG	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	NG	Flow rate, cfm	229	Post-Blower Temp, OF	126
JH-SS-04, Influence	NG	Effl PID, ppm	NG		
JH-SS-05, Influence	NG				
AV-1, Influence	NG				
AV-2, Influence	NG				

Comments:

Repaired 3 phase fused switch, restarted blower. Replaced failed battrey backup for alarm system.

No load 124.5/124.5/123.8 VAC to gnd. 216/215/216 VAC interphase. 17.6/17.5/16.7 amps

Loaded 194/19.6/18.7 amps

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	6/5/2020	Time Arrived/Departed:		8:00	
Personnel:	Maddox	Blower run time hour meter:			15991.8
		Time of reading:			8:02
Weather:		Date/Time of last reading:		5/8/2020	8:02
	48 F, Overcast	Previous run time meter reading:			15371.9
		Runtime since previous reading:			92%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-24	Pre-filter	-41
VEW-6 Applied Vacuum	-13.5	Infl Temp, ^{O}F	62	Post-filter	-48
JH-SS-01, Influence	-0.006	Pipe i.d., "	3		-7
JH-SS-02, Influence	-0.026	ΔP, " WC	3.8	ΔP filter, "WC	
JH-SS-03, Influence	-0.020	Flow rate, cfm	229	Post-Blower Temp, OF	126
JH-SS-04, Influence	-0.069	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.239				
AV-1, Influence	-0.256				
AV-2, Influence	-0.527				

Comments: Gerard Staudt assoc of Ansarys provided access

Annual SMP visit. Sample emmissions TO15 EFFL060520

The autodialer backup battery is hardwired into the panel for 110VAC, and was OFF. When panel was opened, middle leg of 3 phase fuse block wiring was degraded from heat. LOTO panel to replace wiring, fuse terminal connection broke at evident hot spot. GE THC32 600 volt fused disconnect switch. System is OFFLINE pending repairs.

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	5/8/2020	Time Arrived/Departed:		8:00	
Personnel:	Maddox	Blower run time hour meter:			15371.9
		Time of reading:			8:02
Weather:		Date/Time of last reading:		3/16/2020	8:50
	48 F, Overcast	Previous run time meter reading:			14240.4
		Runtime since previous reading:			89%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-42
VEW-6 Applied Vacuum	-13.5	Infl Temp, ^{O}F	55	Post-filter	-49
JH-SS-01, Influence	NG	Pipe i.d., "	3		-7
JH-SS-02, Influence	NG	ΔP, " WC	3.9	ΔP filter, "WC	
JH-SS-03, Influence	NG	Flow rate, cfm	234	Post-Blower Temp, OF	112
JH-SS-04, Influence	NG	Effl PID, ppm	NG		
JH-SS-05, Influence	NG				
AV-1, Influence	NG				
AV-2, Influence	NG				
Comments:					
Alarm response - callout 5/4/20. Probable power outage. Restart OK.					

SVE PROCESS OPERATIONS REPORT
J&H Carle Place Site

Date:	3/16/2020	Time Arrived/Departed:		7:50	
Personnel:	Maddox	Blower run time hour meter:			14240.4
		Time of reading:			8:50
Weather:		Date/Time of last reading:		12/19/2019	11:15
	36, clear	Previous run time meter reading:			12131.9
		Runtime since previous reading:			100%
ID No.	Pressure Profile (In. WC)	SSD Process			
VEW-5 Applied Vacuum	-14.0	Inlet Pressure	-25	Pre-filter	-42
VEW-6 Applied Vacuum	-13.0	Infl Temp, ^{O}F	54	Post-filter	-49
JH-SS-01, Influence	-0.016	Pipe i.d., "	3		-7
JH-SS-02, Influence	-0.020	ΔP, " WC	4.1	ΔP filter, "WC	
JH-SS-03, Influence	-0.014	Flow rate, cfm	240	Post-Blower Temp, OF	110
JH-SS-04, Influence	-0.036	Effl PID, ppm	NG		
JH-SS-05, Influence	-0.197				
AV-1, Influence	-0.212				
AV-2, Influence	-0.358				

Comments:

Access by Brad Ansary, discussed site status.

Renewed Verizon service for one year. Verizon will not be supporting 3G cellular in ~ 1 year and recommends replacement with 4G Bluetoooth enabled phone. Approximate cost is $60.

Replaced pressure switch input for autodialer alarm.

Appendix D
SSDS Effluent Analytical Report

SVE Emissions Analysis - July 2021
Johnson & Hoffman Manufacturing Facility, Carle Place, New York

Point Source Method - Conservative Approach

Use this method only if the stack height to building height ratio is less than 1.5 (no credit given for plume rise rise due to buoyancy or momentum).

Emission Point	EP-1
h_e - stack height (ft)	30
Air flow rate (scfm)	230

Building Height = 25 feet h_e/h_b = 1.2 Ratio < 1.5 = OK

Contaminant	Extracted Soil Vapor Concentration (ug/m^3) [1]	Q (lb/hr)	Q_a (lb/yr)	C_a (ug/m^3)	C_p (ug/m^3)	C_{st} (ug/m^3)	DAR-1 Values AGC [2] (ug/m^3)	DAR-1 Values SGC [2] (ug/m^3)	AGC Exceeded?	SGC Exceeded?
Vinyl chloride (VC)	**0.19**	1.64E-07	0.001	0.00000	0.00000	0.000	0.11	180,000	No	No
Tetrachloroethene (PCE)	**382**	3.29E-04	2.882	0.00821	0.00820	0.533	3.8	300	No	No
Trichloroethene (TCE)	**34**	2.93E-05	0.257	0.00073	0.00073	0.047	0.2	20	No	No
cis-1,2-Dichloroethene (DCE)	**40**	3.45E-05	0.302	0.00086	0.00086	0.056	63	None	No	No
1,2, 4 Trimethylbenzene	**3.00**	2.58E-06	0.023	0.00006	0.00006	0.004	60	None	No	No
2-Butanone (Methyl Ethyl Ketone)	**1.5**	1.29E-06	0.011	0.00003	0.00003	0.002	5000	13,000	No	No
Acetone	**11.0**	9.48E-06	0.083	0.00024	0.00024	0.015	30000	180,000	No	No
Chloromethane	**0.76**	6.55E-07	0.006	0.00002	0.00002	0.001	90	22,000	No	No
Dichlorodifluoromethane (Freon 12)	**2.3**	1.98E-06	0.017	0.00005	0.00005	0.003	12000	None	No	No
Ethanol	**28.80**	2.48E-05	0.217	0.00062	0.00062	0.040	45000	None	No	No
Ethyl Acetate	**12.00**	1.03E-05	0.091	0.00026	0.00026	0.017	3400	None	No	No
Ethyl Benzene	**1.6**	1.38E-06	0.012	0.00003	0.00003	0.002	10000	None	No	No
Hexane	**1.80**	1.55E-06	0.014	0.00004	0.00004	0.003	700	None	No	No
Isopropyl Alcohol	**2.70**	2.33E-06	0.020	0.00006	0.00006	0.004	7000	98,000	No	No
Methylene Chloride (Dichloromethane)	**10.0**	8.61E-06	0.075	0.00021	0.00021	0.014	46	14,000	No	No
Styrene	**2.30**	1.98E-06	0.017	0.00005	0.00005	0.003	1000	17,000	No	No
Toluene	**2.30**	1.98E-06	0.017	0.00005	0.00005	0.003	5000	37,000	No	No
Trichlorofluoromethane (Freon 11)	**4.4**	3.79E-06	0.033	0.00009	0.00009	0.006	5000	9,000	No	No
Xylenes (total)	**4.30**	3.70E-06	0.032	0.00009	0.00009	0.006	100	22,000	No	No

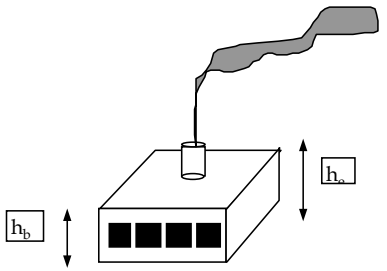
[1] VOC concentrations at outlet of SVE blower on 16 July 2021 prior to any treatment.
[2] AGC/SGC Concentrations per 21 February 2021 Revision

Equations Used:

Maximum Actual Annual Impact
C_a (ug/m^3) = (6.0*Q_a)/($h_e^{2.25}$)
where Q_a is in lbs/yr and h_e is in feet

Maximum Potential Annual Impact
C_p (ug/m^3) = (52500*Q)/($h_e^{2.25}$)
where Q is lbs/hr and h_e is in feet

Maximum Short Term Impact
C_{st} (ug/m^3) = C_p * 65



Mass flow
Q = (C)(air flow in ft^3/min)(1 m^3/ 35.32 ft^3)(1 g/1,000,000 ug)(1 lb/453.6 g)(60 min/hr) where Q is in lb/hr and C is in ug/m^3
Q_a = (Q)(8760hr/yr); where Q_a is in lb/yr

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ERM, Inc.

Johnson & Hoffman, Carle Place, NY

0607141.02

SGS Job Number: JD28639

Sampling Date: 07/16/21

Report to:

ERM, Inc.
105 Maxess Road Suite 316
Melville, NY 11747-3851
brice.lynch@ERM.com

ATTN: Brice Lynch

Total number of pages in report: 273

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

Mike Earp

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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SGS North America Inc.

Sample Summary

ERM, Inc.

Job No: JD28639

Johnson & Hoffman, Carle Place, NY
Project No: 0607141.02

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD28639-1	07/16/21	08:22	JMX	07/20/21	AIR	Soil Vapor Comp.	STACK071621

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	ERM, Inc.	**Job No:**	JD28639
Site:	Johnson & Hoffman, Carle Place, NY	**Report Date**	7/30/2021 5:02:54 PM

On 07/20/2021, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. A SGS North America Inc. Job Number of JD28639 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.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V2W2425

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD28968-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for m-Dichlorobenzene, Methylene chloride are outside control limits for sample JD28968-1DUP.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the 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.

SGS North America Inc. 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 SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD28639
Account: ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Collected: 07/16/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD28639-1	**STACK071621**					
Acetone		4.5	0.40	0.22	ppbv	TO-15
Chloromethane		0.37 J	0.40	0.031	ppbv	TO-15
Dichlorodifluoromethane		0.47	0.40	0.033	ppbv	TO-15
cis-1,2-Dichloroethylene		10	0.080	0.023	ppbv	TO-15
Ethanol		15.3	1.0	0.44	ppbv	TO-15
Ethylbenzene		0.37 J	0.40	0.030	ppbv	TO-15
Ethyl Acetate		3.4	0.40	0.075	ppbv	TO-15
Hexane		0.51	0.40	0.021	ppbv	TO-15
Isopropyl Alcohol		1.1	0.40	0.13	ppbv	TO-15
Methylene chloride		2.9	0.40	0.029	ppbv	TO-15
Methyl ethyl ketone		0.51	0.40	0.084	ppbv	TO-15
Styrene		0.54	0.40	0.038	ppbv	TO-15
1,2,4-Trimethylbenzene		0.62	0.40	0.066	ppbv	TO-15
Tetrachloroethylene		56.3	0.080	0.062	ppbv	TO-15
Toluene		0.62	0.40	0.029	ppbv	TO-15
Trichloroethylene		6.3	0.080	0.038	ppbv	TO-15
Trichlorofluoromethane		0.79	0.20	0.056	ppbv	TO-15
Vinyl chloride		0.074 J	0.080	0.045	ppbv	TO-15
m,p-Xylene		0.63	0.40	0.068	ppbv	TO-15
o-Xylene		0.38 J	0.40	0.034	ppbv	TO-15
Xylenes (total)		1.0	0.40	0.034	ppbv	TO-15
Acetone		11	0.95	0.52	ug/m3	TO-15
Chloromethane		0.76 J	0.83	0.064	ug/m3	TO-15
Dichlorodifluoromethane		2.3	2.0	0.16	ug/m3	TO-15
cis-1,2-Dichloroethylene		40	0.32	0.091	ug/m3	TO-15
Ethanol		28.8	1.9	0.83	ug/m3	TO-15
Ethylbenzene		1.6 J	1.7	0.13	ug/m3	TO-15
Ethyl Acetate		12	1.4	0.27	ug/m3	TO-15
Hexane		1.8	1.4	0.074	ug/m3	TO-15
Isopropyl Alcohol		2.7	0.98	0.32	ug/m3	TO-15
Methylene chloride		10	1.4	0.10	ug/m3	TO-15
Methyl ethyl ketone		1.5	1.2	0.25	ug/m3	TO-15
Styrene		2.3	1.7	0.16	ug/m3	TO-15
1,2,4-Trimethylbenzene		3.0	2.0	0.32	ug/m3	TO-15
Tetrachloroethylene		382	0.54	0.42	ug/m3	TO-15
Toluene		2.3	1.5	0.11	ug/m3	TO-15
Trichloroethylene		34	0.43	0.20	ug/m3	TO-15
Trichlorofluoromethane		4.4	1.1	0.31	ug/m3	TO-15
Vinyl chloride		0.19 J	0.20	0.12	ug/m3	TO-15
m,p-Xylene		2.7	1.7	0.30	ug/m3	TO-15
o-Xylene		1.7 J	1.7	0.15	ug/m3	TO-15
Xylenes (total)		4.3	1.7	0.15	ug/m3	TO-15

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: STACK071621
Lab Sample ID: JD28639-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A088
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 07/16/21
Date Received: 07/20/21
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W54681.D	1	07/28/21 17:04	TCH	n/a	n/a	V2W2425
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	4.5	0.40	0.22	ppbv		11	0.95	0.52	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.40	0.092	ppbv		ND	0.88	0.20	ug/m3
71-43-2	78.11	Benzene	ND	0.40	0.024	ppbv		ND	1.3	0.077	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	0.054	ppbv		ND	1.3	0.36	ug/m3
75-25-2	252.8	Bromoform	ND	0.080	0.075	ppbv		ND	0.83	0.78	ug/m3
74-83-9	94.94	Bromomethane	ND	0.40	0.044	ppbv		ND	1.6	0.17	ug/m3
593-60-2	106.9	Bromoethene	ND	0.40	0.044	ppbv		ND	1.7	0.19	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.40	0.11	ppbv		ND	2.1	0.57	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.40	0.047	ppbv		ND	1.2	0.15	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.40	0.052	ppbv		ND	1.8	0.24	ug/m3
75-00-3	64.52	Chloroethane	ND	0.40	0.097	ppbv		ND	1.1	0.26	ug/m3
67-66-3	119.4	Chloroform	ND	0.40	0.040	ppbv		ND	2.0	0.20	ug/m3
74-87-3	50.49	Chloromethane	0.37	0.40	0.031	ppbv	J	0.76	0.83	0.064	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.40	0.079	ppbv		ND	1.3	0.25	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.40	0.050	ppbv		ND	2.1	0.26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.080	0.047	ppbv		ND	0.50	0.30	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.40	0.044	ppbv		ND	1.4	0.15	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.40	0.023	ppbv		ND	1.6	0.093	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.080	0.033	ppbv		ND	0.32	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.20	0.036	ppbv		ND	1.5	0.28	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.40	0.042	ppbv		ND	1.6	0.17	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.40	0.038	ppbv		ND	1.8	0.18	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.40	0.10	ppbv		ND	1.4	0.36	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.40	0.033	ppbv		2.3	2.0	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	0.067	ppbv		ND	1.7	0.57	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.40	0.015	ppbv		ND	1.6	0.059	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	10	0.080	0.023	ppbv		40	0.32	0.091	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.40	0.039	ppbv		ND	1.8	0.18	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	0.038	ppbv		ND	1.2	0.23	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.080	0.044	ppbv		ND	0.48	0.26	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	0.035	ppbv		ND	1.2	0.21	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.40	0.039	ppbv		ND	1.8	0.18	ug/m3

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

Report of Analysis

Client Sample ID: STACK071621
Lab Sample ID: JD28639-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A088
Method: TO-15
Project: Johnson & Hoffman, Carle Place, NY

Date Sampled: 07/16/21
Date Received: 07/20/21
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	15.3	1.0	0.44	ppbv		28.8	1.9	0.83	ug/m3
100-41-4	106.2	Ethylbenzene	0.37	0.40	0.030	ppbv	J	1.6	1.7	0.13	ug/m3
141-78-6	88	Ethyl Acetate	3.4	0.40	0.075	ppbv		12	1.4	0.27	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.40	0.059	ppbv		ND	2.0	0.29	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	0.26	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	0.038	ppbv		ND	1.4	0.27	ug/m3
142-82-5	100.2	Heptane	ND	0.40	0.035	ppbv		ND	1.6	0.14	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.18	0.091	ppbv		ND	1.9	0.97	ug/m3
110-54-3	86.17	Hexane	0.51	0.40	0.021	ppbv		1.8	1.4	0.074	ug/m3
591-78-6	100	2-Hexanone	ND	0.40	0.073	ppbv		ND	1.6	0.30	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.1	0.40	0.13	ppbv		2.7	0.98	0.32	ug/m3
75-09-2	84.94	Methylene chloride	2.9	0.40	0.029	ppbv		10	1.4	0.10	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.51	0.40	0.084	ppbv		1.5	1.2	0.25	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.40	0.072	ppbv		ND	1.6	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.40	0.038	ppbv		ND	1.4	0.14	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.40	0.065	ppbv		ND	1.6	0.27	ug/m3
115-07-1	42	Propylene	ND	1.0	0.032	ppbv		ND	1.7	0.055	ug/m3
100-42-5	104.1	Styrene	0.54	0.40	0.038	ppbv		2.3	1.7	0.16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	0.066	ppbv		ND	1.1	0.36	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	0.054	ppbv		ND	1.4	0.37	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	0.061	ppbv		ND	1.1	0.33	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.20	0.18	ppbv		ND	1.5	1.3	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.62	0.40	0.066	ppbv		3.0	2.0	0.32	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.40	0.067	ppbv		ND	2.0	0.33	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.40	0.044	ppbv		ND	1.9	0.21	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.40	0.028	ppbv		ND	1.2	0.085	ug/m3
127-18-4	165.8	Tetrachloroethylene	56.3	0.080	0.062	ppbv		382	0.54	0.42	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.40	0.10	ppbv		ND	1.2	0.29	ug/m3
108-88-3	92.14	Toluene	0.62	0.40	0.029	ppbv		2.3	1.5	0.11	ug/m3
79-01-6	131.4	Trichloroethylene	6.3	0.080	0.038	ppbv		34	0.43	0.20	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.79	0.20	0.056	ppbv		4.4	1.1	0.31	ug/m3
75-01-4	62.5	Vinyl chloride	0.074	0.080	0.045	ppbv	J	0.19	0.20	0.12	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.40	0.068	ppbv		ND	1.4	0.24	ug/m3
	106.2	m,p-Xylene	0.63	0.40	0.068	ppbv		2.7	1.7	0.30	ug/m3
95-47-6	106.2	o-Xylene	0.38	0.40	0.034	ppbv	J	1.7	1.7	0.15	ug/m3
1330-20-7	106.2	Xylenes (total)	1.0	0.40	0.034	ppbv		4.3	1.7	0.15	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		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
- 2018 MDL Study - Method: TO-15

SGS AIR

AIR CHAIN OF CUSTODY

PAGE 1 OF 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: TM-07821-13
SGS Quote #: | SGS Job #: JD 28639

Client / Reporting Information

Company Name: ERM
Address: 105 Maxess Rd Ste 316
City: Melville State: NY Zip: 11747
Project Contact: BRICE.LYNCH@ERM.com E-mail:
Phone #: 631 756 8900 Fax #:
Sampler(s) Name(s): MADDOX

Project Information

Project Name: Johnson Hoffman
Street: 40 Voice Rd
City: Carle Place State: NY
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: ~81°F Minimum:
Atmoshpheric Pressure (inches of Hg)
Start: Maximum:
Stop: ~30.01" Minimum:
Other weather comment:

Requested Analysis

TO15

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	TO15
1	STACK071621	SV	A088	6L	FC010	7/16/21	0820	28.581		JMox	7/16/21	0802	4"	81	JMox	1
	INITIAL ASESSMENT KS 7/19															
	LABEL VERIFICATION															

SUMMA FC

Turnaround Time (Business days)

- [X] Standard - 15 Days
- [ ] 10 Day
- [ ] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Other

Approved By: _____
Date: _____

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

- Comm A
- Comm B
- Reduced T2
- Full T1 X
- Other:
- DKQP reporting

Comments / Remarks

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 R. Daught	7/17/21 1430	1 Jd Eg	2 [illegible]	7/15/21 0920	FEDEX
Relinquished By: 3 Fedex	Date Time: 7-20-21 10:15	Received By: 3 MS	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # 13240		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

5.1 5

JD28639: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD28639 **Client:** ERM, INC. **Project:** JOHNSON & HOFFMAN, CARLE PLACE, NY

Date / Time Received: 7/20/2021 10:15:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

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:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

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:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD28639: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Received: 07/20/21

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A088	6	29.4	07/12/21	WC	CP11239	2W54076.D	JD28639-1	07/22/21	WC	7.5			1

SGS Bottle Order(s):
TM-07821-13

Prep Date	Room Temp(F)	Bar Pres "Hg
07/12/21	70	29.92

Internal Sample Tracking Chronicle

ERM, Inc.

Job No: JD28639

Johnson & Hoffman, Carle Place, NY
Project No: 0607141.02

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD28639-1	Collected: 16-JUL-21 08:22	By: JMX	Received: 20-JUL-21	By: MK		
STACK071621						
JD28639-1	TO-15	28-JUL-21 17:04	TCH			VTO15NYSVLL

SGS Internal Chain of Custody

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Received: 07/20/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD28639-1.1	Todd Shoemaker	Air Storage	07/21/21 15:08	Return to Storage
JD28639-1.1	Air Storage	Thomas Hilbig	07/28/21 14:50	Retrieve from Storage
JD28639-1.1	Thomas Hilbig	GCMS2W	07/28/21 14:50	Load on Instrument
JD28639-1.1	GCMS2W	Thomas Hilbig	07/30/21 11:09	Unload from Instrument
JD28639-1.1	Thomas Hilbig	Air Storage	07/30/21 11:09	Return to Storage
JD28639-1.2	Todd Shoemaker	Air Storage	07/21/21 15:08	Return to Storage

Accutest Laboratories Annual Method Detection Limit Determination
Dayton, NJ Facility

Method: TO-15 (VTO14/15)
Instrument(s): GCMS3W, GCMS5W, GCMS6W
Analyst: Pooled

Matrix: AIR
Quant Factor: 1.00
Study Period: July,2018

			Replicate Spikes											
Cmpd./Element/Parm. Name	Analysis Date	Spike ppbv	R1 ppbv	R2 ppbv	R3 ppbv	R4 ppbv	R5 ppbv	R6 ppbv	R7 ppbv	X-Bar ppbv	X-Bar %Recov.	STD.Dev. ppbv	MDL	Spike/MDL Ratio
Acetone	4-Apr-18	0.1	0.15	0.17	0.14	0.17	0.17	0.09	0.09	0.14	139.43	0.04	0.11	0.89
Acrylonitrile	6-Mar-18	0.1	0.11	0.13	0.13	0.10	0.11	0.09	0.10	0.11	110.28	0.02	0.05	1.97
Acetonitrile	4-Apr-18	0.1	0.17	0.13	0.16	0.15	0.21	0.09	0.07	0.14	140.53	0.05	0.15	0.67
1,3-Butadiene	4-Apr-18	0.1	0.10	0.11	0.10	0.10	0.10	0.07	0.07	0.09	93.21	0.01	0.05	2.16
Benzene	6-Mar-18	0.1	0.10	0.10	0.10	0.09	0.09	0.10	0.10	0.10	96.63	0.00	0.01	8.40
Bromobenzene	4-Apr-18	0.04	0.05	0.04	0.05	0.04	0.05	0.03	0.03	0.04	103.07	0.01	0.02	1.79
Bromodichloromethane	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.05	120.64	0.01	0.03	1.49
Bromoform	4-Apr-18	0.04	0.06	0.06	0.06	0.05	0.06	0.03	0.03	0.05	127.36	0.01	0.04	1.07
Bromomethane	4-Apr-18	0.04	0.06	0.05	0.05	0.06	0.06	0.04	0.04	0.05	128.54	0.01	0.02	1.82
Bromoethene	4-Apr-18	0.04	0.04	0.05	0.05	0.04	0.04	0.03	0.03	0.04	103.18	0.01	0.02	1.82
n-Butane	9-Jul-18	0.2	0.20	0.18	0.20	0.18	0.12	0.20	0.15	0.18	88.23	0.03	0.10	2.10
Benzyl Chloride	4-Apr-18	0.1	0.10	0.09	0.09	0.08	0.08	0.05	0.05	0.08	77.01	0.02	0.06	1.77
n-Butylbenzene	6-Mar-18	0.1	0.07	0.07	0.07	0.09	0.07	0.05	0.06	0.07	69.64	0.01	0.04	2.69
sec-Butylbenzene	6-Mar-18	0.1	0.09	0.10	0.09	0.11	0.10	0.07	0.08	0.09	91.41	0.01	0.04	2.26
tert-Butylbenzene	6-Mar-18	0.1	0.09	0.10	0.10	0.11	0.10	0.07	0.09	0.09	93.20	0.01	0.04	2.71
Carbon disulfide	16-Mar-18	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.03	84.90	0.01	0.02	1.69
Chlorobenzene	4-Apr-18	0.04	0.06	0.05	0.05	0.05	0.05	0.03	0.04	0.05	121.74	0.01	0.03	1.53
Chlorodifluoromethane	4-Apr-18	0.1	0.11	0.12	0.12	0.12	0.11	0.07	0.03	0.10	97.42	0.03	0.10	0.96
Chloroethane	4-Apr-18	0.1	0.11	0.10	0.10	0.10	0.11	0.08	0.08	0.10	98.82	0.02	0.05	2.07
Chlorotrifluoroethene	16-Mar-18	0.04	0.04	0.03	0.03	0.04	0.04	0.05	0.04	0.04	96.91	0.00	0.01	2.74
Chloroform	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.04	109.12	0.01	0.02	2.01
Chloromethane	4-Apr-18	0.1	0.09	0.10	0.09	0.10	0.10	0.08	0.09	0.09	92.74	0.00	0.02	6.54
3-Chloropropene	16-Mar-18	0.1	0.08	0.08	0.07	0.05	0.06	0.08	0.07	0.07	70.88	0.01	0.04	2.52
2-Chlorotoluene	4-Apr-18	0.1	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.08	82.41	0.01	0.03	4.00
Carbon tetrachloride	4-Apr-18	0.04	0.04	0.04	0.05	0.05	0.05	0.03	0.03	0.04	105.24	0.01	0.02	1.70
Cyclohexane	4-Apr-18	0.1	0.06	0.07	0.06	0.06	0.06	0.08	0.08	0.07	66.65	0.01	0.02	4.55
1,1-Dichloroethane	4-Apr-18	0.1	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.10	95.35	0.00	0.01	8.62
1,1-Dichloroethylene	6-Mar-18	0.04	0.06	0.05	0.05	0.05	0.04	0.05	0.05	0.05	122.85	0.01	0.02	2.40
1,2-Dibromoethane	4-Apr-18	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	92.37	0.01	0.02	2.25
1,2-Dichloroethane	4-Apr-18	0.04	0.04	0.05	0.04	0.05	0.05	0.03	0.03	0.04	102.51	0.01	0.02	1.92
1,2-Dichloropropane	6-Mar-18	0.04	0.05	0.05	0.05	0.04	0.04	0.05	0.06	0.05	123.28	0.01	0.02	2.09
1,3-Dichloropropane	6-Mar-18	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	79.01	0.01	0.02	2.54
1,4-Dioxane	16-Mar-18	0.1	0.10	0.09	0.07	0.09	0.09	0.06	0.05	0.08	77.81	0.02	0.05	1.93
Dichlorodifluoromethane	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	113.93	0.01	0.02	2.43

Dichlorofluoromethane	4-Apr-18	0.04	0.05	0.06	0.05	0.06	0.05	0.04	0.04	0.05	121.63	0.01	0.03	1.44
Dibromochloromethane	4-Apr-18	0.04	0.06	0.06	0.05	0.05	0.05	0.03	0.03	0.05	119.40	0.01	0.03	1.20
Dibromomethane	4-Apr-18	0.04	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.05	129.43	0.01	0.02	1.61
trans-1,2-Dichloroethylene	16-Mar-18	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	78.89	0.00	0.01	5.45
cis-1,2-Dichloroethylene	16-Mar-18	0.04	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.03	84.39	0.00	0.01	3.43
cis-1,3-Dichloropropene	6-Mar-18	0.1	0.10	0.10	0.10	0.08	0.09	0.09	0.09	0.09	91.08	0.01	0.02	5.13
m-Dichlorobenzene	4-Apr-18	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	87.14	0.01	0.02	2.12
o-Dichlorobenzene	6-Mar-18	0.1	0.08	0.09	0.08	0.08	0.08	0.07	0.07	0.08	79.00	0.01	0.02	4.58
p-Dichlorobenzene	4-Apr-18	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	84.30	0.01	0.02	2.29
trans-1,3-Dichloropropene	4-Apr-18	0.1	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.07	74.34	0.01	0.02	5.13
Di-Isopropyl ether	6-Mar-18	0.2	0.21	0.22	0.22	0.21	0.22	0.20	0.21	0.21	106.79	0.01	0.03	6.78
2,3-Dimethylpentane	4-Apr-18	0.1	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.08	76.36	0.01	0.02	5.07
2,4-Dimethylpentane	4-Apr-18	0.1	0.07	0.07	0.06	0.07	0.07	0.08	0.08	0.07	69.67	0.01	0.02	5.70
Ethanol	4-Apr-18	0.1	0.20	0.20	0.22	0.21	0.21	0.08	0.06	0.17	168.18	0.07	0.22	0.46
Ethylbenzene	6-Mar-18	0.1	0.09	0.10	0.10	0.10	0.09	0.11	0.09	0.10	96.79	0.00	0.02	6.61
Ethyl Acetate	6-Mar-18	0.1	0.08	0.08	0.10	0.09	0.09	0.06	0.06	0.08	79.31	0.01	0.04	2.66
Ethyl Acrylate	6-Mar-18	0.1	0.08	0.09	0.10	0.08	0.08	0.06	0.06	0.08	76.98	0.01	0.05	2.16
4-Ethyltoluene	6-Mar-18	0.1	0.08	0.09	0.09	0.09	0.09	0.07	0.07	0.08	82.05	0.01	0.03	3.38
Freon 113	4-Apr-18	0.04	0.05	0.04	0.05	0.04	0.04	0.03	0.03	0.04	103.42	0.01	0.02	2.34
Freon 114	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	115.71	0.01	0.02	2.09
Freon 115	6-Mar-18	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	99.91	0.00	0.01	5.22
Freon 123	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.04	107.96	0.01	0.02	2.05
Freon 123A	16-Mar-18	0.04	0.05	0.04	0.04	0.04	0.04	0.08	0.08	0.05	131.10	0.02	0.06	0.63
Freon 141B	4-Apr-18	0.04	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.05	132.21	0.01	0.03	1.30
Freon 142B	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.05	120.27	0.01	0.03	1.46
Freon 143a	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	119.26	0.01	0.02	1.96
Freon 152A	4-Apr-18	0.1	0.09	0.10	0.10	0.10	0.10	0.08	0.08	0.09	93.15	0.01	0.03	3.93
Heptane	16-Mar-18	0.04	0.03	0.02	0.02	0.01	0.02	0.02	0.01	0.02	51.50	0.01	0.02	2.29
Hexachlorobutadiene	4-Apr-18	0.04	0.07	0.07	0.07	0.07	0.06	0.04	0.04	0.06	141.60	0.01	0.05	0.88
Hexachloroethane	4-Apr-18	0.04	0.07	0.07	0.07	0.07	0.07	0.04	0.03	0.06	148.40	0.02	0.05	0.75
Hexane	6-Mar-18	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	101.95	0.00	0.01	3.79
2-Hexanone	6-Mar-18	0.1	0.07	0.08	0.08	0.08	0.07	0.05	0.06	0.07	68.64	0.01	0.04	2.76
Iodomethane	6-Mar-18	0.1	0.10	0.10	0.10	0.09	0.09	0.10	0.09	0.10	96.55	0.00	0.01	8.77
Isopropylbenzene	6-Mar-18	0.1	0.10	0.10	0.10	0.11	0.10	0.09	0.08	0.10	95.35	0.01	0.03	3.65
Isopropyl Alcohol	9-Jul-18	0.2	0.32	0.32	0.31	0.32	0.29	0.27	0.33	0.31	154.14	0.02	0.06	3.09
p-Isopropyltoluene	6-Mar-18	0.1	0.08	0.09	0.09	0.10	0.10	0.07	0.07	0.09	85.96	0.01	0.04	2.82
Methylene chloride	6-Mar-18	0.1	0.13	0.14	0.13	0.12	0.13	0.12	0.13	0.13	130.26	0.00	0.01	6.92
Methyl ethyl ketone	6-Mar-18	0.1	0.08	0.08	0.09	0.09	0.10	0.06	0.06	0.08	80.25	0.01	0.04	2.38
Methyl Isobutyl Ketone	6-Mar-18	0.1	0.08	0.09	0.10	0.09	0.09	0.06	0.08	0.08	82.66	0.01	0.04	2.78
Methyl Tert Butyl Ether	6-Mar-18	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	95.74	0.01	0.02	2.09
Methylmethacrylate	6-Mar-18	0.1	0.08	0.08	0.09	0.08	0.09	0.06	0.07	0.08	79.33	0.01	0.03	3.07
Naphthalene	16-Mar-18	0.2	0.08	0.07	0.07	0.06	0.05	0.01	0.01	0.05	25.45	0.03	0.09	2.20
Nonane	16-Mar-18	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	69.05	0.00	0.01	2.98
Octane	4-Apr-18	0.1	0.06	0.05	0.05	0.05	0.05	0.07	0.07	0.06	57.51	0.01	0.03	3.20
Pentane	16-Mar-18	0.2	0.20	0.20	0.18	0.20	0.17	0.17	0.16	0.18	91.02	0.02	0.06	3.63

n-Propylbenzene	6-Mar-18	0.1	0.08	0.09	0.08	0.09	0.09	0.07	0.07	0.08	81.29	0.01	0.03	3.80
Propylene	16-Mar-18	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.04	0.05	115.79	0.01	0.02	2.51
Styrene	4-Apr-18	0.1	0.07	0.07	0.07	0.06	0.06	0.07	0.07	0.06	64.67	0.01	0.02	5.30
1,1,1-Trichloroethane	4-Apr-18	0.04	0.05	0.06	0.06	0.05	0.05	0.03	0.03	0.05	120.15	0.01	0.03	1.20
1,1,1,2-Tetrachloroethane	4-Apr-18	0.04	0.05	0.06	0.05	0.06	0.05	0.04	0.03	0.05	123.96	0.01	0.04	1.10
1,1,2,2-Tetrachloroethane	4-Apr-18	0.04	0.05	0.05	0.05	0.05	0.05	0.03	0.03	0.05	113.92	0.01	0.03	1.47
1,1,2-Trichloroethane	4-Apr-18	0.04	0.04	0.04	0.05	0.05	0.04	0.02	0.03	0.04	95.93	0.01	0.03	1.31
1,2,4-Trichlorobenzene	6-Mar-18	0.2	0.12	0.16	0.11	0.11	0.10	0.08	0.08	0.11	54.59	0.03	0.09	2.26
1,2,3-Trichloropropane	6-Mar-18	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.06	0.04	94.35	0.01	0.04	1.12
1,2,4-Trimethylbenzene	6-Mar-18	0.1	0.08	0.09	0.09	0.09	0.09	0.07	0.07	0.08	84.25	0.01	0.03	3.03
1,3,5-Trimethylbenzene	6-Mar-18	0.1	0.09	0.09	0.10	0.10	0.10	0.08	0.08	0.09	89.95	0.01	0.03	2.98
2,2,4-Trimethylpentane	6-Mar-18	0.1	0.11	0.11	0.11	0.09	0.09	0.10	0.10	0.10	100.21	0.01	0.02	4.59
Tertiary Butyl Alcohol	6-Mar-18	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	97.25	0.00	0.01	2.90
Tetrachloroethylene	6-Mar-18	0.2	0.20	0.22	0.21	0.23	0.21	0.21	0.22	0.21	106.97	0.01	0.03	6.49
Tetrahydrofuran	16-Mar-18	0.1	0.07	0.05	0.05	0.08	0.06	0.03	0.04	0.05	54.16	0.02	0.05	1.99
Toluene	6-Mar-18	0.1	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	92.31	0.00	0.01	6.94
Trichloroethylene	4-Apr-18	0.04	0.04	0.05	0.04	0.04	0.05	0.03	0.03	0.04	101.18	0.01	0.02	2.10
Trichlorofluoromethane	4-Apr-18	0.04	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.05	129.81	0.01	0.03	1.42
Vinyl chloride	4-Apr-18	0.1	0.10	0.11	0.10	0.10	0.10	0.09	0.09	0.10	97.80	0.01	0.02	4.49
Vinyl Acetate	6-Mar-18	0.1	0.06	0.04	0.04	0.06	0.06	0.04	0.04	0.05	50.75	0.01	0.03	2.93
m,p-Xylene	6-Mar-18	0.2	0.17	0.18	0.18	0.18	0.19	0.19	0.16	0.18	89.18	0.01	0.03	5.86
o-Xylene	6-Mar-18	0.1	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.09	87.80	0.01	0.02	5.90
TVHC As Equiv Pentane	16-Mar-18	0.1	0.14	0.14	0.15	0.13	0.14	0.11	0.12	0.13	133.35	0.01	0.04	2.64

MS Volatiles

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
- Run Sequence Reports

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-MB	2W54671.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.11	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.012	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.027	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.024	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.017	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.018	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.017	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.033	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.012	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.018	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.22	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.015	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-MB	2W54671.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.017	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.019	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.018	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.011	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.065	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.042	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.016	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.019	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.033	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.027	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.089	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.014	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.014	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.028	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.034	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.017	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.017	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-MB	2W54671.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	101%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	1.80	30	ppbv	JN
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-MB	2W54064.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.11	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.012	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.027	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.024	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.017	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.018	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.017	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.033	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.012	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.018	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.22	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.015	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-MB	2W54064.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.017	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.019	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.018	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.011	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.065	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.042	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.016	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.019	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.033	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.027	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.089	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.014	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.014	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.028	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.034	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.017	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.017	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-MB	2W54064.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-BS	2W54668.D	1	07/28/21	TCH	n/a	n/a	V2W2425
V2W2425-BSD	2W54669.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.9	89	8.7	87	2	70-130/30
106-99-0	1,3-Butadiene	10	9.8	98	9.7	97	1	70-130/30
71-43-2	Benzene	10	9.6	96	9.6	96	0	70-130/30
75-27-4	Bromodichloromethane	10	9.4	94	9.5	95	1	70-130/30
75-25-2	Bromoform	10	9.4	94	9.8	98	4	70-130/30
74-83-9	Bromomethane	10	9.7	97	9.6	96	1	70-130/30
593-60-2	Bromoethene	10	9.4	94	9.4	94	0	70-130/30
100-44-7	Benzyl Chloride	10	12.0	120	12.3	123	2	70-130/30
75-15-0	Carbon disulfide	10	9.6	96	9.7	97	1	70-130/30
108-90-7	Chlorobenzene	10	8.4	84	8.7	87	4	70-130/30
75-00-3	Chloroethane	10	9.6	96	9.5	95	1	70-130/30
67-66-3	Chloroform	10	9.7	97	9.5	95	2	70-130/30
74-87-3	Chloromethane	10	9.3	93	9.3	93	0	70-130/30
107-05-1	3-Chloropropene	10	10.1	101	9.9	99	2	70-130/30
95-49-8	2-Chlorotoluene	10	8.9	89	9.1	91	2	70-130/30
56-23-5	Carbon tetrachloride	10	9.9	99	9.9	99	0	70-130/30
110-82-7	Cyclohexane	10	9.3	93	9.4	94	1	70-130/30
75-34-3	1,1-Dichloroethane	10	9.9	99	9.9	99	0	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.3	93	9.4	94	1	70-130/30
106-93-4	1,2-Dibromoethane	10	9.9	99	10	100	1	70-130/30
107-06-2	1,2-Dichloroethane	10	9.9	99	9.9	99	0	70-130/30
78-87-5	1,2-Dichloropropane	10	9.1	91	9.0	90	1	70-130/30
123-91-1	1,4-Dioxane	10	9.3	93	9.2	92	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.7	97	10.0	100	3	70-130/30
124-48-1	Dibromochloromethane	10	9.7	97	9.8	98	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.5	95	9.6	96	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.7	97	9.8	98	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.9	99	9.9	99	0	70-130/30
541-73-1	m-Dichlorobenzene	10	8.8	88	9.0	90	2	70-130/30
95-50-1	o-Dichlorobenzene	10	8.9	89	9.3	93	4	70-130/30
106-46-7	p-Dichlorobenzene	10	9.1	91	9.2	92	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.3	103	10.5	105	2	70-130/30
64-17-5	Ethanol	10	8.7	87	8.8	88	1	70-130/30
100-41-4	Ethylbenzene	10	8.8	88	9.0	90	2	70-130/30
141-78-6	Ethyl Acetate	10	10.1	101	10.3	103	2	70-130/30
622-96-8	4-Ethyltoluene	10	9.2	92	9.4	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-BS	2W54668.D	1	07/28/21	TCH	n/a	n/a	V2W2425
V2W2425-BSD	2W54669.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.6	96	9.6	96	0	70-130/30
76-14-2	Freon 114	10	9.9	99	9.9	99	0	70-130/30
142-82-5	Heptane	10	9.5	95	9.3	93	2	70-130/30
87-68-3	Hexachlorobutadiene	10	8.1	81	8.4	84	4	70-130/30
110-54-3	Hexane	10	9.7	97	9.7	97	0	70-130/30
591-78-6	2-Hexanone	10	9.6	96	9.4	94	2	70-130/30
67-63-0	Isopropyl Alcohol	10	9.7	97	9.5	95	2	70-130/30
75-09-2	Methylene chloride	10	9.1	91	9.2	92	1	70-130/30
78-93-3	Methyl ethyl ketone	10	9.8	98	9.9	99	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.6	96	9.5	95	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.3	103	10.3	103	0	70-130/30
80-62-6	Methylmethacrylate	10	10.2	102	10.2	102	0	70-130/30
115-07-1	Propylene	10	8.8	88	8.9	89	1	70-130/30
100-42-5	Styrene	10	9.2	92	9.4	94	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.9	99	10.1	101	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	8.8	88	9.0	90	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.3	93	9.4	94	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.4	84	8.7	87	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.2	92	9.5	95	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.0	90	9.1	91	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.5	95	9.3	93	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.7	107	10.7	107	0	70-130/30
127-18-4	Tetrachloroethylene	10	9.6	96	9.5	95	1	70-130/30
109-99-9	Tetrahydrofuran	10	10.5	105	10.2	102	3	70-130/30
108-88-3	Toluene	10	9.4	94	9.4	94	0	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.5	95	0	70-130/30
75-69-4	Trichlorofluoromethane	10	9.8	98	9.9	99	1	70-130/30
75-01-4	Vinyl chloride	10	9.5	95	9.4	94	1	70-130/30
108-05-4	Vinyl Acetate	10	10.2	102	10	100	2	70-130/30
	m,p-Xylene	20	17.8	89	18.3	92	3	70-130/30
95-47-6	o-Xylene	10	8.7	87	9.0	90	3	70-130/30
1330-20-7	Xylenes (total)	30	26.5	88	27.3	91	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2425-BS	2W54668.D	1	07/28/21	TCH	n/a	n/a	V2W2425
V2W2425-BSD	2W54669.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	104%	104%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-BS	2W54060.D	1	06/17/21	TCH	n/a	n/a	V2W2397
V2W2397-BSD	2W54061.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.1	81	8.0	80	1	70-130/30
106-99-0	1,3-Butadiene	10	10.2	102	10.3	103	1	70-130/30
71-43-2	Benzene	10	8.1	81	8.3	83	2	70-130/30
75-27-4	Bromodichloromethane	10	10.5	105	10.6	106	1	70-130/30
75-25-2	Bromoform	10	12.0	120	11.9	119	1	70-130/30
74-83-9	Bromomethane	10	9.0	90	9.0	90	0	70-130/30
593-60-2	Bromoethene	10	8.9	89	9.0	90	1	70-130/30
100-44-7	Benzyl Chloride	10	13.2	132* [a]	13.2	132* [a]	0	70-130/30
75-15-0	Carbon disulfide	10	10.5	105	10.6	106	1	70-130/30
108-90-7	Chlorobenzene	10	8.4	84	8.4	84	0	70-130/30
75-00-3	Chloroethane	10	9.7	97	9.6	96	1	70-130/30
67-66-3	Chloroform	10	9.2	92	9.4	94	2	70-130/30
74-87-3	Chloromethane	10	10.7	107	10.8	108	1	70-130/30
107-05-1	3-Chloropropene	10	9.0	90	8.9	89	1	70-130/30
95-49-8	2-Chlorotoluene	10	9.3	93	9.4	94	1	70-130/30
56-23-5	Carbon tetrachloride	10	11.6	116	11.6	116	0	70-130/30
110-82-7	Cyclohexane	10	8.4	84	8.3	83	1	70-130/30
75-34-3	1,1-Dichloroethane	10	9.2	92	9.3	93	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.5	85	8.5	85	0	70-130/30
106-93-4	1,2-Dibromoethane	10	9.4	94	9.4	94	0	70-130/30
107-06-2	1,2-Dichloroethane	10	10.3	103	10.3	103	0	70-130/30
78-87-5	1,2-Dichloropropane	10	9.1	91	9.0	90	1	70-130/30
123-91-1	1,4-Dioxane	10	8.4	84	8.4	84	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.7	117	12.0	120	3	70-130/30
124-48-1	Dibromochloromethane	10	11.1	111	11.1	111	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.5	85	8.6	86	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.5	85	8.5	85	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.1	101	10.1	101	0	70-130/30
541-73-1	m-Dichlorobenzene	10	9.5	95	9.4	94	1	70-130/30
95-50-1	o-Dichlorobenzene	10	9.9	99	10.0	100	1	70-130/30
106-46-7	p-Dichlorobenzene	10	9.6	96	9.4	94	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.4	104	10.4	104	0	70-130/30
64-17-5	Ethanol	10	9.9	99	10.2	102	3	70-130/30
100-41-4	Ethylbenzene	10	7.8	78	7.8	78	0	70-130/30
141-78-6	Ethyl Acetate	10	9.8	98	10	100	2	70-130/30
622-96-8	4-Ethyltoluene	10	9.4	94	9.5	95	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-BS	2W54060.D	1	06/17/21	TCH	n/a	n/a	V2W2397
V2W2397-BSD	2W54061.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.7	87	8.7	87	0	70-130/30
76-14-2	Freon 114	10	9.4	94	9.7	97	3	70-130/30
142-82-5	Heptane	10	10.0	100	10.0	100	0	70-130/30
87-68-3	Hexachlorobutadiene	10	12.1	121	12.2	122	1	70-130/30
110-54-3	Hexane	10	8.9	89	8.9	89	0	70-130/30
591-78-6	2-Hexanone	10	8.9	89	8.9	89	0	70-130/30
67-63-0	Isopropyl Alcohol	10	8.6	86	8.6	86	0	70-130/30
75-09-2	Methylene chloride	10	7.9	79	7.9	79	0	70-130/30
78-93-3	Methyl ethyl ketone	10	8.6	86	8.9	89	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.7	97	9.7	97	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.6	86	8.8	88	2	70-130/30
80-62-6	Methylmethacrylate	10	9.5	95	9.5	95	0	70-130/30
115-07-1	Propylene	10	10.7	107	10.9	109	2	70-130/30
100-42-5	Styrene	10	8.7	87	8.7	87	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.2	102	10.2	102	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.5	95	9.6	96	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.2	92	9.2	92	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.5	105	10.6	106	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10	100	9.9	99	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.1	101	10.3	103	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.0	90	9.0	90	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.6	96	9.8	98	2	70-130/30
127-18-4	Tetrachloroethylene	10	8.4	84	8.3	83	1	70-130/30
109-99-9	Tetrahydrofuran	10	8.8	88	9.0	90	2	70-130/30
108-88-3	Toluene	10	7.9	79	7.9	79	0	70-130/30
79-01-6	Trichloroethylene	10	8.6	86	8.5	85	1	70-130/30
75-69-4	Trichlorofluoromethane	10	9.7	97	9.8	98	1	70-130/30
75-01-4	Vinyl chloride	10	9.8	98	9.8	98	0	70-130/30
108-05-4	Vinyl Acetate	10	10.1	101	10	100	1	70-130/30
	m,p-Xylene	20	15.9	80	15.8	79	1	70-130/30
95-47-6	o-Xylene	10	8.2	82	8.1	81	1	70-130/30
1330-20-7	Xylenes (total)	30	24.1	80	23.9	80	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-BS	2W54060.D	1	06/17/21	TCH	n/a	n/a	V2W2397
V2W2397-BSD	2W54061.D	1	06/17/21	TCH	n/a	n/a	V2W2397

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

V2W2397-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	97%	98%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD28968-1DUP	2W54676.D	1	07/28/21	TCH	n/a	n/a	V2W2425
JD28968-1	2W54675.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	JD28968-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	3.2		3.4		6	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	3.1		3.1		0	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	0.77	J	0.75	J	3	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.54	J	0.57	J	5	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	0.92		0.90		2	25
156-59-2	cis-1,2-Dichloroethylene	34.1		33.6		1	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		0.11	J	200* [a]	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	ND		ND		nc	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD28968-1DUP	2W54676.D	1	07/28/21	TCH	n/a	n/a	V2W2425
JD28968-1	2W54675.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Compound	JD28968-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	1.3		0.70	J	60* [a]	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.89		0.77		14	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	85.1		84.3		1	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	0.57		0.60	J	5	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD28968-1DUP	2W54676.D	1	07/28/21	TCH	n/a	n/a	V2W2425
JD28968-1	2W54675.D	1	07/28/21	TCH	n/a	n/a	V2W2425

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

JD28639-1

CAS No.	Surrogate Recoveries	DUP	JD28968-1	Limits
460-00-4	4-Bromofluorobenzene	102%	102%	65-128%

(a) Outside control limits.

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-SCC	2W54076.D	1	06/17/21	TCH	n/a	n/a	V2W2397

The QC reported here (Summa A224) applies to the following samples: **Method:** TO-15

Batch CP11239 cleaned 06/14/21: JD28639-1(A088)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.11	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.046	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.012	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.027	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.022	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.022	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.057	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.024	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.026	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.048	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.020	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.015	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.040	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.025	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.024	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.022	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.012	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.017	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.018	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.021	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.019	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.052	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.017	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.033	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.0073	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.012	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.019	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.022	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.018	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.020	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.22	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.015	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.038	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.030	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-SCC	2W54076.D	1	06/17/21	TCH	n/a	n/a	V2W2397

The QC reported here (Summa A224) applies to the following samples: **Method:** TO-15

Batch CP11239 cleaned 06/14/21: JD28639-1(A088)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.017	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.019	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.018	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.011	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.065	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.015	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.042	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.019	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.016	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.019	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.033	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.027	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.089	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.033	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.034	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.022	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.014	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.031	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.050	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.014	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.028	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.022	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.034	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.034	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.017	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.017	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2397-SCC	2W54076.D	1	06/17/21	TCH	n/a	n/a	V2W2397

The QC reported here (Summa A224) applies to the following samples: **Method:** TO-15

Batch CP11239 cleaned 06/14/21: JD28639-1(A088)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

Instrument Performance Check (BFB)

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-BFB
Lab File ID: 2W52193.D
Instrument ID: GCMS2W
Injection Date: 03/05/21
Injection Time: 10:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5496	12.9		Pass
75	30.0 - 66.0% of mass 95	17485	41.0		Pass
95	Base peak, 100% relative abundance	42651	100.0		Pass
96	5.0 - 9.0% of mass 95	2702	6.34		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	41493	97.3		Pass
175	4.0 - 9.01% of mass 174	3088	7.24	(7.44) [a]	Pass
176	93.0 - 101.0% of mass 174	39827	93.4	(96.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2573	6.03	(6.46) [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
V2W2318-ICC2318	2W52194.D	03/05/21	11:14	00:31	Initial cal 10
V2W2318-IC2318	2W52198.D	03/05/21	13:53	03:10	Initial cal 0.5
V2W2318-IC2318	2W52199.D	03/05/21	14:24	03:41	Initial cal 0.2
V2W2318-IC2318	2W52200.D	03/05/21	14:56	04:13	Initial cal 0.1
V2W2318-IC2318	2W52201.D	03/05/21	15:27	04:44	Initial cal 0.04
V2W2318-IC2318	2W52202.D	03/05/21	15:58	05:15	Initial cal 5
V2W2318-IC2318	2W52203.D	03/05/21	16:31	05:48	Initial cal 20
V2W2318-IC2318	2W52204.D	03/05/21	17:05	06:22	Initial cal 40
V2W2318-ICV2318	2W52206.D	03/05/21	18:07	07:24	Initial cal verification 10
V2W2319-BS	2W52207.D	03/05/21	18:40	07:57	Blank Spike
V2W2319-BSD	2W52208.D	03/05/21	19:12	08:29	Blank Spike Duplicate
V2W2319-MB	2W52210.D	03/05/21	20:17	09:34	Method Blank
JD20751-3	2W52211.D	03/05/21	20:53	10:10	(used for QC only; not part of job JD28639)
JD20751-3DUP	2W52212.D	03/05/21	21:29	10:46	Duplicate
ZZZZZZ	2W52213.D	03/05/21	22:03	11:20	(unrelated sample)
ZZZZZZ	2W52214.D	03/05/21	22:37	11:54	(unrelated sample)
ZZZZZZ	2W52215.D	03/05/21	23:13	12:30	(unrelated sample)
ZZZZZZ	2W52216.D	03/05/21	23:47	13:04	(unrelated sample)
ZZZZZZ	2W52217.D	03/06/21	00:22	13:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2397-BFB
Lab File ID: 2W54058.D
Instrument ID: GCMS2W
Injection Date: 06/17/21
Injection Time: 06:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5707	15.9		Pass
75	30.0 - 66.0% of mass 95	15805	44.1		Pass
95	Base peak, 100% relative abundance	35816	100.0		Pass
96	5.0 - 9.0% of mass 95	2181	6.09		Pass
173	Less than 2.0% of mass 174	240	0.67	(0.70) [a]	Pass
174	50.0 - 120.0% of mass 95	34189	95.5		Pass
175	4.0 - 9.01% of mass 174	2393	6.68	(7.00) [a]	Pass
176	93.0 - 101.0% of mass 174	33379	93.2	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	2103	5.87	(6.30) [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
V2W2397-CC2318	2W54059.D	06/17/21	07:41	00:47	Continuing cal 10
V2W2397-BS	2W54060.D	06/17/21	08:28	01:34	Blank Spike
V2W2397-BSD	2W54061.D	06/17/21	09:14	02:20	Blank Spike Duplicate
V2W2397-MB	2W54064.D	06/17/21	11:45	04:51	Method Blank
ZZZZZZ	2W54066.D	06/17/21	13:48	06:54	(unrelated sample)
ZZZZZZ	2W54067.D	06/17/21	14:19	07:25	(unrelated sample)
JD26591-1	2W54070.D	06/17/21	15:54	09:00	(used for QC only; not part of job JD28639)
JD26591-1DUP	2W54071.D	06/17/21	16:25	09:31	Duplicate
ZZZZZZ	2W54072.D	06/17/21	16:56	10:02	(unrelated sample)
ZZZZZZ	2W54073.D	06/17/21	17:27	10:33	(unrelated sample)
ZZZZZZ	2W54074.D	06/17/21	18:00	11:06	(unrelated sample)
V2W2397-SCC	2W54076.D	06/17/21	19:05	12:11	Summa Cleaning Certification
V2W2397-SCC	2W54077.D	06/17/21	19:37	12:43	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	V2W2424-BFB	**Injection Date:**	07/27/21
Lab File ID:	2W54653.D	**Injection Time:**	11:06
Instrument ID:	GCMS2W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17344	20.4		Pass
75	30.0 - 66.0% of mass 95	49021	57.7		Pass
95	Base peak, 100% relative abundance	84973	100.0		Pass
96	5.0 - 9.0% of mass 95	5881	6.92		Pass
173	Less than 2.0% of mass 174	215	0.25	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	74597	87.8		Pass
175	4.0 - 9.01% of mass 174	5828	6.86	(7.81) [a]	Pass
176	93.0 - 101.0% of mass 174	72717	85.6	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4763	5.61	(6.55) [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
V2W2424-IC2424	2W54654.D	07/27/21	11:38	00:32	Initial cal 0.5
V2W2424-IC2424	2W54655.D	07/27/21	12:10	01:04	Initial cal 0.2
V2W2424-IC2424	2W54656.D	07/27/21	12:41	01:35	Initial cal 0.1
V2W2424-IC2424	2W54657.D	07/27/21	13:13	02:07	Initial cal 0.04
V2W2424-IC2424	2W54658.D	07/27/21	13:44	02:38	Initial cal 5
V2W2424-ICC2424	2W54659.D	07/27/21	14:15	03:09	Initial cal 10
V2W2424-IC2424	2W54660.D	07/27/21	14:47	03:41	Initial cal 20
V2W2424-IC2424	2W54661.D	07/27/21	15:21	04:15	Initial cal 40
V2W2424-ICV2424	2W54663.D	07/27/21	16:24	05:18	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2425-BFB
Lab File ID: 2W54665.D
Instrument ID: GCMS2W
Injection Date: 07/28/21
Injection Time: 07:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	16318	18.4		Pass
75	30.0 - 66.0% of mass 95	48715	55.0		Pass
95	Base peak, 100% relative abundance	88581	100.0		Pass
96	5.0 - 9.0% of mass 95	5775	6.52		Pass
173	Less than 2.0% of mass 174	253	0.29	(0.33) [a]	Pass
174	50.0 - 120.0% of mass 95	77475	87.5		Pass
175	4.0 - 9.01% of mass 174	4998	5.64	(6.45) [a]	Pass
176	93.0 - 101.0% of mass 174	75437	85.2	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4480	5.06	(5.94) [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
V2W2425-CC2424	2W54667.D	07/28/21	08:47	01:45	Continuing cal 10
V2W2425-BS	2W54668.D	07/28/21	09:28	02:26	Blank Spike
V2W2425-BSD	2W54669.D	07/28/21	10:00	02:58	Blank Spike Duplicate
V2W2425-MB	2W54671.D	07/28/21	11:19	04:17	Method Blank
JD28968-1	2W54675.D	07/28/21	13:47	06:45	(used for QC only; not part of job JD28639)
JD28968-1DUP	2W54676.D	07/28/21	14:27	07:25	Duplicate
ZZZZZZ	2W54677.D	07/28/21	14:59	07:57	(unrelated sample)
ZZZZZZ	2W54678.D	07/28/21	15:30	08:28	(unrelated sample)
ZZZZZZ	2W54679.D	07/28/21	16:01	08:59	(unrelated sample)
ZZZZZZ	2W54680.D	07/28/21	16:32	09:30	(unrelated sample)
JD28639-1	2W54681.D	07/28/21	17:04	10:02	STACK071621
ZZZZZZ	2W54682.D	07/28/21	17:40	10:38	(unrelated sample)
V2W2425-SCC	2W54685.D	07/28/21	19:19	12:17	Summa Cleaning Certification

Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	V2W2397-CC2318	**Injection Date:**	06/17/21
Lab File ID:	2W54059.D	**Injection Time:**	07:41
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	39177	3.64	201654	4.98	176824	10.69
Upper Limit [a]	54848	3.97	282316	5.31	247554	11.02
Lower Limit [b]	23506	3.31	120992	4.65	106094	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2397-BS	39330	3.64	201547	4.98	178618	10.69
V2W2397-BSD	39831	3.64	204836	4.98	182161	10.70
V2W2397-MB	40640	3.64	205245	4.98	181772	10.70
ZZZZZZ	38994	3.64	200573	4.98	172619	10.70
ZZZZZZ	37359	3.64	192818	4.99	168666	10.70
JD26591-1	38589	3.67	194416	5.01	168538	10.71
JD26591-1DUP	38000	3.66	192748	5.00	169758	10.71
ZZZZZZ	37882	3.66	192133	5.00	174649	10.71
ZZZZZZ	39321	3.66	201899	5.00	173782	10.71
ZZZZZZ	38163	3.64	198246	4.98	173142	10.70
V2W2397-SCC	41603	3.64	211321	4.98	182981	10.70
V2W2397-SCC	41571	3.64	207571	4.98	181248	10.70

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.

Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	V2W2425-CC2424	**Injection Date:**	07/28/21
Lab File ID:	2W54667.D	**Injection Time:**	08:47
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	91534	3.64	476542	4.98	435113	10.70
Upper Limit [a]	128148	3.97	667159	5.31	609158	11.03
Lower Limit [b]	54920	3.31	285925	4.65	261068	10.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2425-BS	90697	3.64	463591	4.98	434979	10.70
V2W2425-BSD	88982	3.64	457530	4.98	420932	10.70
V2W2425-MB	87133	3.64	453541	4.98	411286	10.70
JD28968-1	89493	3.65	452652	4.99	393992	10.71
JD28968-1DUP	87986	3.65	443589	4.99	388081	10.70
ZZZZZZ	80096	3.67	434019	5.00	386370	10.71
ZZZZZZ	86502	3.66	433683	5.00	384666	10.70
ZZZZZZ	82046	3.65	424062	4.99	369661	10.70
ZZZZZZ	81904	3.65	412166	4.99	360845	10.71
JD28639-1	84163	3.65	423976	4.99	376601	10.70
ZZZZZZ	84314	3.64	418851	4.99	365447	10.70
V2W2425-SCC	80748	3.64	406723	4.98	359157	10.70

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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.07	3.62	0.572	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.44	10.69	1.351	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.09	3.62	0.577	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.69	1.581	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.85	3.62	0.511	ok	0.513	0.453-0.573
Chloroethane	2.23	3.62	0.616	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.62	0.539	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.58	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.85	4.97	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.68	4.97	1.746	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.84	4.97	1.577	ok	1.576	1.516-1.636
1,4-Dioxane	5.57	4.97	1.121	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.26	3.62	0.624	ok	0.625	0.565-0.685
Dibromochloromethane	8.33	4.97	1.676	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.53	4.97	1.314	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.69	1.579	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.69	1.614	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.97	1.457	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.68	3.62	1.017	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethanol	2.27	3.62	0.627	ok	0.627	0.567-0.687
Ethylbenzene	11.66	10.69	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.69	3.62	1.019	ok	1.019	0.959-1.079
Ethyl Acrylate	5.44	4.97	1.095	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.84	3.62	0.785	ok	0.783	0.723-0.843
Freon 114	1.98	3.62	0.547	ok	0.548	0.488-0.608
Freon 123	2.42	3.62	0.669	ok	0.668	0.608-0.728
Freon 123A	2.43	3.62	0.671	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.84	3.62	0.508	ok	0.508	0.448-0.568
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
2-Hexanone	8.34	4.97	1.678	ok	1.680	1.620-1.740
Iodomethane	2.68	3.62	0.740	ok	0.739	0.679-0.799
Isopropylbenzene	14.56	10.69	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.62	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.33	3.62	0.920	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.63	4.97	1.334	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.62	0.881	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.735	1.675-1.795
Nonane	14.15	10.69	1.324	ok	1.324	1.264-1.384
Octane	9.69	4.97	1.950	ok	1.949	1.889-2.009
Pentane	2.62	3.62	0.724	ok	0.723	0.663-0.783
n-Propylbenzene	15.91	10.69	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.83	10.69	1.200	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.31	3.62	1.191	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.05	10.69	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.97	1.489	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.82	10.69	1.573	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.67	4.97	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.92	3.62	1.083	ok	1.085	1.025-1.145
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.57	4.97	1.121	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.50	3.62	0.691	ok	0.692	0.632-0.752
Vinyl chloride	2.03	3.62	0.561	ok	0.560	0.500-0.620
Vinyl Acetate	3.23	3.62	0.892	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.69	1.132	ok	1.131	1.071-1.191
o-Xylene	13.04	10.69	1.220	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	46763	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	237709	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	212044	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.07	3.62	0.572	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.10	3.62	0.580	ok	0.579	0.519-0.639
Benzyl Chloride	16.89	10.69	1.580	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.76	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.86	3.62	0.514	ok	0.513	0.453-0.573
Chloroethane	2.24	3.62	0.619	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.94	3.62	0.536	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.57	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.74	3.62	1.309	ok	1.311	1.251-1.371
Cyclohexane	4.84	4.97	0.974	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.67	4.97	1.744	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.32	4.97	1.070	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.83	4.97	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.59	4.97	1.125	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.26	3.62	0.624	ok	0.625	0.565-0.685
Dibromochloromethane	8.32	4.97	1.674	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.07	3.62	0.848	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.53	4.97	1.314	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.23	4.97	1.455	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.68	3.62	1.017	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethanol	2.27	3.62	0.627	ok	0.627	0.567-0.687
Ethylbenzene	11.66	10.69	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.69	3.62	1.019	ok	1.019	0.959-1.079
Ethyl Acrylate	5.44	4.97	1.095	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.518	1.458-1.578
Freon 113	2.83	3.62	0.782	ok	0.783	0.723-0.843
Freon 114	1.98	3.62	0.547	ok	0.548	0.488-0.608
Freon 123	2.42	3.62	0.669	ok	0.668	0.608-0.728
Freon 123A	2.43	3.62	0.671	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.84	3.62	0.508	ok	0.508	0.448-0.568
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
2-Hexanone	8.34	4.97	1.678	ok	1.680	1.620-1.740
Iodomethane	2.68	3.62	0.740	ok	0.739	0.679-0.799
Isopropylbenzene	14.55	10.69	1.361	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.62	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.34	3.62	0.923	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.64	4.97	1.336	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.62	0.881	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.735	1.675-1.795
Nonane	14.15	10.69	1.324	ok	1.324	1.264-1.384
Octane	9.68	4.97	1.948	ok	1.949	1.889-2.009
Pentane	2.61	3.62	0.721	ok	0.723	0.663-0.783
n-Propylbenzene	15.91	10.69	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.30	3.62	1.188	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.39	4.97	1.487	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.66	4.97	1.139	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.53	4.97	1.918	ok	1.921	1.861-1.981
Tetrahydrofuran	3.93	3.62	1.086	ok	1.085	1.025-1.145
Toluene	7.77	4.97	1.563	ok	1.565	1.505-1.625
Trichloroethylene	5.56	4.97	1.119	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.50	3.62	0.691	ok	0.692	0.632-0.752
Vinyl chloride	2.02	3.62	0.558	ok	0.560	0.500-0.620
Vinyl Acetate	3.23	3.62	0.892	ok	0.893	0.833-0.953
m,p-Xylene	12.06	10.69	1.128	ok	1.131	1.071-1.191
o-Xylene	13.03	10.69	1.219	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	47591	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	242278	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	220599	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.36	3.62	0.652	ok	0.649	0.589-0.709
1,3-Butadiene	2.08	3.62	0.575	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.44	10.69	1.351	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.10	3.62	0.580	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.69	1.581	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.78	10.69	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.86	3.62	0.514	ok	0.513	0.453-0.573
Chloroethane	2.24	3.62	0.619	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.62	0.539	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.58	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.84	4.97	0.974	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.68	4.97	1.746	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.83	4.97	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.61	4.97	1.129	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.27	3.62	0.627	ok	0.625	0.565-0.685
Dibromochloromethane	8.33	4.97	1.676	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.53	4.97	1.314	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.97	1.457	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.69	3.62	1.019	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.11	4.97	1.028	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethylbenzene	11.66	10.69	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.62	1.022	ok	1.019	0.959-1.079
Ethyl Acrylate	5.45	4.97	1.097	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.84	3.62	0.785	ok	0.783	0.723-0.843
Freon 114	1.99	3.62	0.550	ok	0.548	0.488-0.608
Freon 123	2.42	3.62	0.669	ok	0.668	0.608-0.728
Freon 123A	2.44	3.62	0.674	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.84	3.62	0.508	ok	0.508	0.448-0.568
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.77	10.69	1.662	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
2-Hexanone	8.36	4.97	1.682	ok	1.680	1.620-1.740
Iodomethane	2.67	3.62	0.738	ok	0.739	0.679-0.799
Isopropylbenzene	14.57	10.69	1.363	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.62	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.34	3.62	0.923	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.64	4.97	1.336	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.20	3.62	0.884	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.735	1.675-1.795
Nonane	14.15	10.69	1.324	ok	1.324	1.264-1.384
Octane	9.68	4.97	1.948	ok	1.949	1.889-2.009
Pentane	2.62	3.62	0.724	ok	0.723	0.663-0.783
n-Propylbenzene	15.91	10.69	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.30	3.62	1.188	ok	1.189	1.129-1.249

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.39	4.97	1.487	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.82	10.69	1.573	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.66	4.97	1.139	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.94	3.62	1.088	ok	1.085	1.025-1.145
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.57	4.97	1.121	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.51	3.62	0.693	ok	0.692	0.632-0.752
Vinyl chloride	2.03	3.62	0.561	ok	0.560	0.500-0.620
Vinyl Acetate	3.24	3.62	0.895	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.131	1.071-1.191
o-Xylene	13.05	10.69	1.221	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	46716	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	241987	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	215813	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.07	3.62	0.572	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.09	3.62	0.577	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.69	1.581	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.78	10.69	1.008	ok	1.008	0.948-1.068
Chloroethane	2.24	3.62	0.619	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.62	0.539	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.57	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.85	4.97	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.68	4.97	1.746	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.83	4.97	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.62	4.97	1.131	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.26	3.62	0.624	ok	0.625	0.565-0.685
Dibromochloromethane	8.31	4.97	1.672	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.55	3.62	0.981	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.97	1.316	ok	1.315	1.255-1.375

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.97	1.457	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.69	3.62	1.019	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.11	4.97	1.028	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethylbenzene	11.66	10.69	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.69	3.62	1.019	ok	1.019	0.959-1.079
Ethyl Acrylate	5.45	4.97	1.097	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.83	3.62	0.782	ok	0.783	0.723-0.843
Freon 114	1.98	3.62	0.547	ok	0.548	0.488-0.608
Freon 123	2.41	3.62	0.666	ok	0.668	0.608-0.728
Freon 123A	2.43	3.62	0.671	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.83	3.62	0.506	ok	0.508	0.448-0.568
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.67	3.62	1.014	ok	1.016	0.956-1.076
2-Hexanone	8.35	4.97	1.680	ok	1.680	1.620-1.740
Iodomethane	2.67	3.62	0.738	ok	0.739	0.679-0.799
Isopropylbenzene	14.56	10.69	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.73	3.62	0.754	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.34	3.62	0.923	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.64	4.97	1.336	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.20	3.62	0.884	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.735	1.675-1.795
Nonane	14.14	10.69	1.323	ok	1.324	1.264-1.384
Octane	9.68	4.97	1.948	ok	1.949	1.889-2.009
Pentane	2.62	3.62	0.724	ok	0.723	0.663-0.783
n-Propylbenzene	15.91	10.69	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.30	3.62	1.188	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.05	10.69	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.39	4.97	1.487	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.34	10.69	1.248	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.67	4.97	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.95	3.62	1.091	ok	1.085	1.025-1.145
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.57	4.97	1.121	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.50	3.62	0.691	ok	0.692	0.632-0.752
Vinyl chloride	2.02	3.62	0.558	ok	0.560	0.500-0.620
Vinyl Acetate	3.23	3.62	0.892	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.131	1.071-1.191
o-Xylene	13.04	10.69	1.220	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	47748	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	244187	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	216911	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.08	3.62	0.575	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.44	10.69	1.351	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.10	3.62	0.580	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.69	1.581	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.69	1.599	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.83	3.62	0.782	ok	0.784	0.724-0.844
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chloroethane	2.24	3.62	0.619	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.88	3.62	0.519	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.58	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.85	4.97	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.67	4.97	1.744	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.83	4.97	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.63	4.97	1.133	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.27	3.62	0.627	ok	0.625	0.565-0.685
Dibromochloromethane	8.32	4.97	1.674	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.97	1.316	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.69	1.614	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	3.69	3.62	1.019	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.23	3.62	1.169	ok	1.166	1.106-1.226
Ethylbenzene	11.65	10.69	1.090	ok	1.091	1.031-1.151
Ethyl Acrylate	5.45	4.97	1.097	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.84	3.62	0.785	ok	0.783	0.723-0.843
Freon 114	1.98	3.62	0.547	ok	0.548	0.488-0.608
Freon 123	2.42	3.62	0.669	ok	0.668	0.608-0.728
Freon 123A	2.43	3.62	0.671	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
Iodomethane	2.68	3.62	0.740	ok	0.739	0.679-0.799
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methyl ethyl ketone	3.34	3.62	0.923	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.66	4.97	1.340	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.62	0.881	ok	0.882	0.822-0.942
Naphthalene	18.55	10.69	1.735	ok	1.735	1.675-1.795
Nonane	14.15	10.69	1.324	ok	1.324	1.264-1.384
Octane	9.68	4.97	1.948	ok	1.949	1.889-2.009
Pentane	2.62	3.62	0.724	ok	0.723	0.663-0.783
n-Propylbenzene	15.91	10.69	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
1,1,1-Trichloroethane	4.31	3.62	1.191	ok	1.189	1.129-1.249
1,1,2-Trichloroethane	7.40	4.97	1.489	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.66	4.97	1.139	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.54	4.97	1.920	ok	1.921	1.861-1.981
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.56	4.97	1.119	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.51	3.62	0.693	ok	0.692	0.632-0.752

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Vinyl chloride	2.03	3.62	0.561	ok	0.560	0.500-0.620
m,p-Xylene	12.06	10.69	1.128	ok	1.131	1.071-1.191
o-Xylene	13.03	10.69	1.219	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	48476	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	244988	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	218424	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.07	3.62	0.572	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.09	3.62	0.577	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.69	1.581	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.85	3.62	0.511	ok	0.513	0.453-0.573
Chloroethane	2.23	3.62	0.616	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.62	0.539	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.58	10.69	1.457	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.85	4.97	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.68	4.97	1.746	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.13	3.62	1.141	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.32	4.97	1.070	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.83	4.97	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.57	4.97	1.121	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.26	3.62	0.624	ok	0.625	0.565-0.685
Dibromochloromethane	8.33	4.97	1.676	ok	1.675	1.615-1.735
Dibromomethane	5.28	4.97	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.54	4.97	1.316	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.69	1.614	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.23	4.97	1.455	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.68	3.62	1.017	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethanol	2.27	3.62	0.627	ok	0.627	0.567-0.687
Ethylbenzene	11.66	10.69	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.68	3.62	1.017	ok	1.019	0.959-1.079
Ethyl Acrylate	5.44	4.97	1.095	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.83	3.62	0.782	ok	0.783	0.723-0.843
Freon 114	1.98	3.62	0.547	ok	0.548	0.488-0.608
Freon 123	2.41	3.62	0.666	ok	0.668	0.608-0.728
Freon 123A	2.43	3.62	0.671	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.84	3.62	0.508	ok	0.508	0.448-0.568
Heptane	5.99	4.97	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
2-Hexanone	8.34	4.97	1.678	ok	1.680	1.620-1.740
Iodomethane	2.67	3.62	0.738	ok	0.739	0.679-0.799
Isopropylbenzene	14.56	10.69	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.62	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.33	3.62	0.920	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.63	4.97	1.334	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.62	0.881	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.735	1.675-1.795
Nonane	14.15	10.69	1.324	ok	1.324	1.264-1.384
Octane	9.69	4.97	1.950	ok	1.949	1.889-2.009
Pentane	2.61	3.62	0.721	ok	0.723	0.663-0.783
n-Propylbenzene	15.92	10.69	1.489	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.30	3.62	1.188	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.97	1.489	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.82	10.69	1.573	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.66	4.97	1.139	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.92	3.62	1.083	ok	1.085	1.025-1.145
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.57	4.97	1.121	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.50	3.62	0.691	ok	0.692	0.632-0.752
Vinyl chloride	2.02	3.62	0.558	ok	0.560	0.500-0.620
Vinyl Acetate	3.23	3.62	0.892	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.69	1.132	ok	1.131	1.071-1.191
o-Xylene	13.04	10.69	1.220	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	47784	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	242616	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	215879	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.62	0.674	ok	0.674	0.614-0.734
Acrolein	2.40	3.62	0.663	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.62	0.715	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.62	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	2.08	3.62	0.575	ok	0.573	0.513-0.633
Benzene	4.63	3.62	1.279	ok	1.279	1.219-1.339
Bromobenzene	14.44	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.51	4.97	1.109	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.17	3.62	0.599	ok	0.600	0.540-0.660
Bromoethene	2.36	3.62	0.652	ok	0.652	0.592-0.712
n-Butane	2.10	3.62	0.580	ok	0.579	0.519-0.639
Benzyl Chloride	16.90	10.70	1.579	ok	1.581	1.521-1.641
n-Butylbenzene	17.60	10.70	1.645	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.70	1.571	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.62	0.785	ok	0.784	0.724-0.844
Chlorobenzene	10.78	10.70	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.86	3.62	0.514	ok	0.513	0.453-0.573
Chloroethane	2.24	3.62	0.619	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.62	0.517	ok	0.517	0.457-0.577
Chloroform	3.70	3.62	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.62	0.539	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.62	0.768	ok	0.768	0.708-0.828
2-Chlorotoluene	15.58	10.70	1.456	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.62	1.312	ok	1.311	1.251-1.371
Cyclohexane	4.85	4.97	0.976	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.62	0.873	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.62	0.746	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.68	4.97	1.746	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.14	3.62	1.144	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.84	4.97	1.577	ok	1.576	1.516-1.636
1,4-Dioxane	5.57	4.97	1.121	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.62	0.522	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.27	3.62	0.627	ok	0.625	0.565-0.685
Dibromochloromethane	8.33	4.97	1.676	ok	1.675	1.615-1.735
Dibromomethane	5.29	4.97	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.62	0.851	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.54	3.62	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.54	4.97	1.316	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.97	1.457	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.69	3.62	1.019	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.22	3.62	1.166	ok	1.166	1.106-1.226
Ethanol	2.27	3.62	0.627	ok	0.627	0.567-0.687
Ethylbenzene	11.67	10.70	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.69	3.62	1.019	ok	1.019	0.959-1.079
Ethyl Acrylate	5.44	4.97	1.095	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.70	1.517	ok	1.518	1.458-1.578
Freon 113	2.84	3.62	0.785	ok	0.783	0.723-0.843
Freon 114	1.99	3.62	0.550	ok	0.548	0.488-0.608
Freon 123	2.42	3.62	0.669	ok	0.668	0.608-0.728
Freon 123A	2.44	3.62	0.674	ok	0.672	0.612-0.732
Freon 142B	1.94	3.62	0.536	ok	0.536	0.476-0.596
Freon 152A	1.84	3.62	0.508	ok	0.508	0.448-0.568
Heptane	6.00	4.97	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.81	10.70	1.758	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.70	1.662	ok	1.663	1.603-1.723
Hexane	3.68	3.62	1.017	ok	1.016	0.956-1.076
2-Hexanone	8.35	4.97	1.680	ok	1.680	1.620-1.740
Iodomethane	2.68	3.62	0.740	ok	0.739	0.679-0.799
Isopropylbenzene	14.57	10.70	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.62	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.70	1.613	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.62	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.33	3.62	0.920	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.63	4.97	1.334	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.62	0.881	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.56	10.70	1.735	ok	1.735	1.675-1.795
Nonane	14.16	10.70	1.323	ok	1.324	1.264-1.384
Octane	9.69	4.97	1.950	ok	1.949	1.889-2.009
Pentane	2.62	3.62	0.724	ok	0.723	0.663-0.783
n-Propylbenzene	15.92	10.70	1.488	ok	1.488	1.428-1.548
Propylene	1.87	3.62	0.517	ok	0.516	0.456-0.576
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.31	3.62	1.191	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.78	10.70	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.05	10.70	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.97	1.489	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.51	10.70	1.730	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.67	4.97	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.62	0.749	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.92	3.62	1.083	ok	1.085	1.025-1.145
Toluene	7.78	4.97	1.565	ok	1.565	1.505-1.625
Trichloroethylene	5.57	4.97	1.121	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.51	3.62	0.693	ok	0.692	0.632-0.752
Vinyl chloride	2.03	3.62	0.561	ok	0.560	0.500-0.620
Vinyl Acetate	3.23	3.62	0.892	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.70	1.131	ok	1.131	1.071-1.191
o-Xylene	13.05	10.70	1.220	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.62	ok	3.62	3.29-3.95	49186	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	252266	ok	244786	146872-342700
Chlorobenzene-D5	10.70	ok	10.69	10.36-11.02	222331	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.44	3.63	0.672	ok	0.674	0.614-0.734
Acrolein	2.40	3.63	0.661	ok	0.663	0.603-0.723
Acrylonitrile	2.59	3.63	0.713	ok	0.715	0.655-0.775
Acetonitrile	2.35	3.63	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	2.08	3.63	0.573	ok	0.573	0.513-0.633
Benzene	4.63	3.63	1.275	ok	1.279	1.219-1.339
Bromobenzene	14.45	10.69	1.352	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.97	1.111	ok	1.109	1.049-1.169
Bromoform	11.92	10.69	1.115	ok	1.114	1.054-1.174
Bromomethane	2.18	3.63	0.601	ok	0.600	0.540-0.660
Bromoethene	2.37	3.63	0.653	ok	0.652	0.592-0.712
n-Butane	2.10	3.63	0.579	ok	0.579	0.519-0.639
Benzyl Chloride	16.91	10.69	1.582	ok	1.581	1.521-1.641
n-Butylbenzene	17.61	10.69	1.647	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.69	1.599	ok	1.598	1.538-1.658
tert-Butylbenzene	16.82	10.69	1.573	ok	1.572	1.512-1.632
Carbon disulfide	2.84	3.63	0.782	ok	0.784	0.724-0.844
Chlorobenzene	10.78	10.69	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.86	3.63	0.512	ok	0.513	0.453-0.573
Chloroethane	2.24	3.63	0.617	ok	0.618	0.558-0.678
Chlorotrifluoroethene	1.87	3.63	0.515	ok	0.517	0.457-0.577
Chloroform	3.71	3.63	1.022	ok	1.022	0.962-1.082
Chloromethane	1.95	3.63	0.537	ok	0.538	0.478-0.598
3-Chloropropene	2.78	3.63	0.766	ok	0.768	0.708-0.828
2-Chlorotoluene	15.59	10.69	1.458	ok	1.457	1.397-1.517
Carbon tetrachloride	4.75	3.63	1.309	ok	1.311	1.251-1.371
Cyclohexane	4.86	4.97	0.978	ok	0.976	0.916-1.036
1,1-Dichloroethane	3.16	3.63	0.871	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.70	3.63	0.744	ok	0.746	0.686-0.806
1,2-Dibromoethane	8.69	4.97	1.748	ok	1.746	1.686-1.806
1,2-Dichloroethane	4.14	3.63	1.140	ok	1.141	1.081-1.201
1,2-Dichloropropane	5.33	4.97	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.84	4.97	1.577	ok	1.576	1.516-1.636
1,4-Dioxane	5.58	4.97	1.123	ok	1.125	1.065-1.185
Dichlorodifluoromethane	1.89	3.63	0.521	ok	0.522	0.462-0.582
Dichlorofluoromethane	2.27	3.63	0.625	ok	0.625	0.565-0.685
Dibromochloromethane	8.33	4.97	1.676	ok	1.675	1.615-1.735
Dibromomethane	5.29	4.97	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.08	3.63	0.848	ok	0.850	0.790-0.910
cis-1,2-Dichloroethylene	3.55	3.63	0.978	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.54	4.97	1.316	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.69	1.579	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.69	1.614	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.97	1.457	ok	1.456	1.396-1.516
Di-Isopropyl ether	3.69	3.63	1.017	ok	1.018	0.958-1.078
2,3-Dimethylpentane	5.12	4.97	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.23	3.63	1.165	ok	1.166	1.106-1.226
Ethanol	2.27	3.63	0.625	ok	0.627	0.567-0.687
Ethylbenzene	11.67	10.69	1.092	ok	1.091	1.031-1.151
Ethyl Acetate	3.69	3.63	1.017	ok	1.019	0.959-1.079
Ethyl Acrylate	5.45	4.97	1.097	ok	1.096	1.036-1.156
4-Ethyltoluene	16.23	10.69	1.518	ok	1.518	1.458-1.578
Freon 113	2.84	3.63	0.782	ok	0.783	0.723-0.843
Freon 114	1.99	3.63	0.548	ok	0.548	0.488-0.608
Freon 123	2.42	3.63	0.667	ok	0.668	0.608-0.728
Freon 123A	2.44	3.63	0.672	ok	0.672	0.612-0.732
Freon 142B	1.94	3.63	0.534	ok	0.536	0.476-0.596
Freon 152A	1.84	3.63	0.507	ok	0.508	0.448-0.568
Heptane	6.00	4.97	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.68	3.63	1.014	ok	1.016	0.956-1.076
2-Hexanone	8.35	4.97	1.680	ok	1.680	1.620-1.740
Iodomethane	2.68	3.63	0.738	ok	0.739	0.679-0.799
Isopropylbenzene	14.58	10.69	1.364	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.52	3.63	0.694	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.74	3.63	0.755	ok	0.756	0.696-0.816
Methyl ethyl ketone	3.33	3.63	0.917	ok	0.921	0.861-0.981
Methyl Isobutyl Ketone	6.64	4.97	1.336	ok	1.336	1.276-1.396
Methyl Tert Butyl Ether	3.19	3.63	0.879	ok	0.882	0.822-0.942
Methylmethacrylate	5.88	4.97	1.183	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.735	1.675-1.795
Nonane	14.17	10.69	1.326	ok	1.324	1.264-1.384
Octane	9.69	4.97	1.950	ok	1.949	1.889-2.009
Pentane	2.62	3.63	0.722	ok	0.723	0.663-0.783
n-Propylbenzene	15.92	10.69	1.489	ok	1.488	1.428-1.548
Propylene	1.87	3.63	0.515	ok	0.516	0.456-0.576
Styrene	12.83	10.69	1.200	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	DFT	10	GCMS2W	TO-15	
V2W2318-IC2318	2W52198.D	03/05/21 13:53	DFT	0.5	GCMS2W	TO-15	
V2W2318-IC2318	2W52199.D	03/05/21 14:24	DFT	0.2	GCMS2W	TO-15	
V2W2318-IC2318	2W52200.D	03/05/21 14:56	DFT	0.1	GCMS2W	TO-15	
V2W2318-IC2318	2W52201.D	03/05/21 15:27	DFT	0.04	GCMS2W	TO-15	
V2W2318-IC2318	2W52202.D	03/05/21 15:58	DFT	5	GCMS2W	TO-15	
V2W2318-IC2318	2W52203.D	03/05/21 16:31	DFT	20	GCMS2W	TO-15	
V2W2318-IC2318	2W52204.D	03/05/21 17:05	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.31	3.63	1.187	ok	1.189	1.129-1.249
1,1,1,2-Tetrachloroethane	10.79	10.69	1.009	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.06	10.69	1.222	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.97	1.491	ok	1.488	1.428-1.548
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.731	1.671-1.791
1,2,3-Trichloropropane	13.35	10.69	1.249	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.69	1.609	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.83	10.69	1.574	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.38	10.69	1.532	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.67	4.97	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.71	3.63	0.747	ok	0.748	0.688-0.808
Tetrachloroethylene	9.55	4.97	1.922	ok	1.921	1.861-1.981
Tetrahydrofuran	3.92	3.63	1.080	ok	1.085	1.025-1.145
Toluene	7.79	4.97	1.567	ok	1.565	1.505-1.625
Trichloroethylene	5.58	4.97	1.123	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.51	3.63	0.691	ok	0.692	0.632-0.752
Vinyl chloride	2.03	3.63	0.559	ok	0.560	0.500-0.620
Vinyl Acetate	3.24	3.63	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.11	10.69	1.133	ok	1.131	1.071-1.191
o-Xylene	13.05	10.69	1.221	ok	1.220	1.160-1.280

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.63	ok	3.62	3.29-3.95	49505	ok	47971	28783-67159
1,4-Difluorobenzene	4.97	ok	4.97	4.64-5.30	252255	ok	244786	146872-342700
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	225970	ok	218496	131098-305894

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.47	3.64	0.679	ok	0.677	0.617-0.737
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.38	3.64	0.654	ok	0.653	0.593-0.713
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.64	3.64	1.275	ok	1.276	1.216-1.336
Bromobenzene	14.44	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.98	1.108	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
Benzyl Chloride	16.90	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.82	10.70	1.572	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.87	3.64	0.514	ok	0.515	0.455-0.575
Chloroethane	2.26	3.64	0.621	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.97	3.64	0.541	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.58	10.70	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.64	1.308	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.69	4.98	1.745	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.61	4.98	1.127	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.91	3.64	0.525	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.34	4.98	1.675	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.98	1.064	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.55	4.98	1.315	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.98	1.456	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethanol	2.30	3.64	0.632	ok	0.631	0.571-0.691
Ethylbenzene	11.67	10.70	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.71	3.64	1.019	ok	1.018	0.958-1.078
Ethyl Acrylate	5.47	4.98	1.098	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.00	3.64	0.549	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.01	4.98	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.70	3.64	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.36	4.98	1.679	ok	1.679	1.619-1.739
Iodomethane	2.70	3.64	0.742	ok	0.740	0.680-0.800
Isopropylbenzene	14.57	10.70	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.55	3.64	0.701	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.35	3.64	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.22	3.64	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.15	10.70	1.322	ok	1.323	1.263-1.383
Octane	9.69	4.98	1.946	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.91	10.70	1.487	ok	1.488	1.428-1.548
Propylene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.05	10.70	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.33	10.70	1.246	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.56	4.98	1.920	ok	1.918	1.858-1.978
Tetrahydrofuran	3.96	3.64	1.088	ok	1.085	1.025-1.145
Toluene	7.79	4.98	1.564	ok	1.564	1.504-1.624
Trichloroethylene	5.58	4.98	1.120	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.53	3.64	0.695	ok	0.694	0.634-0.754
Vinyl chloride	2.04	3.64	0.560	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.06	10.70	1.127	ok	1.130	1.070-1.190
o-Xylene	13.05	10.70	1.220	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	89424	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	437760	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	380955	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.46	3.64	0.676	ok	0.677	0.617-0.737
Acrolein	2.43	3.64	0.668	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.38	3.64	0.654	ok	0.653	0.593-0.713
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.65	3.64	1.277	ok	1.276	1.216-1.336
Bromobenzene	14.44	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.98	1.108	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
Benzyl Chloride	16.90	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.82	10.70	1.572	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.87	3.64	0.514	ok	0.515	0.455-0.575
Chloroethane	2.26	3.64	0.621	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.96	3.64	0.538	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.58	10.70	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.64	1.308	ok	1.309	1.249-1.369
Cyclohexane	4.86	4.98	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.17	3.64	0.871	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.73	3.64	0.750	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.69	4.98	1.745	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.63	4.98	1.131	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.91	3.64	0.525	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.33	4.98	1.673	ok	1.673	1.613-1.733
Dibromomethane	5.31	4.98	1.066	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.55	4.98	1.315	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.98	1.456	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.14	4.98	1.032	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.23	3.64	1.162	ok	1.164	1.104-1.224
Ethanol	2.30	3.64	0.632	ok	0.631	0.571-0.691
Ethylbenzene	11.67	10.70	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.64	1.016	ok	1.018	0.958-1.078
Ethyl Acrylate	5.47	4.98	1.098	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.85	3.64	0.783	ok	0.785	0.725-0.845
Freon 114	2.01	3.64	0.552	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.01	4.98	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.69	3.64	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.38	4.98	1.683	ok	1.679	1.619-1.739
Iodomethane	2.69	3.64	0.739	ok	0.740	0.680-0.800
Isopropylbenzene	14.58	10.70	1.363	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.54	3.64	0.698	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.37	3.64	0.926	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.66	4.98	1.337	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.22	3.64	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.16	10.70	1.323	ok	1.323	1.263-1.383
Octane	9.69	4.98	1.946	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.91	10.70	1.487	ok	1.488	1.428-1.548
Propylene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.80	10.70	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.06	10.70	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.98	1.488	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.35	10.70	1.248	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.55	4.98	1.918	ok	1.918	1.858-1.978
Tetrahydrofuran	3.96	3.64	1.088	ok	1.085	1.025-1.145
Toluene	7.80	4.98	1.566	ok	1.564	1.504-1.624
Trichloroethylene	5.58	4.98	1.120	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.52	3.64	0.692	ok	0.694	0.634-0.754
Vinyl chloride	2.05	3.64	0.563	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.70	1.131	ok	1.130	1.070-1.190
o-Xylene	13.04	10.70	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	86192	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	424800	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	372550	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.60	3.64	0.714	ok	0.716	0.656-0.776
Acetonitrile	2.38	3.64	0.654	ok	0.653	0.593-0.713
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.64	3.64	1.275	ok	1.276	1.216-1.336
Bromobenzene	14.45	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.98	1.108	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
Benzyl Chloride	16.89	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.81	10.70	1.571	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.88	3.64	0.516	ok	0.515	0.455-0.575
Chloroethane	2.25	3.64	0.618	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.97	3.64	0.541	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.58	10.70	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.64	1.310	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.68	4.98	1.743	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.63	4.98	1.131	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.91	3.64	0.525	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.33	4.98	1.673	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.98	1.064	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.57	3.64	0.981	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	6.55	4.98	1.315	ok	1.315	1.255-1.375

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.98	1.456	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethylbenzene	11.67	10.70	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.72	3.64	1.022	ok	1.018	0.958-1.078
Ethyl Acrylate	5.47	4.98	1.098	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.01	3.64	0.552	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.01	4.98	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.69	3.64	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.38	4.98	1.683	ok	1.679	1.619-1.739
Iodomethane	2.70	3.64	0.742	ok	0.740	0.680-0.800
Isopropylbenzene	14.57	10.70	1.362	ok	1.362	1.302-1.422
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methyl ethyl ketone	3.36	3.64	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.66	4.98	1.337	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.22	3.64	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.14	10.70	1.321	ok	1.323	1.263-1.383
Octane	9.69	4.98	1.946	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.92	10.70	1.488	ok	1.488	1.428-1.548
Propylene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Styrene	12.84	10.70	1.200	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.06	10.70	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.98	1.488	ok	1.487	1.427-1.547

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.56	4.98	1.920	ok	1.918	1.858-1.978
Tetrahydrofuran	3.96	3.64	1.088	ok	1.085	1.025-1.145
Toluene	7.80	4.98	1.566	ok	1.564	1.504-1.624
Trichloroethylene	5.58	4.98	1.120	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.53	3.64	0.695	ok	0.694	0.634-0.754
Vinyl chloride	2.05	3.64	0.563	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.70	1.131	ok	1.130	1.070-1.190
o-Xylene	13.04	10.70	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	83390	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	415863	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	357247	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	2.60	3.64	0.714	ok	0.716	0.656-0.776
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.64	3.64	1.275	ok	1.276	1.216-1.336
Bromobenzene	14.45	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.109	1.049-1.169
Bromoform	11.90	10.70	1.112	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
Benzyl Chloride	16.90	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.10	10.70	1.598	ok	1.597	1.537-1.657
tert-Butylbenzene	16.80	10.70	1.570	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.88	3.64	0.516	ok	0.515	0.455-0.575
Chloroethane	2.26	3.64	0.621	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.59	10.70	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.64	1.308	ok	1.309	1.249-1.369
Cyclohexane	4.86	4.98	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.73	3.64	0.750	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.70	4.98	1.747	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.16	3.64	1.143	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.70	4.98	1.145	ok	1.127	1.067-1.187
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.33	4.98	1.673	ok	1.673	1.613-1.733
Dibromomethane	5.31	4.98	1.066	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.09	3.64	0.849	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.57	3.64	0.981	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	6.56	4.98	1.317	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.87	10.70	1.577	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.26	4.98	1.458	ok	1.455	1.395-1.515

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Di-Isopropyl ether	3.71	3.64	1.019	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethylbenzene	11.69	10.70	1.093	ok	1.091	1.031-1.151
Ethyl Acrylate	5.47	4.98	1.098	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.01	3.64	0.552	ok	0.551	0.491-0.611
Freon 123	2.43	3.64	0.668	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.00	4.98	1.205	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.70	3.64	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.38	4.98	1.683	ok	1.679	1.619-1.739
Iodomethane	2.70	3.64	0.742	ok	0.740	0.680-0.800
Isopropylbenzene	14.57	10.70	1.362	ok	1.362	1.302-1.422
p-Isopropyltoluene	17.26	10.70	1.613	ok	1.614	1.554-1.674
Methyl ethyl ketone	3.38	3.64	0.929	ok	0.922	0.862-0.982
Methyl Tert Butyl Ether	3.21	3.64	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.98	1.183	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.15	10.70	1.322	ok	1.323	1.263-1.383
Octane	9.71	4.98	1.950	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.91	10.70	1.487	ok	1.488	1.428-1.548
Propylene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.31	3.64	1.184	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.05	10.70	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.39	4.98	1.484	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.140	1.080-1.200

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tertiary Butyl Alcohol	2.74	3.64	0.753	ok	0.750	0.690-0.810
Tetrachloroethylene	9.55	4.98	1.918	ok	1.918	1.858-1.978
Toluene	7.78	4.98	1.562	ok	1.564	1.504-1.624
Trichloroethylene	5.58	4.98	1.120	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.53	3.64	0.695	ok	0.694	0.634-0.754
Vinyl chloride	2.06	3.64	0.566	ok	0.563	0.503-0.623
m,p-Xylene	12.07	10.70	1.128	ok	1.130	1.070-1.190
o-Xylene	13.04	10.70	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	83186	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	414874	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	358722	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.46	3.64	0.676	ok	0.677	0.617-0.737
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.37	3.64	0.651	ok	0.653	0.593-0.713
1,3-Butadiene	2.09	3.64	0.574	ok	0.576	0.516-0.636
Benzene	4.65	3.64	1.277	ok	1.276	1.216-1.336
Bromobenzene	14.44	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.19	3.64	0.602	ok	0.604	0.544-0.664
Bromoethene	2.38	3.64	0.654	ok	0.656	0.596-0.716
n-Butane	2.11	3.64	0.580	ok	0.582	0.522-0.642
Benzyl Chloride	16.90	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.81	10.70	1.571	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.87	3.64	0.514	ok	0.515	0.455-0.575
Chloroethane	2.25	3.64	0.618	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.96	3.64	0.538	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.58	10.70	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.64	1.308	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.69	4.99	1.741	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.99	1.573	ok	1.576	1.516-1.636
1,4-Dioxane	5.59	4.99	1.120	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.90	3.64	0.522	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.34	4.99	1.671	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.99	1.062	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethanol	2.29	3.64	0.629	ok	0.631	0.571-0.691
Ethylbenzene	11.67	10.70	1.091	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.64	1.016	ok	1.018	0.958-1.078
Ethyl Acrylate	5.46	4.99	1.094	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.00	3.64	0.549	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.95	3.64	0.536	ok	0.538	0.478-0.598
Freon 152A	1.85	3.64	0.508	ok	0.510	0.450-0.570
Heptane	6.01	4.99	1.204	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.69	3.64	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.36	4.99	1.675	ok	1.679	1.619-1.739
Iodomethane	2.69	3.64	0.739	ok	0.740	0.680-0.800
Isopropylbenzene	14.57	10.70	1.362	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.54	3.64	0.698	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.35	3.64	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.21	3.64	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.99	1.182	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.16	10.70	1.323	ok	1.323	1.263-1.383
Octane	9.70	4.99	1.944	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.91	10.70	1.487	ok	1.488	1.428-1.548
Propylene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	Reporting this level
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.05	10.70	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.55	4.99	1.914	ok	1.918	1.858-1.978
Tetrahydrofuran	3.94	3.64	1.082	ok	1.085	1.025-1.145
Toluene	7.79	4.99	1.561	ok	1.564	1.504-1.624
Trichloroethylene	5.58	4.99	1.118	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.52	3.64	0.692	ok	0.694	0.634-0.754
Vinyl chloride	2.05	3.64	0.563	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.11	10.70	1.132	ok	1.130	1.070-1.190
o-Xylene	13.04	10.70	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	83682	ok	86057	51634-120480
1,4-Difluorobenzene	4.99	ok	4.98	4.65-5.31	415186	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	361915	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.46	3.64	0.676	ok	0.677	0.617-0.737
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.38	3.64	0.654	ok	0.653	0.593-0.713
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.65	3.64	1.277	ok	1.276	1.216-1.336
Bromobenzene	14.45	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
Benzyl Chloride	16.90	10.70	1.579	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.81	10.70	1.571	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.87	3.64	0.514	ok	0.515	0.455-0.575
Chloroethane	2.26	3.64	0.621	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.96	3.64	0.538	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.58	10.70	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.64	1.310	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.69	4.98	1.745	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.59	4.98	1.122	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.91	3.64	0.525	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.34	4.98	1.675	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.98	1.064	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.55	4.98	1.315	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.25	10.70	1.612	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.98	1.456	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethanol	2.30	3.64	0.632	ok	0.631	0.571-0.691
Ethylbenzene	11.68	10.70	1.092	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.64	1.016	ok	1.018	0.958-1.078
Ethyl Acrylate	5.46	4.98	1.096	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.00	3.64	0.549	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.01	4.98	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.70	3.64	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.98	1.677	ok	1.679	1.619-1.739
Iodomethane	2.69	3.64	0.739	ok	0.740	0.680-0.800
Isopropylbenzene	14.58	10.70	1.363	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.54	3.64	0.698	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.35	3.64	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.21	3.64	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.17	10.70	1.324	ok	1.323	1.263-1.383
Octane	9.70	4.98	1.948	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.92	10.70	1.488	ok	1.488	1.428-1.548
Propylene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.05	10.70	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.98	1.488	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.82	10.70	1.572	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.37	10.70	1.530	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.56	4.98	1.920	ok	1.918	1.858-1.978
Tetrahydrofuran	3.94	3.64	1.082	ok	1.085	1.025-1.145
Toluene	7.79	4.98	1.564	ok	1.564	1.504-1.624
Trichloroethylene	5.59	4.98	1.122	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.53	3.64	0.695	ok	0.694	0.634-0.754
Vinyl chloride	2.05	3.64	0.563	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.70	1.131	ok	1.130	1.070-1.190
o-Xylene	13.04	10.70	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	86482	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	428121	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	373337	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.46	3.64	0.676	ok	0.677	0.617-0.737
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.37	3.64	0.651	ok	0.653	0.593-0.713
1,3-Butadiene	2.09	3.64	0.574	ok	0.576	0.516-0.636
Benzene	4.65	3.64	1.277	ok	1.276	1.216-1.336
Bromobenzene	14.45	10.70	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.109	1.049-1.169
Bromoform	11.92	10.70	1.114	ok	1.114	1.054-1.174
Bromomethane	2.19	3.64	0.602	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.11	3.64	0.580	ok	0.582	0.522-0.642
Benzyl Chloride	16.91	10.70	1.580	ok	1.579	1.519-1.639
n-Butylbenzene	17.61	10.70	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.09	10.70	1.597	ok	1.597	1.537-1.657
tert-Butylbenzene	16.82	10.70	1.572	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.70	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.87	3.64	0.514	ok	0.515	0.455-0.575
Chloroethane	2.25	3.64	0.618	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.96	3.64	0.538	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.59	10.70	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.64	1.310	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.69	4.98	1.745	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.576	1.516-1.636
1,4-Dioxane	5.59	4.98	1.122	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.90	3.64	0.522	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.29	3.64	0.629	ok	0.629	0.569-0.689
Dibromochloromethane	8.34	4.98	1.675	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.98	1.064	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	6.55	4.98	1.315	ok	1.315	1.255-1.375
m-Dichlorobenzene	16.88	10.70	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.26	10.70	1.613	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.96	10.70	1.585	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.98	1.456	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethanol	2.29	3.64	0.629	ok	0.631	0.571-0.691
Ethylbenzene	11.68	10.70	1.092	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.64	1.016	ok	1.018	0.958-1.078
Ethyl Acrylate	5.46	4.98	1.096	ok	1.097	1.037-1.157
4-Ethyltoluene	16.23	10.70	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.00	3.64	0.549	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.95	3.64	0.536	ok	0.538	0.478-0.598
Freon 152A	1.85	3.64	0.508	ok	0.510	0.450-0.570
Heptane	6.01	4.98	1.207	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.84	10.70	1.761	ok	1.761	1.701-1.821
Hexachloroethane	17.79	10.70	1.663	ok	1.663	1.603-1.723
Hexane	3.70	3.64	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.36	4.98	1.679	ok	1.679	1.619-1.739
Iodomethane	2.69	3.64	0.739	ok	0.740	0.680-0.800
Isopropylbenzene	14.58	10.70	1.363	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.54	3.64	0.698	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.35	3.64	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.21	3.64	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.98	1.183	ok	1.184	1.124-1.244
Naphthalene	18.58	10.70	1.736	ok	1.737	1.677-1.797
Nonane	14.17	10.70	1.324	ok	1.323	1.263-1.383
Octane	9.70	4.98	1.948	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.92	10.70	1.488	ok	1.488	1.428-1.548
Propylene	1.88	3.64	0.516	ok	0.518	0.458-0.578
Styrene	12.83	10.70	1.199	ok	1.199	1.139-1.259

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	Reporting this level
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	4.32	3.64	1.187	ok	1.187	1.127-1.247
1,1,1,2-Tetrachloroethane	10.79	10.70	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.06	10.70	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.98	1.488	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.53	10.70	1.732	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.34	10.70	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.70	1.607	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.83	10.70	1.573	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.69	4.98	1.143	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.56	4.98	1.920	ok	1.918	1.858-1.978
Tetrahydrofuran	3.94	3.64	1.082	ok	1.085	1.025-1.145
Toluene	7.79	4.98	1.564	ok	1.564	1.504-1.624
Trichloroethylene	5.59	4.98	1.122	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.52	3.64	0.692	ok	0.694	0.634-0.754
Vinyl chloride	2.04	3.64	0.560	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.11	10.70	1.132	ok	1.130	1.070-1.190
o-Xylene	13.05	10.70	1.220	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	85811	ok	86057	51634-120480
1,4-Difluorobenzene	4.98	ok	4.98	4.65-5.31	424308	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	362745	ok	368175	220905-515445

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	2.47	3.64	0.679	ok	0.677	0.617-0.737
Acrolein	2.42	3.64	0.665	ok	0.665	0.605-0.725
Acrylonitrile	2.61	3.64	0.717	ok	0.716	0.656-0.776
Acetonitrile	2.38	3.64	0.654	ok	0.653	0.593-0.713
1,3-Butadiene	2.10	3.64	0.577	ok	0.576	0.516-0.636
Benzene	4.65	3.64	1.277	ok	1.276	1.216-1.336
Bromobenzene	14.46	10.70	1.351	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.99	1.108	ok	1.109	1.049-1.169
Bromoform	11.93	10.70	1.115	ok	1.114	1.054-1.174
Bromomethane	2.20	3.64	0.604	ok	0.604	0.544-0.664
Bromoethene	2.39	3.64	0.657	ok	0.656	0.596-0.716
n-Butane	2.12	3.64	0.582	ok	0.582	0.522-0.642
n-Butylbenzene	17.62	10.70	1.647	ok	1.646	1.586-1.706
sec-Butylbenzene	17.10	10.70	1.598	ok	1.597	1.537-1.657
tert-Butylbenzene	16.82	10.70	1.572	ok	1.571	1.511-1.631
Carbon disulfide	2.86	3.64	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.79	10.70	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.88	3.64	0.516	ok	0.515	0.455-0.575
Chloroethane	2.26	3.64	0.621	ok	0.620	0.560-0.680
Chlorotrifluoroethene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Chloroform	3.72	3.64	1.022	ok	1.022	0.962-1.082
Chloromethane	1.97	3.64	0.541	ok	0.540	0.480-0.600
3-Chloropropene	2.80	3.64	0.769	ok	0.769	0.709-0.829
2-Chlorotoluene	15.59	10.70	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.64	1.310	ok	1.309	1.249-1.369
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.18	3.64	0.874	ok	0.873	0.813-0.933
1,1-Dichloroethylene	2.72	3.64	0.747	ok	0.748	0.688-0.808
1,2-Dibromoethane	8.70	4.99	1.743	ok	1.744	1.684-1.804
1,2-Dichloroethane	4.15	3.64	1.140	ok	1.140	1.080-1.200
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.072	1.012-1.132
1,3-Dichloropropane	7.86	4.99	1.575	ok	1.576	1.516-1.636
1,4-Dioxane	5.59	4.99	1.120	ok	1.127	1.067-1.187
Dichlorodifluoromethane	1.91	3.64	0.525	ok	0.524	0.464-0.584
Dichlorofluoromethane	2.30	3.64	0.632	ok	0.629	0.569-0.689
Dibromochloromethane	8.34	4.99	1.671	ok	1.673	1.613-1.733
Dibromomethane	5.30	4.99	1.062	ok	1.064	1.004-1.124
trans-1,2-Dichloroethylene	3.10	3.64	0.852	ok	0.851	0.791-0.911
cis-1,2-Dichloroethylene	3.56	3.64	0.978	ok	0.979	0.919-1.039
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.315	1.255-1.375

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.89	10.70	1.579	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.26	10.70	1.613	ok	1.612	1.552-1.672
p-Dichlorobenzene	16.97	10.70	1.586	ok	1.585	1.525-1.645
trans-1,3-Dichloropropene	7.25	4.99	1.453	ok	1.455	1.395-1.515
Di-Isopropyl ether	3.70	3.64	1.016	ok	1.017	0.957-1.077
2,3-Dimethylpentane	5.14	4.99	1.030	ok	1.030	0.970-1.090
2,4-Dimethylpentane	4.24	3.64	1.165	ok	1.164	1.104-1.224
Ethanol	2.30	3.64	0.632	ok	0.631	0.571-0.691
Ethylbenzene	11.68	10.70	1.092	ok	1.091	1.031-1.151
Ethyl Acetate	3.70	3.64	1.016	ok	1.018	0.958-1.078
Ethyl Acrylate	5.46	4.99	1.094	ok	1.097	1.037-1.157
4-Ethyltoluene	16.24	10.70	1.518	ok	1.517	1.457-1.577
Freon 113	2.86	3.64	0.786	ok	0.785	0.725-0.845
Freon 114	2.01	3.64	0.552	ok	0.551	0.491-0.611
Freon 123	2.44	3.64	0.670	ok	0.670	0.610-0.730
Freon 123A	2.46	3.64	0.676	ok	0.676	0.616-0.736
Freon 142B	1.96	3.64	0.538	ok	0.538	0.478-0.598
Freon 152A	1.86	3.64	0.511	ok	0.510	0.450-0.570
Heptane	6.01	4.99	1.204	ok	1.206	1.146-1.266
Hexachlorobutadiene	18.85	10.70	1.762	ok	1.761	1.701-1.821
Hexachloroethane	17.80	10.70	1.664	ok	1.663	1.603-1.723
Hexane	3.70	3.64	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.99	1.677	ok	1.679	1.619-1.739
Iodomethane	2.70	3.64	0.742	ok	0.740	0.680-0.800
Isopropylbenzene	14.58	10.70	1.363	ok	1.362	1.302-1.422
Isopropyl Alcohol	2.54	3.64	0.698	ok	0.698	0.638-0.758
p-Isopropyltoluene	17.27	10.70	1.614	ok	1.614	1.554-1.674
Methylene chloride	2.76	3.64	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	3.35	3.64	0.920	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.66	4.99	1.335	ok	1.335	1.275-1.395
Methyl Tert Butyl Ether	3.21	3.64	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.99	1.182	ok	1.184	1.124-1.244
Naphthalene	18.59	10.70	1.737	ok	1.737	1.677-1.797
Nonane	14.18	10.70	1.325	ok	1.323	1.263-1.383
Octane	9.70	4.99	1.944	ok	1.946	1.886-2.006
Pentane	2.64	3.64	0.725	ok	0.725	0.665-0.785
n-Propylbenzene	15.93	10.70	1.489	ok	1.488	1.428-1.548
Propylene	1.89	3.64	0.519	ok	0.518	0.458-0.578
Styrene	12.84	10.70	1.200	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.64	1.190	ok	1.187	1.127-1.247

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2424-IC2424	2W54654.D	07/27/21 11:38	DFT	0.5	GCMS2W	TO-15	
V2W2424-IC2424	2W54655.D	07/27/21 12:10	DFT	0.2	GCMS2W	TO-15	
V2W2424-IC2424	2W54656.D	07/27/21 12:41	DFT	0.1	GCMS2W	TO-15	
V2W2424-IC2424	2W54657.D	07/27/21 13:13	DFT	0.04	GCMS2W	TO-15	
V2W2424-IC2424	2W54658.D	07/27/21 13:44	DFT	5	GCMS2W	TO-15	
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	DFT	10	GCMS2W	TO-15	
V2W2424-IC2424	2W54660.D	07/27/21 14:47	DFT	20	GCMS2W	TO-15	
V2W2424-IC2424	2W54661.D	07/27/21 15:21	DFT	40	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1,2-Tetrachloroethane	10.80	10.70	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	13.07	10.70	1.221	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.42	4.99	1.487	ok	1.487	1.427-1.547
1,2,4-Trichlorobenzene	18.54	10.70	1.733	ok	1.732	1.672-1.792
1,2,3-Trichloropropane	13.35	10.70	1.248	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.21	10.70	1.608	ok	1.607	1.547-1.667
1,2,4-Trimethylbenzene	16.83	10.70	1.573	ok	1.572	1.512-1.632
1,3,5-Trimethylbenzene	16.38	10.70	1.531	ok	1.530	1.470-1.590
2,2,4-Trimethylpentane	5.69	4.99	1.140	ok	1.140	1.080-1.200
Tertiary Butyl Alcohol	2.73	3.64	0.750	ok	0.750	0.690-0.810
Tetrachloroethylene	9.57	4.99	1.918	ok	1.918	1.858-1.978
Tetrahydrofuran	3.94	3.64	1.082	ok	1.085	1.025-1.145
Toluene	7.80	4.99	1.563	ok	1.564	1.504-1.624
Trichloroethylene	5.59	4.99	1.120	ok	1.121	1.061-1.181
Trichlorofluoromethane	2.53	3.64	0.695	ok	0.694	0.634-0.754
Vinyl chloride	2.05	3.64	0.563	ok	0.563	0.503-0.623
Vinyl Acetate	3.25	3.64	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.12	10.70	1.133	ok	1.130	1.070-1.190
o-Xylene	13.06	10.70	1.221	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.64	ok	3.64	3.31-3.97	90289	ok	86057	51634-120480
1,4-Difluorobenzene	4.99	ok	4.98	4.65-5.31	442304	ok	425402	255241-595563
Chlorobenzene-D5	10.70	ok	10.70	10.37-11.03	377930	ok	368175	220905-515445

Surrogate Recovery Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Method: TO-15	**Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD28639-1	2W54681.D	100
JD28968-1DUP	2W54676.D	102
V2W2397-SCC	2W54076.D	98
V2W2425-BS	2W54668.D	104
V2W2425-BSD	2W54669.D	104
V2W2425-MB	2W54671.D	101
V2W2397-BS	2W54060.D	97
V2W2397-BSD	2W54061.D	98
V2W2397-MB	2W54064.D	97

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICC2318
Lab FileID: 2W52194.D

Response Factor Report MS2W

Method : C:\msdchem\1\METHODS\M2W2318.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Fri Mar 05 17:32:29 2021
Response via : Initial Calibration

Calibration Files
0.5 =2w52198.D 0.2 =2w52199.D 40 =2w52204.D 0.04=2w52201.D
5 =2w52202.D 10 =2w52194.D 20 =2w52203.D 0.1 =2w52200.D

Compound	0.5	0.2	40	0.04	5	10	20	0.1	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------	----------	----------	ISTD	----------	----------	----------	----------		
2) FREON 115									0.000	-1.00
3) FREON 152A	0.892	0.846	0.866		0.876	0.875	0.849	0.831	0.862	2.43
4) CHLORODIFLUO	0.287	0.257	0.271		0.277	0.273	0.265		0.272	3.79
5) CHLOROTRIFLU	2.208	2.247	2.238	2.290	2.263	2.222	2.184	2.124	2.222	2.31
6) DICHLORODIFL	3.183	3.427	2.779	3.383	3.209	3.213	3.019	3.284	3.187	6.51
7) PROPYLENE	0.898	0.979	0.865	1.037	0.883	0.883	0.849	1.020	0.927	7.95
8) 1-CHLORO-1,1	2.233	2.168	2.162	2.171	2.159	2.188	2.111	2.159	2.169	1.57
9) FREON 114	3.728	3.697	3.864	3.873	3.820	3.802	3.773	3.810	3.796	1.62
10) CHLOROMETHAN	0.324	0.322	0.362		0.372	0.364	0.353	0.310	0.344	7.13
11) VINYL CHLORI	1.446	1.569	1.479	1.356	1.472	1.491	1.434	1.395	1.455	4.43
12) 1,3-BUTADIEN	1.033	1.094	1.042	0.799	1.028	1.043	1.005	1.020	1.008	8.75
13) N-BUTANE	1.710	1.803	1.668	1.944	1.661	1.688	1.608	1.908	1.749	7.03
14) BROMOMETHANE	1.532	1.502	1.553	1.382	1.558	1.538	1.509	1.627	1.525	4.55
15) CHLOROETHANE	0.852	0.811	0.850	0.614	0.837	0.842	0.814	0.754	0.797	10.11
16) DICHLOROFLUO	2.851	3.013	2.935	2.996	2.947	2.909	2.826	2.919	2.925	2.20
17) ACETONITRILE	1.275	1.246	0.936	1.233	0.938	0.943	0.905	1.426	1.113	18.30
18) ACROLEIN	0.661	0.612	0.631	0.531	0.615	0.633	0.604	0.570	0.607	6.67
19) FREON 123	3.457	3.531	3.527	3.811	3.532	3.486	3.430	3.498	3.534	3.34
20) FREON 123A	1.935	2.026	1.983	1.583	1.975	1.931	1.935	2.073	1.930	7.71
21) TRICHLOROFLU	2.962	3.061	3.032	3.125	3.036	3.003	2.970	3.100	3.036	1.91
22) ISOPROPYL AL	2.614	2.865	1.826	3.326	1.933	1.947	1.818	3.024	2.419	25.19
23) ACETONE	0.909	0.953	0.636		0.628	0.640	0.612	1.066	0.778	24.61
24) PENTANE	1.118	1.229	1.074	1.202	1.071	1.085	1.048	1.223	1.131	6.60
25) IODOMETHANE	4.110	4.317	4.322	4.327	4.267	4.175	4.218	4.153	4.236	1.99
26) 1,1-DICHLORO	1.535	1.537	1.544	1.764	1.537	1.515	1.505	1.573	1.564	5.33
27) CARBON DISUL	3.097	3.096	3.900	2.960	3.378	3.594	3.735	2.934	3.337	11.11
28) ETHANOL	0.825		0.451		0.447	0.459	0.435		0.524	32.27
29) BROMOETHENE	1.549	1.634	1.546	1.258	1.535	1.505	1.497	1.466	1.499	7.28
30) ACRYLONITRIL	0.912	0.910	0.834	0.882	0.824	0.824	0.800	0.731	0.840	7.24
31) METHYLENE CH	1.497	1.725	1.365		1.375	1.362	1.346	2.025	1.528	16.86
32) 3-CHLOROPROP	0.700	0.691	0.754	0.645	0.734	0.735	0.724	0.743	0.716	4.98
33) FREON 113	2.609	2.739	2.659	2.403	2.616	2.571	2.608	2.672	2.610	3.76
34) TRANS-1,2-DI	1.526	1.579	1.541	1.490	1.545	1.513	1.535	1.334	1.508	4.95
35) TERTIARY BUT	2.306	2.443	2.074	2.130	2.486	2.499	2.277	2.545	2.345	7.55
36) METHYL TERTI	3.550	3.485	3.617	3.187	3.489	3.509	3.545	3.581	3.495	3.79
37) TETRAHYDROFU	0.717	0.732	0.740		0.736	0.731	0.741	0.570	0.710	8.77
38) HEXANE	2.179	2.260	2.132	2.336	2.161	2.171	2.129	2.237	2.201	3.26
39) VINYL ACETAT	0.301	0.300	0.428		0.356	0.391	0.408	0.281	0.352	16.76
40) 1,1-DICHLORO	2.233	2.277	2.337	1.991	2.328	2.313	2.310	2.230	2.252	5.03
41) METHYL ETHYL	0.814	0.762	0.734	0.758	0.722	0.721	0.725	0.796	0.754	4.68
42) CIS-1,2-DICH	1.601	1.699	1.681	1.599	1.679	1.651	1.655	1.843	1.676	4.57
43) DIISOPROPYL	0.606	0.691	0.641	0.583	0.629	0.633	0.633	0.595	0.626	5.34
44) ETHYL ACETAT	0.413	0.371	0.440		0.417	0.433	0.435	0.270	0.397	15.25
45) METHYL ACRYL	2.411	2.402	2.464	2.388	2.335	2.399	2.406	2.364	2.396	1.56
46) CHLOROFORM	2.638	2.638	2.659	2.661	2.665	2.651	2.669	2.802	2.673	2.00

Initial Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICC2318
Lab FileID: 2W52194.D

47)	2,4-DIMETHYL	2.606	2.637	2.594	2.403	2.600	2.634	2.591	2.614	2.585	2.92
48)	1,1,1-TRICHL	2.221	2.299	2.431	1.908	2.258	2.304	2.374	2.224	2.252	6.95
49)	CARBON TETRA	1.950	1.933	2.513	1.805	2.086	2.244	2.396	1.707	2.079	13.69
50)	1,2-DICHLORO	1.473	1.479	1.447	1.088	1.461	1.460	1.449	1.374	1.404	9.38
51)	BENZENE	4.960	5.103	4.898	5.461	4.946	4.898	4.881	5.391	5.067	4.60
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE	0.441	0.423	0.434	0.375	0.436	0.434	0.427	0.399	0.421	5.41
54)	2,3-DIMETHYL	0.223	0.212	0.217	0.145	0.217	0.218	0.215	0.199	0.206	12.45
55)	TRICHLOROETH	0.408	0.404	0.399	0.386	0.401	0.399	0.397	0.417	0.401	2.23
56)	1,2-DICHLORO	0.324	0.329	0.334	0.269	0.332	0.332	0.326	0.308	0.319	6.80
57)	DIBROMOMETHA	0.411	0.457	0.429	0.449	0.425	0.418	0.423	0.444	0.432	3.71
58)	ETHYL ACRYLA	0.544	0.526	0.608	0.518	0.562	0.580	0.588	0.523	0.556	6.01
59)	BROMODICHLOR	0.491	0.465	0.574	0.444	0.529	0.548	0.559	0.458	0.508	9.88
60)	2,2,4-TRIMET	1.332	1.394	1.351	1.361	1.363	1.374	1.343	1.365	1.360	1.41
61)	1,4-DIOXANE	0.256	0.277	0.215	0.187	0.220	0.215	0.212	0.224	0.226	12.50
62)	HEPTANE	0.421	0.409	0.416	0.432	0.422	0.426	0.415	0.406	0.418	2.06
63)	METHYL METHA	0.315	0.302	0.353		0.333	0.339	0.345	0.273	0.323	8.72
64)	METHYL ISOBU	0.251	0.253	0.268	0.213	0.263	0.268	0.262	0.219	0.250	8.68
65)	CIS-1,3-DICH	0.416	0.409	0.507	0.304	0.460	0.479	0.494	0.370	0.430	16.06
66)	TOLUENE	1.213	1.277	1.171	1.579	1.189	1.172	1.160	1.262	1.253	11.05
67)	1,3-DICHLORO	0.517	0.505	0.529	0.465	0.528	0.528	0.519	0.466	0.507	5.30
68)	TRANS-1,3-DI	0.326	0.313	0.424		0.353	0.389	0.401	0.266	0.353	15.75
69)	1,1,2-TRICHL	0.325	0.322	0.330	0.257	0.332	0.332	0.327	0.311	0.317	7.95
70)	2-HEXANONE	0.382	0.390	0.340		0.328	0.337	0.334	0.383	0.356	7.62
71)	ETHYL METHAC	0.454	0.429	0.565	0.282	0.511	0.533	0.540	0.377	0.461	20.91
72)	TETRACHLOROE	0.464	0.471	0.470	0.389	0.470	0.463	0.458	0.468	0.457	6.09
73)	DIBROMOCHLOR	0.469	0.437	0.627	0.387	0.537	0.576	0.592	0.390	0.502	18.70
74)	1,2-DIBROMOE	0.542	0.491	0.587	0.430	0.570	0.568	0.574	0.502	0.533	10.20
75)	OCTANE	0.566	0.587	0.577	0.583	0.573	0.578	0.560	0.588	0.576	1.69
76)	I CHLOROBENZENE-D5	----------ISTD----------									
77)	1,1,1,2-TETR	0.371	0.383	0.521		0.455	0.483	0.499	0.366	0.439	14.89
78)	CHLOROBENZEN	1.026	1.046	1.062	1.011	1.066	1.044	1.048	1.002	1.038	2.22
79)	ETHYLBENZENE	1.601	1.749	1.593	2.380	1.610	1.585	1.581	1.947	1.756	16.07
80)	M,P-XYLENE	1.182	1.280	1.182	1.808	1.185	1.161	1.164	1.414	1.297	17.25
81)	O-XYLENE	1.174	1.307	1.192	1.805	1.202	1.173	1.177	1.420	1.306	16.82
82)	STYRENE	0.953	0.971	1.019		1.003	1.000	1.015	1.015	0.997	2.51
83)	NONANE	0.638	0.628	0.642	0.483	0.639	0.640	0.635	0.655	0.620	9.01
84)	BROMOFORM	0.454	0.395	0.718		0.572	0.635	0.676	0.340	0.541	27.03
85)	1,1,2,2-TETR	0.844	0.855	0.878		0.862	0.864	0.863	0.805	0.853	2.73
86)	1,2,3-TRICHL	0.589	0.622	0.618	0.496	0.611	0.614	0.609	0.572	0.591	7.10
87)	4-BROMOFLUOR	0.614	0.620	0.615	0.620	0.623	0.619	0.620	0.617	0.619	0.50
88)	ISOPROPYLBEN	0.473	0.462	0.496		0.498	0.492	0.490	0.414	0.475	6.34
89)	BROMOBENZENE	0.746	0.752	0.769	0.681	0.778	0.769	0.763	0.779	0.755	4.23
90)	2-CHLOROTOLU	0.406	0.412	0.439	0.334	0.447	0.440	0.442	0.409	0.416	8.91
91)	N-PROPYLBENZ	0.458	0.478	0.499	0.389	0.501	0.495	0.492	0.464	0.472	7.89
92)	4-ETHYLTOLUE	1.574	1.545	1.638	1.502	1.642	1.615	1.628	1.521	1.583	3.50
93)	1,3,5-TRIMET	1.205	1.296	1.328	1.232	1.327	1.301	1.310	1.284	1.285	3.47
94)	ALPHA-METHYL	0.676	0.701	0.756	0.648	0.744	0.734	0.741	0.656	0.707	6.03
95)	TERT-BUTYLBE	0.345	0.349	0.374	0.317	0.370	0.364	0.372	0.355	0.356	5.34
96)	1,2,4-TRIMET	1.218	1.234	1.339	1.165	1.308	1.298	1.324	1.206	1.262	5.06
97)	BENZYL CHLOR	0.481	0.507	0.975	0.451	0.628	0.759	0.879	0.487	0.646	31.27
98)	M-DICHLOROBE	0.933	0.972	0.943	0.952	0.943	0.925	0.946	0.936	0.944	1.50
99)	P-DICHLOROBE	0.935	0.932	0.937	0.966	0.940	0.924	0.946	0.946	0.941	1.33
100)	O-DICHLOROBE	0.826	0.881	0.876	0.917	0.861	0.846	0.884	0.874	0.871	3.10
101)	SEC-BUTYLBEN	0.408	0.423	0.450	0.403	0.438	0.443	0.453	0.401	0.427	5.02
102)	1,2,3-TRIMET	1.170	1.203	1.273	1.181	1.263	1.244	1.287	1.213	1.229	3.55
103)	P-ISOPROPYLT	0.422	0.425	0.480	0.406	0.461	0.462	0.483	0.402	0.443	7.34
104)	N-BUTYLBENZE	0.392	0.381	0.437	0.389	0.423	0.423	0.436	0.362	0.405	6.87

Initial Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICC2318
Lab FileID: 2W52194.D

105)	HEXACHLOROET	0.282	0.251	0.520	0.221	0.370	0.430	0.483	0.246	0.350	33.30
106)	HEXACHLOROBU	0.483	0.498	0.521	0.568	0.481	0.479	0.505	0.533	0.508	6.10
107)	1,2,4-TRICHL	0.667	0.646	0.582	0.798	0.545	0.547	0.571	0.727	0.635	14.44
108)	NAPHTHALENE	1.699	1.823	1.173	2.017	1.094	1.094	1.144	1.911	1.494	27.04

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

M2W2318.M Tue Mar 09 10:33:23 2021 GCMS2W

Initial Calibration Verification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICV2318
Lab FileID: 2W52206.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w52206.D
Acq On : 5 Mar 2021 6:07 pm
Operator : danat
Sample : icv2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 10:32:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.85#
3	T	FREON 152A	0.862	0.827	4.1	102	0.00
4	T	CHLORODIFLUOROMETHANE	0.272	0.263	3.3	103	0.00
5	T	CHLOROTRIFLUOROETHENE	2.222	2.175	2.1	105	0.00
6	T	DICHLORODIFLUOROMETHANE	3.187	2.978	6.6	100	0.00
7	T	PROPYLENE	0.927	0.809	12.7	99	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	2.169	2.115	2.5	104	0.00
9	T	FREON 114	3.796	3.541	6.7	100	0.00
10	T	CHLOROMETHANE	0.344	0.339	1.5	100	0.00
11	T	VINYL CHLORIDE	1.455	1.375	5.5	99	0.00
12	t	1,3-BUTADIENE	1.008	0.968	4.0	100	0.00
13	T	N-BUTANE	1.749	1.546	11.6	99	0.00
14	T	BROMOMETHANE	1.525	1.425	6.6	100	0.00
15	T	CHLOROETHANE	0.797	0.790	0.9	101	0.00
16	T	DICHLOROFLUOROMETHANE	2.925	2.638	9.8	98	0.00
17	T	ACETONITRILE	1.113	0.858	22.9	98	0.00
18	T	ACROLEIN	0.607	0.562	7.4	96	0.00
19	T	FREON 123	3.534	3.441	2.6	106	0.00
20	T	FREON 123A	1.930	2.073	-7.4	116	0.00
21	T	TRICHLOROFLUOROMETHANE	3.036	2.754	9.3	99	0.00
22	T	ISOPROPYL ALCOHOL	2.419	1.806	25.3	100	0.00
23	T	ACETONE	0.778	0.621	20.2	105	0.00
24	T	PENTANE	1.131	1.042	7.9	103	0.00
25	T	IODOMETHANE	4.236	4.033	4.8	104	0.00
26	T	1,1-DICHLOROETHYLENE	1.564	1.480	5.4	105	0.00
27	T	CARBON DISULFIDE	3.337	3.776	-13.2	113	0.00
28	T	ETHANOL	0.524	0.398	24.0	93	0.00
29	T	BROMOETHENE	1.499	1.477	1.5	106	0.00
30	T	ACRYLONITRILE	0.840	0.775	7.7	101	0.00
31	T	METHYLENE CHLORIDE	1.528	1.291	15.5	102	0.00
32	T	3-CHLOROPROPENE	0.716	0.702	2.0	103	0.00
33	T	FREON 113	2.610	2.465	5.6	103	0.00
34	T	TRANS-1,2-DICHLOROETHENE	1.508	1.484	1.6	106	0.00
35	T	TERTIARY BUTYL ALCOHOL	2.345	2.101	10.4	91	0.00
36	t	METHYL TERTIARY BUTYL ETHER	3.495	3.391	3.0	104	0.00
37	T	TETRAHYDROFURAN	0.710	0.654	7.9	96	0.00
38	T	HEXANE	2.201	2.077	5.6	103	0.00

Initial Calibration Verification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICV2318
Lab FileID: 2W52206.D

39	T	VINYL ACETATE	0.352	0.385	-9.4	106	0.00
40	T	1,1-DICHLOROETHANE	2.252	2.202	2.2	103	0.00
41	T	METHYL ETHYL KETONE	0.754	0.701	7.0	105	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.676	1.564	6.7	102	0.00
43	T	DIISOPROPYL ETHER	0.626	0.605	3.4	103	0.00
44	T	ETHYL ACETATE	0.397	0.457	-15.1	114	0.00
45	T	METHYL ACRYLATE	2.396	2.345	2.1	105	0.00
46	T	CHLOROFORM	2.673	2.506	6.2	102	0.00
47	T	2,4-DIMETHYLPENTANE	2.585	2.440	5.6	100	0.00
48	T	1,1,1-TRICHLOROETHANE	2.252	2.238	0.6	105	0.00
49	T	CARBON TETRACHLORIDE	2.079	2.218	-6.7	107	0.00
50	T	1,2-DICHLOROETHANE	1.404	1.361	3.1	100	0.00
51	t	BENZENE	5.067	4.625	8.7	102	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00
53	T	CYCLOHEXANE	0.421	0.408	3.1	102	0.00
54	T	2,3-DIMETHYLPENTANE	0.206	0.203	1.5	100	0.00
55	T	TRICHLOROETHENE	0.401	0.376	6.2	102	0.00
56	T	1,2-DICHLOROPROPANE	0.319	0.313	1.9	102	0.00
57	T	DIBROMOMETHANE	0.432	0.402	6.9	104	0.00
58	T	ETHYL ACRYLATE	0.556	0.566	-1.8	106	0.00
59	T	BROMODICHLOROMETHANE	0.508	0.519	-2.2	103	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.360	1.273	6.4	100	0.00
61	T	1,4-DIOXANE	0.226	0.189	16.4	96	0.00
62	T	HEPTANE	0.418	0.391	6.5	99	0.00
63	T	METHYL METHACRYLATE	0.323	0.320	0.9	102	0.00
64	T	METHYL ISOBUTYL KETONE	0.250	0.247	1.2	100	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.430	0.493	-14.7	112	0.00
66	T	TOLUENE	1.253	1.105	11.8	102	0.00
67	T	1,3-DICHLOROPROPANE	0.507	0.501	1.2	103	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.353	0.381	-7.9	106	0.00
69	T	1,1,2-TRICHLOROETHANE	0.317	0.310	2.2	101	0.00
70	T	2-HEXANONE	0.356	0.323	9.3	104	0.00
71	T	ETHYL METHACRYLATE	0.461	0.519	-12.6	105	0.00
72	T	TETRACHLOROETHENE	0.457	0.441	3.5	103	0.00
73	T	DIBROMOCHLOROMETHANE	0.502	0.546	-8.8	103	0.00
74	T	1,2-DIBROMOETHANE	0.533	0.542	-1.7	104	0.00
75	T	OCTANE	0.576	0.532	7.6	100	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	108	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.439	0.458	-4.3	103	0.00
78	T	CHLOROBENZENE	1.038	0.991	4.5	103	0.00
79	t	ETHYLBENZENE	1.756	1.510	14.0	103	0.00
80	t	M,P-XYLENE	1.297	1.106	14.7	103	0.00
81	t	O-XYLENE	1.306	1.116	14.5	103	0.00
82	T	STYRENE	0.997	0.951	4.6	103	0.00
83	T	NONANE	0.620	0.606	2.3	103	0.00
84	T	BROMOFORM	0.541	0.593	-9.6	101	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.853	0.820	3.9	103	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.591	0.584	1.2	103	0.00
87	S	4-BROMOFLUOROBENZENE	0.619	0.616	0.5	108	0.00
88	T	ISOPROPYLBENZENE	0.475	0.474	0.2	104	0.00
89	T	BROMOBENZENE	0.755	0.723	4.2	102	0.00
90	T	2-CHLOROTOLUENE	0.416	0.424	-1.9	105	0.00
91	T	N-PROPYLBENZENE	0.472	0.474	-0.4	104	0.00
92	T	4-ETHYLTOLUENE	1.583	1.604	-1.3	108	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.285	1.279	0.5	107	0.00
94	T	ALPHA-METHYLSTYRENE	0.707	0.699	1.1	103	0.00
95	T	TERT-BUTYLBENZENE	0.356	0.356	0.0	106	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.262	1.279	-1.3	107	0.00

Initial Calibration Verification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2318-ICV2318
Lab FileID: 2W52206.D

97	T	BENZYL CHLORIDE	0.646	0.757	-17.2	108	0.00
98	T	M-DICHLOROBENZENE	0.944	0.906	4.0	106	0.00
99	T	P-DICHLOROBENZENE	0.941	0.905	3.8	106	0.00
100	T	O-DICHLOROBENZENE	0.871	0.834	4.2	107	0.00
101	T	SEC-BUTYLBENZENE	0.427	0.428	-0.2	105	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.229	1.213	1.3	106	0.00
103	T	P-ISOPROPYLTOLUENE	0.443	0.465	-5.0	109	0.00
104	T	N-BUTYLBENZENE	0.405	0.425	-4.9	109	0.00
105	T	HEXACHLOROETHANE	0.350	0.442	-26.3	111	0.00
106	T	HEXACHLOROBUTADIENE	0.508	0.562	-10.6	127	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.635	0.610	3.9	121	0.00
108	T	NAPHTHALENE	1.494	1.272	14.9	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2318.M Tue Mar 09 10:33:03 2021 GCMS2W

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2397-CC2318
Lab FileID: 2W54059.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w54059.D
Acq On : 17 Jun 2021 7:41 am
Operator : thomash
Sample : cc2318-10
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:40 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.02
2	T	FREON 115	0.000	0.000	0.0	0#	-1.85#
3	T	FREON 152A	0.862	0.837	2.9	80	0.01
4	T	CHLORODIFLUOROMETHANE	0.272	0.277	-1.8	85	0.01
5	T	CHLOROTRIFLUOROETHENE	2.222	1.960	11.8	74	0.01
6	T	DICHLORODIFLUOROMETHANE	3.187	3.665	-15.0	96	0.01
7	T	PROPYLENE	0.927	0.977	-5.4	93	0.01
8	T	1-CHLORO-1,1-DIFLUOROETHANE	2.169	2.259	-4.1	86	0.01
9	T	FREON 114	3.796	3.498	7.9	77	0.02
10	T	CHLOROMETHANE	0.344	0.367	-6.7	85	0.01
11	T	VINYL CHLORIDE	1.455	1.392	4.3	78	0.02
12	t	1,3-BUTADIENE	1.008	1.020	-1.2	82	0.02
13	T	N-BUTANE	1.749	1.807	-3.3	90	0.02
14	T	BROMOMETHANE	1.525	1.365	10.5	74	0.02
15	T	CHLOROETHANE	0.797	0.757	5.0	75	0.02
16	T	DICHLOROFLUOROMETHANE	2.925	2.766	5.4	80	0.02
17	T	ACETONITRILE	1.113	1.128	-1.3	100	0.02
18	T	ACROLEIN	0.607	0.605	0.3	80	0.02
19	T	FREON 123	3.534	3.063	13.3	74	0.02
20	T	FREON 123A	1.930	1.715	11.1	74	0.02
21	T	TRICHLOROFLUOROMETHANE	3.036	2.964	2.4	83	0.02
22	T	ISOPROPYL ALCOHOL	2.419	2.019	16.5	87	0.02
23	T	ACETONE	0.778	0.619	20.4	81	0.02
24	T	PENTANE	1.131	1.104	2.4	85	0.02
25	T	IODOMETHANE	4.236	3.726	12.0	75	0.02
26	T	1,1-DICHLOROETHYLENE	1.564	1.332	14.8	74	0.02
27	T	CARBON DISULFIDE	3.337	3.538	-6.0	82	0.02
28	T	ETHANOL	0.524	0.548	-4.6	100	0.02
29	T	BROMOETHENE	1.499	1.327	11.5	74	0.02
30	T	ACRYLONITRILE	0.840	0.824	1.9	84	0.02
31	T	METHYLENE CHLORIDE	1.528	1.198	21.6	74	0.02
32	T	3-CHLOROPROPENE	0.716	0.644	10.1	73	0.02
33	T	FREON 113	2.610	2.254	13.6	73	0.02
34	T	TRANS-1,2-DICHLOROETHENE	1.508	1.297	14.0	72	0.02
35	T	TERTIARY BUTYL ALCOHOL	2.345	2.203	6.1	74	0.02
36	t	METHYL TERTIARY BUTYL ETHER	3.495	3.011	13.8	72	0.02
37	T	TETRAHYDROFURAN	0.710	0.642	9.6	74	0.02
38	T	HEXANE	2.201	1.952	11.3	75	0.02

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2397-CC2318
Lab FileID: 2W54059.D

39	T	VINYL ACETATE	0.352	0.348	1.1	74	0.02
40	T	1,1-DICHLOROETHANE	2.252	2.089	7.2	76	0.02
41	T	METHYL ETHYL KETONE	0.754	0.659	12.6	77	0.02
42	T	CIS-1,2-DICHLOROETHENE	1.676	1.423	15.1	72	0.02
43	T	DIISOPROPYL ETHER	0.626	0.581	7.2	77	0.02
44	T	ETHYL ACETATE	0.397	0.394	0.8	76	0.01
45	T	METHYL ACRYLATE	2.396	2.370	1.1	83	0.01
46	T	CHLOROFORM	2.673	2.511	6.1	79	0.02
47	T	2,4-DIMETHYLPENTANE	2.585	2.358	8.8	75	0.01
48	T	1,1,1-TRICHLOROETHANE	2.252	2.292	-1.8	83	0.01
49	T	CARBON TETRACHLORIDE	2.079	2.412	-16.0	90	0.00
50	T	1,2-DICHLOROETHANE	1.404	1.462	-4.1	84	0.02
51	t	BENZENE	5.067	4.189	17.3	72	0.01
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	85	0.01
53	T	CYCLOHEXANE	0.421	0.352	16.4	69	0.00
54	T	2,3-DIMETHYLPENTANE	0.206	0.182	11.7	71	0.01
55	T	TRICHLOROETHENE	0.401	0.340	15.2	72	0.00
56	T	1,2-DICHLOROPROPANE	0.319	0.293	8.2	75	0.00
57	T	DIBROMOMETHANE	0.432	0.354	18.1	72	0.01
58	T	ETHYL ACRYLATE	0.556	0.560	-0.7	82	0.01
59	T	BROMODICHLOROMETHANE	0.508	0.533	-4.9	83	0.01
60	T	2,2,4-TRIMETHYLPENTANE	1.360	1.239	8.9	76	0.00
61	T	1,4-DIOXANE	0.226	0.182	19.5	72	0.00
62	T	HEPTANE	0.418	0.425	-1.7	84	0.02
63	T	METHYL METHACRYLATE	0.323	0.301	6.8	75	0.01
64	T	METHYL ISOBUTYL KETONE	0.250	0.240	4.0	76	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.430	0.427	0.7	76	0.00
66	T	TOLUENE	1.253	0.977	22.0	71	0.00
67	T	1,3-DICHLOROPROPANE	0.507	0.463	8.7	74	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.353	0.361	-2.3	79	0.00
69	T	1,1,2-TRICHLOROETHANE	0.317	0.288	9.1	74	0.00
70	T	2-HEXANONE	0.356	0.311	12.6	78	0.00
71	T	ETHYL METHACRYLATE	0.461	0.469	-1.7	75	0.00
72	T	TETRACHLOROETHENE	0.457	0.384	16.0	70	0.00
73	T	DIBROMOCHLOROMETHANE	0.502	0.551	-9.8	81	0.00
74	T	1,2-DIBROMOETHANE	0.533	0.494	7.3	74	0.00
75	T	OCTANE	0.576	0.584	-1.4	86	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	83	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.439	0.456	-3.9	79	0.00
78	T	CHLOROBENZENE	1.038	0.881	15.1	70	0.00
79	t	ETHYLBENZENE	1.756	1.389	20.9	73	0.00
80	t	M,P-XYLENE	1.297	1.033	20.4	74	0.00
81	t	O-XYLENE	1.306	1.064	18.5	76	0.00
82	T	STYRENE	0.997	0.864	13.3	72	0.00
83	T	NONANE	0.620	0.692	-11.6	90	0.00
84	T	BROMOFORM	0.541	0.647	-19.6	85	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.853	0.822	3.6	79	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.591	0.578	2.2	79	0.00
87	S	4-BROMOFLUOROBENZENE	0.619	0.613	1.0	83	0.00
88	T	ISOPROPYLBENZENE	0.475	0.425	10.5	72	0.00
89	T	BROMOBENZENE	0.755	0.704	6.8	76	0.00
90	T	2-CHLOROTOLUENE	0.416	0.388	6.7	74	0.00
91	T	N-PROPYLBENZENE	0.472	0.429	9.1	72	0.00
92	T	4-ETHYLTOLUENE	1.583	1.474	6.9	76	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.285	1.225	4.7	79	0.00
94	T	ALPHA-METHYLSTYRENE	0.707	0.684	3.3	78	0.00
95	T	TERT-BUTYLBENZENE	0.356	0.327	8.1	75	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.262	1.263	-0.1	81	0.00

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2397-CC2318
Lab FileID: 2W54059.D

97	T	BENZYL CHLORIDE	0.646	0.839	-29.9	92	0.00
98	T	M-DICHLOROBENZENE	0.944	0.893	5.4	81	0.00
99	T	P-DICHLOROBENZENE	0.941	0.892	5.2	80	0.00
100	T	O-DICHLOROBENZENE	0.871	0.857	1.6	84	0.00
101	T	SEC-BUTYLBENZENE	0.427	0.415	2.8	78	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.229	1.252	-1.9	84	0.00
103	T	P-ISOPROPYLTOLUENE	0.443	0.450	-1.6	81	0.00
104	T	N-BUTYLBENZENE	0.405	0.414	-2.2	82	0.00
105	T	HEXACHLOROETHANE	0.350	0.535	-52.9#	104	0.00
106	T	HEXACHLOROBUTADIENE	0.508	0.612	-20.5	107	0.02
107	T	1,2,4-TRICHLOROBENZENE	0.635	0.667	-5.0	102	0.01
108	T	NAPHTHALENE	1.494	1.346	9.9	103	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2318.M Fri Jun 18 09:56:27 2021 GCMS2W

Initial Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2424-ICC2424
Lab FileID: 2W54659.D

Response Factor Report MS2W

Method : C:\msdchem\1\METHODS\M2W2424.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Calibration Files
0.5 =2w54654.D 0.2 =2w54655.D 40 =2w54661.D 0.04=2w54657.D
5 =2w54658.D 10 =2w54659.D 20 =2w54660.D 0.1 =2w54656.D

Compound	0.5	0.2	40	0.04	5	10	20	0.1	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------	ISTD	----------							
2) FREON 115									0.000	-1.00
3) FREON 152A	0.838	0.758	0.723	0.814	0.748	0.717	0.740	0.815	0.769	6.04
4) CHLORODIFLUO	0.509	0.426	0.478	0.565	0.501	0.488	0.494	0.441	0.488	8.71
5) CHLOROTRIFLU	2.047	2.145	2.076	2.539	2.128	2.058	2.095	2.336	2.178	7.91
6) DICHLORODIFL	4.438	4.713	4.698		4.780	4.516	4.601	4.566	4.616	2.61
7) PROPYLENE	0.739	0.921	0.776	1.202	0.782	0.758	0.770	0.951	0.862	18.34
8) 1-CHLORO-1,1	3.794	4.034	3.906	4.114	3.942	3.834	3.922	3.930	3.935	2.60
9) FREON 114	3.862	3.973	4.037	4.129	4.087	3.938	4.063	4.036	4.016	2.16
10) CHLOROMETHAN	0.304	0.359	0.292		0.313	0.293	0.291	0.345	0.314	8.74
11) VINYL CHLORI	1.180	1.316	1.165	1.406	1.226	1.146	1.209	1.348	1.249	7.64
12) 1,3-BUTADIEN	0.775	0.860	0.827	0.661	0.854	0.833	0.846	1.017	0.834	11.82
13) N-BUTANE	1.534	1.548	1.490	1.981	1.570	1.484	1.512	1.652	1.596	10.28
14) BROMOMETHANE	1.362	1.228	1.311	1.629	1.357	1.277	1.332	1.511	1.376	9.54
15) CHLOROETHANE	0.638	0.669	0.648	0.775	0.658	0.641	0.653	0.676	0.670	6.66
16) DICHLOROFLUO	3.020	3.186	3.199	3.742	3.304	3.139	3.235	3.377	3.275	6.61
17) ACETONITRILE	1.022	0.882	0.815		0.795	0.771	0.822	1.146	0.893	15.60
18) ACROLEIN	0.584	0.579	0.497		0.510	0.488	0.515	0.734	0.558	15.46
19) FREON 123	3.265	3.402	3.104	3.444	3.201	3.069	3.204	3.576	3.283	5.36
20) FREON 123A	1.891	2.067	2.076	1.800	2.145	2.063	2.130	2.583	2.094	11.02
21) TRICHLOROFLU	4.687	4.889	4.879	5.214	4.976	4.746	4.910	4.766	4.883	3.37
22) ISOPROPYL AL	2.202	2.856	1.910		2.080	1.991	1.973		2.169	16.21
23) ACETONE	0.680	0.795	0.518		0.504	0.507	0.515		0.586	20.92
24) PENTANE	0.959	0.980	0.930	0.790	0.953	0.935	0.952	1.030	0.941	7.28
25) IODOMETHANE	3.861	3.734	3.942	3.796	3.922	3.824	3.940	4.342	3.920	4.74
26) 1,1-DICHLORO	1.167	1.358	1.295	1.602	1.318	1.281	1.303	1.542	1.358	10.57
27) CARBON DISUL	3.140	3.221	3.288	3.585	3.292	3.157	3.257	3.322	3.283	4.21
28) ETHANOL	0.622	0.598	0.393		0.403	0.393	0.408		0.470	23.29
29) BROMOETHENE	1.321	1.352	1.353	1.590	1.392	1.321	1.377	1.654	1.420	9.02
30) ACRYLONITRIL	0.735	0.813	0.734	0.908	0.737	0.714	0.729	0.749	0.765	8.48
31) METHYLENE CH	1.288	1.665	1.113		1.129	1.114	1.139		1.241	17.55
32) 3-CHLOROPROP	0.588	0.613	0.588	0.508	0.579	0.575	0.590	0.595	0.579	5.35
33) FREON 113	2.781	2.725	2.749	2.765	2.711	2.617	2.712	2.744	2.725	1.84
34) TRANS-1,2-DI	1.433	1.256	1.358	1.587	1.395	1.329	1.366	1.414	1.392	6.88
35) TERTIARY BUT	2.227	2.465	2.290	2.473	2.483	2.523	2.382	2.642	2.436	5.43
36) METHYL TERTI	3.395	3.504	3.863	3.576	3.544	3.585	3.751	3.414	3.579	4.46
37) TETRAHYDROFU	0.517	0.535	0.594		0.559	0.588	0.600	0.549	0.563	5.65
38) HEXANE	1.700	1.898	1.751	1.839	1.800	1.711	1.753	1.964	1.802	5.16
39) VINYL ACETAT	0.312	0.325	0.355		0.306	0.315	0.361	0.360	0.333	7.29
40) 1,1-DICHLORO	2.311	2.250	2.217	2.404	2.248	2.216	2.258	2.114	2.252	3.69
41) METHYL ETHYL	0.654	0.526	0.612	0.676	0.612	0.597	0.619	0.664	0.620	7.68
42) CIS-1,2-DICH	1.374	1.547	1.447	1.037	1.510	1.424	1.479	1.838	1.457	15.16
43) DIISOPROPYL	0.620	0.396	0.557	0.436	0.541	0.552	0.565	0.607	0.534	14.73
44) ETHYL ACETAT	0.333	0.362	0.336		0.329	0.329	0.334	0.230	0.322	13.06
45) METHYL ACRYL	2.195	2.342	2.289	1.923	2.243	2.169	2.268	2.431	2.233	6.70
46) CHLOROFORM	3.223	3.595	3.352	3.390	3.409	3.310	3.358	3.750	3.423	4.94

Initial Calibration Summary

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Sample: V2W2424-ICC2424
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47)	2,4-DIMETHYL	2.026	2.305	2.089	2.065	2.143	2.082	2.100	2.094	2.113	3.99
48)	1,1,1-TRICHL	3.582	3.434	3.804	4.439	3.567	3.563	3.779	3.442	3.701	8.85
49)	CARBON TETRA	3.757	4.181	4.241	4.222	4.000	4.041	4.224	4.185	4.106	4.06
50)	1,2-DICHLORO	2.336	2.438	2.356	2.062	2.449	2.344	2.384	2.488	2.357	5.58
51)	BENZENE	3.964	3.908	3.967	4.418	4.092	3.917	3.991	4.466	4.090	5.49
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE	0.359	0.382	0.364	0.353	0.364	0.354	0.371	0.410	0.370	5.10
54)	2,3-DIMETHYL	0.179	0.137	0.175	0.156	0.179	0.178	0.177	0.221	0.175	13.55
55)	TRICHLOROETH	0.414	0.458	0.431	0.344	0.435	0.410	0.425	0.448	0.421	8.28
56)	1,2-DICHLORO	0.275	0.287	0.267	0.317	0.272	0.265	0.264	0.303	0.281	6.90
57)	DIBROMOMETHA	0.439	0.477	0.445	0.589	0.451	0.435	0.444	0.445	0.466	11.09
58)	ETHYL ACRYLA	0.540	0.514	0.591	0.462	0.546	0.554	0.585	0.495	0.536	8.20
59)	BROMODICHLOR	0.766	0.757	0.782	0.734	0.779	0.762	0.783	0.846	0.776	4.21
60)	2,2,4-TRIMET	1.195	1.238	1.151	1.118	1.182	1.124	1.157	1.201	1.171	3.49
61)	1,4-DIOXANE	0.231	0.259	0.189	0.136	0.187	0.189	0.188	0.223	0.200	18.52
62)	HEPTANE	0.386	0.388	0.372	0.341	0.380	0.373	0.373	0.422	0.379	5.92
63)	METHYL METHA	0.281	0.303	0.313	0.241	0.300	0.302	0.309	0.260	0.289	8.95
64)	METHYL ISOBU	0.231	0.220	0.231		0.223	0.219	0.228	0.235	0.227	2.66
65)	CIS-1,3-DICH	0.446	0.444	0.501	0.447	0.470	0.466	0.494	0.486	0.469	4.81
66)	TOLUENE	1.033	1.028	1.054	1.108	1.087	1.034	1.063	1.112	1.065	3.17
67)	1,3-DICHLORO	0.500	0.517	0.501	0.569	0.502	0.491	0.500	0.560	0.518	5.81
68)	TRANS-1,3-DI	0.405	0.399	0.495	0.386	0.422	0.440	0.478	0.392	0.427	9.53
69)	1,1,2-TRICHL	0.282	0.304	0.295	0.253	0.311	0.289	0.299	0.370	0.300	11.01
70)	2-HEXANONE	0.278	0.344	0.308	0.315	0.288	0.286	0.295	0.256	0.296	8.95
71)	ETHYL METHAC	0.418	0.391	0.518	0.327	0.479	0.486	0.512	0.474	0.451	14.77
72)	TETRACHLOROE	0.453	0.505	0.474	0.454	0.489	0.466	0.480	0.455	0.472	3.94
73)	DIBROMOCHLOR	0.761	0.772	0.823	0.694	0.804	0.779	0.819	0.783	0.779	5.24
74)	1,2-DIBROMOE	0.605	0.586	0.608	0.475	0.607	0.586	0.605	0.581	0.582	7.66
75)	OCTANE	0.536	0.519	0.519	0.603	0.538	0.510	0.517	0.535	0.534	5.50
76)	I CHLOROBENZENE-D5	----------ISTD----------									
77)	1,1,1,2-TETR	0.586	0.627	0.653	0.599	0.619	0.599	0.645	0.622	0.619	3.74
78)	CHLOROBENZEN	0.992	0.987	1.021	1.059	1.019	0.978	1.027	1.186	1.033	6.47
79)	ETHYLBENZENE	1.519	1.629	1.690	1.705	1.688	1.604	1.691	1.681	1.651	3.86
80)	M,P-XYLENE	1.255	1.253	1.343	1.243	1.318	1.277	1.337	1.180	1.276	4.32
81)	O-XYLENE	1.294	1.332	1.355	1.250	1.321	1.287	1.350	1.389	1.322	3.34
82)	STYRENE	0.923	0.862	0.998	0.816	0.974	0.953	0.996	0.862	0.923	7.47
83)	NONANE	0.619	0.656	0.638	0.755	0.637	0.606	0.636	0.665	0.651	7.02
84)	BROMOFORM	0.829	0.783	0.983	0.601	0.894	0.890	0.954	0.804	0.842	14.21
85)	1,1,2,2-TETR	0.801	0.819	0.835	0.745	0.821	0.794	0.833	0.789	0.804	3.67
86)	1,2,3-TRICHL	0.668	0.676	0.686	0.823	0.679	0.649	0.678	0.774	0.704	8.61
87)	4-BROMOFLUOR	0.708	0.692	0.711	0.692	0.700	0.696	0.720	0.704	0.703	1.38
88)	ISOPROPYLBEN	0.464	0.485	0.496	0.493	0.484	0.478	0.495	0.482	0.485	2.20
89)	BROMOBENZENE	0.850	0.938	0.868	0.748	0.853	0.835	0.871	0.906	0.859	6.47
90)	2-CHLOROTOLU	0.427	0.408	0.444	0.366	0.431	0.427	0.445	0.498	0.431	8.65
91)	N-PROPYLBENZ	0.453	0.454	0.505	0.394	0.498	0.481	0.506	0.471	0.470	7.95
92)	4-ETHYLTOLUE	1.659	1.596	1.920	1.662	1.830	1.775	1.900	1.634	1.747	7.23
93)	1,3,5-TRIMET	1.383	1.353	1.618	1.566	1.541	1.507	1.601	1.580	1.519	6.55
94)	ALPHA-METHYL	0.657	0.684	0.794	0.735	0.753	0.735	0.777	0.653	0.724	7.38
95)	TERT-BUTYLBE	0.363	0.305	0.381	0.348	0.373	0.358	0.380	0.360	0.358	6.77
96)	1,2,4-TRIMET	1.468	1.375	1.658	1.229	1.568	1.533	1.628	1.424	1.485	9.56
97)	BENZYL CHLOR	0.583	0.594		0.484	0.767	0.881	1.087	0.597	0.713	29.64
98)	M-DICHLOROBE	0.964	1.043	1.077	1.040	1.050	0.994	1.063	1.044	1.034	3.58
99)	P-DICHLOROBE	1.047	0.949	1.081	0.946	1.034	0.994	1.069	1.031	1.019	5.01
100)	O-DICHLOROBE	0.856	0.886	1.014	0.892	0.943	0.921	0.992	0.902	0.926	5.90
101)	SEC-BUTYLBEN	0.416	0.476	0.471	0.483	0.452	0.432	0.471	0.379	0.447	8.09
102)	1,2,3-TRIMET	1.417	1.390	1.622	1.284	1.507	1.475	1.580	1.567	1.480	7.61
103)	P-ISOPROPYLT	0.451	0.427	0.519	0.451	0.480	0.473	0.516	0.479	0.475	6.76
104)	N-BUTYLBENZE	0.413	0.420	0.475	0.468	0.446	0.438	0.462	0.410	0.441	5.75

Initial Calibration Summary

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105)	HEXACHLOROET	0.537	0.555	0.735	0.668	0.595	0.610	0.682	0.548	0.616	11.67
106)	HEXACHLOROBU	0.660	0.639	0.740	0.807	0.634	0.626	0.682	0.759	0.693	9.70
107)	1,2,4-TRICHL	0.623	0.662	0.723	0.886	0.619	0.620	0.681	0.762	0.697	13.23
108)	NAPHTHALENE	1.391	1.505	1.478	1.650	1.237	1.240	1.360	1.636	1.437	11.11

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

M2W2424.M Wed Jul 28 11:13:14 2021 GCMS2W

Initial Calibration Verification

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2424-ICV2424
Lab FileID: 2W54663.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w54663.D
Acq On : 27 Jul 2021 4:24 pm
Operator : danat
Sample : icv2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 11:12:39 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	103	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.769	0.728	5.3	105	0.00
4	T	CHLORODIFLUOROMETHANE	0.488	0.476	2.5	101	0.00
5	T	CHLOROTRIFLUOROETHENE	2.178	2.159	0.9	108	0.00
6	T	DICHLORODIFLUOROMETHANE	4.616	4.442	3.8	101	0.00
7	T	PROPYLENE	0.862	0.773	10.3	105	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.935	3.936	-0.0	106	0.00
9	T	FREON 114	4.016	3.883	3.3	102	0.00
10	T	CHLOROMETHANE	0.314	0.284	9.6	100	0.00
11	T	VINYL CHLORIDE	1.249	1.172	6.2	106	0.00
12	t	1,3-BUTADIENE	0.834	0.830	0.5	103	0.00
13	T	N-BUTANE	1.596	1.473	7.7	102	0.00
14	T	BROMOMETHANE	1.376	1.270	7.7	103	0.00
15	T	CHLOROETHANE	0.670	0.633	5.5	102	0.00
16	T	DICHLOROFLUOROMETHANE	3.275	3.003	8.3	99	0.00
17	T	ACETONITRILE	0.893	0.767	14.1	103	0.00
18	T	ACROLEIN	0.558	0.329	41.0#	69	0.00
19	T	FREON 123	3.283	3.177	3.2	107	0.00
20	T	FREON 123A	2.094	2.266	-8.2	113	0.00
21	T	TRICHLOROFLUOROMETHANE	4.883	4.589	6.0	100	0.00
22	T	ISOPROPYL ALCOHOL	2.169	2.092	3.6	108	0.00
23	T	ACETONE	0.586	0.526	10.2	107	0.00
24	T	PENTANE	0.941	0.931	1.1	103	0.00
25	T	IODOMETHANE	3.920	3.827	2.4	103	0.00
26	T	1,1-DICHLOROETHYLENE	1.358	1.277	6.0	103	0.00
27	T	CARBON DISULFIDE	3.283	3.409	-3.8	111	0.00
28	T	ETHANOL	0.470	0.373	20.6	98	0.00
29	T	BROMOETHENE	1.420	1.352	4.8	106	0.00
30	T	ACRYLONITRILE	0.765	0.728	4.8	105	0.00
31	T	METHYLENE CHLORIDE	1.241	1.101	11.3	102	0.00
32	T	3-CHLOROPROPENE	0.579	0.560	3.3	101	0.00
33	T	FREON 113	2.725	2.633	3.4	104	0.00
34	T	TRANS-1,2-DICHLOROETHENE	1.392	1.390	0.1	108	0.00
35	T	TERTIARY BUTYL ALCOHOL	2.436	2.292	5.9	94	0.00
36	t	METHYL TERTIARY BUTYL ETHER	3.579	3.624	-1.3	104	0.00
37	T	TETRAHYDROFURAN	0.563	0.537	4.6	94	0.00
38	T	HEXANE	1.802	1.716	4.8	103	0.00

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39	T	VINYL ACETATE	0.333	0.329	1.2	108	0.00
40	T	1,1-DICHLOROETHANE	2.252	2.176	3.4	101	0.00
41	T	METHYL ETHYL KETONE	0.620	0.579	6.6	100	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.457	1.400	3.9	101	0.00
43	T	DIISOPROPYL ETHER	0.534	0.548	-2.6	102	0.00
44	T	ETHYL ACETATE	0.322	0.347	-7.8	109	0.00
45	T	METHYL ACRYLATE	2.233	2.217	0.7	105	0.00
46	T	CHLOROFORM	3.423	3.261	4.7	102	0.00
47	T	2,4-DIMETHYLPENTANE	2.113	2.028	4.0	101	0.00
48	T	1,1,1-TRICHLOROETHANE	3.701	3.625	2.1	105	0.00
49	T	CARBON TETRACHLORIDE	4.106	3.929	4.3	100	0.00
50	T	1,2-DICHLOROETHANE	2.357	2.258	4.2	99	0.00
51	t	BENZENE	4.090	3.910	4.4	103	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00
53	T	CYCLOHEXANE	0.370	0.361	2.4	104	0.00
54	T	2,3-DIMETHYLPENTANE	0.175	0.172	1.7	99	0.00
55	T	TRICHLOROETHENE	0.421	0.413	1.9	103	0.00
56	T	1,2-DICHLOROPROPANE	0.281	0.263	6.4	101	0.00
57	T	DIBROMOMETHANE	0.466	0.444	4.7	105	0.00
58	T	ETHYL ACRYLATE	0.536	0.568	-6.0	105	0.00
59	T	BROMODICHLOROMETHANE	0.776	0.743	4.3	100	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.171	1.115	4.8	102	0.00
61	T	1,4-DIOXANE	0.200	0.177	11.5	96	0.00
62	T	HEPTANE	0.379	0.370	2.4	102	0.00
63	T	METHYL METHACRYLATE	0.289	0.294	-1.7	100	0.00
64	T	METHYL ISOBUTYL KETONE	0.227	0.216	4.8	101	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.469	0.498	-6.2	109	0.00
66	T	TOLUENE	1.065	1.034	2.9	103	0.00
67	T	1,3-DICHLOROPROPANE	0.518	0.487	6.0	102	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.427	0.443	-3.7	103	0.00
69	T	1,1,2-TRICHLOROETHANE	0.300	0.290	3.3	103	0.00
70	T	2-HEXANONE	0.296	0.284	4.1	102	0.00
71	T	ETHYL METHACRYLATE	0.451	0.498	-10.4	105	0.00
72	T	TETRACHLOROETHENE	0.472	0.488	-3.4	107	0.00
73	T	DIBROMOCHLOROMETHANE	0.779	0.762	2.2	100	0.00
74	T	1,2-DIBROMOETHANE	0.582	0.580	0.3	102	0.00
75	T	OCTANE	0.534	0.504	5.6	101	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.619	0.600	3.1	102	0.00
78	T	CHLOROBENZENE	1.033	0.964	6.7	100	0.00
79	t	ETHYLBENZENE	1.651	1.626	1.5	103	0.00
80	t	M,P-XYLENE	1.276	1.270	0.5	101	0.00
81	t	O-XYLENE	1.322	1.270	3.9	101	0.00
82	T	STYRENE	0.923	0.938	-1.6	100	0.00
83	T	NONANE	0.651	0.615	5.5	103	0.00
84	T	BROMOFORM	0.842	0.808	4.0	92	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.804	0.772	4.0	99	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.704	0.633	10.1	99	0.00
87	S	4-BROMOFLUOROBENZENE	0.703	0.705	-0.3	103	0.00
88	T	ISOPROPYLBENZENE	0.485	0.474	2.3	101	0.00
89	T	BROMOBENZENE	0.859	0.808	5.9	99	0.00
90	T	2-CHLOROTOLUENE	0.431	0.428	0.7	102	0.00
91	T	N-PROPYLBENZENE	0.470	0.482	-2.6	102	0.00
92	T	4-ETHYLTOLUENE	1.747	1.800	-3.0	103	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.519	1.519	0.0	103	0.00
94	T	ALPHA-METHYLSTYRENE	0.724	0.715	1.2	99	0.00
95	T	TERT-BUTYLBENZENE	0.358	0.362	-1.1	103	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.485	1.519	-2.3	101	0.00

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97	T	BENZYL CHLORIDE	0.713	0.757	-6.2	88	0.00
98	T	M-DICHLOROBENZENE	1.034	0.961	7.1	98	0.00
99	T	P-DICHLOROBENZENE	1.019	0.970	4.8	99	0.00
100	T	O-DICHLOROBENZENE	0.926	0.887	4.2	98	0.00
101	T	SEC-BUTYLBENZENE	0.447	0.439	1.8	104	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.480	1.431	3.3	99	0.00
103	T	P-ISOPROPYLTOLUENE	0.475	0.476	-0.2	102	0.00
104	T	N-BUTYLBENZENE	0.441	0.439	0.5	102	0.00
105	T	HEXACHLOROETHANE	0.616	0.570	7.5	95	0.00
106	T	HEXACHLOROBUTADIENE	0.693	0.685	1.2	111	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.697	0.585	16.1	96	0.00
108	T	NAPHTHALENE	1.437	1.145	20.3	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2424.M Wed Jul 28 11:12:55 2021 GCMS2W

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2425-CC2424
Lab FileID: 2W54667.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w54667.D
Acq On : 28 Jul 2021 8:47 am
Operator : thomash
Sample : cc2424-10
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:02 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	106	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.769	0.748	2.7	110	0.00
4	T	CHLORODIFLUOROMETHANE	0.488	0.480	1.6	104	0.00
5	T	CHLOROTRIFLUOROETHENE	2.178	2.084	4.3	107	0.00
6	T	DICHLORODIFLUOROMETHANE	4.616	4.661	-1.0	109	0.00
7	T	PROPYLENE	0.862	0.765	11.3	107	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.935	3.848	2.2	106	0.00
9	T	FREON 114	4.016	4.035	-0.5	108	0.00
10	T	CHLOROMETHANE	0.314	0.301	4.1	109	0.00
11	T	VINYL CHLORIDE	1.249	1.187	5.0	110	0.00
12	t	1,3-BUTADIENE	0.834	0.835	-0.1	106	0.00
13	T	N-BUTANE	1.596	1.527	4.3	109	0.00
14	T	BROMOMETHANE	1.376	1.336	2.9	111	0.00
15	T	CHLOROETHANE	0.670	0.665	0.7	110	0.00
16	T	DICHLOROFLUOROMETHANE	3.275	3.208	2.0	108	0.00
17	T	ACETONITRILE	0.893	0.834	6.6	114	0.00
18	T	ACROLEIN	0.558	0.496	11.1	108	0.00
19	T	FREON 123	3.283	3.094	5.8	107	0.00
20	T	FREON 123A	2.094	2.074	1.0	106	0.00
21	T	TRICHLOROFLUOROMETHANE	4.883	4.832	1.0	108	0.00
22	T	ISOPROPYL ALCOHOL	2.169	2.072	4.5	110	0.00
23	T	ACETONE	0.586	0.505	13.8	105	0.00
24	T	PENTANE	0.941	0.953	-1.3	108	0.00
25	T	IODOMETHANE	3.920	3.840	2.0	106	0.00
26	T	1,1-DICHLOROETHYLENE	1.358	1.317	3.0	109	0.00
27	T	CARBON DISULFIDE	3.283	3.213	2.1	108	0.00
28	T	ETHANOL	0.470	0.419	10.9	113	0.00
29	T	BROMOETHENE	1.420	1.351	4.9	108	0.00
30	T	ACRYLONITRILE	0.765	0.751	1.8	111	0.00
31	T	METHYLENE CHLORIDE	1.241	1.114	10.2	106	0.00
32	T	3-CHLOROPROPENE	0.579	0.576	0.5	106	0.00
33	T	FREON 113	2.725	2.642	3.0	107	0.00
34	T	TRANS-1,2-DICHLOROETHENE	1.392	1.379	0.9	110	0.00
35	T	TERTIARY BUTYL ALCOHOL	2.436	2.586	-6.2	108	0.00
36	t	METHYL TERTIARY BUTYL ETHER	3.579	3.720	-3.9	110	0.00
37	T	TETRAHYDROFURAN	0.563	0.613	-8.9	110	0.00
38	T	HEXANE	1.802	1.749	2.9	108	0.00

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2425-CC2424
Lab FileID: 2W54667.D

39	T	VINYL ACETATE	0.333	0.338	-1.5	113	0.00
40	T	1,1-DICHLOROETHANE	2.252	2.223	1.3	106	0.00
41	T	METHYL ETHYL KETONE	0.620	0.634	-2.3	112	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.457	1.474	-1.2	110	0.00
43	T	DIISOPROPYL ETHER	0.534	0.563	-5.4	108	0.00
44	T	ETHYL ACETATE	0.322	0.347	-7.8	112	0.00
45	T	METHYL ACRYLATE	2.233	2.267	-1.5	111	0.00
46	T	CHLOROFORM	3.423	3.305	3.4	106	0.00
47	T	2,4-DIMETHYLPENTANE	2.113	2.099	0.7	107	0.00
48	T	1,1,1-TRICHLOROETHANE	3.701	3.699	0.1	110	0.00
49	T	CARBON TETRACHLORIDE	4.106	4.050	1.4	106	0.00
50	T	1,2-DICHLOROETHANE	2.357	2.346	0.5	106	0.00
51	t	BENZENE	4.090	4.017	1.8	109	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	111	0.00
53	T	CYCLOHEXANE	0.370	0.349	5.7	110	0.00
54	T	2,3-DIMETHYLPENTANE	0.175	0.170	2.9	107	0.00
55	T	TRICHLOROETHENE	0.421	0.402	4.5	109	0.00
56	T	1,2-DICHLOROPROPANE	0.281	0.258	8.2	108	0.00
57	T	DIBROMOMETHANE	0.466	0.416	10.7	106	0.00
58	T	ETHYL ACRYLATE	0.536	0.547	-2.1	110	0.00
59	T	BROMODICHLOROMETHANE	0.776	0.730	5.9	107	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.171	1.088	7.1	108	0.00
61	T	1,4-DIOXANE	0.200	0.178	11.0	105	0.00
62	T	HEPTANE	0.379	0.356	6.1	106	0.00
63	T	METHYL METHACRYLATE	0.289	0.292	-1.0	108	0.00
64	T	METHYL ISOBUTYL KETONE	0.227	0.216	4.8	110	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.469	0.460	1.9	110	0.00
66	T	TOLUENE	1.065	0.989	7.1	106	0.00
67	T	1,3-DICHLOROPROPANE	0.518	0.470	9.3	106	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.427	0.432	-1.2	109	0.00
69	T	1,1,2-TRICHLOROETHANE	0.300	0.280	6.7	108	0.00
70	T	2-HEXANONE	0.296	0.278	6.1	108	0.00
71	T	ETHYL METHACRYLATE	0.451	0.460	-2.0	105	0.00
72	T	TETRACHLOROETHENE	0.472	0.437	7.4	105	0.00
73	T	DIBROMOCHLOROMETHANE	0.779	0.752	3.5	107	0.00
74	T	1,2-DIBROMOETHANE	0.582	0.558	4.1	106	0.00
75	T	OCTANE	0.534	0.488	8.6	107	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	117	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.619	0.545	12.0	106	0.00
78	T	CHLOROBENZENE	1.033	0.872	15.6	104	0.00
79	t	ETHYLBENZENE	1.651	1.457	11.8	106	0.00
80	t	M,P-XYLENE	1.276	1.147	10.1	105	0.00
81	t	O-XYLENE	1.322	1.156	12.6	105	0.00
82	T	STYRENE	0.923	0.868	6.0	106	0.00
83	T	NONANE	0.651	0.557	14.4	107	0.00
84	T	BROMOFORM	0.842	0.812	3.6	106	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.804	0.716	10.9	105	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.704	0.589	16.3	106	0.00
87	S	4-BROMOFLUOROBENZENE	0.703	0.717	-2.0	120	0.00
88	T	ISOPROPYLBENZENE	0.485	0.422	13.0	103	0.00
89	T	BROMOBENZENE	0.859	0.757	11.9	106	0.00
90	T	2-CHLOROTOLUENE	0.431	0.383	11.1	105	0.00
91	T	N-PROPYLBENZENE	0.470	0.440	6.4	107	0.00
92	T	4-ETHYLTOLUENE	1.747	1.612	7.7	106	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.519	1.370	9.8	106	0.00
94	T	ALPHA-METHYLSTYRENE	0.724	0.661	8.7	105	0.00
95	T	TERT-BUTYLBENZENE	0.358	0.324	9.5	106	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.485	1.366	8.0	104	0.00

Continuing Calibration Summary

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2W2425-CC2424
Lab FileID: 2W54667.D

97	T	BENZYL CHLORIDE	0.713	0.858	-20.3	113	0.00
98	T	M-DICHLOROBENZENE	1.034	0.907	12.3	106	0.00
99	T	P-DICHLOROBENZENE	1.019	0.911	10.6	107	0.00
100	T	O-DICHLOROBENZENE	0.926	0.842	9.1	107	0.00
101	T	SEC-BUTYLBENZENE	0.447	0.396	11.4	107	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.480	1.329	10.2	105	0.00
103	T	P-ISOPROPYLTOLUENE	0.475	0.420	11.6	104	0.00
104	T	N-BUTYLBENZENE	0.441	0.384	12.9	102	0.00
105	T	HEXACHLOROETHANE	0.616	0.564	8.4	108	0.00
106	T	HEXACHLOROBUTADIENE	0.693	0.567	18.2	105	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.697	0.583	16.4	110	0.00
108	T	NAPHTHALENE	1.437	1.213	15.6	114	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2424.M Wed Jul 28 13:52:22 2021 GCMS2W

Run Sequence Report

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2W2318 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2318-BFB	2W52193.D	03/05/21 10:43	n/a	BFB Tune
V2W2318-ICC2318	2W52194.D	03/05/21 11:14	n/a	Initial cal 10
V2W2318-IC2318	2W52198.D	03/05/21 13:53	n/a	Initial cal 0.5
V2W2318-IC2318	2W52199.D	03/05/21 14:24	n/a	Initial cal 0.2
V2W2318-IC2318	2W52200.D	03/05/21 14:56	n/a	Initial cal 0.1
V2W2318-IC2318	2W52201.D	03/05/21 15:27	n/a	Initial cal 0.04
V2W2318-IC2318	2W52202.D	03/05/21 15:58	n/a	Initial cal 5
V2W2318-IC2318	2W52203.D	03/05/21 16:31	n/a	Initial cal 20
V2W2318-IC2318	2W52204.D	03/05/21 17:05	n/a	Initial cal 40
V2W2318-ICV2318	2W52206.D	03/05/21 18:07	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2W2397	**Method:** TO-15	**Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2397-BFB	2W54058.D	06/17/21 06:54	n/a	BFB Tune
V2W2397-CC2318	2W54059.D	06/17/21 07:41	n/a	Continuing cal 10
V2W2397-BS	2W54060.D	06/17/21 08:28	n/a	Blank Spike
V2W2397-BSD	2W54061.D	06/17/21 09:14	n/a	Blank Spike Duplicate
V2W2397-MB	2W54064.D	06/17/21 11:45	n/a	Method Blank
ZZZZZZ	2W54066.D	06/17/21 13:48	n/a	(unrelated sample)
ZZZZZZ	2W54067.D	06/17/21 14:19	n/a	(unrelated sample)
JD26591-1	2W54070.D	06/17/21 15:54	n/a	(used for QC only; not part of job JD28639)
JD26591-1DUP	2W54071.D	06/17/21 16:25	n/a	Duplicate
ZZZZZZ	2W54072.D	06/17/21 16:56	n/a	(unrelated sample)
ZZZZZZ	2W54073.D	06/17/21 17:27	n/a	(unrelated sample)
ZZZZZZ	2W54074.D	06/17/21 18:00	n/a	(unrelated sample)
V2W2397-SCC	2W54076.D	06/17/21 19:05	n/a	Summa Cleaning Certification
V2W2397-SCC	2W54077.D	06/17/21 19:37	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2W2424	**Method:** TO-15	**Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2424-BFB	2W54653.D	07/27/21 11:06	n/a	BFB Tune
V2W2424-IC2424	2W54654.D	07/27/21 11:38	n/a	Initial cal 0.5
V2W2424-IC2424	2W54655.D	07/27/21 12:10	n/a	Initial cal 0.2
V2W2424-IC2424	2W54656.D	07/27/21 12:41	n/a	Initial cal 0.1
V2W2424-IC2424	2W54657.D	07/27/21 13:13	n/a	Initial cal 0.04
V2W2424-IC2424	2W54658.D	07/27/21 13:44	n/a	Initial cal 5
V2W2424-ICC2424	2W54659.D	07/27/21 14:15	n/a	Initial cal 10
V2W2424-IC2424	2W54660.D	07/27/21 14:47	n/a	Initial cal 20
V2W2424-IC2424	2W54661.D	07/27/21 15:21	n/a	Initial cal 40
V2W2424-ICV2424	2W54663.D	07/27/21 16:24	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD28639
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2W2425	**Method:** TO-15	**Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2425-BFB	2W54665.D	07/28/21 07:02	n/a	BFB Tune
V2W2425-CC2424	2W54667.D	07/28/21 08:47	n/a	Continuing cal 10
V2W2425-BS	2W54668.D	07/28/21 09:28	n/a	Blank Spike
V2W2425-BSD	2W54669.D	07/28/21 10:00	n/a	Blank Spike Duplicate
V2W2425-MB	2W54671.D	07/28/21 11:19	n/a	Method Blank
JD28968-1	2W54675.D	07/28/21 13:47	n/a	(used for QC only; not part of job JD28639)
JD28968-1DUP	2W54676.D	07/28/21 14:27	n/a	Duplicate
ZZZZZZ	2W54677.D	07/28/21 14:59	n/a	(unrelated sample)
ZZZZZZ	2W54678.D	07/28/21 15:30	n/a	(unrelated sample)
ZZZZZZ	2W54679.D	07/28/21 16:01	n/a	(unrelated sample)
ZZZZZZ	2W54680.D	07/28/21 16:32	n/a	(unrelated sample)
JD28639-1	2W54681.D	07/28/21 17:04	n/a	STACK071621
ZZZZZZ	2W54682.D	07/28/21 17:40	n/a	(unrelated sample)
V2W2425-SCC	2W54685.D	07/28/21 19:19	n/a	Summa Cleaning Certification

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54681.D
Acq On : 28 Jul 2021 5:04 pm
Operator : thomash
Sample : jd28639-1
Misc : MS52447,V2w2425,200,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 08:16:25 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

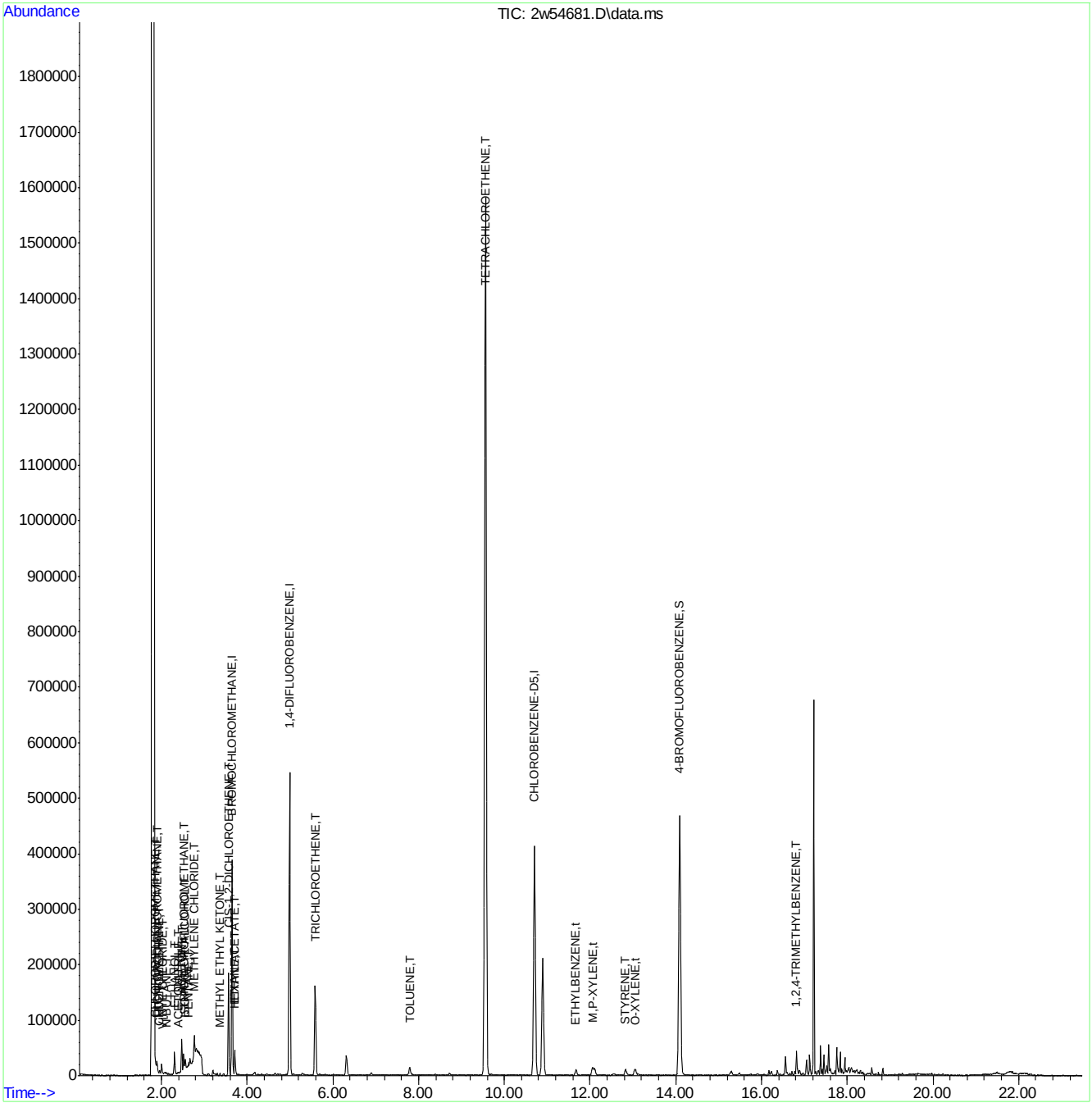
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	84163	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.991	114	423976	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	376601	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	265765	10.04	PPBV		0.00
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	1.862	67	776	0.19	PPBV	#	81
6) DICHLORODIFLUOROMETHANE	1.901	85	9052	0.23	PPBV	#	92
10) CHLOROMETHANE	1.952	52	488	0.18	PPBV		96
11) VINYL CHLORIDE	2.042	62	387	0.04	PPBV	#	93
13) N-BUTANE	2.113	43	1990	0.15	PPBV	#	89
17) ACETONITRILE	2.393	41	828	0.11	PPBV	#	65
21) TRICHLOROFLUOROMETHANE	2.524	101	16289	0.40	PPBV		99
22) ISOPROPYL ALCOHOL	2.547	45	9826	0.54	PPBV	#	94
23) ACETONE	2.476	58	11210	2.27	PPBV		84
24) PENTANE	2.634	42	1361	0.17	PPBV	#	70
28) ETHANOL	2.303	45	30207	7.64	PPBV		99
31) METHYLENE CHLORIDE	2.762	84	15288	1.46	PPBV		99
38) HEXANE	3.704	57	3833	0.25	PPBV		86
41) METHYL ETHYL KETONE	3.367	72	1341	0.26	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.569	96	61258	5.00	PPBV		98
44) ETHYL ACETATE	3.711	61	4624	1.71	PPBV	#	1
55) TRICHLOROETHENE	5.589	95	56238	3.15	PPBV		99
66) TOLUENE	7.801	91	14008	0.31	PPBV		100
72) TETRACHLOROETHENE	9.560	164	563671	28.17	PPBV		98
79) ETHYLBENZENE	11.669	91	11371	0.18	PPBV		99
80) M,P-XYLENE	12.061	91	15126	0.31	PPBV	#	71
81) O-XYLENE	13.048	91	9554	0.19	PPBV	#	87
82) STYRENE	12.823	104	9438	0.27	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.816	105	17403	0.31	PPBV	#	33

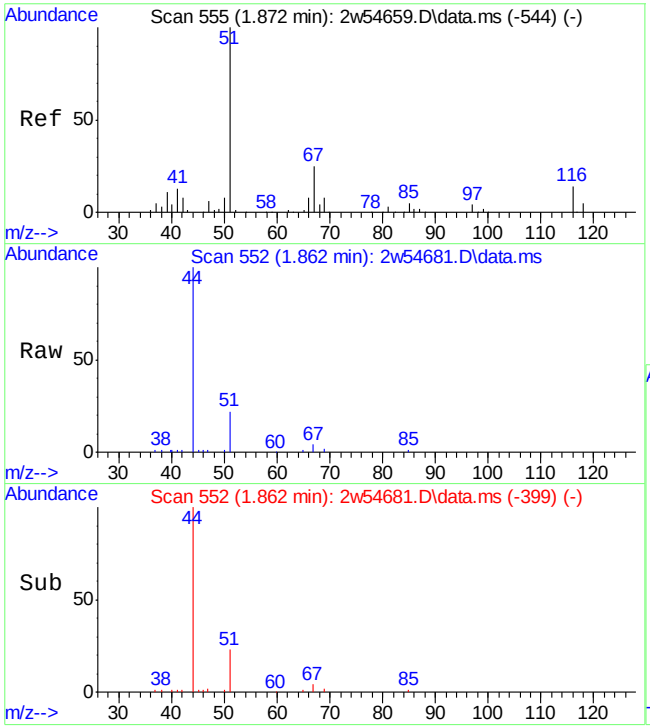
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54681.D
Acq On : 28 Jul 2021 5:04 pm
Operator : thomash
Sample : jd28639-1
Misc : MS52447,V2w2425,200,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 08:16:25 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

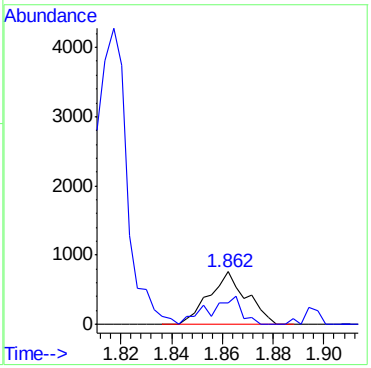


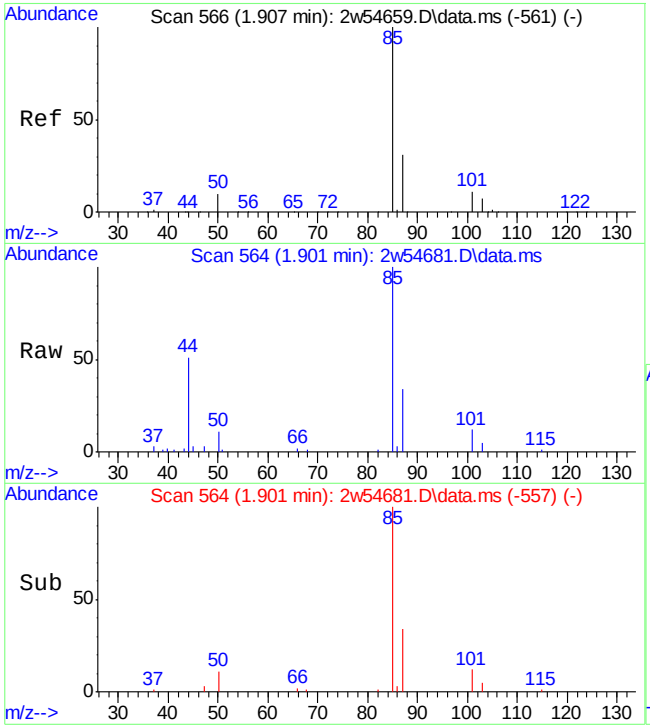


#4
CHLORODIFLUOROMETHANE
Concen: 0.19 PPBV
RT: 1.862 min Scan# 552
Delta R.T. -0.010 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 67 Resp: 776

Ion	Ratio	Lower	Upper
67	100		
69	45.5	27.4	41.2#

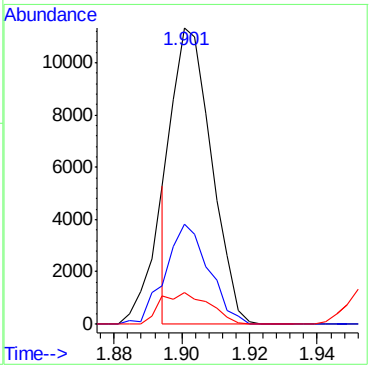


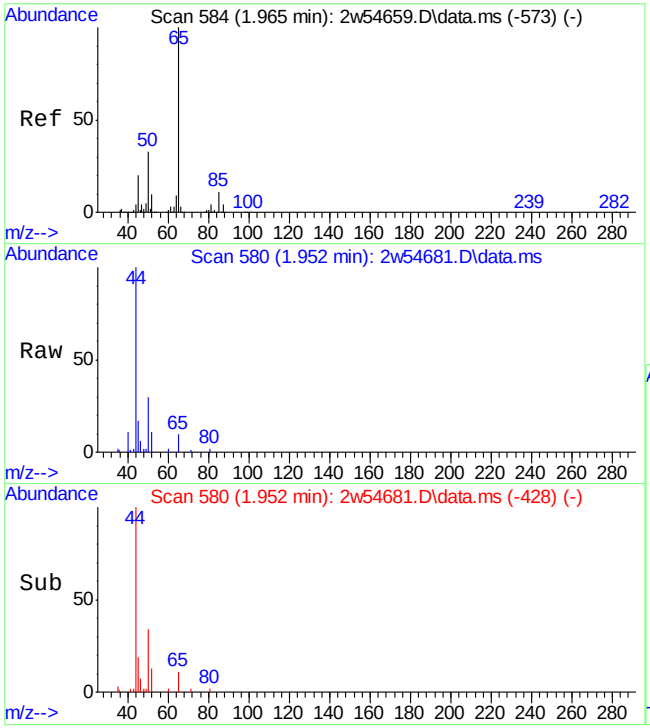


#6
DICHLORODIFLUOROMETHANE
Concen: 0.23 PPBV
RT: 1.901 min Scan# 564
Delta R.T. -0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 85 Resp: 9052

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.6	38.4
50	0.0	9.2	13.8#

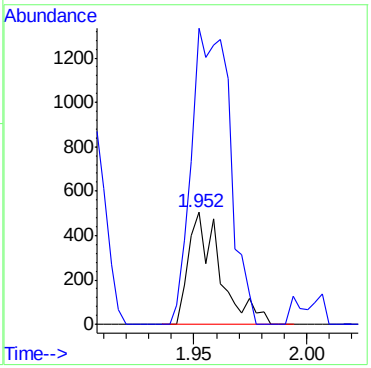


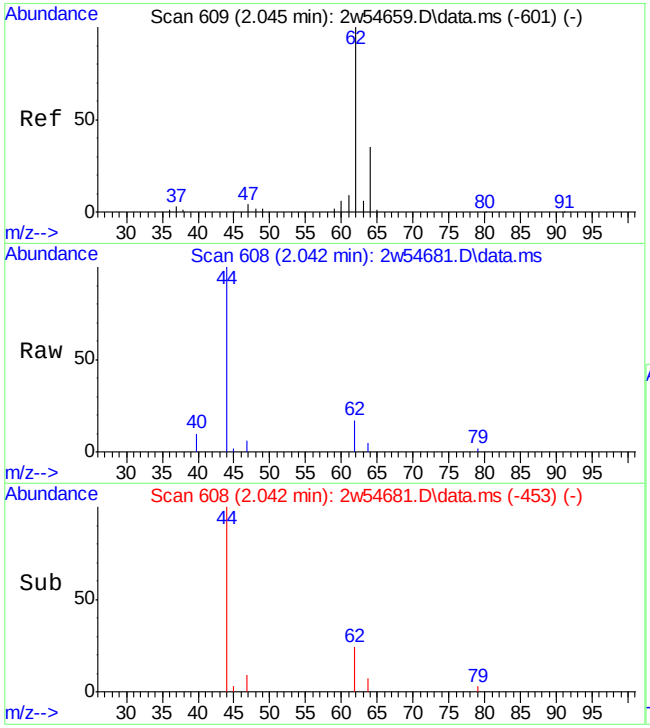


#10
CHLOROMETHANE
Concen: 0.18 PPBV
RT: 1.952 min Scan# 580
Delta R.T. -0.013 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 52 Resp: 488

Ion	Ratio	Lower	Upper
52	100		
50	323.4	253.0	379.4

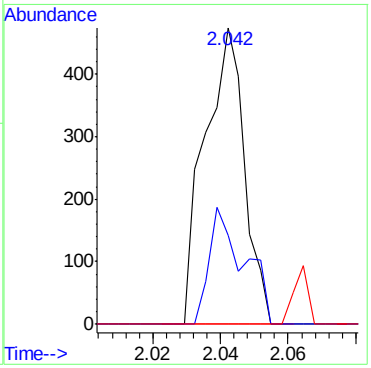


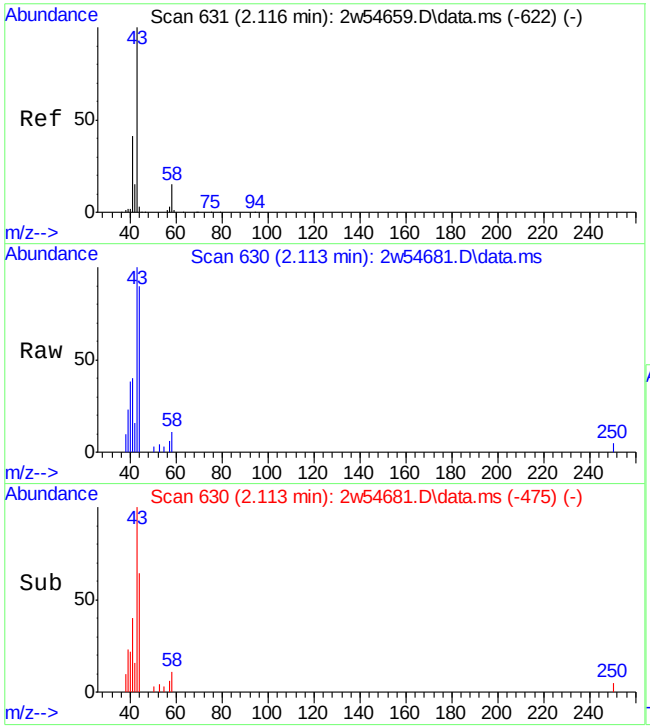


#11
VINYL CHLORIDE
Concen: 0.04 PPBV
RT: 2.042 min Scan# 608
Delta R.T. -0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 62 Resp: 387

Ion	Ratio	Lower	Upper
62	100		
64	34.4	26.5	39.7
61	0.0	7.3	10.9#

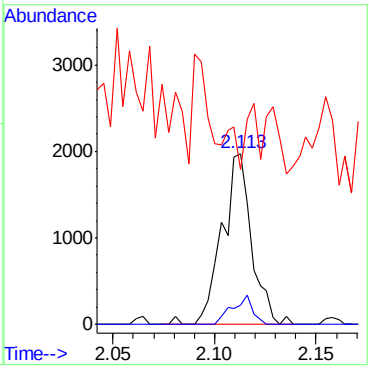


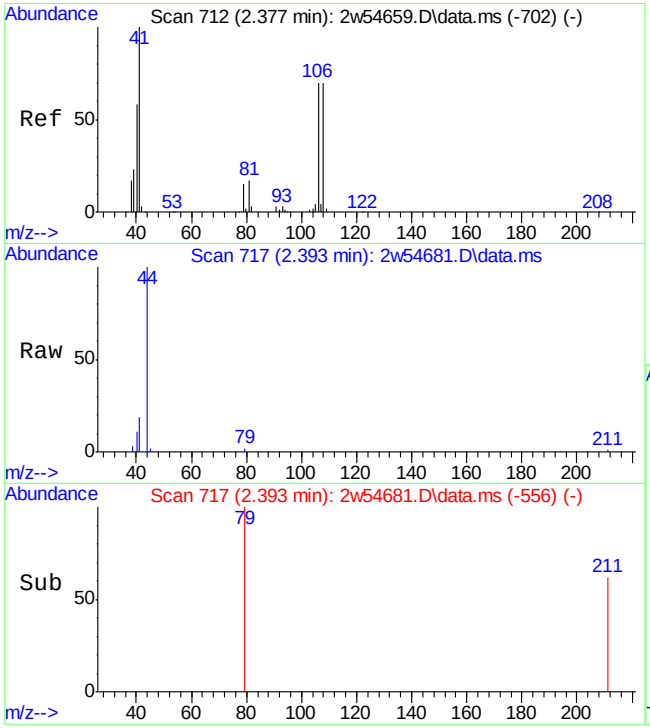


#13
N-BUTANE
Concen: 0.15 PPBV
RT: 2.113 min Scan# 630
Delta R.T. -0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 43 Resp: 1990

Ion	Ratio	Lower	Upper
43	100		
58	11.8	12.8	19.2#
44	0.0	3.9	5.9#

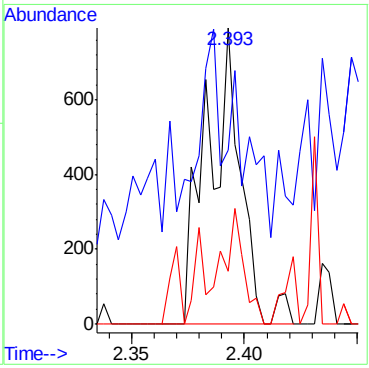


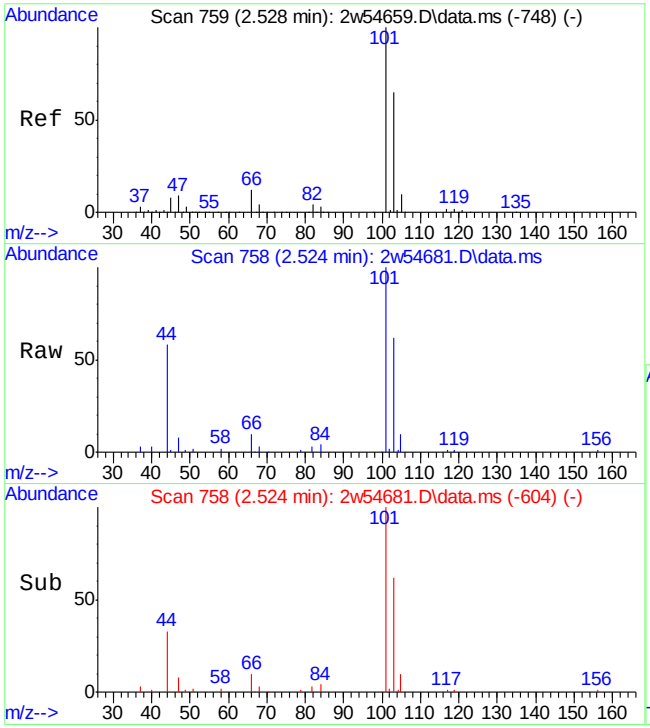


#17
ACETONITRILE
Concen: 0.11 PPBV
RT: 2.393 min Scan# 717
Delta R.T. 0.016 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 41 Resp: 828

Ion	Ratio	Lower	Upper
41	100		
40	87.9	45.6	68.4#
39	32.5	18.6	28.0#

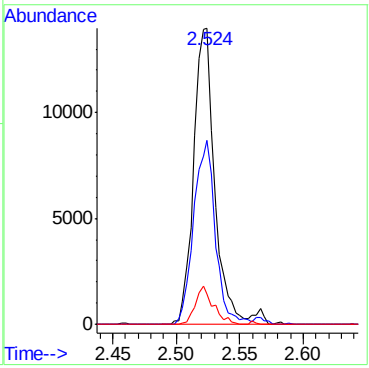


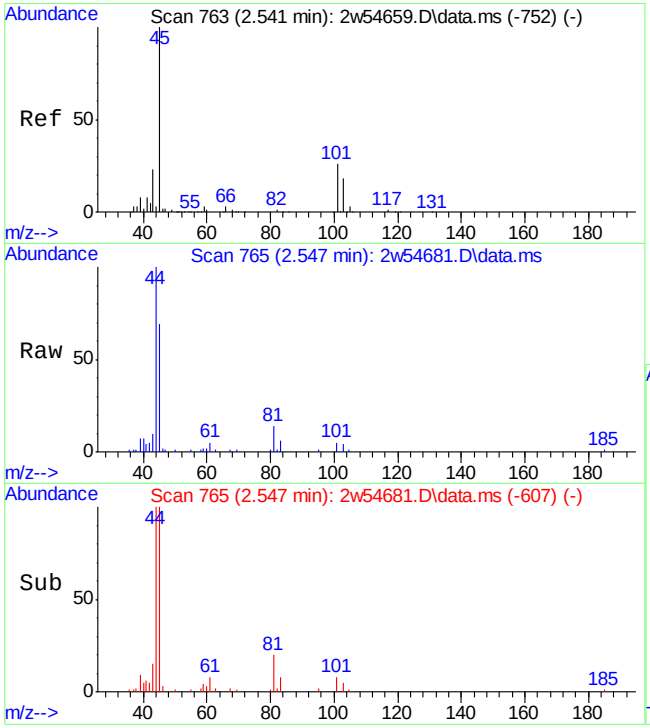


#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 2.524 min Scan# 758
Delta R.T. -0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion:101 Resp: 16289

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.5	77.3
105	11.0	8.4	12.6

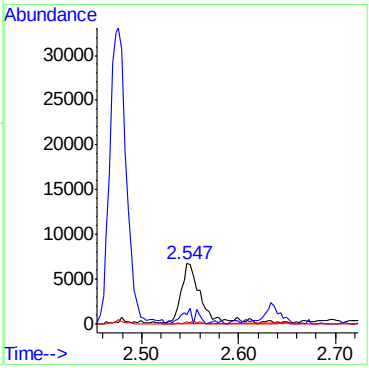


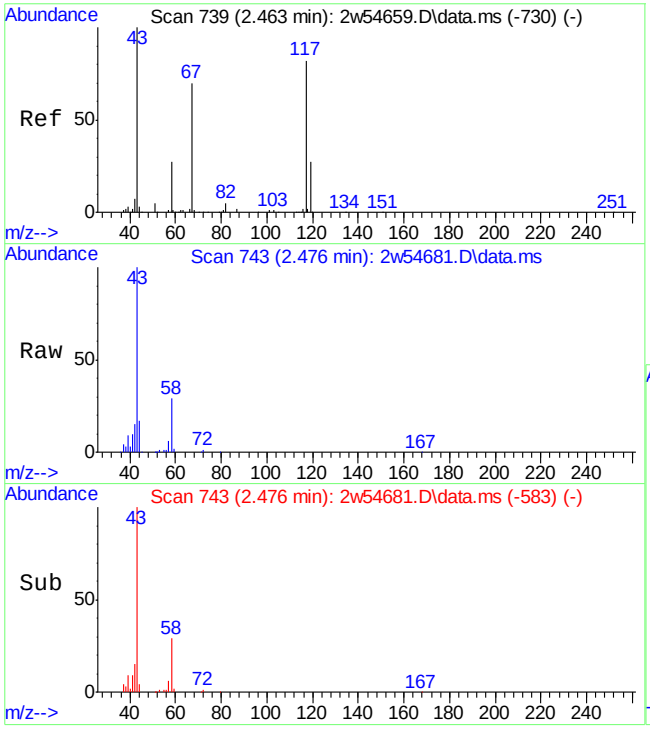


#22
ISOPROPYL ALCOHOL
Concen: 0.54 PPBV
RT: 2.547 min Scan# 765
Delta R.T. 0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 45 Resp: 9826

Ion	Ratio	Lower	Upper
45	100		
43	20.8	19.1	28.7
59	3.0	3.0	4.6#

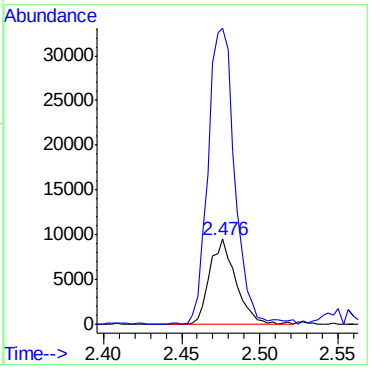


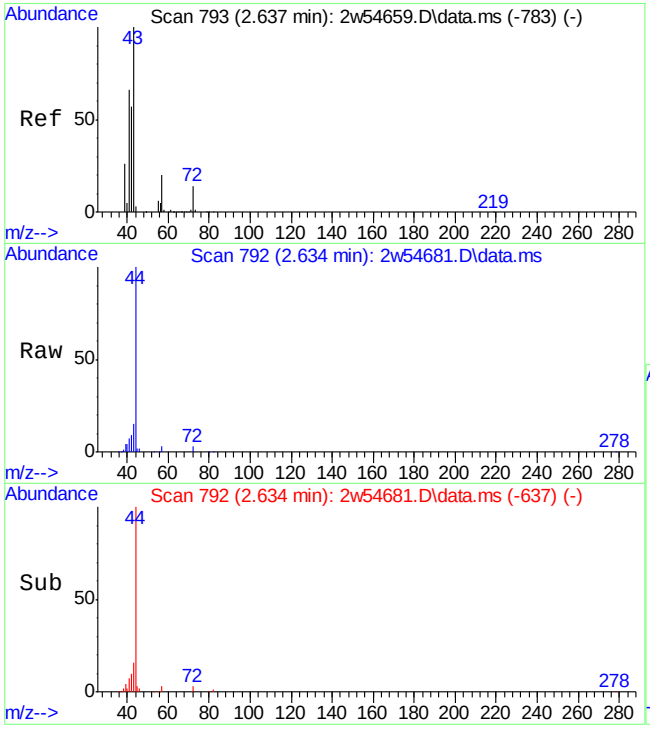


#23
ACETONE
Concen: 2.27 PPBV
RT: 2.476 min Scan# 743
Delta R.T. 0.013 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 58 Resp: 11210

Ion	Ratio	Lower	Upper
58	100		
43	355.4	314.2	471.2

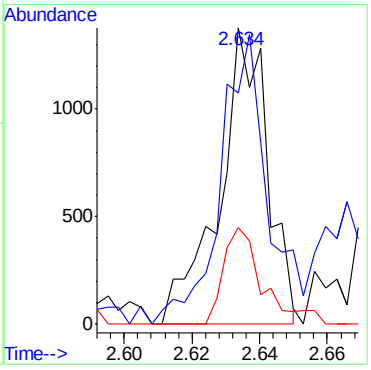


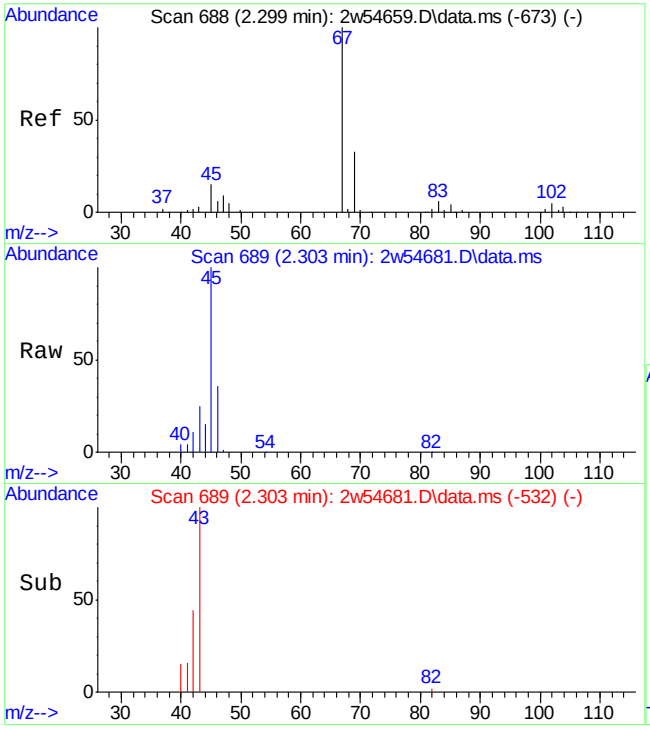


#24
PENTANE
Concen: 0.17 PPBV
RT: 2.634 min Scan# 792
Delta R.T. -0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 42 Resp: 1361

Ion	Ratio	Lower	Upper
42	100		
41	148.7	88.7	133.1#
57	26.4	25.9	38.9

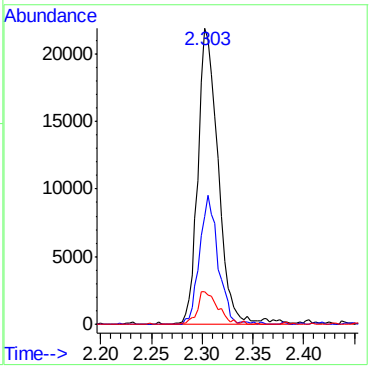


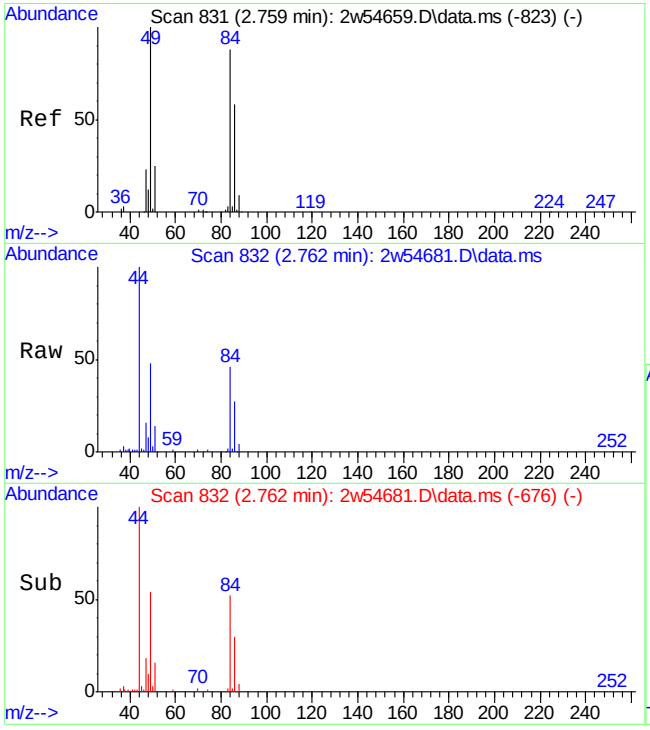


#28
ETHANOL
Concen: 7.64 PPBV
RT: 2.303 min Scan# 689
Delta R.T. 0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 45 Resp: 30207

Ion	Ratio	Lower	Upper
45	100		
46	39.7	31.9	47.9
42	11.2	9.4	14.2

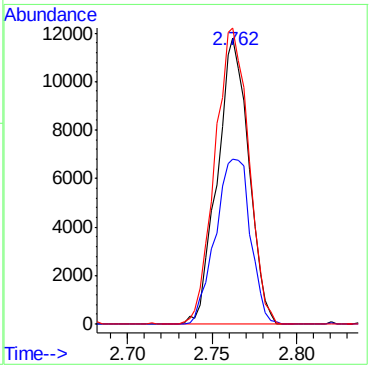


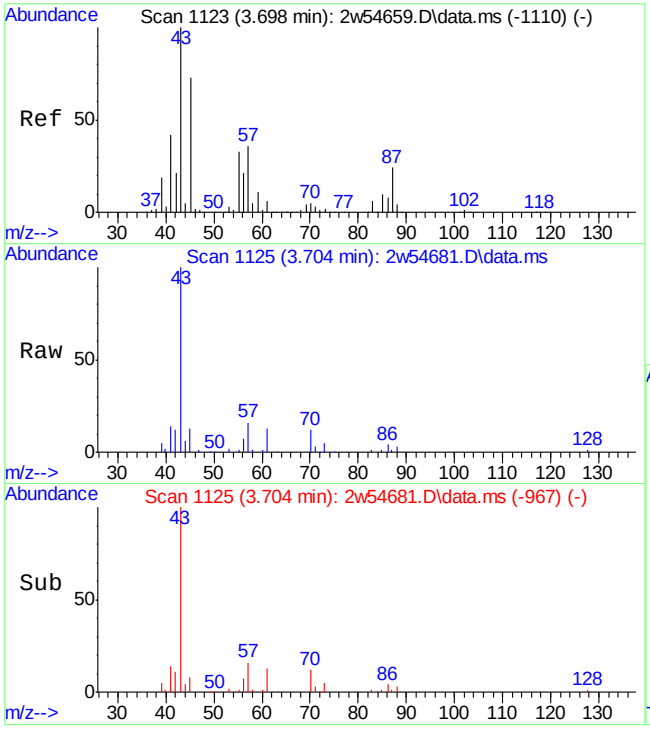


#31
METHYLENE CHLORIDE
Concen: 1.46 PPBV
RT: 2.762 min Scan# 832
Delta R.T. 0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 84 Resp: 15288

Ion	Ratio	Lower	Upper
84	100		
86	63.9	51.8	77.6
49	110.4	89.7	134.5

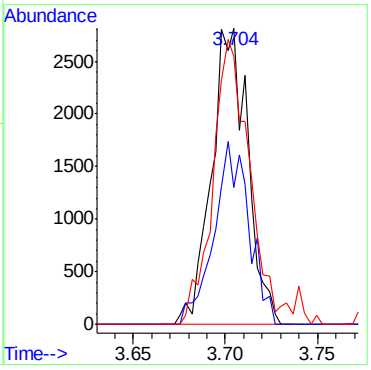


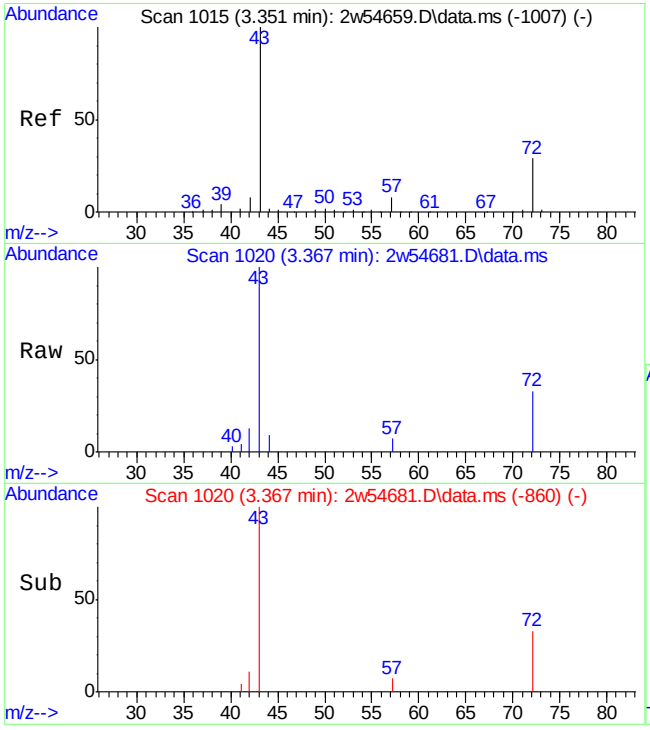


#38
HEXANE
Concen: 0.25 PPBV
RT: 3.704 min Scan# 1125
Delta R.T. 0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 57 Resp: 3833

Ion	Ratio	Lower	Upper
57	100		
56	59.9	44.6	66.8
41	100.6	96.2	144.4

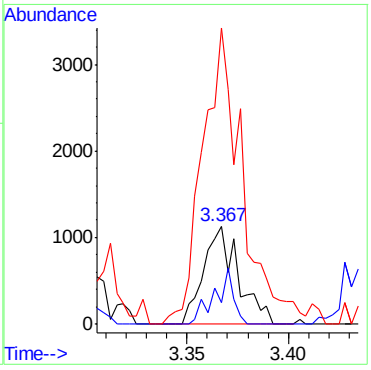


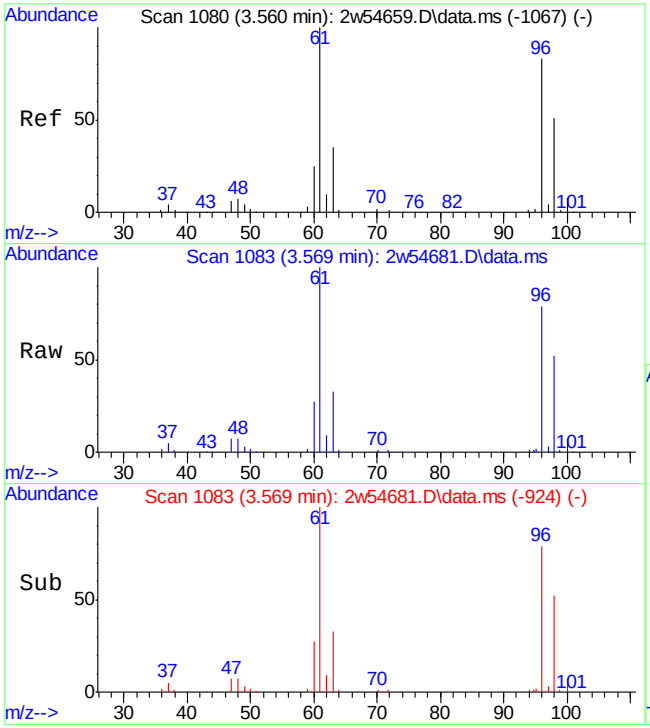


#41
METHYL ETHYL KETONE
Concen: 0.26 PPBV
RT: 3.367 min Scan# 1020
Delta R.T. 0.016 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 72 Resp: 1341

Ion	Ratio	Lower	Upper
72	100		
57	31.1	24.8	37.2
43	350.6	284.0	426.0

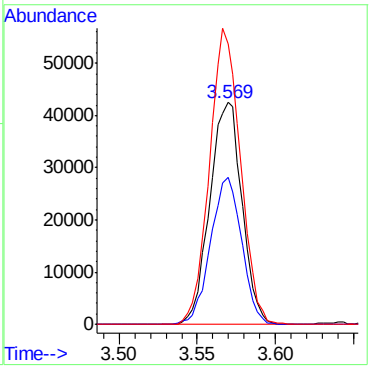


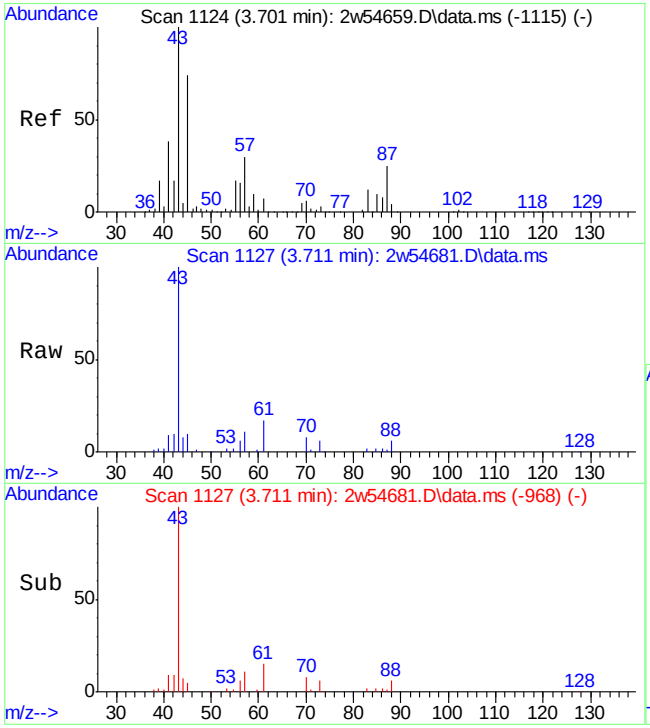


#42
CIS-1,2-DICHLOROETHENE
Concen: 5.00 PPBV
RT: 3.569 min Scan# 1083
Delta R.T. 0.010 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 96 Resp: 61258

Ion	Ratio	Lower	Upper
96	100		
98	64.2	52.5	78.7
61	128.0	100.4	150.6

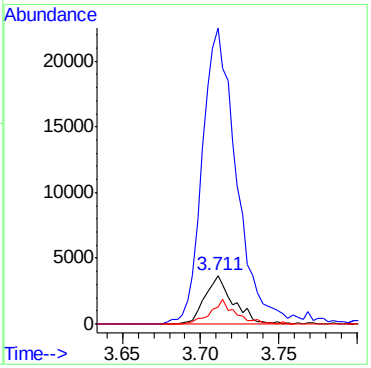


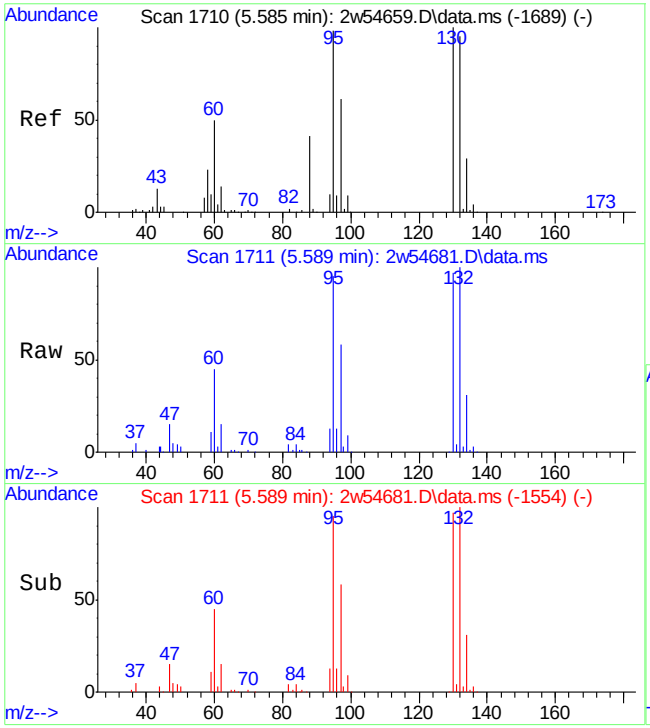


#44
ETHYL ACETATE
Concen: 1.71 PPBV
RT: 3.711 min Scan# 1127
Delta R.T. 0.010 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 61 Resp: 4624

Ion	Ratio	Lower	Upper
61	100		
43	769.8	1246.0	1869.0#
88	44.9	45.6	68.4#

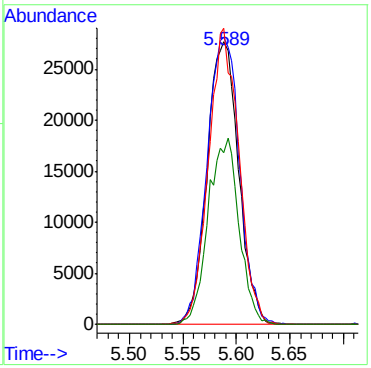


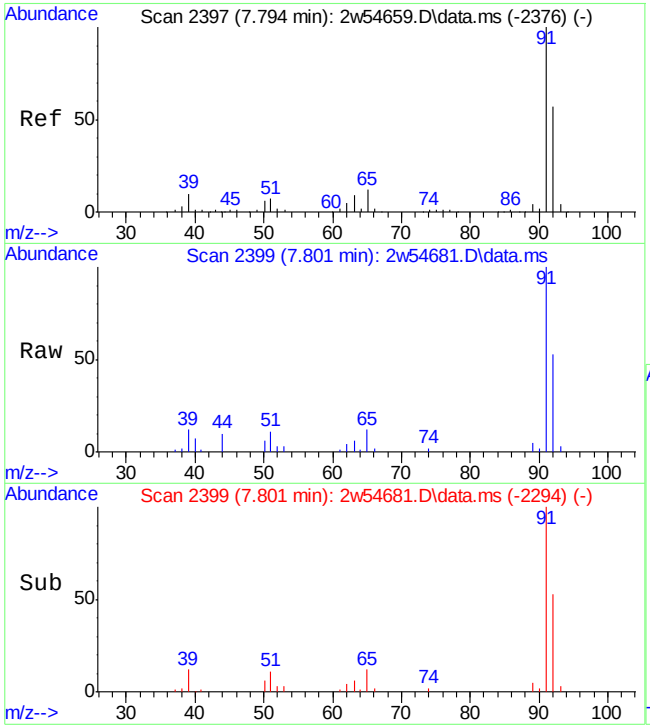


#55
TRICHLOROETHENE
Concen: 3.15 PPBV
RT: 5.589 min Scan# 1711
Delta R.T. 0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 95 Resp: 56238

Ion	Ratio	Lower	Upper
95	100		
130	105.1	84.4	126.6
132	100.3	81.0	121.6
97	64.3	52.0	78.0

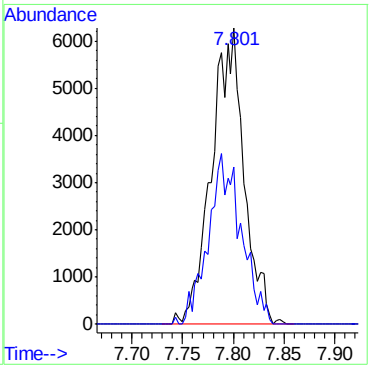


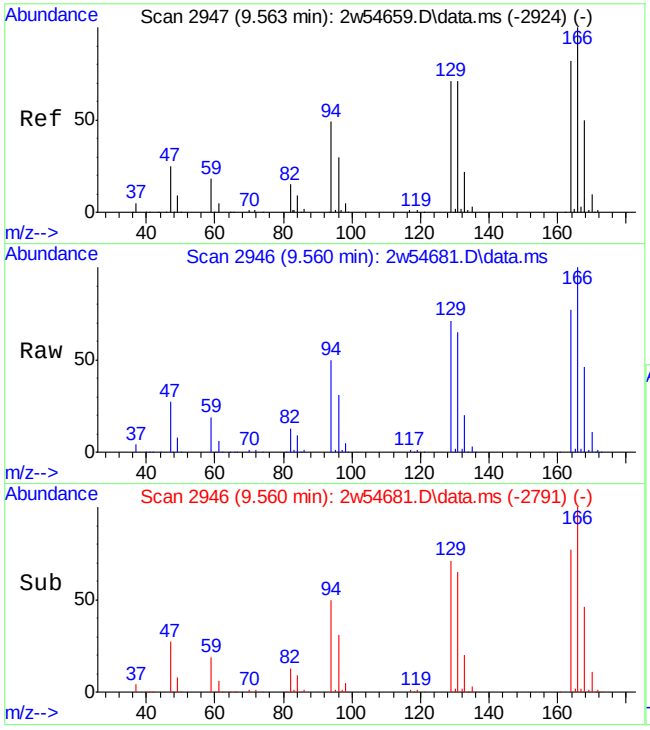


#66
TOLUENE
Concen: 0.31 PPBV
RT: 7.801 min Scan# 2399
Delta R.T. 0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 91 Resp: 14008

Ion	Ratio	Lower	Upper
91	100		
92	58.1	38.4	78.4

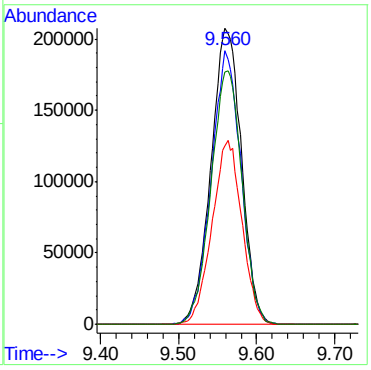


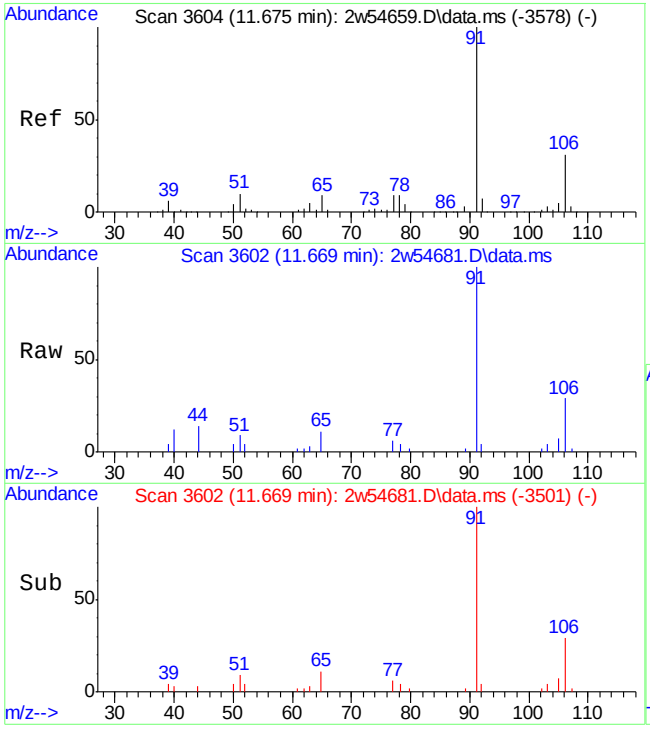


#72
TETRACHLOROETHENE
Concen: 28.17 PPBV
RT: 9.560 min Scan# 2946
Delta R.T. -0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion:164 Resp: 563671

Ion	Ratio	Lower	Upper
164	100		
129	90.0	74.2	111.4
168	61.0	49.3	73.9
131	87.1	70.1	105.1

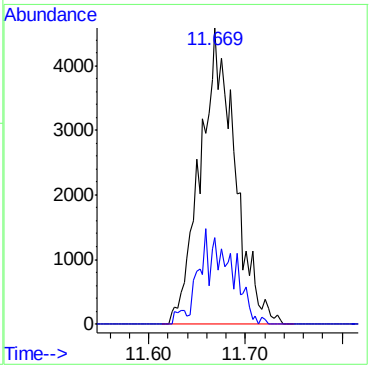


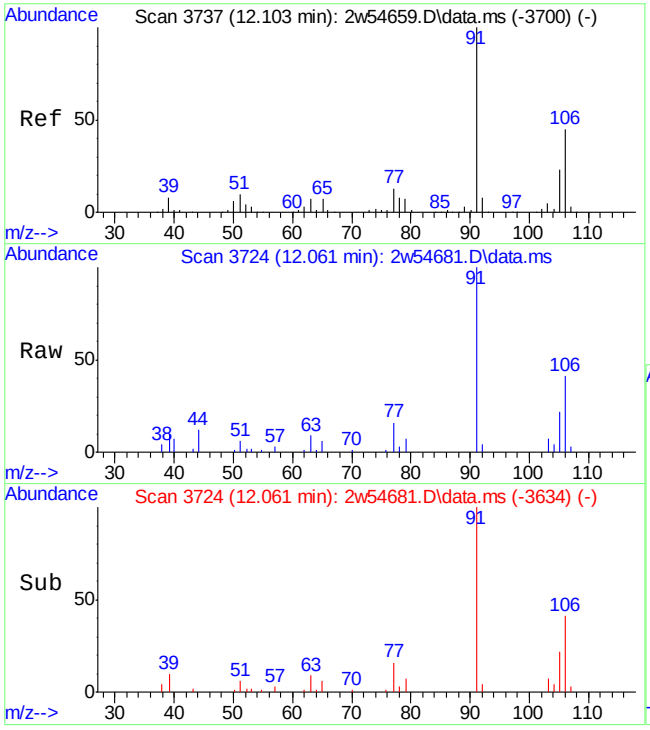


#79
ETHYLBENZENE
Concen: 0.18 PPBV
RT: 11.669 min Scan# 3602
Delta R.T. -0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 91 Resp: 11371

Ion	Ratio	Lower	Upper
91	100		
106	29.6	10.3	50.3

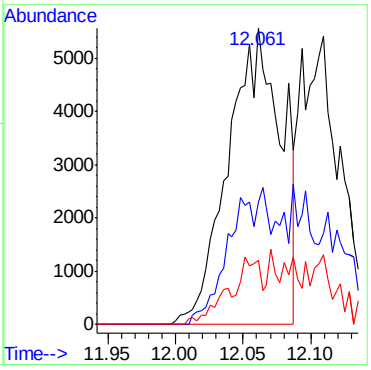


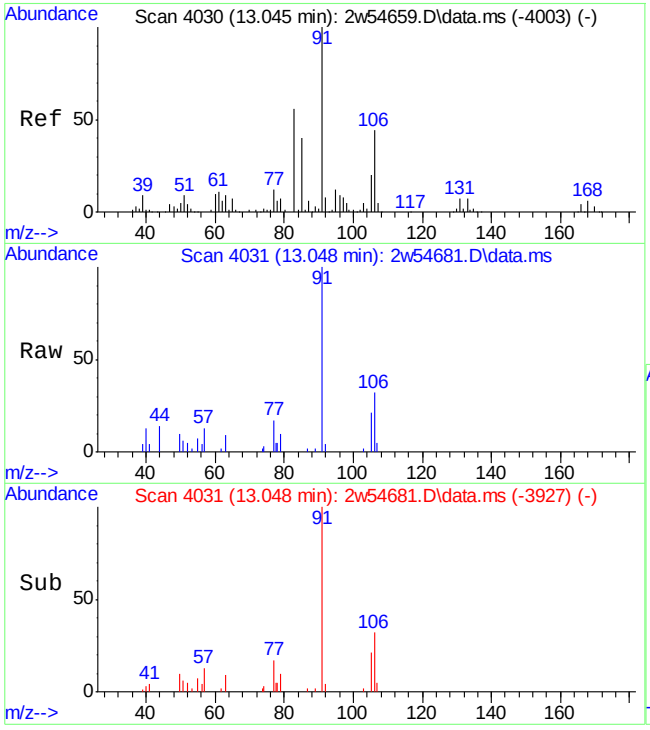


#80
M,P-XYLENE
Concen: 0.31 PPBV
RT: 12.061 min Scan# 3724
Delta R.T. -0.042 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 91 Resp: 15126

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	20.0
105	35.8	2.0	42.0

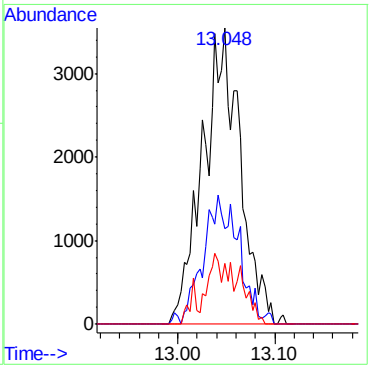


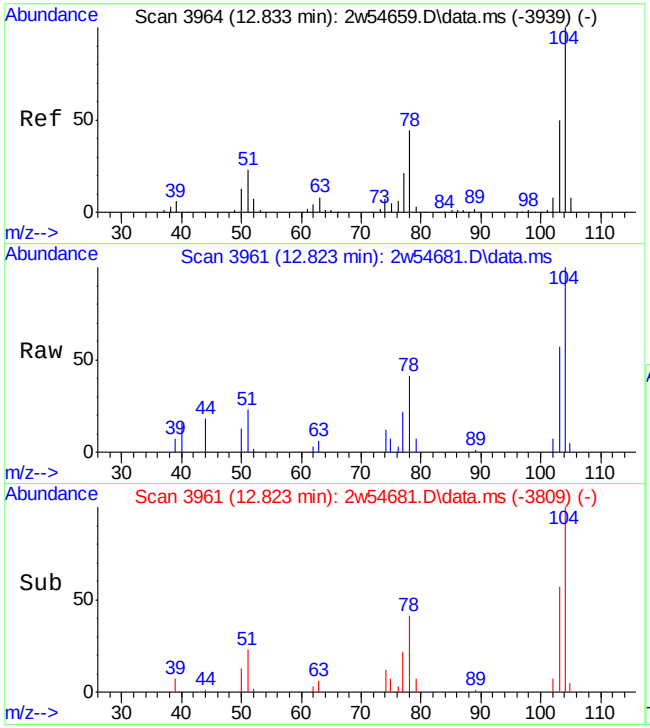


#81
O-XYLENE
Concen: 0.19 PPBV
RT: 13.048 min Scan# 4031
Delta R.T. 0.003 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion: 91 Resp: 9554

Ion	Ratio	Lower	Upper
91	100		
106	32.3	35.0	52.4#
105	20.5	15.7	23.5

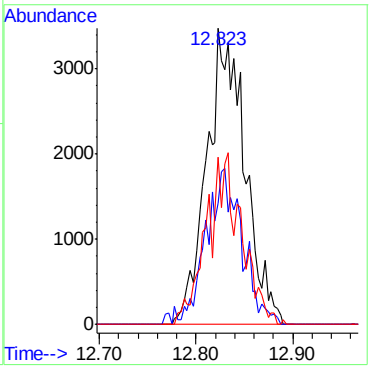


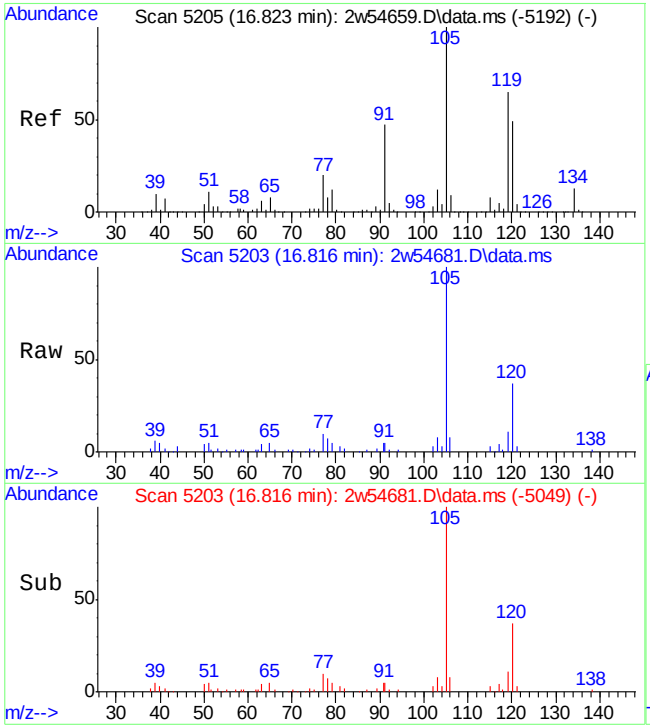


#82
STYRENE
Concen: 0.27 PPBV
RT: 12.823 min Scan# 3961
Delta R.T. -0.010 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion:104 Resp: 9438

Ion	Ratio	Lower	Upper
104	100		
78	49.0	36.8	55.2
103	52.7	39.0	58.4

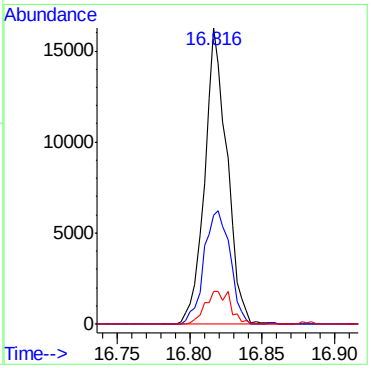




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.31 PPBV
RT: 16.816 min Scan# 5203
Delta R.T. -0.006 min
Lab File: 2w54681.D
Acq: 28 Jul 2021 5:04 pm

Tgt Ion:105 Resp: 17403

Ion	Ratio	Lower	Upper
105	100		
120	44.4	42.2	63.4
119	12.5	90.1	135.1#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54671.D
Acq On : 28 Jul 2021 11:19 am
Operator : thomash
Sample : mb
Misc : MS52591,V2w2425,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 28 13:53:36 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

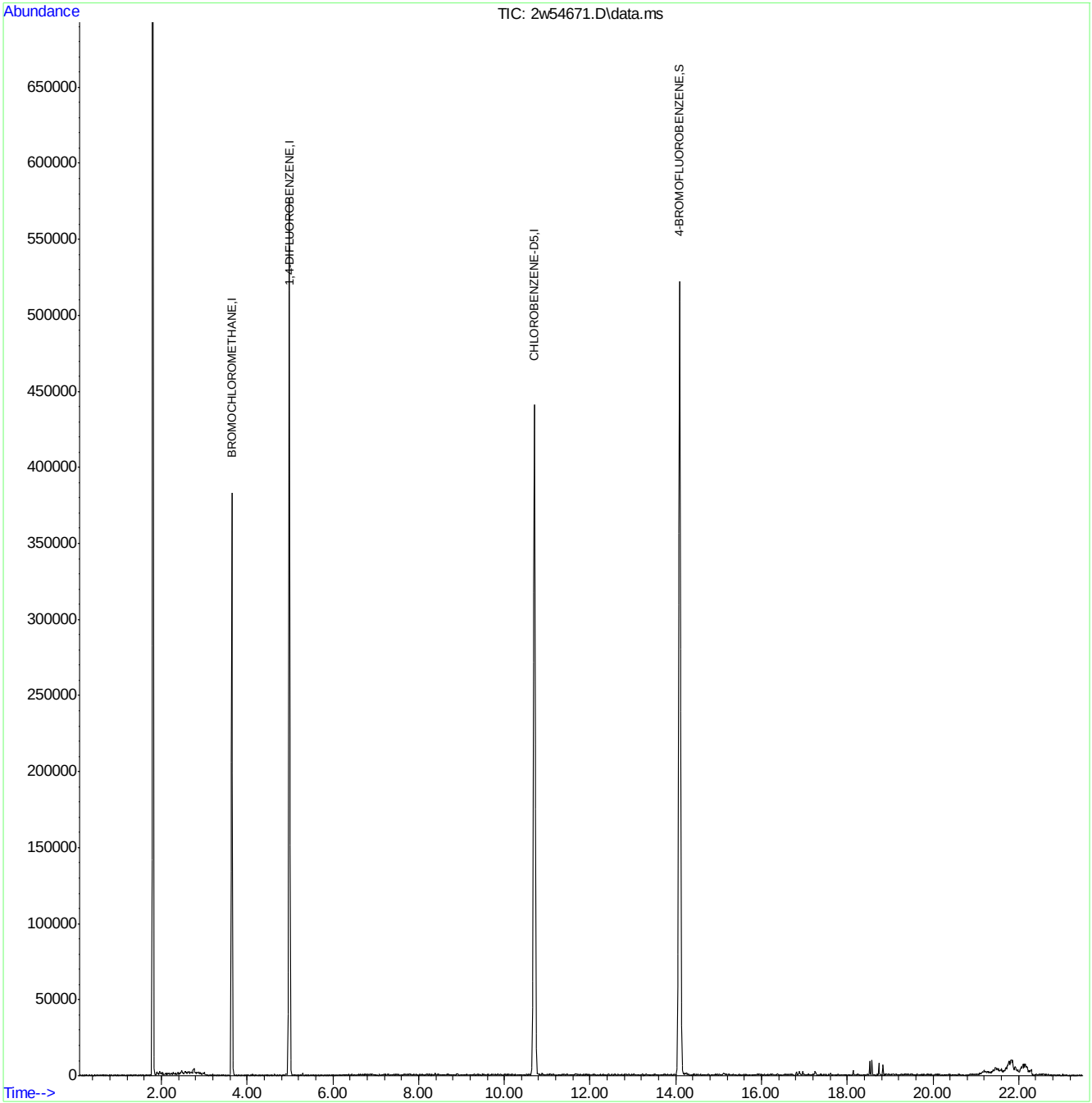
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.643	128	87133	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	453541	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.698	117	411286	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.090	95	293030	10.14	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54671.D
Acq On : 28 Jul 2021 11:19 am
Operator : thomash
Sample : mb
Misc : MS52591,V2w2425,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 28 13:53:36 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54064.D
Acq On : 17 Jun 2021 11:45 am
Operator : thomash
Sample : mb
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:52:16 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

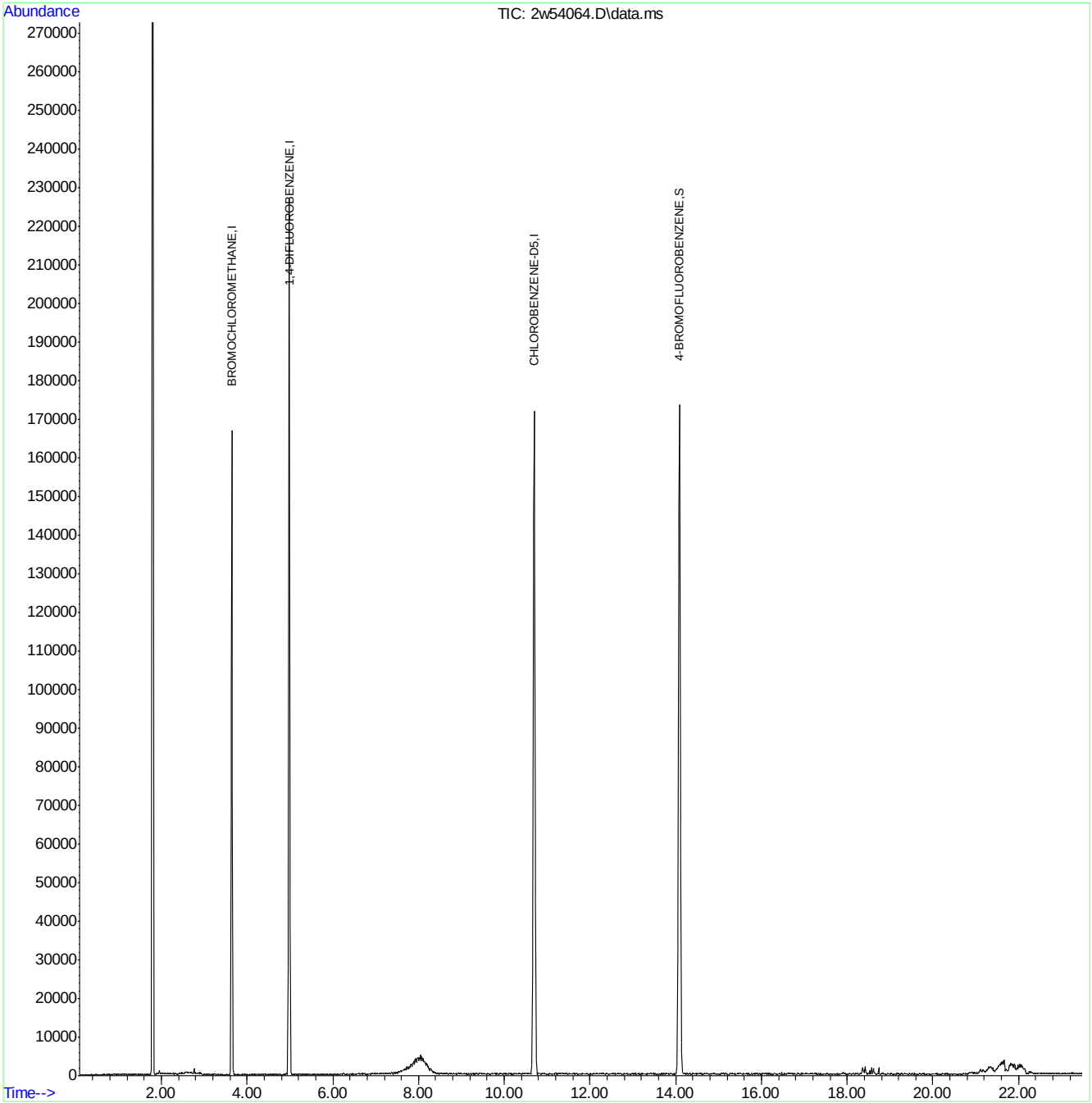
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.640	128	40640	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.981	114	205245	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.698	117	181772	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.087	95	109513	9.74	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54064.D
Acq On : 17 Jun 2021 11:45 am
Operator : thomash
Sample : mb
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 09:52:16 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54668.D
Acq On : 28 Jul 2021 9:28 am
Operator : thomash
Sample : bs
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:35 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	90697	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	463591	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	434979	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.087	95	316590	10.35	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.853	65	64516	9.25	PPBV		100
4) CHLORODIFLUOROMETHANE	1.869	67	44580	10.08	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.885	116	189159	9.58	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.907	85	404694	9.67	PPBV		100
7) PROPYLENE	1.881	41	68776	8.79	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.955	65	350104	9.81	PPBV		100
9) FREON 114	2.004	85	359432	9.87	PPBV		100
10) CHLOROMETHANE	1.962	52	26368	9.26	PPBV		95
11) VINYL CHLORIDE	2.045	62	107612	9.50	PPBV		98
12) 1,3-BUTADIENE	2.097	54	74226	9.81	PPBV		99
13) N-BUTANE	2.116	43	134555	9.29	PPBV		99
14) BROMOMETHANE	2.193	94	120518	9.66	PPBV		96
15) CHLOROETHANE	2.258	64	58517	9.63	PPBV		99
16) DICHLOROFLUOROMETHANE	2.290	67	286658	9.65	PPBV		98
17) ACETONITRILE	2.377	41	72502	8.95	PPBV		98
18) ACROLEIN	2.422	56	44804	8.85	PPBV		96
19) FREON 123	2.441	83	281932	9.47	PPBV		99
20) FREON 123A	2.457	117	189386	9.97	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.528	101	433294	9.78	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	190439	9.68	PPBV		100
23) ACETONE	2.467	58	47199	8.87	PPBV		99
24) PENTANE	2.640	42	84342	9.88	PPBV		98
25) IODOMETHANE	2.698	142	347368	9.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.724	96	114359	9.28	PPBV		98
27) CARBON DISULFIDE	2.859	76	286935	9.64	PPBV		99
28) ETHANOL	2.293	45	37105	8.71	PPBV		97
29) BROMOETHENE	2.386	106	121345	9.42	PPBV		98
30) ACRYLONITRILE	2.611	52	64474	9.29	PPBV		97
31) METHYLENE CHLORIDE	2.759	84	102199	9.08	PPBV		99
32) 3-CHLOROPROPENE	2.801	76	52819	10.05	PPBV		98
33) FREON 113	2.859	151	238399	9.64	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	3.100	96	120583	9.55	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.730	59	237246	10.74	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.213	73	334991	10.32	PPBV		100
37) TETRAHYDROFURAN	3.939	72	53476	10.47	PPBV		99
38) HEXANE	3.698	57	158821	9.72	PPBV		98
39) VINYL ACETATE	3.251	86	30962	10.24	PPBV		92
40) 1,1-DICHLOROETHANE	3.180	63	201374	9.86	PPBV		99
41) METHYL ETHYL KETONE	3.351	72	54875	9.76	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.563	96	128467	9.72	PPBV		100
43) DIISOPROPYL ETHER	3.701	59	50426	10.41	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54668.D
Acq On : 28 Jul 2021 9:28 am
Operator : thomash
Sample : bs
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:35 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.701	61	29371	10.05	PPBV		90
45) METHYL ACRYLATE	3.688	55	201245	9.94	PPBV	#	100
46) CHLOROFORM	3.721	83	299769	9.65	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.238	57	189494	9.89	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.322	97	332973	9.92	PPBV		99
49) CARBON TETRACHLORIDE	4.762	117	367645	9.87	PPBV		99
50) 1,2-DICHLOROETHANE	4.148	62	211802	9.91	PPBV		99
51) BENZENE	4.650	78	355323	9.58	PPBV		100
53) CYCLOHEXANE	4.865	84	159967	9.34	PPBV		98
54) 2,3-DIMETHYLPENTANE	5.132	71	75994	9.35	PPBV		93
55) TRICHLOROETHENE	5.579	95	184903	9.48	PPBV		100
56) 1,2-DICHLOROPROPANE	5.341	63	118212	9.06	PPBV		99
57) DIBROMOMETHANE	5.296	174	194812	9.03	PPBV		99
58) ETHYL ACRYLATE	5.457	55	253359	10.20	PPBV		99
59) BROMODICHLOROMETHANE	5.524	83	339794	9.44	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	513456	9.46	PPBV		99
61) 1,4-DIOXANE	5.586	88	86249	9.29	PPBV		99
62) HEPTANE	6.003	43	166406	9.46	PPBV		99
63) METHYL METHACRYLATE	5.894	69	136297	10.18	PPBV		99
64) METHYL ISOBUTYL KETONE	6.647	58	100919	9.60	PPBV		100
65) CIS-1,3-DICHLOROPROPENE	6.550	75	215371	9.90	PPBV		99
66) TOLUENE	7.788	91	463930	9.40	PPBV		100
67) 1,3-DICHLOROPROPANE	7.846	76	222674	9.28	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.245	75	204303	10.32	PPBV		100
69) 1,1,2-TRICHLOROETHANE	7.412	83	130026	9.34	PPBV		98
70) 2-HEXANONE	8.357	58	132329	9.64	PPBV		97
71) ETHYL METHACRYLATE	8.492	69	220280	10.55	PPBV		99
72) TETRACHLOROETHENE	9.556	164	209695	9.59	PPBV		98
73) DIBROMOCHLOROMETHANE	8.335	129	352118	9.75	PPBV		99
74) 1,2-DIBROMOETHANE	8.685	107	267184	9.91	PPBV		98
75) OCTANE	9.695	43	226968	9.16	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.788	131	235350	8.75	PPBV		99
78) CHLOROBENZENE	10.778	112	378582	8.42	PPBV		99
79) ETHYLBENZENE	11.669	91	629447	8.77	PPBV		99
80) M,P-XYLENE	12.058	91	988859	17.82	PPBV	#	54
81) O-XYLENE	13.051	91	499799	8.69	PPBV		94
82) STYRENE	12.830	104	369447	9.20	PPBV		99
83) NONANE	14.161	43	240989	8.51	PPBV		98
84) BROMOFORM	11.913	173	346232	9.45	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	13.051	83	307777	8.80	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.338	75	254364	8.30	PPBV		100
88) ISOPROPYLBENZENE	14.566	120	181801	8.62	PPBV		99
89) BROMOBENZENE	14.444	77	330603	8.85	PPBV		99
90) 2-CHLOROTOLUENE	15.575	126	165811	8.85	PPBV		99
91) N-PROPYLBENZENE	15.916	120	185932	9.09	PPBV		99
92) 4-ETHYLTOLUENE	16.231	105	698421	9.19	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	592527	8.97	PPBV		99
94) ALPHA-METHYLSTYRENE	16.559	118	291903	9.27	PPBV		99
95) TERT-BUTYLBENZENE	16.813	134	140162	8.99	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	596874	9.24	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54668.D
Acq On : 28 Jul 2021 9:28 am
Operator : thomash
Sample : bs
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:35 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

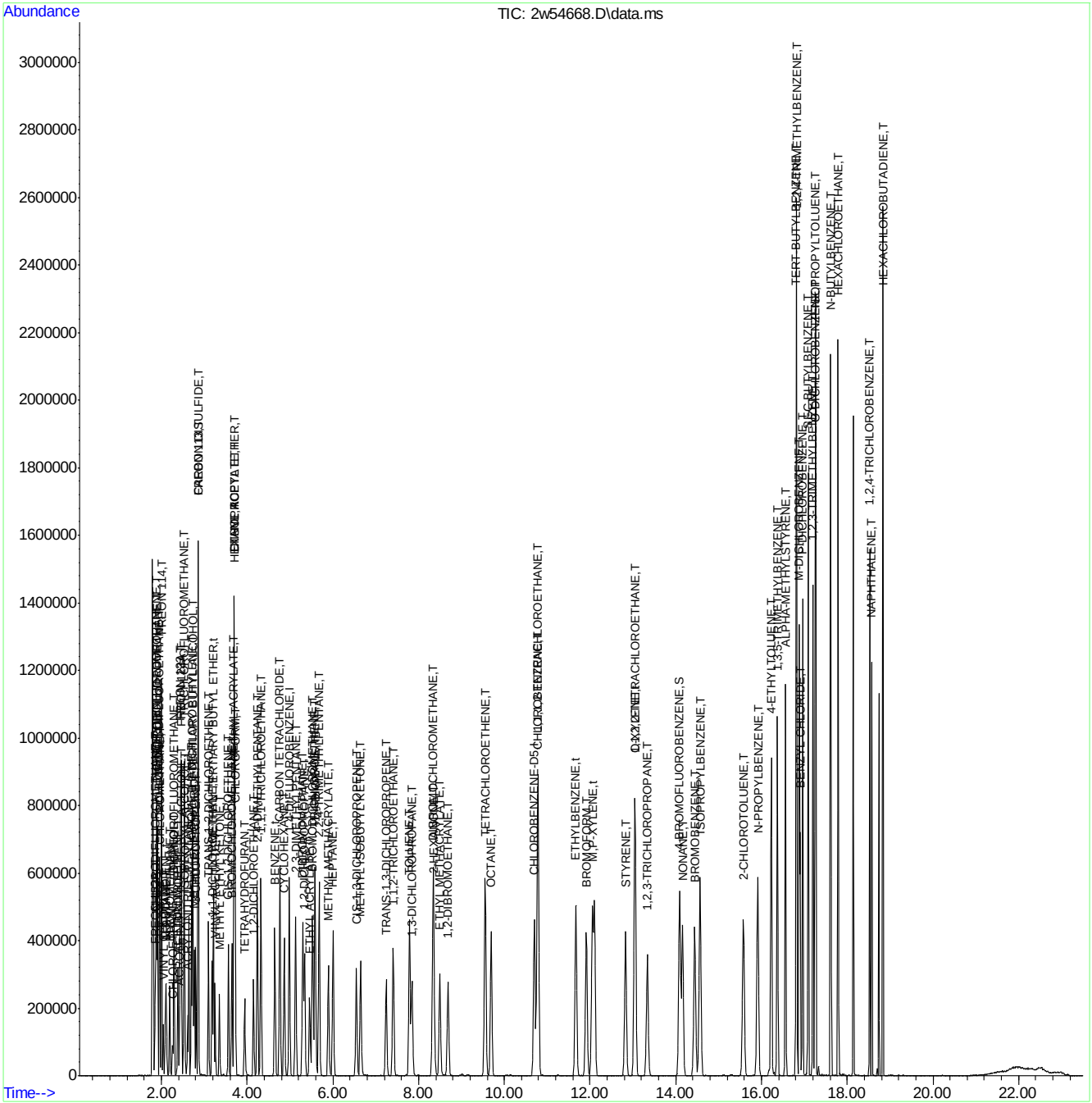
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	370872	11.95	PPBV	99
98)	M-DICHLOROBENZENE	16.881	146	396275	8.81	PPBV	99
99)	P-DICHLOROBENZENE	16.961	146	401178	9.05	PPBV	98
100)	O-DICHLOROBENZENE	17.254	146	360358	8.95	PPBV	99
101)	SEC-BUTYLBENZENE	17.087	134	170391	8.75	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	17.199	105	573734	8.91	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.267	134	181651	8.80	PPBV	99
104)	N-BUTYLBENZENE	17.611	134	169773	8.84	PPBV	98
105)	HEXACHLOROETHANE	17.791	117	239537	8.93	PPBV	100
106)	HEXACHLOROBUTADIENE	18.833	225	245204	8.13	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.524	180	255612	8.43	PPBV	99
108)	NAPHTHALENE	18.572	128	520857	8.33	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54668.D
Acq On : 28 Jul 2021 9:28 am
Operator : thomash
Sample : bs
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:35 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54669.D
Acq On : 28 Jul 2021 10:00 am
Operator : thomash
Sample : bsd
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:49 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.640	128	88982	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	457530	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	420932	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.093	95	308917	10.44	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	64901	9.48	PPBV		99
4) CHLORODIFLUOROMETHANE	1.872	67	42575	9.81	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.885	116	185712	9.58	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.907	85	410771	10.00	PPBV		99
7) PROPYLENE	1.881	41	68198	8.89	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.955	65	343816	9.82	PPBV		100
9) FREON 114	2.004	85	353741	9.90	PPBV		99
10) CHLOROMETHANE	1.962	52	26015	9.32	PPBV		99
11) VINYL CHLORIDE	2.045	62	104004	9.36	PPBV		99
12) 1,3-BUTADIENE	2.097	54	72141	9.72	PPBV		98
13) N-BUTANE	2.116	43	134288	9.45	PPBV		98
14) BROMOMETHANE	2.193	94	118128	9.65	PPBV		98
15) CHLOROETHANE	2.258	64	56834	9.54	PPBV		98
16) DICHLOROFLUOROMETHANE	2.290	67	283120	9.72	PPBV		99
17) ACETONITRILE	2.377	41	71481	8.99	PPBV		98
18) ACROLEIN	2.422	56	43476	8.75	PPBV		99
19) FREON 123	2.438	83	277529	9.50	PPBV		99
20) FREON 123A	2.457	117	186464	10.01	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.524	101	429453	9.88	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	183136	9.49	PPBV		98
23) ACETONE	2.463	58	45323	8.69	PPBV		100
24) PENTANE	2.637	42	81385	9.72	PPBV		97
25) IODOMETHANE	2.695	142	342790	9.83	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.721	96	113923	9.43	PPBV		99
27) CARBON DISULFIDE	2.856	76	284725	9.75	PPBV		99
28) ETHANOL	2.293	45	36873	8.82	PPBV		100
29) BROMOETHENE	2.386	106	118561	9.38	PPBV		99
30) ACRYLONITRILE	2.608	52	66189	9.72	PPBV		96
31) METHYLENE CHLORIDE	2.759	84	101065	9.15	PPBV		97
32) 3-CHLOROPROPENE	2.801	76	50794	9.85	PPBV		96
33) FREON 113	2.856	151	232907	9.60	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.097	96	118627	9.58	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.730	59	232210	10.71	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.209	73	329492	10.35	PPBV		99
37) TETRAHYDROFURAN	3.939	72	51089	10.20	PPBV		97
38) HEXANE	3.698	57	155476	9.70	PPBV		99
39) VINYL ACETATE	3.251	86	29630	9.99	PPBV		99
40) 1,1-DICHLOROETHANE	3.177	63	198684	9.91	PPBV		100
41) METHYL ETHYL KETONE	3.351	72	54543	9.89	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.560	96	126957	9.79	PPBV		100
43) DIISOPROPYL ETHER	3.698	59	48611	10.23	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54669.D
Acq On : 28 Jul 2021 10:00 am
Operator : thomash
Sample : bsd
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:49 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.701	61	29511	10.30	PPBV		97
45)	METHYL ACRYLATE	3.688	55	200819	10.11	PPBV	#	99
46)	CHLOROFORM	3.717	83	289062	9.49	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.238	57	186369	9.91	PPBV		99
48)	1,1,1-TRICHLOROETHANE	4.319	97	331342	10.06	PPBV		99
49)	CARBON TETRACHLORIDE	4.762	117	360108	9.86	PPBV		98
50)	1,2-DICHLOROETHANE	4.151	62	206984	9.87	PPBV		100
51)	BENZENE	4.647	78	350371	9.63	PPBV		100
53)	CYCLOHEXANE	4.862	84	159214	9.42	PPBV		97
54)	2,3-DIMETHYLPENTANE	5.132	71	76238	9.51	PPBV		97
55)	TRICHLOROETHENE	5.585	95	183019	9.51	PPBV		100
56)	1,2-DICHLOROPROPANE	5.338	63	115564	8.98	PPBV		98
57)	DIBROMOMETHANE	5.296	174	194677	9.14	PPBV		99
58)	ETHYL ACRYLATE	5.460	55	250199	10.21	PPBV		99
59)	BROMODICHLOROMETHANE	5.524	83	336121	9.46	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.682	57	500009	9.34	PPBV		99
61)	1,4-DIOXANE	5.589	88	84465	9.22	PPBV		99
62)	HEPTANE	6.007	43	161389	9.30	PPBV		99
63)	METHYL METHACRYLATE	5.897	69	134568	10.19	PPBV		100
64)	METHYL ISOBUTYL KETONE	6.646	58	98213	9.46	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.547	75	213689	9.95	PPBV		98
66)	TOLUENE	7.791	91	458661	9.41	PPBV		99
67)	1,3-DICHLOROPROPANE	7.849	76	220353	9.31	PPBV	#	99
68)	TRANS-1,3-DICHLOROPROPENE	7.245	75	205059	10.49	PPBV		98
69)	1,1,2-TRICHLOROETHANE	7.409	83	128921	9.38	PPBV		98
70)	2-HEXANONE	8.357	58	127666	9.42	PPBV		99
71)	ETHYL METHACRYLATE	8.495	69	218938	10.62	PPBV		100
72)	TETRACHLOROETHENE	9.556	164	205684	9.53	PPBV		99
73)	DIBROMOCHLOROMETHANE	8.335	129	348275	9.77	PPBV		99
74)	1,2-DIBROMOETHANE	8.688	107	265675	9.98	PPBV		99
75)	OCTANE	9.695	43	226529	9.26	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.794	131	233370	8.96	PPBV		99
78)	CHLOROBENZENE	10.781	112	380060	8.74	PPBV		99
79)	ETHYLBENZENE	11.669	91	625403	9.00	PPBV		99
80)	M,P-XYLENE	12.106	91	984687	18.34	PPBV	#	100
81)	O-XYLENE	13.051	91	498449	8.96	PPBV		96
82)	STYRENE	12.830	104	364229	9.37	PPBV		99
83)	NONANE	14.161	43	235114	8.58	PPBV		97
84)	BROMOFORM	11.923	173	348899	9.84	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	13.055	83	306146	9.04	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.344	75	252238	8.51	PPBV		100
88)	ISOPROPYLBENZENE	14.569	120	183253	8.98	PPBV		98
89)	BROMOBENZENE	14.444	77	324468	8.98	PPBV		100
90)	2-CHLOROTOLUENE	15.582	126	165740	9.14	PPBV		100
91)	N-PROPYLBENZENE	15.919	120	185685	9.38	PPBV		100
92)	4-ETHYLTOLUENE	16.231	105	692146	9.41	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.373	105	582824	9.12	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.563	118	288715	9.48	PPBV		99
95)	TERT-BUTYLBENZENE	16.813	134	138141	9.16	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.823	105	591755	9.47	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54669.D
Acq On : 28 Jul 2021 10:00 am
Operator : thomash
Sample : bsd
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:49 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

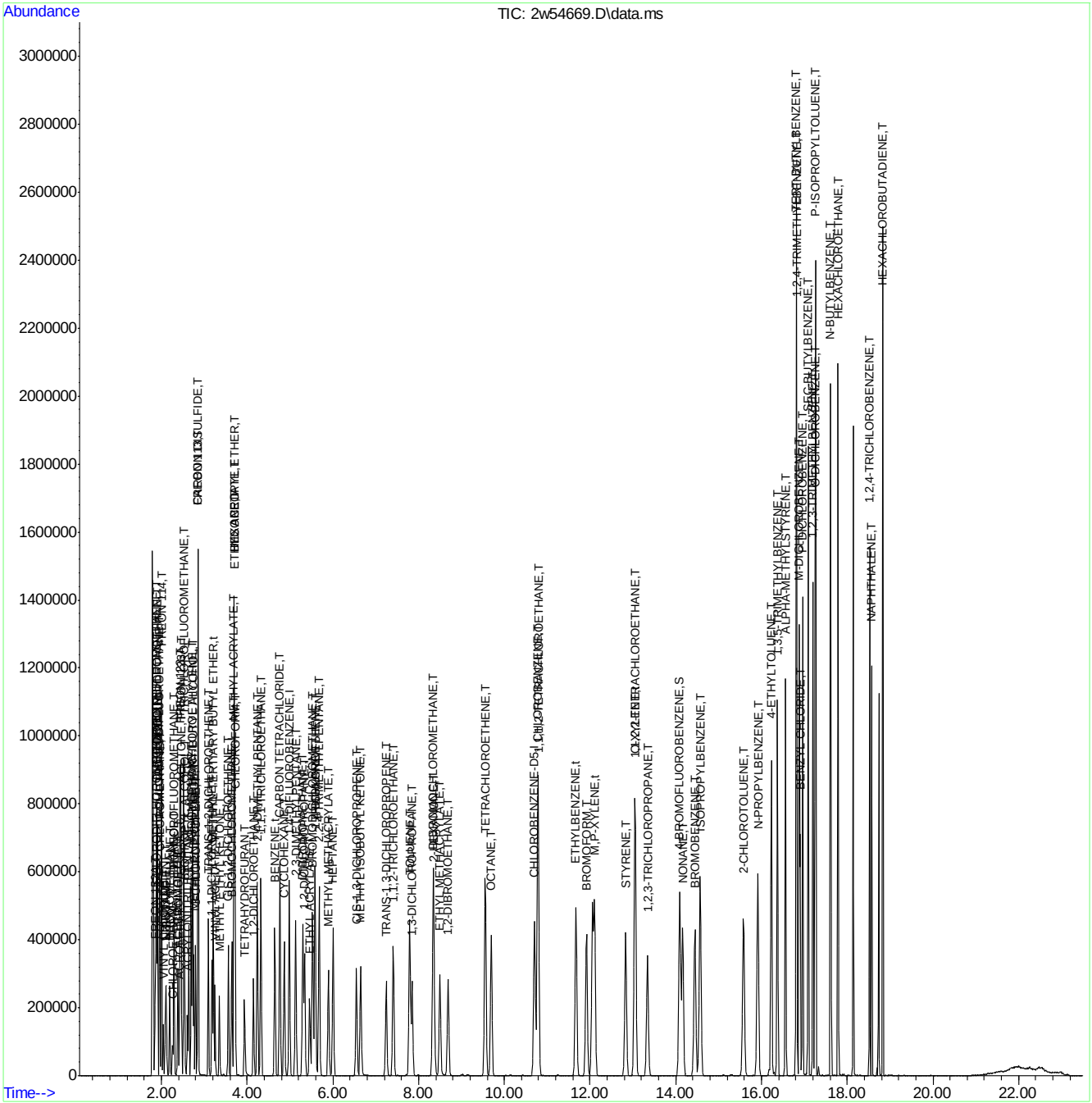
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.903	91	367853	12.25	PPBV	100
98) M-DICHLOROBENZENE	16.881	146	392188	9.01	PPBV	99
99) P-DICHLOROBENZENE	16.961	146	394552	9.20	PPBV	100
100) O-DICHLOROBENZENE	17.251	146	361180	9.27	PPBV	100
101) SEC-BUTYLBENZENE	17.090	134	170878	9.07	PPBV	96
102) 1,2,3-TRIMETHYLBENZENE	17.199	105	574818	9.23	PPBV	100
103) P-ISOPROPYLTOLUENE	17.263	134	182989	9.16	PPBV	99
104) N-BUTYLBENZENE	17.607	134	165009	8.88	PPBV	93
105) HEXACHLOROETHANE	17.788	117	238220	9.18	PPBV	98
106) HEXACHLOROBUTADIENE	18.829	225	244149	8.36	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.521	180	254534	8.68	PPBV	100
108) NAPHTHALENE	18.569	128	520380	8.60	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54669.D
Acq On : 28 Jul 2021 10:00 am
Operator : thomash
Sample : bsd
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:49 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54060.D
Acq On : 17 Jun 2021 8:28 am
Operator : thomash
Sample : bs
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.637	128	39330	10.00	PPBV	#	0.01
52) 1,4-DIFLUOROBENZENE	4.978	114	201547	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.695	117	178618	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.084	95	107530	9.73	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.850	65	33150	9.78	PPBV		92
4) CHLORODIFLUOROMETHANE	1.866	67	10979	10.27	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.879	116	79044	9.04	PPBV	#	70
6) DICHLORODIFLUOROMETHANE	1.901	85	146837	11.71	PPBV		99
7) PROPYLENE	1.875	41	39014	10.70	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.952	65	89945	10.54	PPBV		96
9) FREON 114	1.997	85	139967	9.38	PPBV		98
10) CHLOROMETHANE	1.959	52	14428	10.67	PPBV		97
11) VINYL CHLORIDE	2.039	62	55888	9.76	PPBV		100
12) 1,3-BUTADIENE	2.091	54	40473	10.21	PPBV		91
13) N-BUTANE	2.110	43	72313	10.51	PPBV	#	96
14) BROMOMETHANE	2.187	94	53904	8.99	PPBV		98
15) CHLOROETHANE	2.252	64	30436	9.71	PPBV		96
16) DICHLOROFLUOROMETHANE	2.287	67	106958	9.30	PPBV		99
17) ACETONITRILE	2.374	41	43044	9.84	PPBV		97
18) ACROLEIN	2.419	56	24176	10.12	PPBV		99
19) FREON 123	2.435	83	120749	8.69	PPBV		99
20) FREON 123A	2.454	117	67266	8.86	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.522	101	116003	9.71	PPBV		99
22) ISOPROPYL ALCOHOL	2.538	45	81711	8.59	PPBV		97
23) ACETONE	2.461	58	24758	8.10	PPBV		84
24) PENTANE	2.634	42	43949	9.88	PPBV		97
25) IODOMETHANE	2.692	142	146698	8.81	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.721	96	52444	8.53	PPBV		95
27) CARBON DISULFIDE	2.856	76	138126	10.52	PPBV	#	96
28) ETHANOL	2.290	45	20394	9.90	PPBV		98
29) BROMOETHENE	2.383	106	52304	8.87	PPBV	#	98
30) ACRYLONITRILE	2.605	52	32466	9.83	PPBV		99
31) METHYLENE CHLORIDE	2.756	84	47355	7.88	PPBV		94
32) 3-CHLOROPROPENE	2.798	76	25227	8.96	PPBV	#	81
33) FREON 113	2.853	151	88820	8.65	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.094	96	50339	8.49	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.727	59	88515	9.60	PPBV	#	93
36) METHYL TERTIARY BUTYL ...	3.206	73	118477	8.62	PPBV		98
37) TETRAHYDROFURAN	3.936	72	24536	8.79	PPBV		84
38) HEXANE	3.692	57	77037	8.90	PPBV		91
39) VINYL ACETATE	3.248	86	13975	10.09	PPBV	#	59
40) 1,1-DICHLOROETHANE	3.174	63	81276	9.18	PPBV		99
41) METHYL ETHYL KETONE	3.348	72	25642	8.65	PPBV		75
42) CIS-1,2-DICHLOROETHENE	3.560	96	56267	8.54	PPBV		95
43) DIISOPROPYL ETHER	3.695	59	23007	9.34	PPBV		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54060.D
Acq On : 17 Jun 2021 8:28 am
Operator : thomash
Sample : bs
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.702	61	15357	9.83	PPBV		66
45) METHYL ACRYLATE	3.686	55	93336	9.90	PPBV		96
46) CHLOROFORM	3.718	83	96855	9.21	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.232	57	90836	8.93	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.316	97	90269	10.19	PPBV		99
49) CARBON TETRACHLORIDE	4.759	117	94730	11.58	PPBV		100
50) 1,2-DICHLOROETHANE	4.145	62	56662	10.26	PPBV		98
51) BENZENE	4.640	78	162165	8.14	PPBV		95
53) CYCLOHEXANE	4.862	84	70867	8.35	PPBV		93
54) 2,3-DIMETHYLPENTANE	5.126	71	36386	8.77	PPBV		89
55) TRICHLOROETHENE	5.579	95	69263	8.56	PPBV		96
56) 1,2-DICHLOROPROPANE	5.338	63	58683	9.12	PPBV		98
57) DIBROMOMETHANE	5.293	174	72105	8.28	PPBV		98
58) ETHYL ACRYLATE	5.451	55	113626	10.14	PPBV		98
59) BROMODICHLOROMETHANE	5.521	83	107708	10.51	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.673	57	246260	8.98	PPBV		100
61) 1,4-DIOXANE	5.583	88	38121	8.38	PPBV	#	95
62) HEPTANE	6.001	43	84582	10.03	PPBV		90
63) METHYL METHACRYLATE	5.891	69	61535	9.46	PPBV		85
64) METHYL ISOBUTYL KETONE	6.644	58	48604	9.66	PPBV		86
65) CIS-1,3-DICHLOROPROPENE	6.544	75	87540	10.10	PPBV	#	94
66) TOLUENE	7.785	91	199226	7.89	PPBV		99
67) 1,3-DICHLOROPROPANE	7.843	76	93022	9.10	PPBV	#	100
68) TRANS-1,3-DICHLOROPROPENE	7.242	75	74245	10.44	PPBV	#	94
69) 1,1,2-TRICHLOROETHANE	7.406	83	58757	9.19	PPBV		97
70) 2-HEXANONE	8.351	58	63593	8.85	PPBV		84
71) ETHYL METHACRYLATE	8.492	69	96644	10.39	PPBV		91
72) TETRACHLOROETHENE	9.553	164	77388	8.41	PPBV		99
73) DIBROMOCHLOROMETHANE	8.332	129	112073	11.08	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	100630	9.37	PPBV		98
75) OCTANE	9.692	43	116684	10.04	PPBV		88
77) 1,1,1,2-TETRACHLOROETHANE	10.788	131	80461	10.25	PPBV		95
78) CHLOROBENZENE	10.775	112	155140	8.37	PPBV		96
79) ETHYLBENZENE	11.669	91	245700	7.83	PPBV		99
80) M,P-XYLENE	12.094	91	368806	15.92	PPBV		97
81) O-XYLENE	13.039	91	191962	8.23	PPBV		94
82) STYRENE	12.827	104	154253	8.66	PPBV		98
83) NONANE	14.155	43	122093	11.03	PPBV		87
84) BROMOFORM	11.910	173	116406	12.04	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.049	83	145510	9.55	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.338	75	102567	9.71	PPBV	#	100
88) ISOPROPYLBENZENE	14.563	120	75657	8.92	PPBV		92
89) BROMOBENZENE	14.441	77	125437	9.30	PPBV		98
90) 2-CHLOROTOLUENE	15.576	126	69434	9.34	PPBV		98
91) N-PROPYLBENZENE	15.913	120	77207	9.16	PPBV		99
92) 4-ETHYLTOLUENE	16.232	105	266720	9.43	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	232054	10.11	PPBV		93
94) ALPHA-METHYLSTYRENE	16.560	118	122145	9.67	PPBV		99
95) TERT-BUTYLBENZENE	16.810	134	59059	9.29	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	224952	9.98	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54060.D
Acq On : 17 Jun 2021 8:28 am
Operator : thomash
Sample : bs
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

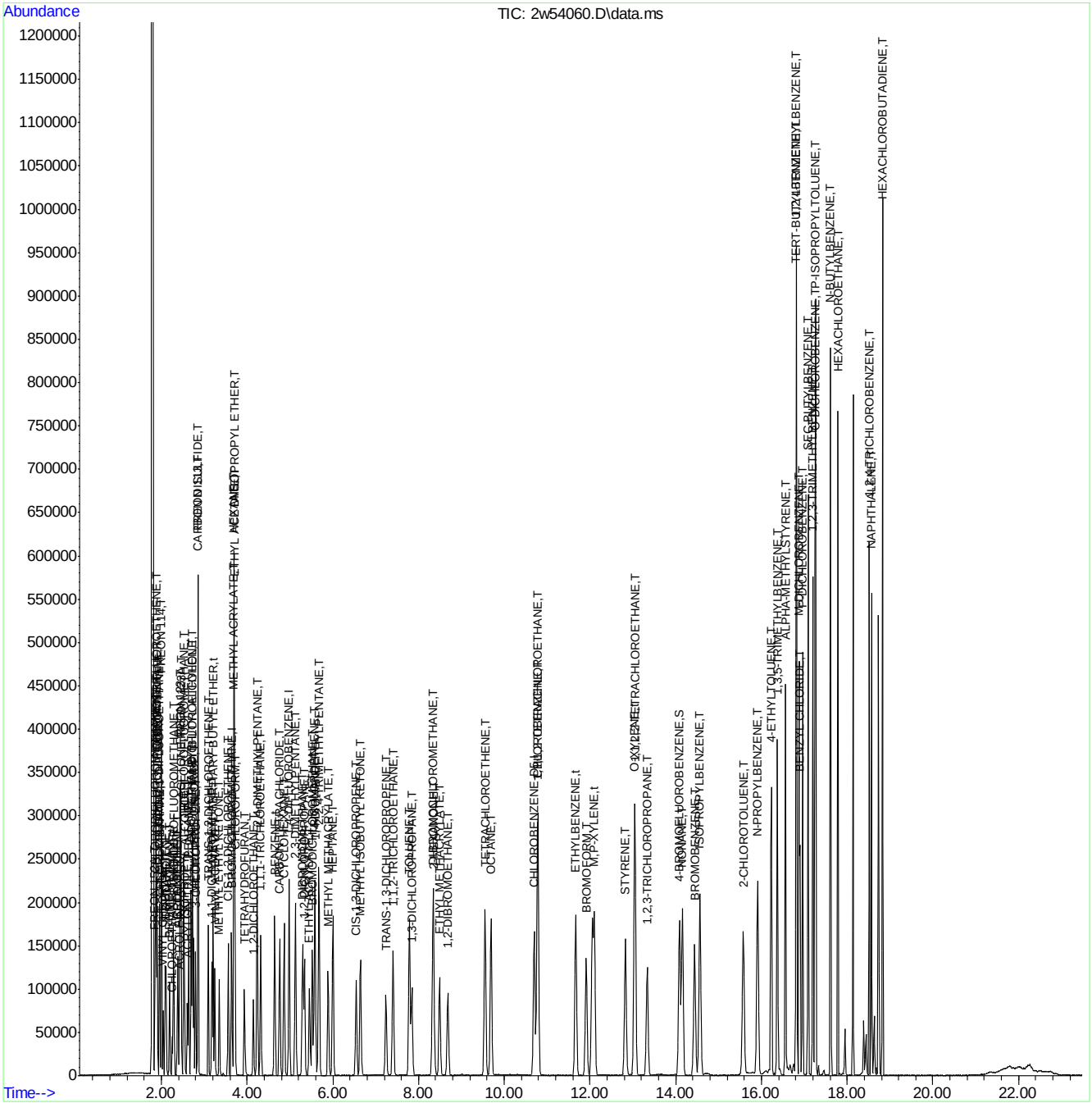
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.900	91	152193	13.19	PPBV	100
98)	M-DICHLOROBENZENE	16.878	146	159872	9.48	PPBV	100
99)	P-DICHLOROBENZENE	16.958	146	160788	9.57	PPBV	99
100)	O-DICHLOROBENZENE	17.251	146	154571	9.94	PPBV	99
101)	SEC-BUTYLBENZENE	17.087	134	73211	9.59	PPBV	93
102)	1,2,3-TRIMETHYLBENZENE	17.196	105	223669	10.19	PPBV	96
103)	P-ISOPROPYLTOLUENE	17.264	134	86687	10.96	PPBV	87
104)	N-BUTYLBENZENE	17.608	134	75040	10.36	PPBV	92
105)	HEXACHLOROETHANE	17.785	117	95835	15.31	PPBV	99
106)	HEXACHLOROBUTADIENE	18.826	225	110124	12.13	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.518	180	119428	10.52	PPBV	99
108)	NAPHTHALENE	18.566	128	247449	9.27	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54060.D
Acq On : 17 Jun 2021 8:28 am
Operator : thomash
Sample : bs
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54061.D
Acq On : 17 Jun 2021 9:14 am
Operator : thomash
Sample : bsd
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:51:14 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.640	128	39831	10.00	PPBV		0.02
52) 1,4-DIFLUOROBENZENE	4.981	114	204836	10.00	PPBV		0.01
76) CHLOROBENZENE-D5	10.698	117	182161	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	110655	9.82	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	33484	9.75	PPBV		94
4) CHLORODIFLUOROMETHANE	1.872	67	11547	10.67	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.888	116	80138	9.05	PPBV	#	1
6) DICHLORODIFLUOROMETHANE	1.907	85	152575	12.02	PPBV		99
7) PROPYLENE	1.882	41	40227	10.90	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.959	65	90210	10.44	PPBV		96
9) FREON 114	2.004	85	145967	9.65	PPBV		97
10) CHLOROMETHANE	1.962	52	14823	10.83	PPBV		96
11) VINYL CHLORIDE	2.046	62	56637	9.77	PPBV		99
12) 1,3-BUTADIENE	2.097	54	41395	10.31	PPBV		91
13) N-BUTANE	2.116	43	74108	10.64	PPBV	#	96
14) BROMOMETHANE	2.197	94	54641	8.99	PPBV		98
15) CHLOROETHANE	2.258	64	30339	9.56	PPBV	#	96
16) DICHLOROFLUOROMETHANE	2.293	67	109772	9.42	PPBV		99
17) ACETONITRILE	2.377	41	43811	9.89	PPBV		98
18) ACROLEIN	2.422	56	24407	10.09	PPBV		99
19) FREON 123	2.438	83	123275	8.76	PPBV		99
20) FREON 123A	2.457	117	68098	8.86	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.525	101	118235	9.78	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	82514	8.56	PPBV		99
23) ACETONE	2.464	58	24852	8.02	PPBV		81
24) PENTANE	2.637	42	44301	9.83	PPBV		97
25) IODOMETHANE	2.695	142	148152	8.78	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.721	96	52976	8.51	PPBV		94
27) CARBON DISULFIDE	2.856	76	141097	10.62	PPBV		100
28) ETHANOL	2.296	45	21357	10.24	PPBV		99
29) BROMOETHENE	2.386	106	53642	8.99	PPBV		100
30) ACRYLONITRILE	2.608	52	33312	9.96	PPBV		98
31) METHYLENE CHLORIDE	2.759	84	48173	7.92	PPBV		94
32) 3-CHLOROPROPENE	2.801	76	25503	8.95	PPBV	#	80
33) FREON 113	2.856	151	90069	8.66	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.097	96	51662	8.60	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.730	59	91777	9.83	PPBV	#	94
36) METHYL TERTIARY BUTYL ...	3.210	73	122997	8.83	PPBV		99
37) TETRAHYDROFURAN	3.936	72	25435	9.00	PPBV		85
38) HEXANE	3.695	57	77713	8.87	PPBV		90
39) VINYL ACETATE	3.251	86	13985	9.97	PPBV	#	54
40) 1,1-DICHLOROETHANE	3.177	63	83394	9.30	PPBV		99
41) METHYL ETHYL KETONE	3.351	72	26746	8.91	PPBV		80
42) CIS-1,2-DICHLOROETHENE	3.560	96	56800	8.51	PPBV		95
43) DIISOPROPYL ETHER	3.698	59	23551	9.44	PPBV		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54061.D
Acq On : 17 Jun 2021 9:14 am
Operator : thomash
Sample : bsd
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:51:14 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.705	61	15770	9.97	PPBV		67
45) METHYL ACRYLATE	3.689	55	95197	9.97	PPBV	#	75
46) CHLOROFORM	3.718	83	99858	9.38	PPBV	#	84
47) 2,4-DIMETHYLPENTANE	4.235	57	92413	8.98	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.319	97	91793	10.23	PPBV		99
49) CARBON TETRACHLORIDE	4.763	117	95956	11.59	PPBV		99
50) 1,2-DICHLOROETHANE	4.148	62	57527	10.29	PPBV		98
51) BENZENE	4.647	78	167887	8.32	PPBV		96
53) CYCLOHEXANE	4.862	84	71885	8.34	PPBV		92
54) 2,3-DIMETHYLPENTANE	5.129	71	37201	8.82	PPBV		90
55) TRICHLOROETHENE	5.582	95	70173	8.54	PPBV		98
56) 1,2-DICHLOROPROPANE	5.335	63	58813	8.99	PPBV		97
57) DIBROMOMETHANE	5.293	174	73187	8.27	PPBV		98
58) ETHYL ACRYLATE	5.454	55	116431	10.22	PPBV		99
59) BROMODICHLOROMETHANE	5.525	83	110369	10.60	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	251198	9.01	PPBV		99
61) 1,4-DIOXANE	5.582	88	38985	8.43	PPBV	#	95
62) HEPTANE	6.004	43	85724	10.00	PPBV		89
63) METHYL METHACRYLATE	5.891	69	62878	9.51	PPBV		86
64) METHYL ISOBUTYL KETONE	6.644	58	49610	9.70	PPBV		85
65) CIS-1,3-DICHLOROPROPENE	6.547	75	88587	10.06	PPBV	#	94
66) TOLUENE	7.788	91	203041	7.91	PPBV		99
67) 1,3-DICHLOROPROPANE	7.840	76	94726	9.12	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.242	75	75143	10.39	PPBV	#	94
69) 1,1,2-TRICHLOROETHANE	7.406	83	59470	9.15	PPBV		99
70) 2-HEXANONE	8.348	58	65104	8.92	PPBV		84
71) ETHYL METHACRYLATE	8.492	69	99292	10.50	PPBV		91
72) TETRACHLOROETHENE	9.557	164	77787	8.32	PPBV		99
73) DIBROMOCHLOROMETHANE	8.332	129	113927	11.08	PPBV		100
74) 1,2-DIBROMOETHANE	8.682	107	102064	9.35	PPBV		100
75) OCTANE	9.692	43	119724	10.14	PPBV		88
77) 1,1,1,2-TETRACHLOROETHANE	10.788	131	82169	10.27	PPBV		95
78) CHLOROBENZENE	10.775	112	158968	8.41	PPBV		96
79) ETHYLBENZENE	11.669	91	250184	7.82	PPBV		99
80) M,P-XYLENE	12.097	91	374061	15.83	PPBV		98
81) O-XYLENE	13.042	91	192598	8.09	PPBV		97
82) STYRENE	12.827	104	157808	8.69	PPBV		98
83) NONANE	14.161	43	123986	10.98	PPBV		87
84) BROMOFORM	11.913	173	117751	11.94	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.052	83	148623	9.56	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.335	75	105122	9.76	PPBV		100
88) ISOPROPYLBENZENE	14.569	120	77067	8.91	PPBV		91
89) BROMOBENZENE	14.437	77	128083	9.32	PPBV		97
90) 2-CHLOROTOLUENE	15.576	126	70913	9.35	PPBV		100
91) N-PROPYLBENZENE	15.913	120	80122	9.32	PPBV		99
92) 4-ETHYLTOLUENE	16.225	105	272776	9.46	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	240811	10.29	PPBV		92
94) ALPHA-METHYLSTYRENE	16.563	118	125394	9.74	PPBV		98
95) TERT-BUTYLBENZENE	16.810	134	60344	9.31	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	227868	9.91	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54061.D
Acq On : 17 Jun 2021 9:14 am
Operator : thomash
Sample : bsd
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:51:14 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

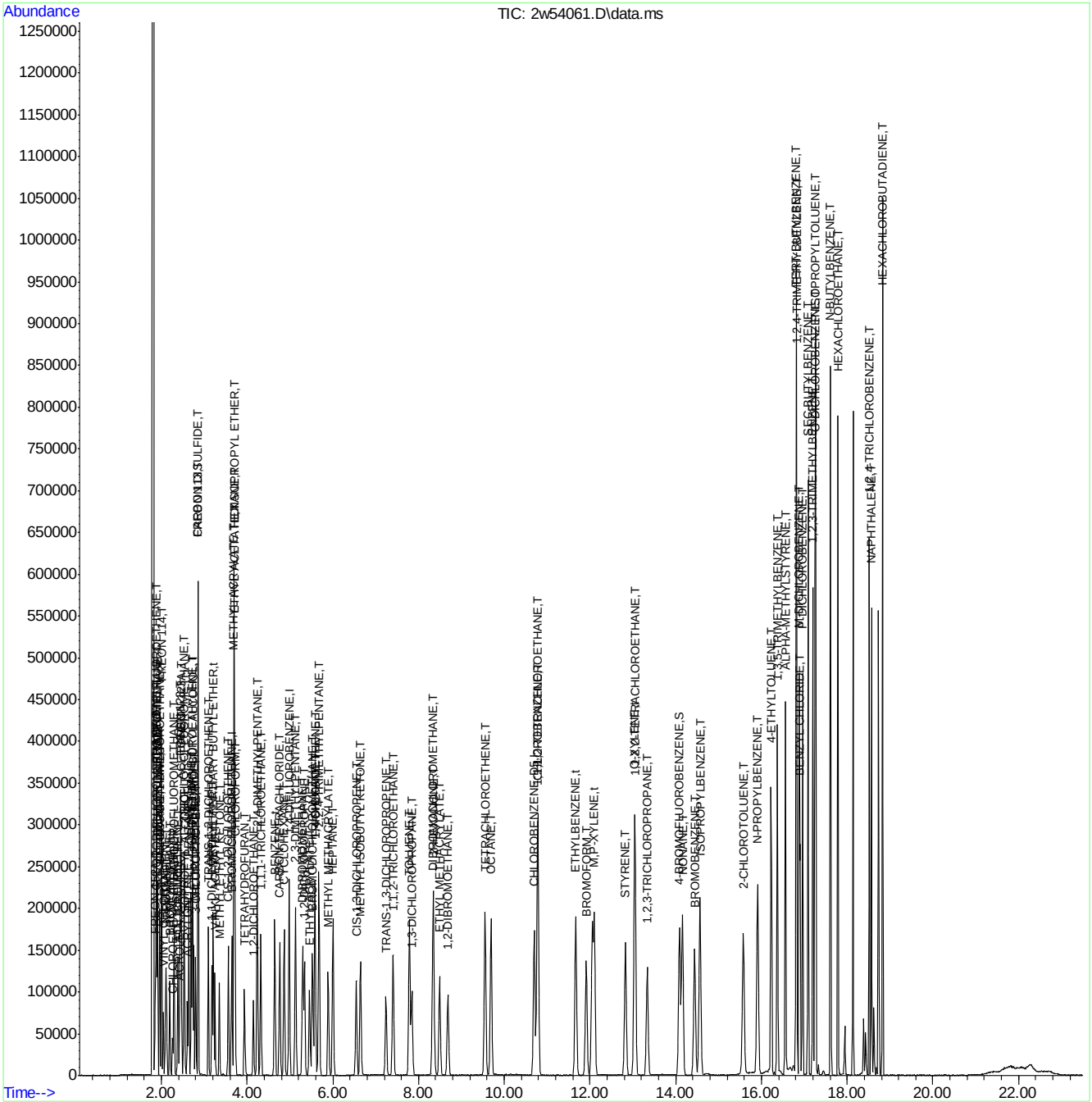
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.900	91	155783	13.24	PPBV	99
98)	M-DICHLOROBENZENE	16.878	146	162277	9.44	PPBV	99
99)	P-DICHLOROBENZENE	16.958	146	161264	9.41	PPBV	99
100)	O-DICHLOROBENZENE	17.251	146	159280	10.04	PPBV	98
101)	SEC-BUTYLBENZENE	17.087	134	75410	9.69	PPBV	94
102)	1,2,3-TRIMETHYLBENZENE	17.196	105	228722	10.21	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.264	134	87519	10.85	PPBV	88
104)	N-BUTYLBENZENE	17.608	134	75563	10.23	PPBV	89
105)	HEXACHLOROETHANE	17.785	117	96531	15.13	PPBV	100
106)	HEXACHLOROBUTADIENE	18.826	225	112829	12.18	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.518	180	122892	10.62	PPBV	99
108)	NAPHTHALENE	18.566	128	254602	9.35	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54061.D
Acq On : 17 Jun 2021 9:14 am
Operator : thomash
Sample : bsd
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:51:14 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 07/28/21 15:18

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54676.D
Acq On : 28 Jul 2021 2:27 pm
Operator : thomash
Sample : jd28968-1dup
Misc : MS52591,V2w2425,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 28 14:56:48 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

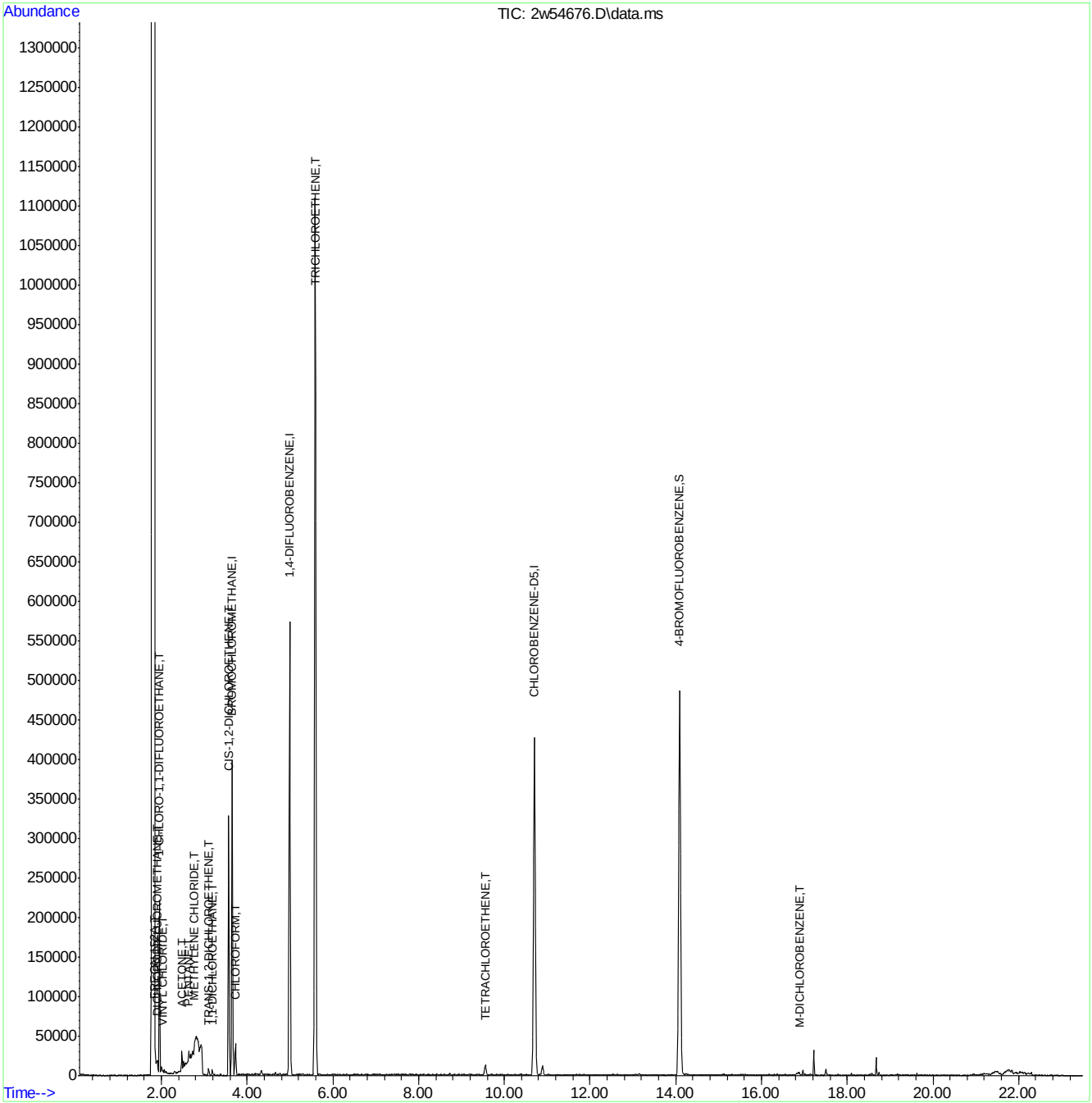
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	87986	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.991	114	443589	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	388081	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.093	95	277625	10.18	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.846	65	1748	0.26	PPBV	#	38
6) DICHLORODIFLUOROMETHANE	1.904	85	5806m	0.14	PPBV		
8) 1-CHLORO-1,1-DIFLUOROE...	1.952	65	121543	3.51	PPBV		99
11) VINYL CHLORIDE	2.036	62	1653	0.15	PPBV	#	95
23) ACETONE	2.476	58	4448	0.86	PPBV		82
24) PENTANE	2.640	42	3049	0.37	PPBV		96
31) METHYLENE CHLORIDE	2.766	84	1914	0.18	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	3.097	96	2751	0.22	PPBV		98
40) 1,1-DICHLOROETHANE	3.187	63	3720	0.19	PPBV	#	93
42) CIS-1,2-DICHLOROETHENE	3.570	96	107690	8.40	PPBV		98
46) CHLOROFORM	3.727	83	23178	0.77	PPBV		87
55) TRICHLOROETHENE	5.585	95	393483	21.09	PPBV		97
72) TETRACHLOROETHENE	9.560	164	4034	0.19	PPBV		92
98) M-DICHLOROBENZENE	16.884	146	1068	0.03	PPBV	#	87

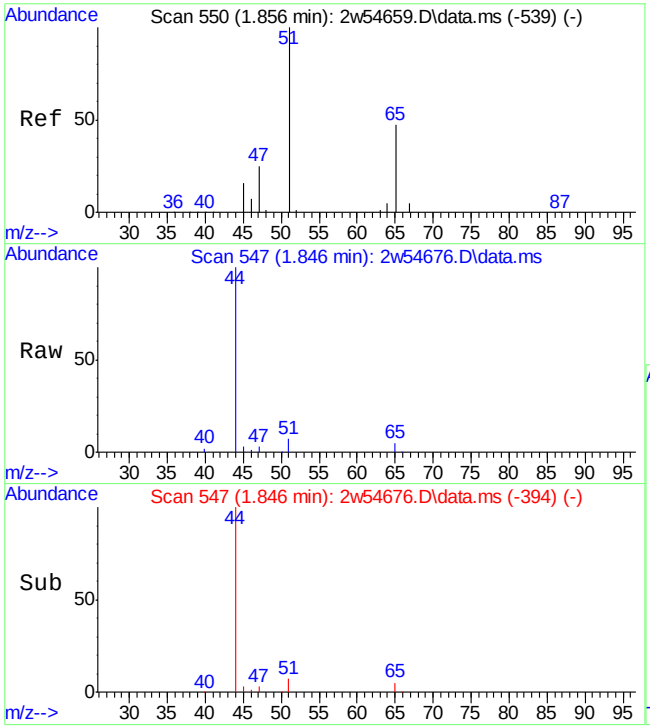
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54676.D
Acq On : 28 Jul 2021 2:27 pm
Operator : thomash
Sample : jd28968-1dup
Misc : MS52591,V2w2425,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 28 14:56:48 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

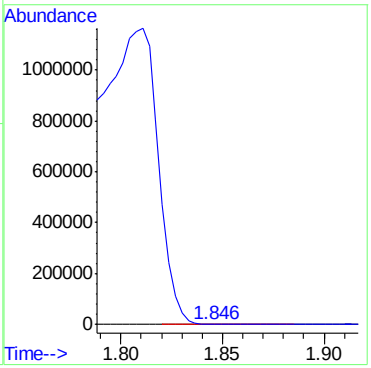


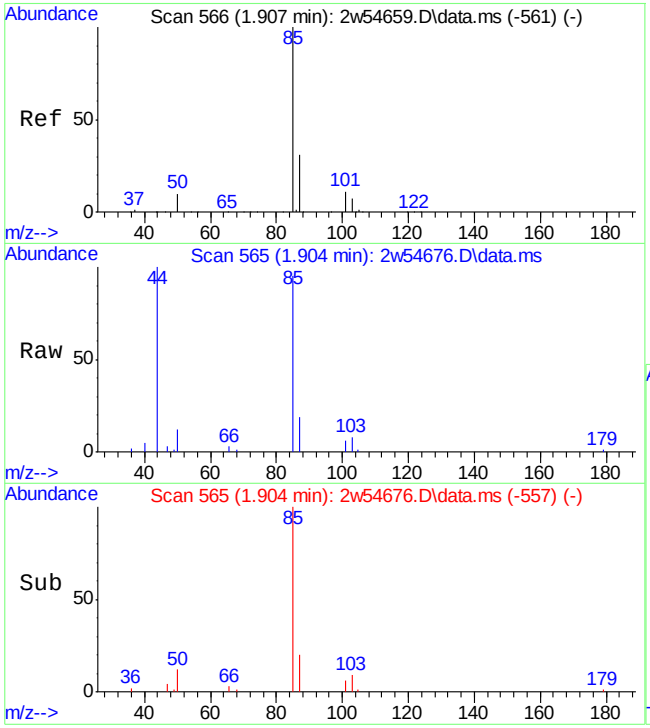


#3
FREON 152A
Concen: 0.26 PPBV
RT: 1.846 min Scan# 547
Delta R.T. -0.010 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 65 Resp: 1748

Ion	Ratio	Lower	Upper
65	100		
45	0.0	29.2	43.8#

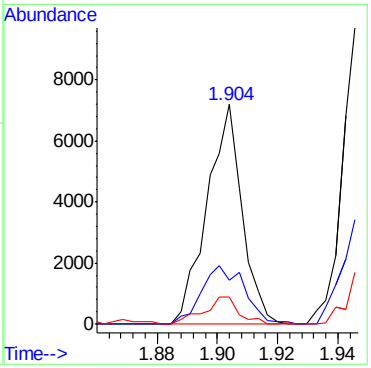


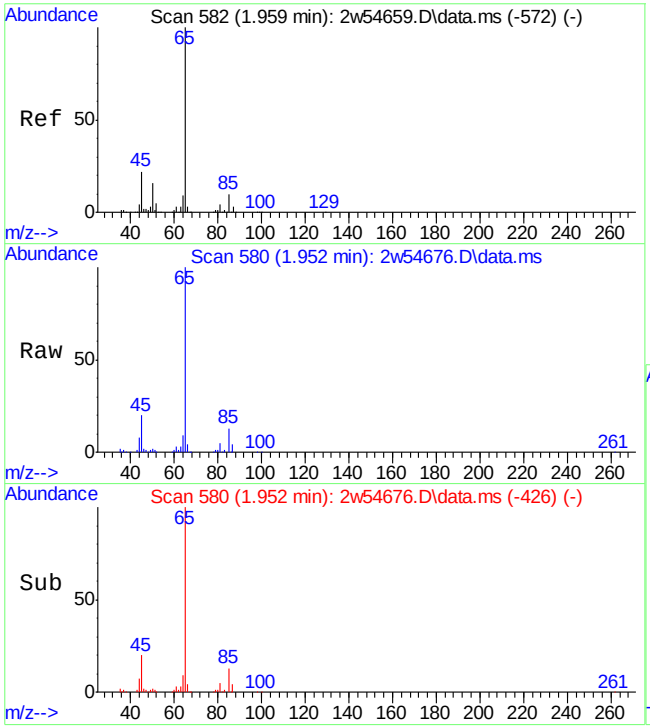


#6
DICHLORODIFLUOROMETHANE
Concen: 0.14 PPBV m
RT: 1.904 min Scan# 565
Delta R.T. -0.003 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 85 Resp: 5806

Ion	Ratio	Lower	Upper
85	100		
87	27.5	25.6	38.4
50	0.0	9.2	13.8#

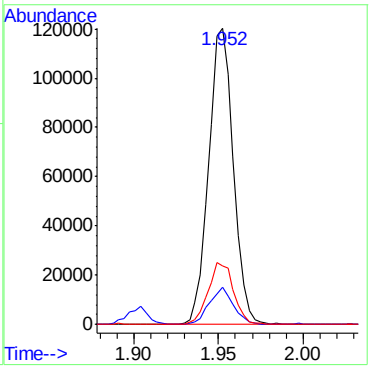


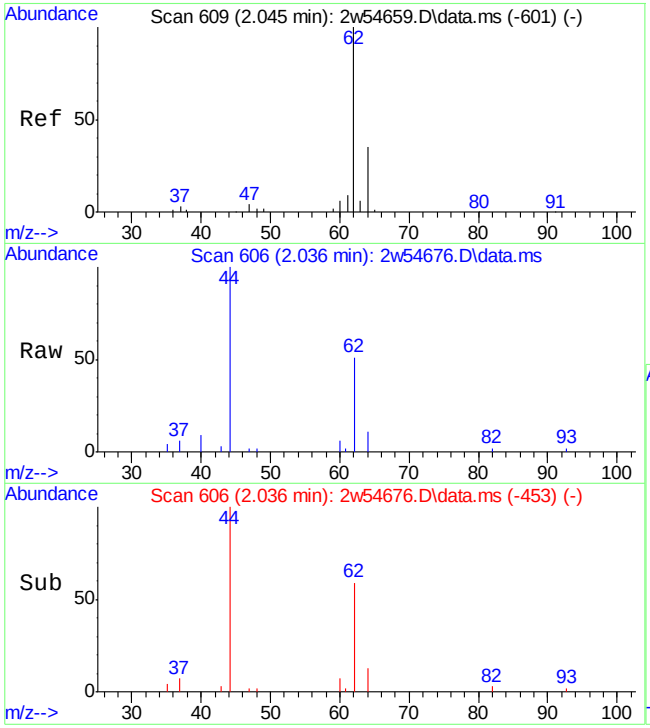


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 3.51 PPBV
RT: 1.952 min Scan# 580
Delta R.T. -0.006 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 65 Resp: 121543

Ion	Ratio	Lower	Upper
65	100		
85	12.0	9.6	14.4
45	21.6	16.9	25.3

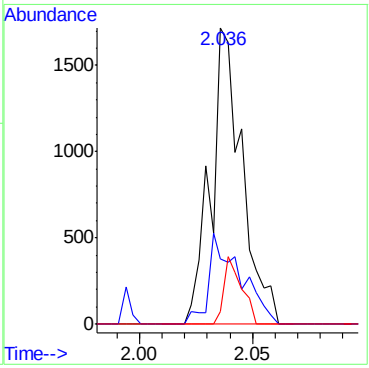


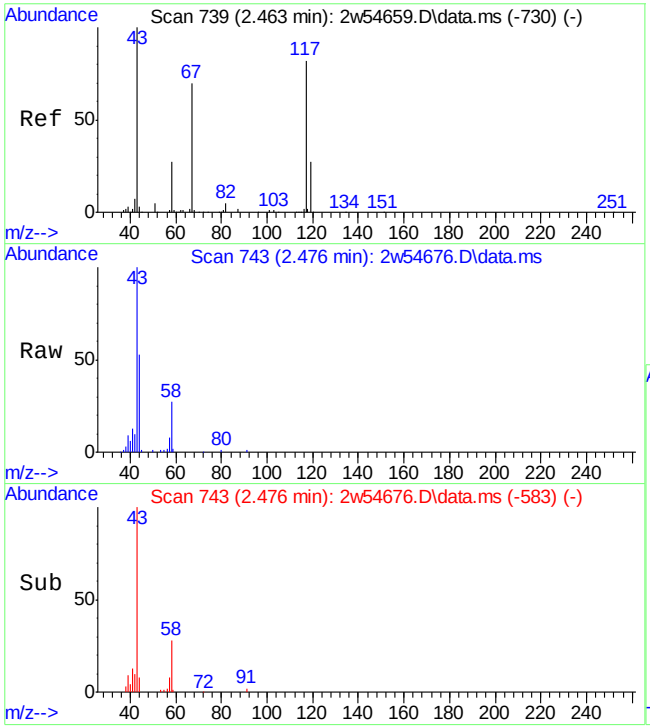


#11
VINYL CHLORIDE
Concen: 0.15 PPBV
RT: 2.036 min Scan# 606
Delta R.T. -0.010 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 62 Resp: 1653

Ion	Ratio	Lower	Upper
62	100		
64	31.2	26.5	39.7
61	13.0	7.3	10.9#

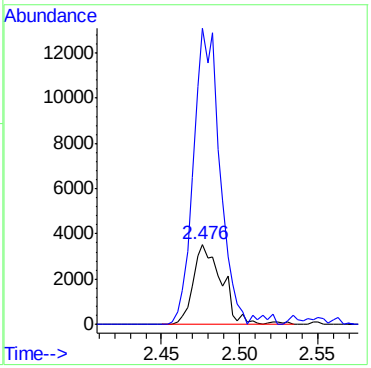


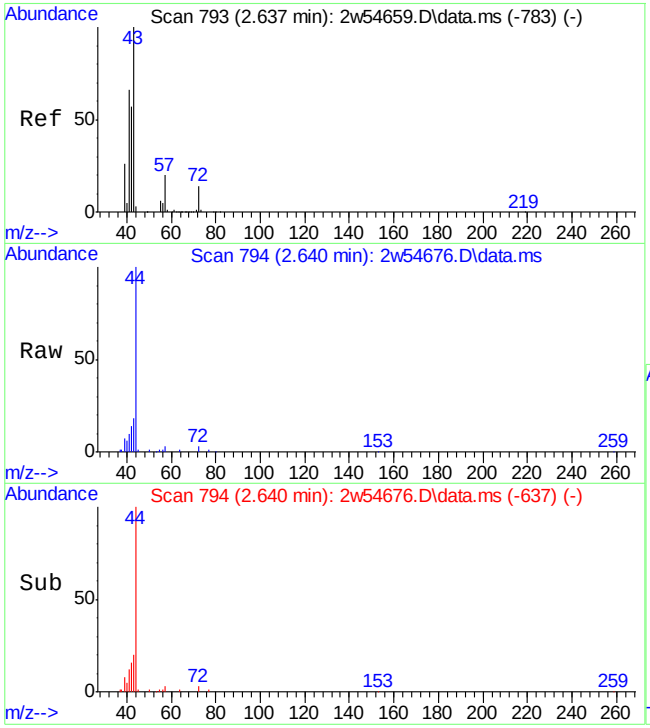


#23
ACETONE
Concen: 0.86 PPBV
RT: 2.476 min Scan# 743
Delta R.T. 0.013 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 58 Resp: 4448

Ion	Ratio	Lower	Upper
58	100		
43	350.8	314.2	471.2

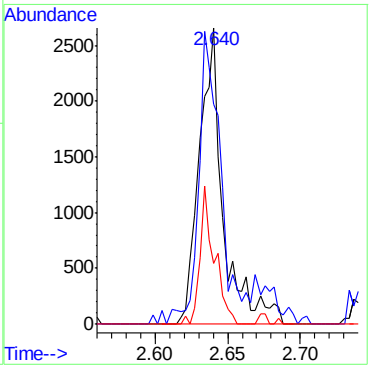


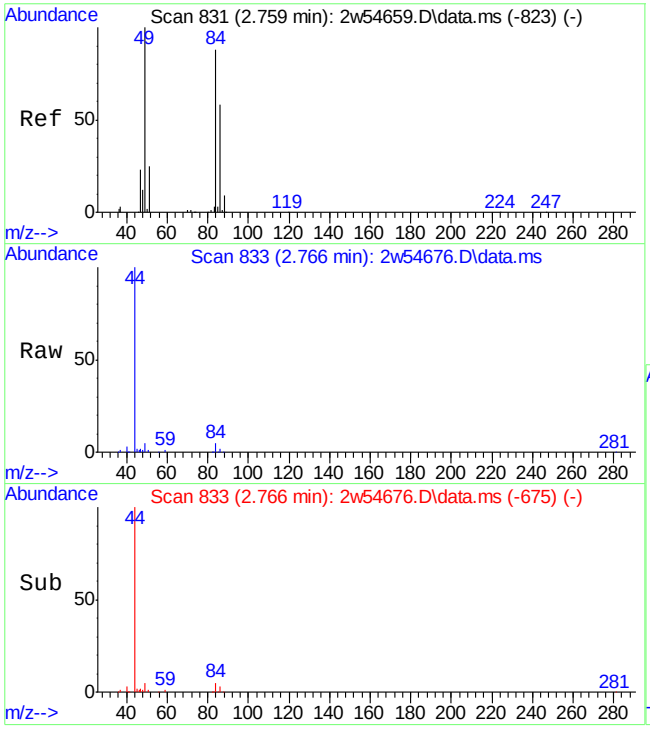


#24
PENTANE
Concen: 0.37 PPBV
RT: 2.640 min Scan# 794
Delta R.T. 0.003 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 42 Resp: 3049

Ion	Ratio	Lower	Upper
42	100		
41	107.3	88.7	133.1
57	28.1	25.9	38.9

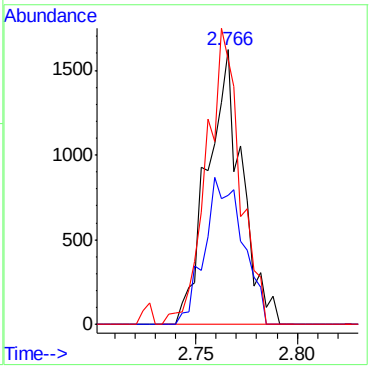


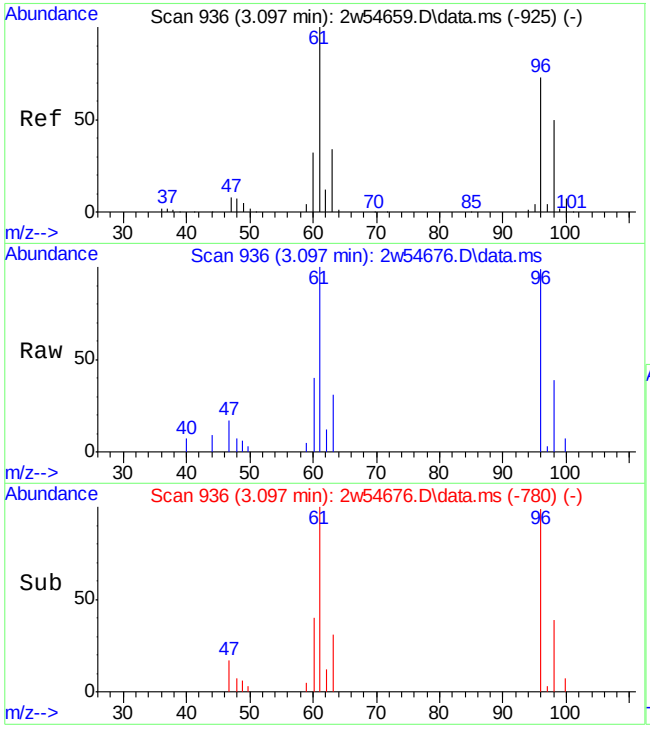


#31
METHYLENE CHLORIDE
Concen: 0.18 PPBV
RT: 2.766 min Scan# 833
Delta R.T. 0.007 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 84 Resp: 1914

Ion	Ratio	Lower	Upper
84	100		
86	59.7	51.8	77.6
49	106.5	89.7	134.5

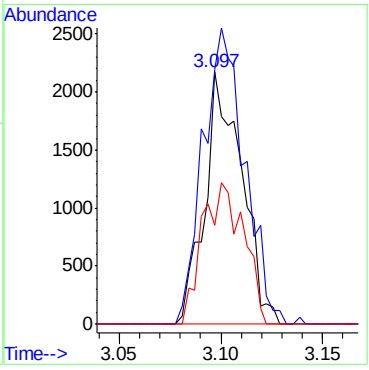


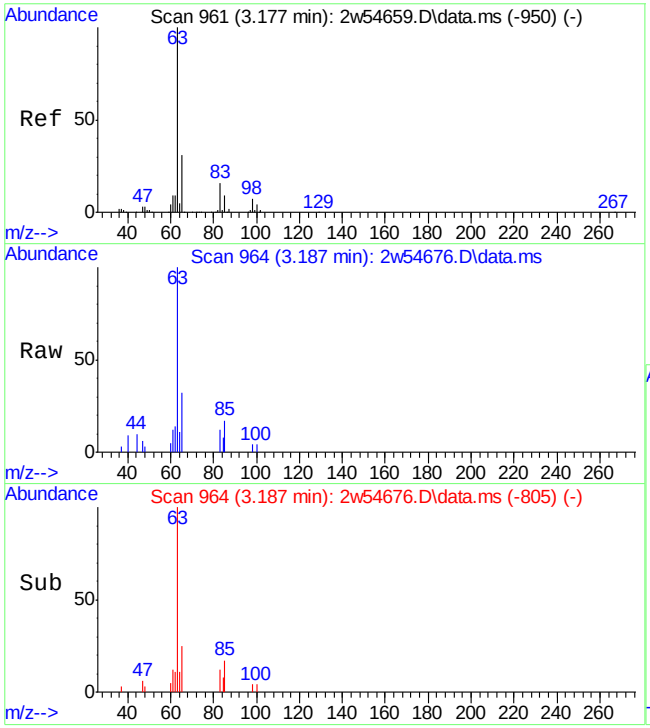


#34
TRANS-1,2-DICHLOROETHENE
Concen: 0.22 PPBV
RT: 3.097 min Scan# 936
Delta R.T. 0.000 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 96 Resp: 2751

Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.7	161.5
98	62.4	51.4	77.0

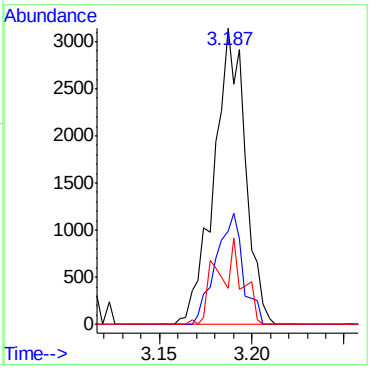


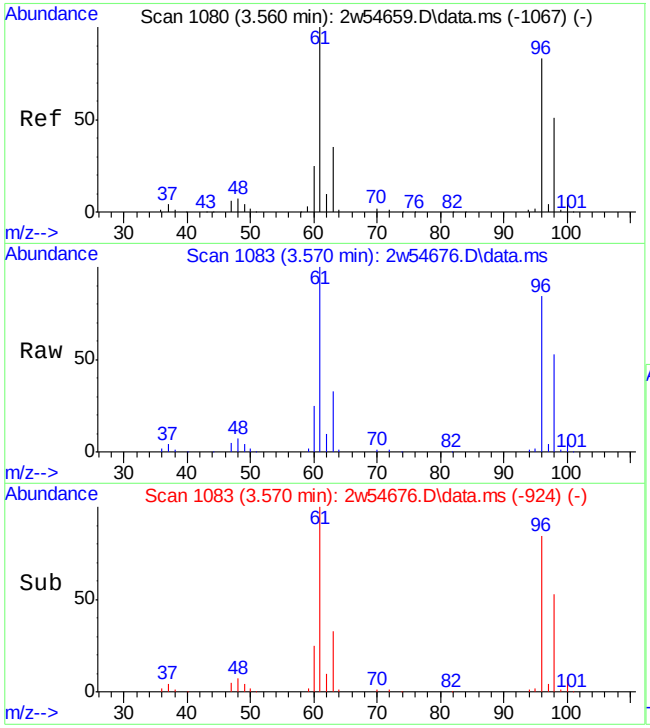


#40
1,1-DICHLOROETHANE
Concen: 0.19 PPBV
RT: 3.187 min Scan# 964
Delta R.T. 0.010 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 63 Resp: 3720

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.0
83	23.3	12.2	18.4#

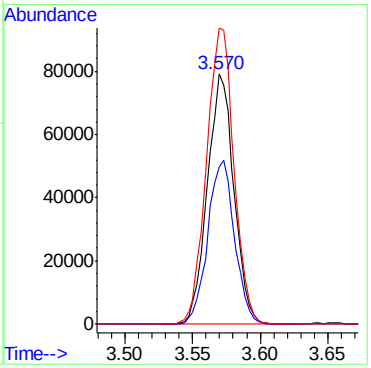


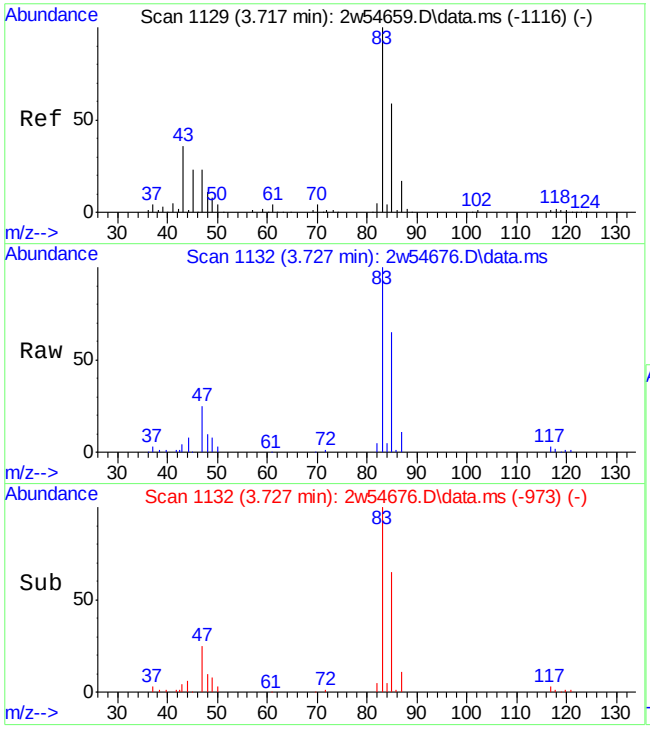


#42
CIS-1,2-DICHLOROETHENE
Concen: 8.40 PPBV
RT: 3.570 min Scan# 1083
Delta R.T. 0.010 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 96 Resp: 107690

Ion	Ratio	Lower	Upper
96	100		
98	66.0	52.5	78.7
61	122.4	100.4	150.6

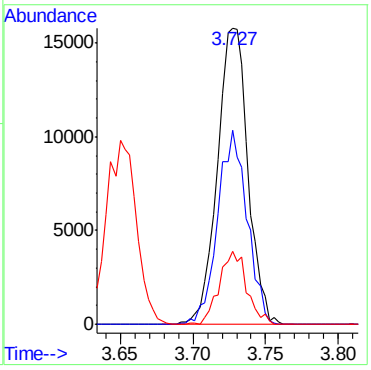


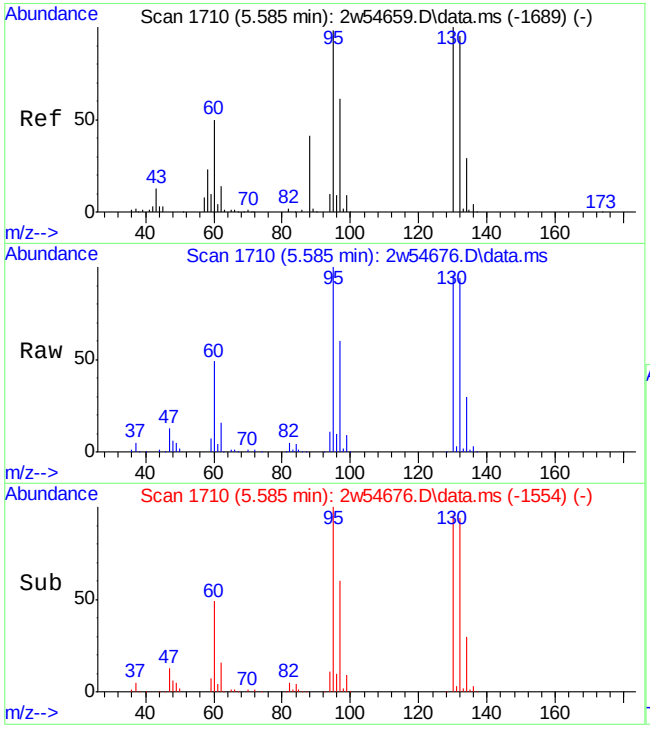


#46
CHLOROFORM
Concen: 0.77 PPBV
RT: 3.727 min Scan# 1132
Delta R.T. 0.010 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 83 Resp: 23178

Ion	Ratio	Lower	Upper
83	100		
85	62.9	61.0	91.6
47	22.2	19.1	28.7

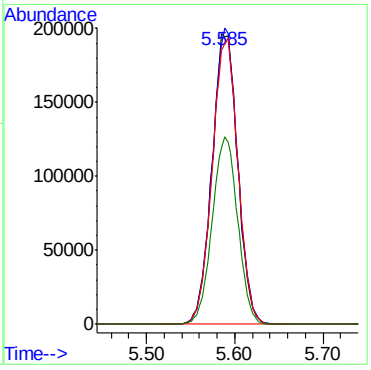


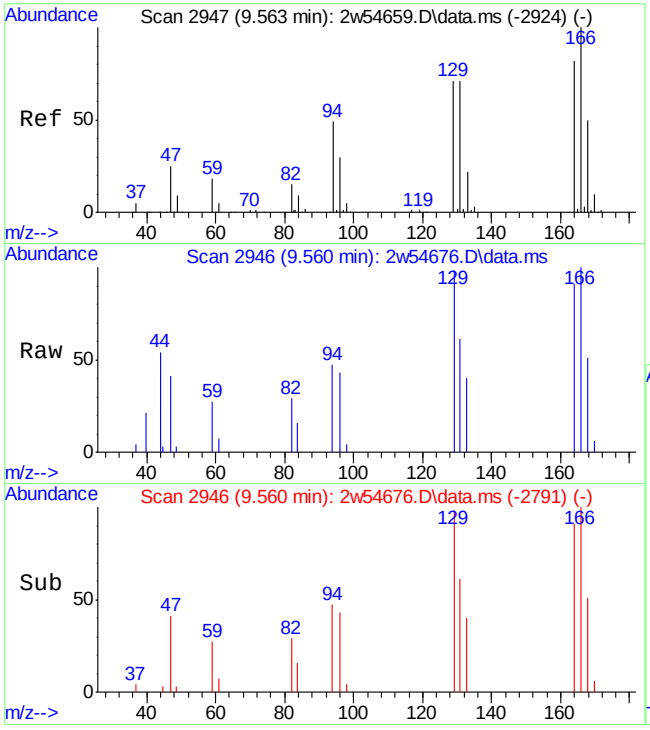


#55
TRICHLOROETHENE
Concen: 21.09 PPBV
RT: 5.585 min Scan# 1710
Delta R.T. 0.000 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion: 95 Resp: 393483

Ion	Ratio	Lower	Upper
95	100		
130	100.4	84.4	126.6
132	98.6	81.0	121.6
97	63.9	52.0	78.0

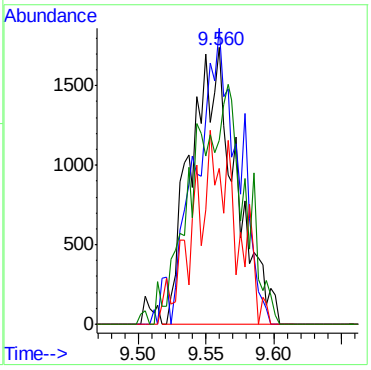


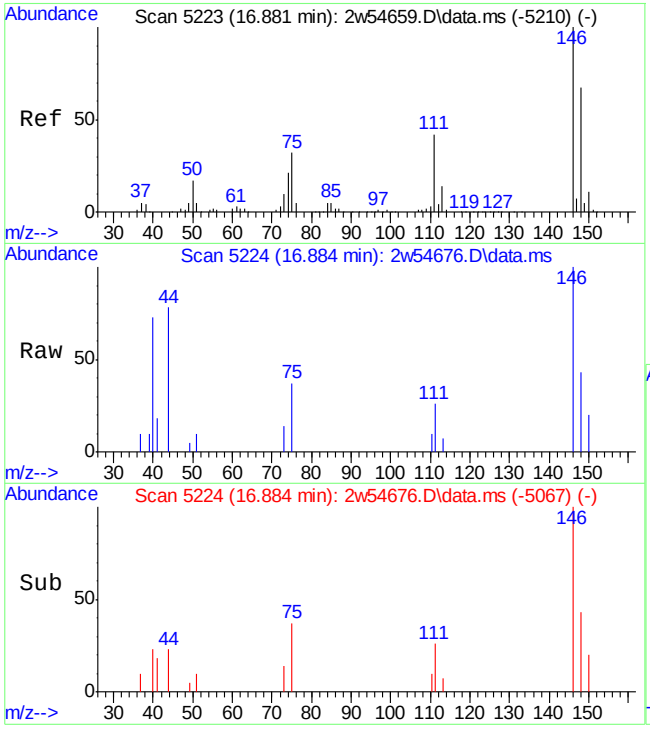


#72
TETRACHLOROETHENE
Concen: 0.19 PPBV
RT: 9.560 min Scan# 2946
Delta R.T. -0.003 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion:164 Resp: 4034

Ion	Ratio	Lower	Upper
164	100		
129	101.2	74.2	111.4
168	64.2	49.3	73.9
131	98.4	70.1	105.1

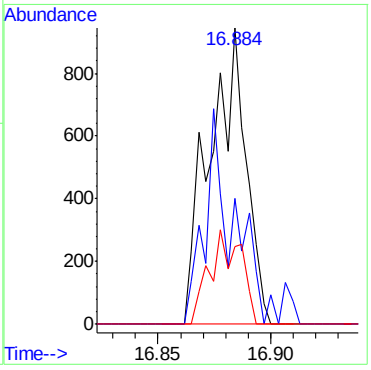




#98
M-DICHLOROBENZENE
Concen: 0.03 PPBV
RT: 16.884 min Scan# 5224
Delta R.T. 0.003 min
Lab File: 2w54676.D
Acq: 28 Jul 2021 2:27 pm

Tgt Ion:146 Resp: 1068

Ion	Ratio	Lower	Upper
146	100		
148	57.5	51.5	77.3
111	27.2	32.2	48.2#



Manual Integration Approval Summary

Sample Number: JD28968-1DUP
Lab FileID: 2W54676.D
Injection Time: 07/28/21 14:27

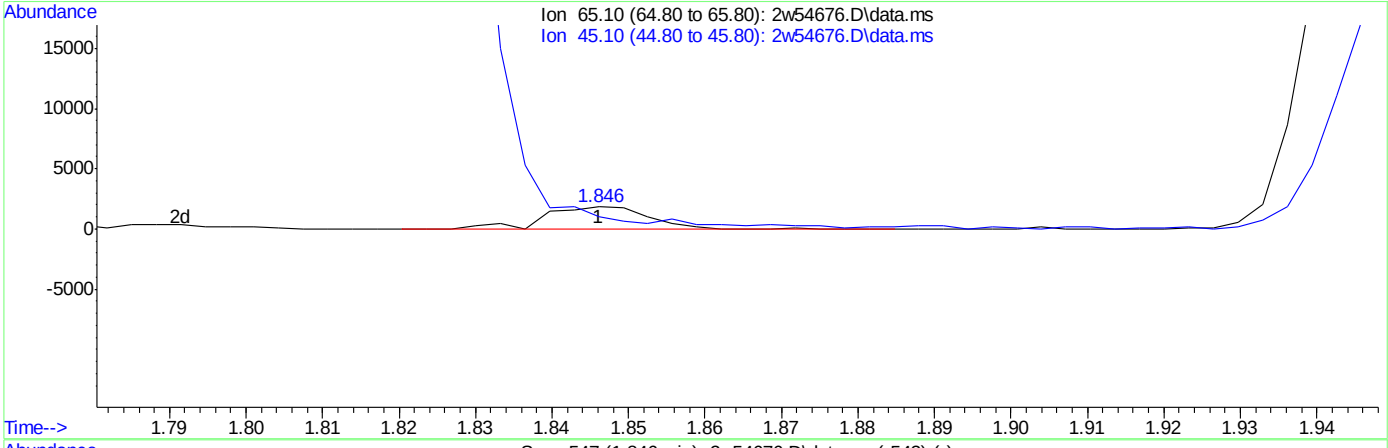
Method: TO-15
Analyst approved: 07/28/21 15:13 Dana Tryon
Supervisor approved: 07/28/21 15:18 Dana Tryon

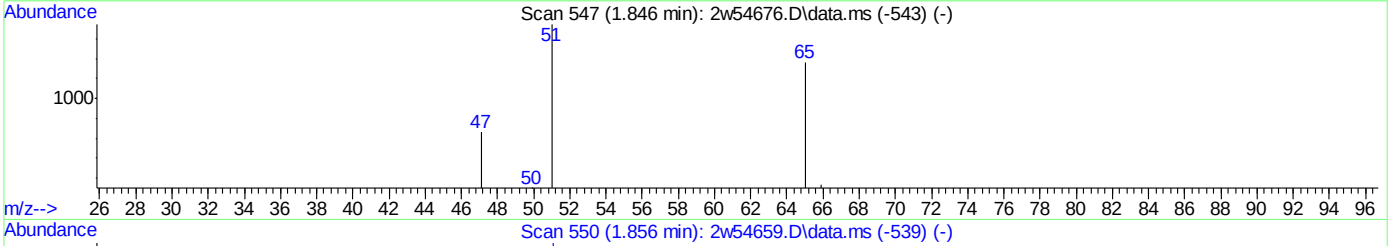
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		1.90	Poor instrument integration

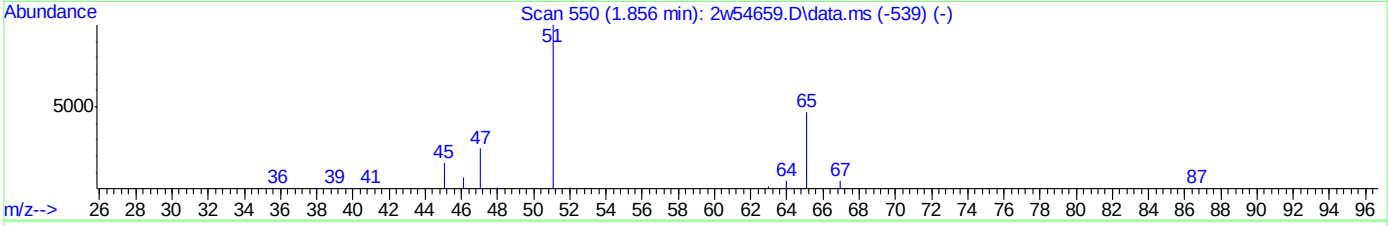
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54676.D
Acq On : 28 Jul 2021 2:27 pm
Operator : thomash
Sample : jd28968-1dup
Misc : MS52591,V2w2425,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 28 14:51:32 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration







TIC: 2w54676.D\data.ms

(3) FREON 152A (T)

1.846min (-0.010) 0.26PPBV

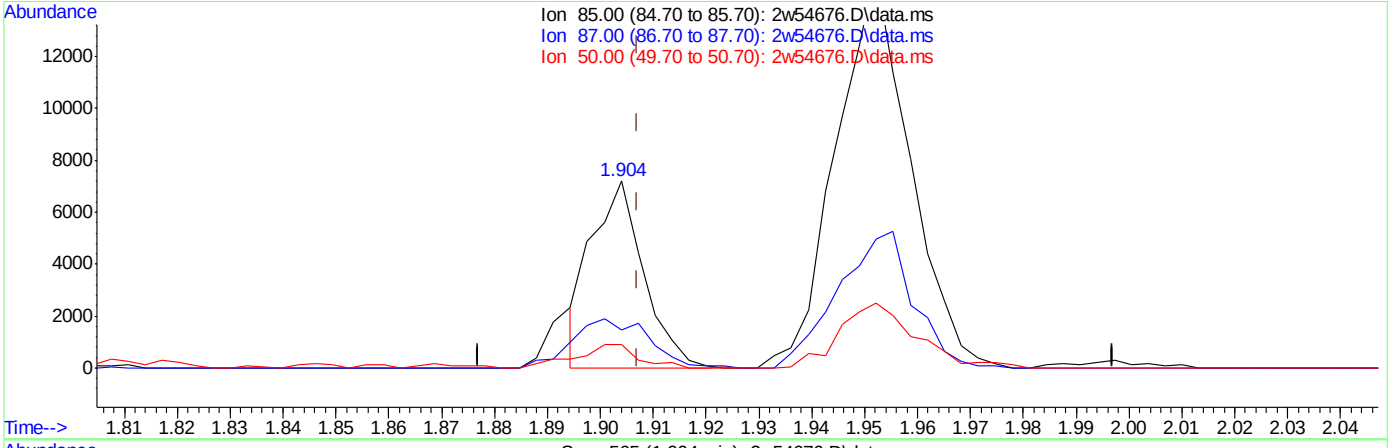
response 1748

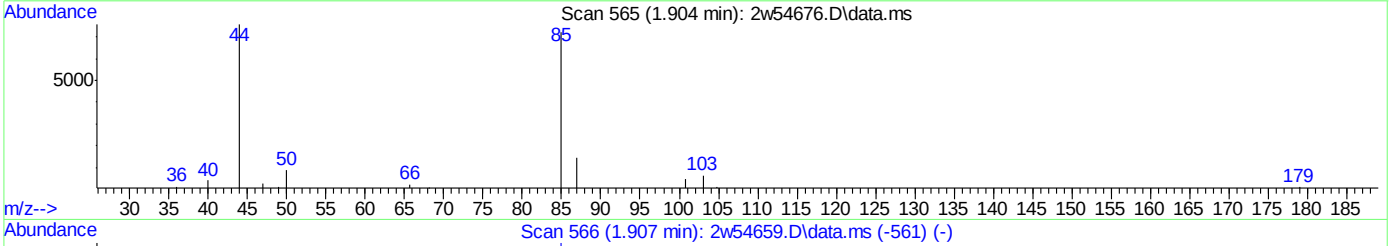
Ion	Exp%	Act%
65.10	100	100
45.10	36.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

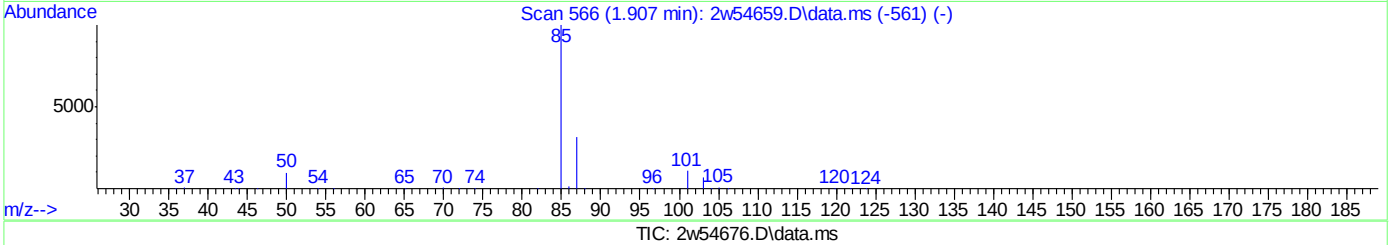
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54676.D
Acq On : 28 Jul 2021 2:27 pm
Operator : thomash
Sample : jd28968-1dup
Misc : MS52591,V2w2425,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 28 14:51:32 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration







TIC: 2w54676.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

1.904min (-0.003) 0.12PPBV

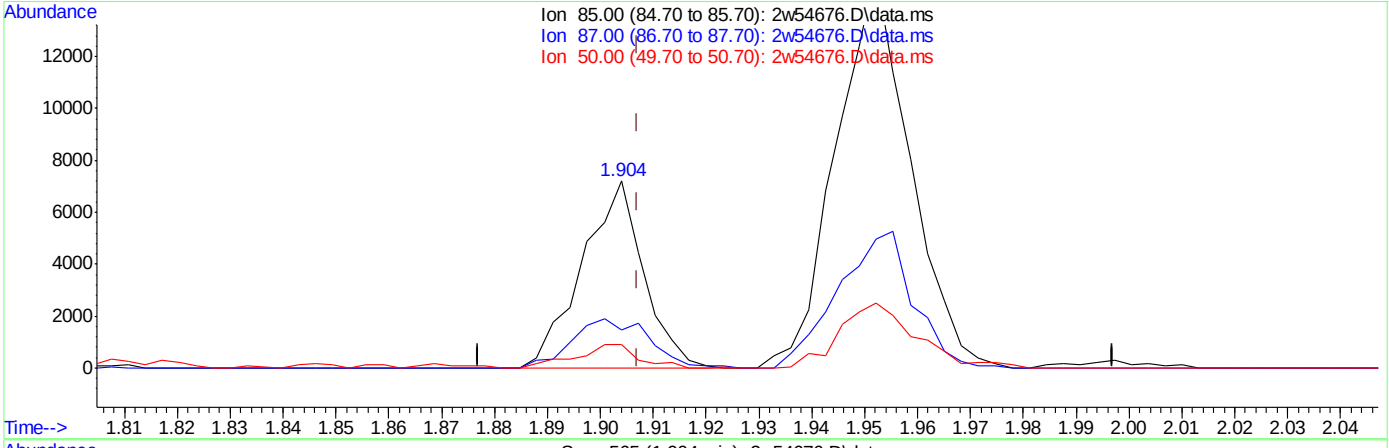
response 4939

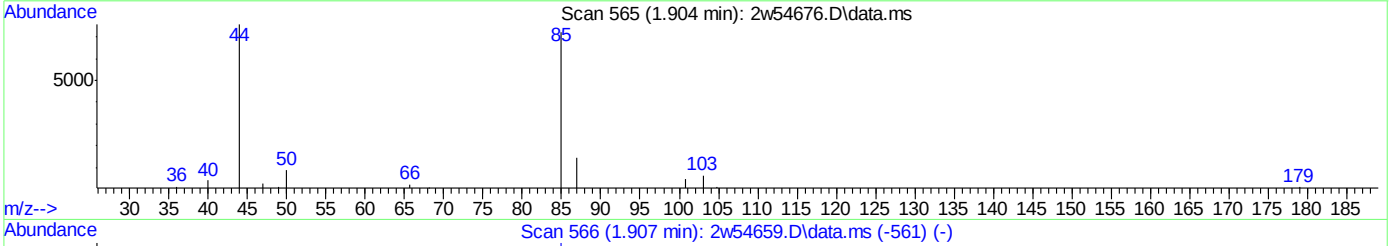
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.35
50.00	11.50	0.00#
0.00	0.00	0.00

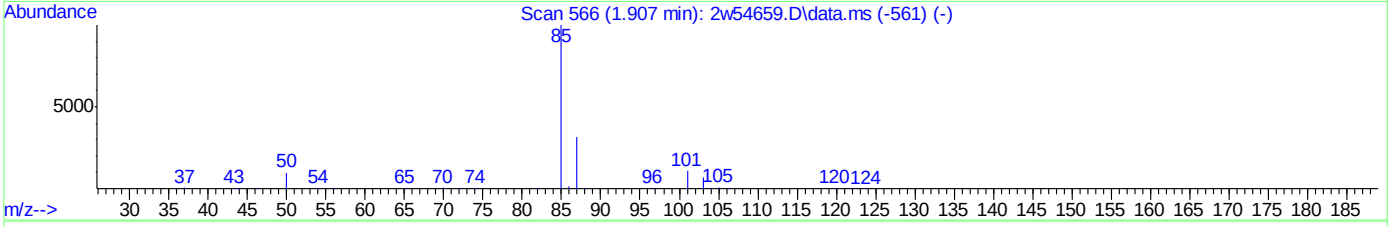
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54676.D
Acq On : 28 Jul 2021 2:27 pm
Operator : thomash
Sample : jd28968-1dup
Misc : MS52591,V2w2425,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 28 14:51:32 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration







TIC: 2w54676.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

1.904min (-0.003) 0.14PPBV m

response 5806

Ion	Exp%	Act%
85.00	100	100
87.00	32.00	27.52
50.00	11.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54076.D
Acq On : 17 Jun 2021 7:05 pm
Operator : thomash
Sample : scc(a224),cp11239
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 09:46:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

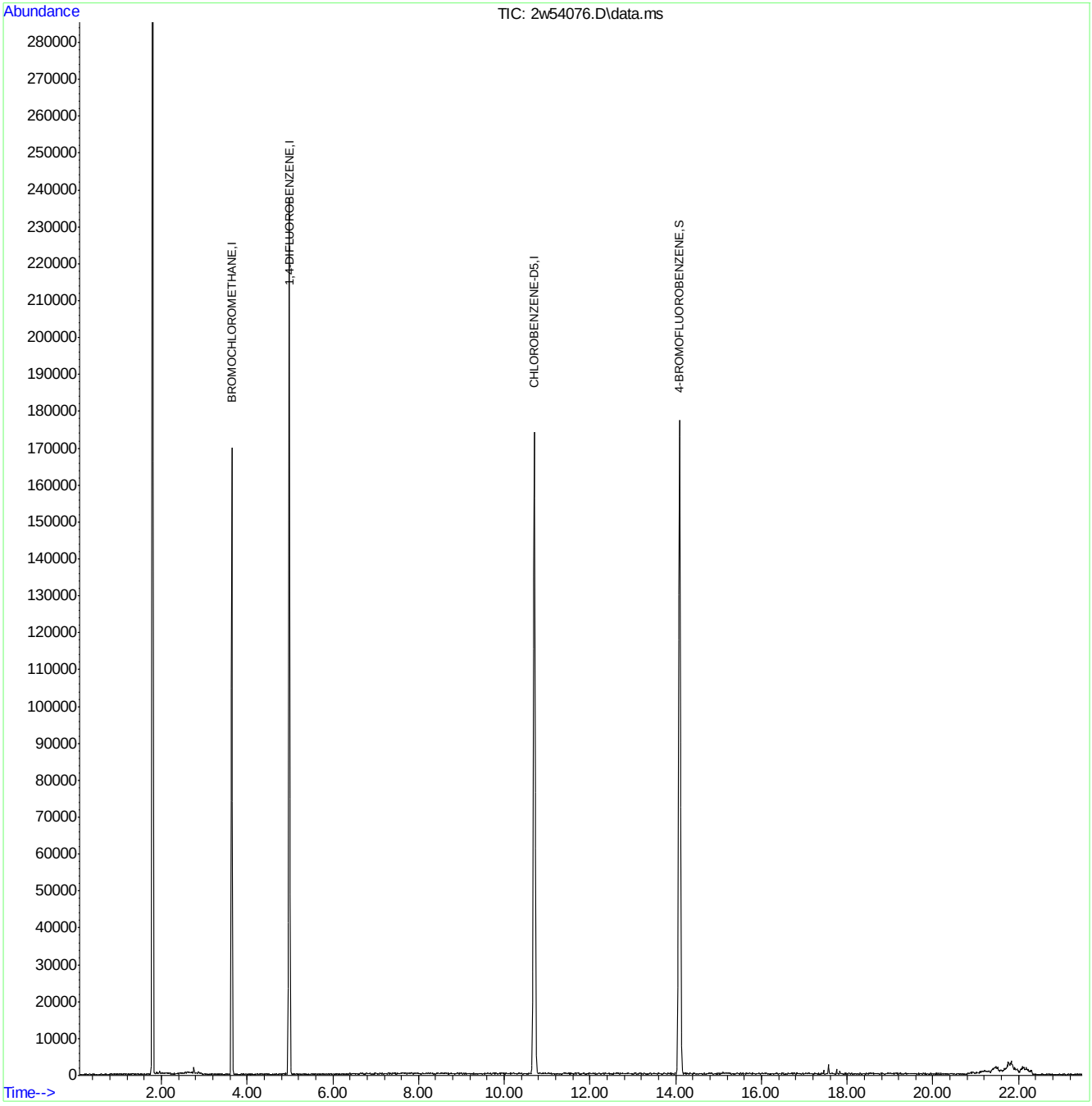
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.640	128	41603	10.00	PPBV	0.02
52) 1,4-DIFLUOROBENZENE	4.981	114	211321	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.698	117	182981	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.093	95	110878	9.80	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54076.D
Acq On : 17 Jun 2021 7:05 pm
Operator : thomash
Sample : scc(a224),cp11239
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

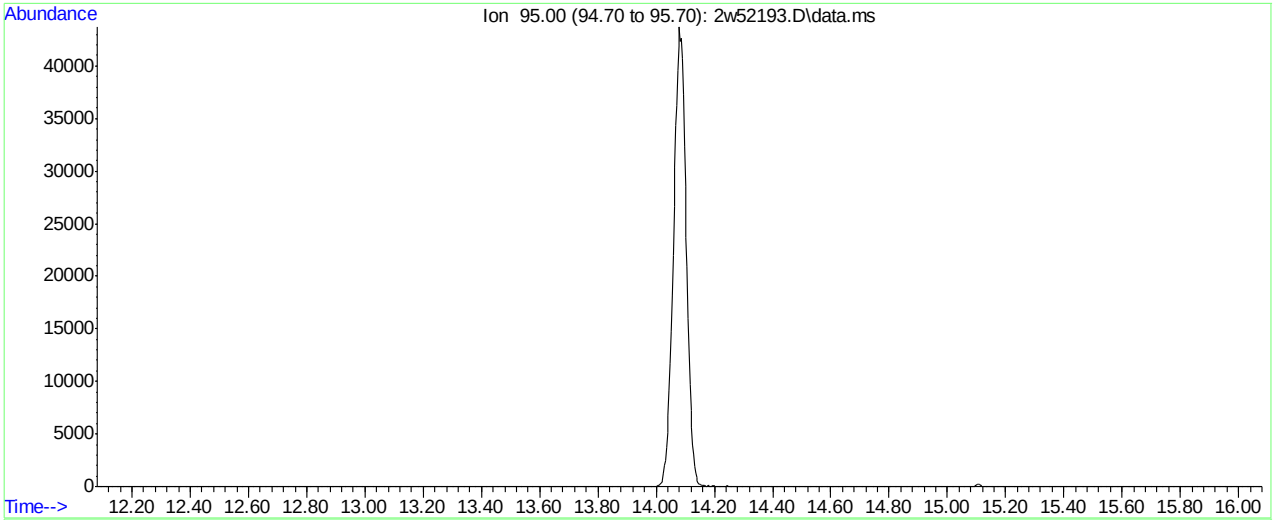
Quant Time: Jun 18 09:46:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\2w52193.D Vial: 1
Acq On : 5 Mar 2021 10:43 am Operator: danat
Sample : bfb Inst : MS2W
Misc : MS49231,V2W2318,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2318.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4351, 4352, 4353; Background Corrected with Scan 4326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	12.9	5496	PASS
75	95	30	66	41.0	17485	PASS
95	95	100	100	100.0	42651	PASS
96	95	5	9	6.3	2702	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.3	41493	PASS
175	174	4	9	7.4	3088	PASS
176	174	93	101	96.0	39827	PASS
177	176	5	9	6.5	2573	PASS

2w52193.D M2W2318.M Tue Mar 09 10:31:21 2021 GCMS2W

Average of 14.077 to 14.084 min.: 2w52193.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	222	51.90	84	69.00	3384	80.85	648
37.00	1169	54.95	73	69.95	235	81.85	108
38.00	1060	55.95	401	72.00	213	86.90	2234
38.95	416	56.95	690	73.00	1503	87.95	2116
43.95	121	59.95	271	74.00	5389	90.85	102
44.95	199	61.00	1375	75.00	17485	91.95	952
46.95	471	62.00	1350	76.00	1496	92.95	1491
47.90	161	63.00	1003	76.95	294	94.00	4421
49.00	1130	63.95	106	77.95	230	95.00	42651
50.00	5496	66.90	101	78.85	664	96.00	2702
51.00	1744	68.00	3299	79.85	187	96.80	25

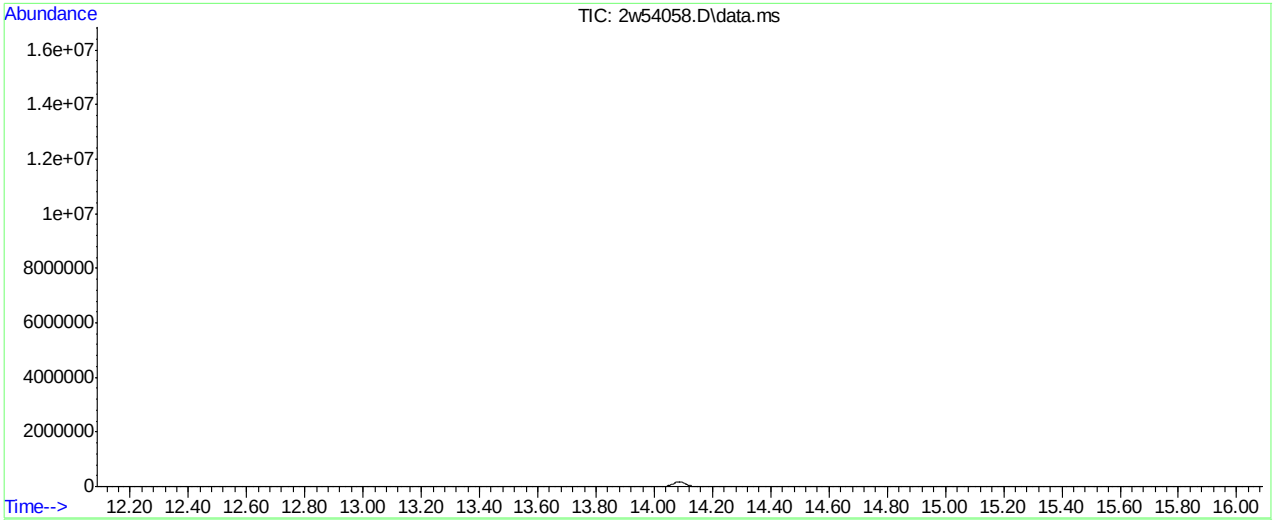
Average of 14.077 to 14.084 min.: 2w52193.D\data.ms
bfb
Modified:subtracted

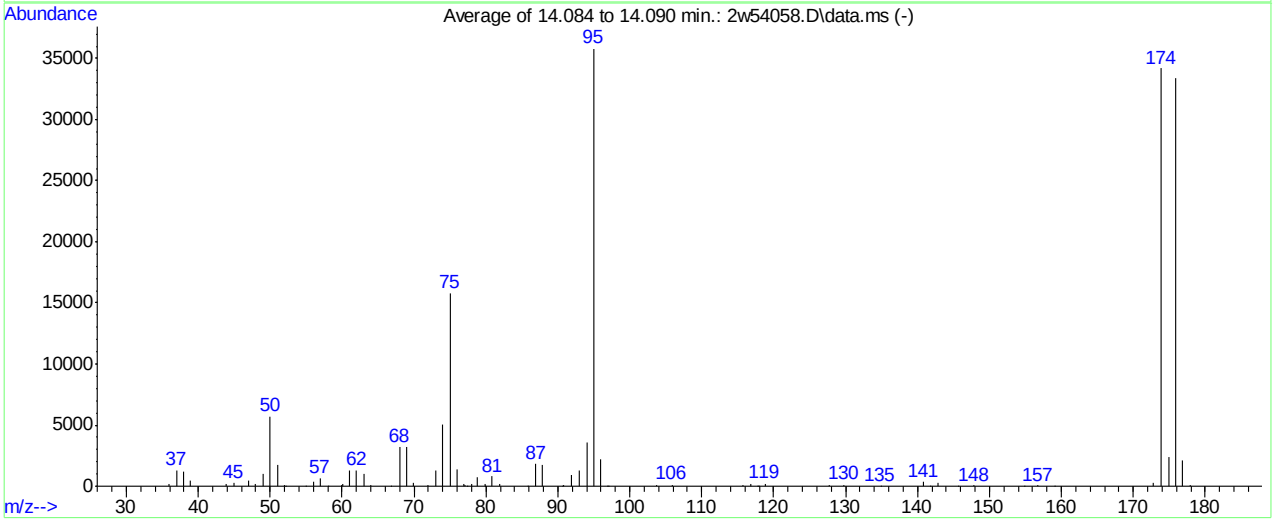
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.70	32	134.85	43				
103.95	78	140.85	227				
104.90	39	142.85	316				
105.85	82	147.95	84				
115.75	97	154.90	75				
116.80	204	156.90	19				
117.80	143	173.90	41493				
118.85	170	174.90	3088				
127.85	113	175.90	39827				
128.80	17	176.90	2573				
129.85	116	177.80	77				

BFB

Data File : C:\msdchem\1\DATA\2w54058.D Vial: 4
Acq On : 17 Jun 2021 6:54 am Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS51572,V2W2397,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2318.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4353, 4354, 4355; Background Corrected with Scan 4329

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.9	5707	PASS
75	95	30	66	44.1	15805	PASS
95	95	100	100	100.0	35816	PASS
96	95	5	9	6.1	2181	PASS
173	174	0.00	2	0.7	240	PASS
174	95	50	120	95.5	34189	PASS
175	174	4	9	7.0	2393	PASS
176	174	93	101	97.6	33379	PASS
177	176	5	9	6.3	2103	PASS

2w54058.D M2W2318.M Fri Jun 18 09:50:29 2021 GCMS2W

Average of 14.084 to 14.090 min.: 2w54058.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	206	51.90	66	63.95	92	77.10	69
36.95	1300	52.10	23	66.85	38	77.40	27
38.00	1180	54.95	36	68.00	3195	77.95	175
38.95	474	56.00	356	69.00	3180	78.85	706
43.90	163	56.95	687	69.95	253	79.80	40
44.95	242	58.00	18	71.90	130	79.95	169
46.95	503	59.90	87	72.95	1332	80.85	788
47.95	181	60.05	159	74.00	5021	81.85	189
49.00	990	61.00	1262	75.00	15805	85.80	30
50.00	5707	62.00	1322	76.00	1421	86.90	1811
51.00	1753	63.00	1030	76.85	205	87.90	1757

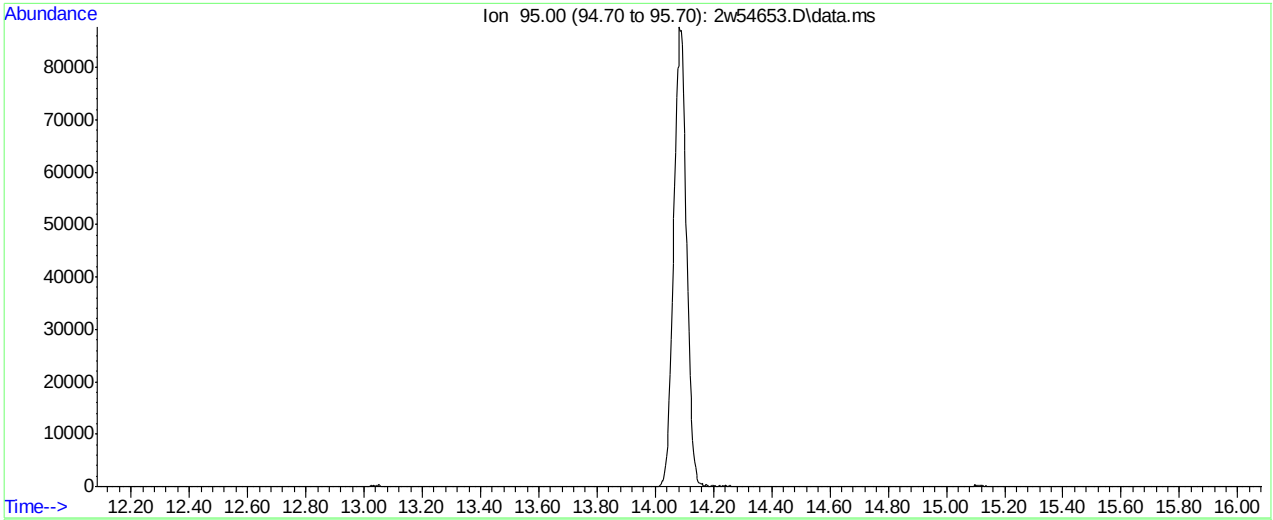
Average of 14.084 to 14.090 min.: 2w54058.D\data.ms
bfb
Modified:subtracted

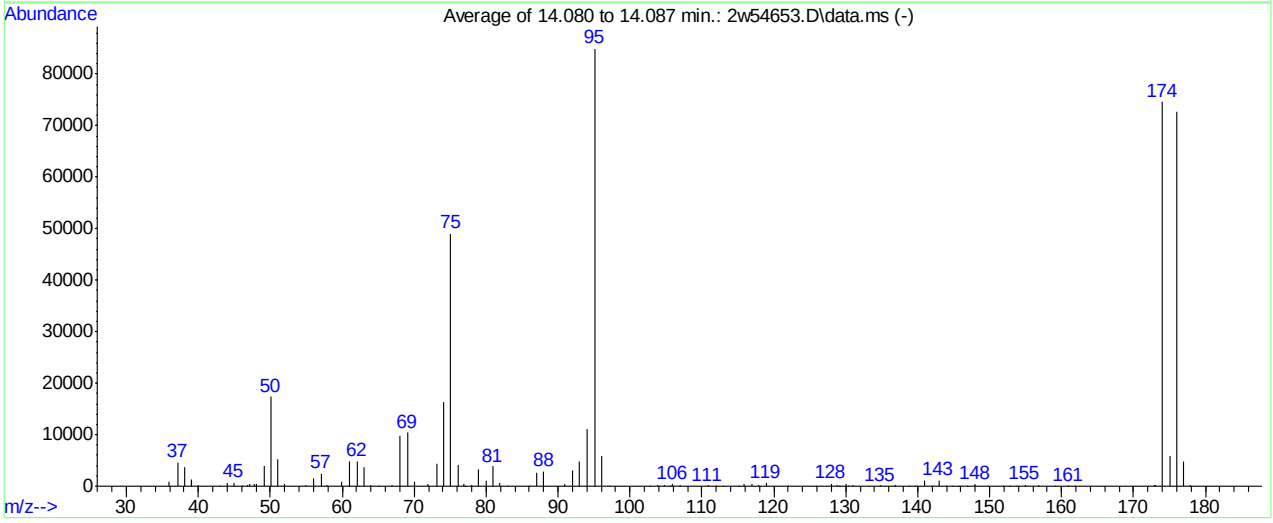
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.70	19	115.80	79	145.70	25		
90.85	82	116.80	164	147.85	76		
91.95	905	117.70	48	154.80	31		
92.90	1295	117.90	26	156.75	68		
94.00	3613	118.80	208	159.10	17		
95.00	35816	127.80	72	172.85	240		
96.00	2181	129.80	118	173.90	34189		
96.80	17	134.90	23	174.90	2393		
97.00	27	140.85	343	175.90	33379		
103.75	121	141.80	17	176.90	2103		
105.85	130	142.85	301	177.90	52		

BFB

Data File : C:\msdchem\1\DATA\2w54653.D Vial: 1
Acq On : 27 Jul 2021 11:06 am Operator: danat
Sample : bfb Inst : MS2W
Misc : MS52290,V2w2424,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2424.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4352, 4353, 4354; Background Corrected with Scan 4326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.4	17344	PASS
75	95	30	66	57.7	49021	PASS
95	95	100	100	100.0	84973	PASS
96	95	5	9	6.9	5881	PASS
173	174	0.00	2	0.3	215	PASS
174	95	50	120	87.8	74597	PASS
175	174	4	9	7.8	5828	PASS
176	174	93	101	97.5	72717	PASS
177	176	5	9	6.6	4763	PASS

2w54653.D M2W2424.M Wed Jul 28 11:12:23 2021 GCMS2W

Average of 14.080 to 14.087 min.: 2w54653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	819	47.80	355	61.05	4738	74.10	16305
37.10	4630	48.10	498	62.05	4793	75.10	49021
38.05	3795	49.10	3954	63.05	3731	76.05	4113
39.05	1415	50.10	17344	64.00	277	76.85	339
39.90	189	51.10	5190	65.00	29	77.10	73
43.00	56	52.00	359	66.85	183	78.05	266
43.95	703	54.95	248	68.00	9888	78.95	3299
44.95	752	56.05	1599	69.05	10396	80.00	1108
46.10	19	57.05	2495	70.00	866	80.95	3863
46.90	301	57.95	300	71.95	439	81.95	753
47.15	501	59.95	929	73.10	4311	83.05	59

Average of 14.080 to 14.087 min.: 2w54653.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	21	103.90	291	116.95	546	134.85	189
87.00	2525	104.75	136	117.85	266	136.70	25
88.00	2850	105.60	73	118.95	639	136.95	147
90.95	353	105.90	384	122.00	87	138.80	46
92.00	3091	106.10	114	125.90	97	139.60	21
93.00	4886	106.90	116	127.95	493	139.90	22
94.05	11142	110.80	168	128.75	188	140.95	1013
95.10	84973	111.90	101	129.10	89	141.90	102
96.05	5881	112.90	80	130.00	399	142.10	90
97.20	70	115.00	72	130.40	67	142.90	1189
102.80	69	115.90	446	130.95	183	143.90	95

Average of 14.080 to 14.087 min.: 2w54653.D\data.ms
bfb
Modified:subtracted

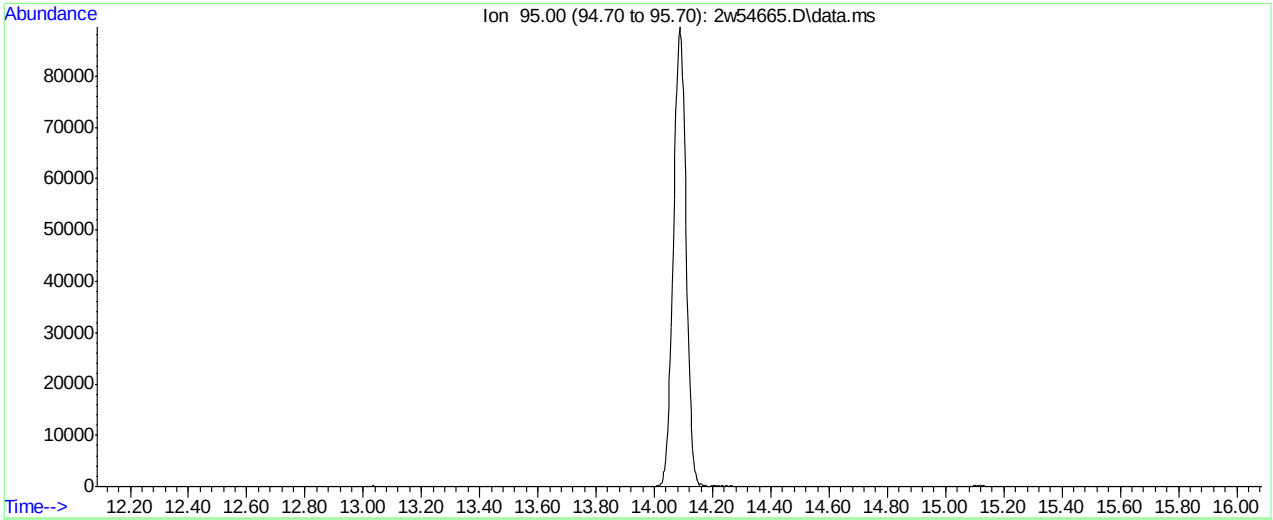
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.90	74	159.00	55				
145.60	18	160.90	71				
145.90	48	161.80	37				
146.90	20	171.90	49				
148.00	390	172.90	189				
149.90	111	173.10	215				
151.90	22	174.00	74597				
152.80	19	175.00	5828				
153.75	80	176.00	72717				
154.95	280	176.95	4763				
156.85	191	177.85	139				

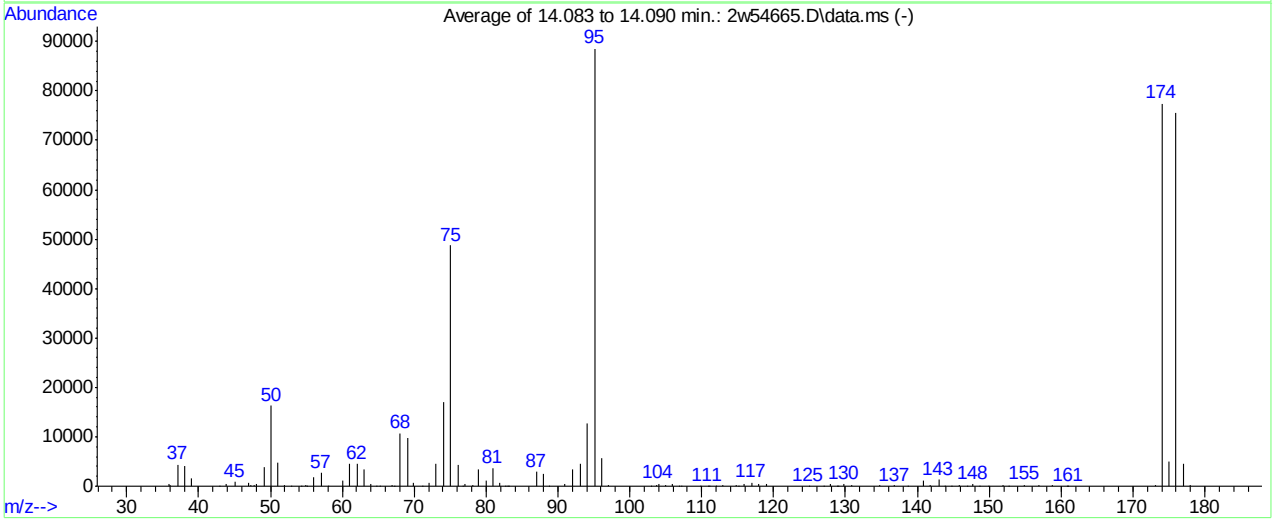
BFB

Data File : C:\msdchem\1\DATA\2w54665.D
Acq On : 28 Jul 2021 7:02 am
Sample : bfb
Misc : MS52290,V2w2425,,,,,1
MS Integration Params: RTEINT.P

Vial: 1
Operator: thomash
Inst : MS2W
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\M2W2424.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4353, 4354, 4355; Background Corrected with Scan 4326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.4	16318	PASS
75	95	30	66	55.0	48715	PASS
95	95	100	100	100.0	88581	PASS
96	95	5	9	6.5	5775	PASS
173	174	0.00	2	0.3	253	PASS
174	95	50	120	87.5	77475	PASS
175	174	4	9	6.5	4998	PASS
176	174	93	101	97.4	75437	PASS
177	176	5	9	5.9	4480	PASS

2w54665.D M2W2424.M Wed Jul 28 13:51:52 2021 GCMS2W

Average of 14.083 to 14.090 min.: 2w54665.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	509	48.05	541	58.05	93	69.05	9680
36.10	263	49.10	3764	60.05	1112	69.90	580
37.05	4389	50.10	16318	61.05	4522	71.15	43
38.05	4016	51.05	4733	62.05	4535	72.05	733
39.00	1543	52.00	332	63.05	3395	73.05	4574
42.90	58	52.80	19	63.95	461	74.10	16940
43.90	451	54.30	30	64.80	23	75.10	48715
45.05	806	54.90	271	65.20	18	76.05	4342
46.90	577	55.10	96	66.95	299	76.70	93
47.30	196	55.95	1820	67.20	80	77.05	476
47.70	140	57.05	2629	68.05	10703	78.10	321

Average of 14.083 to 14.090 min.: 2w54665.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	3376	92.05	3449	106.90	69	117.85	374
80.00	1138	93.05	4548	107.10	25	118.95	500
80.95	3702	94.10	12646	109.80	19	124.90	63
81.95	749	95.10	88581	110.90	59	126.90	17
82.70	25	96.05	5775	111.10	40	127.90	381
83.00	38	97.00	220	112.00	40	128.80	112
83.20	69	102.90	25	112.85	188	129.00	63
87.00	2926	103.80	301	114.75	132	129.80	406
87.95	2501	104.00	551	115.10	94	130.90	176
88.70	67	104.95	166	115.90	552	134.80	149
90.95	394	105.95	375	116.95	785	136.85	214

Average of 14.083 to 14.090 min.: 2w54665.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
138.70	34	151.90	124	177.00	4480		
140.90	1248	152.70	66	177.95	191		
141.75	223	154.95	286				
143.00	1293	156.90	165				
143.80	17	158.85	174				
144.80	89	160.80	39				
145.85	146	161.00	47				
146.95	53	173.10	253				
147.75	357	174.00	77475				
148.70	67	174.95	4998				
149.90	98	176.00	75437				

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52194.D
Acq On : 5 Mar 2021 11:14 am
Operator : danat
Sample : icc2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:45:55 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.624	128	46763	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	237709	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.695	117	212044	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.084	95	131151	9.40	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.837	65	40900	8.48	PPBV		96
4) CHLORODIFLUOROMETHANE	1.853	67	12784	8.82	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.869	116	103922	9.94	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.888	85	150243	9.49	PPBV		99
7) PROPYLENE	1.866	41	41277	7.13	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.940	65	102325	8.92	PPBV		97
9) FREON 114	1.985	85	177806	9.05	PPBV		97
10) CHLOROMETHANE	1.946	52	17015	8.56	PPBV		99
11) VINYL CHLORIDE	2.026	62	69718	9.30	PPBV		99
12) 1,3-BUTADIENE	2.075	54	48777	8.39	PPBV		93
13) N-BUTANE	2.094	43	78954	7.74	PPBV	#	94
14) BROMOMETHANE	2.171	94	71902	9.53	PPBV		99
15) CHLOROETHANE	2.232	64	39374	8.76	PPBV		97
16) DICHLOROFLUOROMETHANE	2.264	67	136043	9.18	PPBV		99
17) ACETONITRILE	2.351	41	44078	6.91	PPBV		98
18) ACROLEIN	2.396	56	29613	9.26	PPBV		100
19) FREON 123	2.416	83	163032	9.76	PPBV		100
20) FREON 123A	2.435	117	90287	9.78	PPBV		90
21) TRICHLOROFLUOROMETHANE	2.502	101	140436	9.91	PPBV		100
22) ISOPROPYL ALCOHOL	2.518	45	91036	7.86	PPBV		99
23) ACETONE	2.441	58	29949	8.10	PPBV		84
24) PENTANE	2.618	42	50750	7.71	PPBV		98
25) IODOMETHANE	2.676	142	195226	10.66	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.702	96	70852	8.86	PPBV		90
27) CARBON DISULFIDE	2.837	76	168044	9.02	PPBV		96
28) ETHANOL	2.271	45	21479	7.36	PPBV		99
29) BROMOETHENE	2.361	106	70366	10.10	PPBV		99
30) ACRYLONITRILE	2.589	52	38512	7.90	PPBV		98
31) METHYLENE CHLORIDE	2.740	84	63677	9.38	PPBV		89
32) 3-CHLOROPROPENE	2.782	76	34363	9.71	PPBV		80
33) FREON 113	2.837	151	120229	10.77	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	3.078	96	70766	10.43	PPBV		90
35) TERTIARY BUTYL ALCOHOL	2.711	59	116877	8.61	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.190	73	164083	8.93	PPBV		98
37) TETRAHYDROFURAN	3.920	72	34203	10.44	PPBV		85
38) HEXANE	3.679	57	101526	8.78	PPBV		94
39) VINYL ACETATE	3.232	86	18297	9.54	PPBV	#	53
40) 1,1-DICHLOROETHANE	3.158	63	108148	9.45	PPBV		98
41) METHYL ETHYL KETONE	3.332	72	33721	9.91	PPBV		75
42) CIS-1,2-DICHLOROETHENE	3.544	96	77206	10.05	PPBV		92
43) DIISOPROPYL ETHER	3.679	59	29607	9.11	PPBV		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52194.D
Acq On : 5 Mar 2021 11:14 am
Operator : danat
Sample : icc2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:45:55 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.686	61	20258	9.24	PPBV		77
45) METHYL ACRYLATE	3.673	55	112170	8.11	PPBV		95
46) CHLOROFORM	3.702	83	123951	9.41	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.223	57	123182	8.71	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.306	97	107735	8.79	PPBV		99
49) CARBON TETRACHLORIDE	4.750	117	104916	8.60	PPBV		100
50) 1,2-DICHLOROETHANE	4.133	62	68270	9.50	PPBV		99
51) BENZENE	4.631	78	229026	9.58	PPBV		96
53) CYCLOHEXANE	4.853	84	103194	10.48	PPBV		92
54) 2,3-DIMETHYLPENTANE	5.116	71	51928	9.96	PPBV		92
55) TRICHLOROETHENE	5.570	95	94903	10.34	PPBV		97
56) 1,2-DICHLOROPROPANE	5.325	63	78817	9.80	PPBV		99
57) DIBROMOMETHANE	5.284	174	99473	10.08	PPBV		96
58) ETHYL ACRYLATE	5.441	55	137785	8.04	PPBV		98
59) BROMODICHLOROMETHANE	5.512	83	130185	9.59	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.666	57	326694	8.94	PPBV		99
61) 1,4-DIOXANE	5.573	88	50997	10.83	PPBV		92
62) HEPTANE	5.991	43	101329	7.65	PPBV		90
63) METHYL METHACRYLATE	5.882	69	80571	8.78	PPBV		88
64) METHYL ISOBUTYL KETONE	6.634	58	63772	9.36	PPBV		88
65) CIS-1,3-DICHLOROPROPENE	6.534	75	113774	9.58	PPBV		95
66) TOLUENE	7.779	91	278588	9.01	PPBV		99
67) 1,3-DICHLOROPROPANE	7.837	76	125618	9.88	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	92395	8.88	PPBV		95
69) 1,1,2-TRICHLOROETHANE	7.396	83	78929	10.05	PPBV		99
70) 2-HEXANONE	8.345	58	80128	8.58	PPBV		89
71) ETHYL METHACRYLATE	8.486	69	126816	8.82	PPBV		93
72) TETRACHLOROETHENE	9.550	164	110005	10.71	PPBV		99
73) DIBROMOCHLOROMETHANE	8.325	129	136988	9.95	PPBV		99
74) 1,2-DIBROMOETHANE	8.679	107	134924	10.28	PPBV		99
75) OCTANE	9.689	43	137357	7.71	PPBV	#	89
77) 1,1,1,2-TETRACHLOROETHANE	10.785	131	102409	10.03	PPBV		98
78) CHLOROBENZENE	10.772	112	221377	10.32	PPBV		97
79) ETHYLBENZENE	11.663	91	336163	8.49	PPBV		98
80) M,P-XYLENE	12.097	91	492322	17.07	PPBV		98
81) O-XYLENE	13.042	91	248660	8.17	PPBV		97
82) STYRENE	12.827	104	212037	9.90	PPBV		98
83) NONANE	14.155	43	135683	8.33	PPBV		90
84) BROMOFORM	11.914	173	134544	10.33	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.049	83	183191	9.74	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.332	75	130102	9.79	PPBV	#	100
88) ISOPROPYLBENZENE	14.563	120	104355	10.83	PPBV		93
89) BROMOBENZENE	14.441	77	163074	9.38	PPBV		93
90) 2-CHLOROTOLUENE	15.579	126	93257	10.39	PPBV		99
91) N-PROPYLBENZENE	15.910	120	104984	10.30	PPBV		99
92) 4-ETHYLTOLUENE	16.228	105	342546	9.57	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	275848	9.55	PPBV		98
94) ALPHA-METHYLSTYRENE	16.560	118	155565	10.02	PPBV		98
95) TERT-BUTYLBENZENE	16.810	134	77206	10.49	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	275218	9.38	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52194.D
Acq On : 5 Mar 2021 11:14 am
Operator : danat
Sample : icc2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:45:55 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration

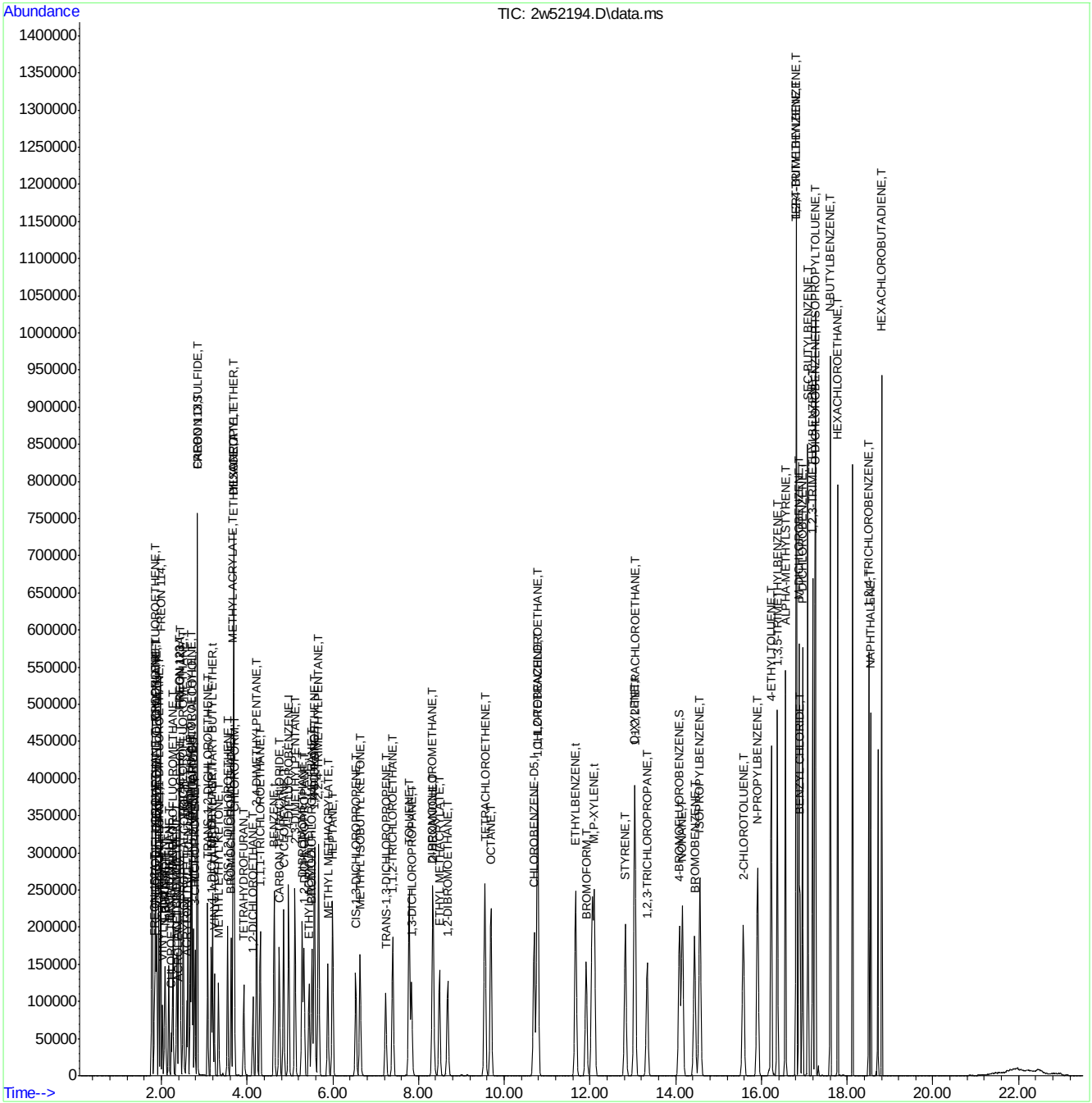
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.900	91	160969	6.40	PPBV	99
98) M-DICHLOROBENZENE	16.878	146	196224	9.60	PPBV	99
99) P-DICHLOROBENZENE	16.958	146	195919	9.33	PPBV	99
100) O-DICHLOROBENZENE	17.248	146	179408	9.55	PPBV	99
101) SEC-BUTYLBENZENE	17.084	134	93949	10.41	PPBV	93
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	263756	9.34	PPBV	98
103) P-ISOPROPYLTOLUENE	17.261	134	97972	10.05	PPBV	99
104) N-BUTYLBENZENE	17.601	134	89767	9.68	PPBV	93
105) HEXACHLOROETHANE	17.778	117	91284	8.37	PPBV	99
106) HEXACHLOROBUTADIENE	18.807	225	101483	7.77	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.502	180	115949	6.89	PPBV	99
108) NAPHTHALENE	18.550	128	232056	6.92	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52194.D
Acq On : 5 Mar 2021 11:14 am
Operator : danat
Sample : icc2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 13:45:55 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52198.D
Acq On : 5 Mar 2021 1:53 pm
Operator : danat
Sample : ic2318-0.5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:19:24 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 13:47:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.621	128	47591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.965	114	242278	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.685	117	220599	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.081	95	135410	9.92	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.837	65	2122	0.51	PPBV		100
4) CHLORODIFLUOROMETHANE	1.856	67	683	0.52	PPBV	#	39
5) CHLOROTRIFLUOROETHENE	1.869	116	5255	0.50	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.888	85	7575	0.50	PPBV		92
7) PROPYLENE	1.866	41	2137	0.51	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.940	65	5314	0.51	PPBV		98
9) FREON 114	1.982	85	8872	0.49	PPBV		99
10) CHLOROMETHANE	1.943	52	770	0.44	PPBV		91
11) VINYL CHLORIDE	2.023	62	3440	0.48	PPBV		98
12) 1,3-BUTADIENE	2.072	54	2459	0.50	PPBV		98
13) N-BUTANE	2.097	43	4068	0.51	PPBV	#	98
14) BROMOMETHANE	2.171	94	3645	0.50	PPBV		98
15) CHLOROETHANE	2.236	64	2027	0.51	PPBV		98
16) DICHLOROFLUOROMETHANE	2.264	67	6785	0.49	PPBV		97
17) ACETONITRILE	2.351	41	3033	0.68	PPBV		96
18) ACROLEIN	2.399	56	1574	0.52	PPBV		97
19) FREON 123	2.416	83	8225	0.50	PPBV		98
20) FREON 123A	2.432	117	4605	0.50	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.502	101	7048	0.49	PPBV		99
22) ISOPROPYL ALCOHOL	2.518	45	6219	0.67	PPBV		99
23) ACETONE	2.441	58	2162	0.71	PPBV		96
24) PENTANE	2.615	42	2660	0.52	PPBV		98
25) IODOMETHANE	2.676	142	9781	0.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.702	96	3652	0.51	PPBV		98
27) CARBON DISULFIDE	2.837	76	7370	0.43	PPBV	#	83
28) ETHANOL	2.271	45	1964	0.90	PPBV	#	95
29) BROMOETHENE	2.361	106	3686	0.51	PPBV		98
30) ACRYLONITRILE	2.586	52	2171	0.55	PPBV		98
31) METHYLENE CHLORIDE	2.737	84	3562	0.55	PPBV		96
32) 3-CHLOROPROPENE	2.779	76	1665	0.48	PPBV		91
33) FREON 113	2.834	151	6208	0.51	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.075	96	3631	0.50	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.711	59	5488	0.46	PPBV	#	94
36) METHYL TERTIARY BUTYL ...	3.190	73	8447	0.51	PPBV		100
37) TETRAHYDROFURAN	3.930	72	1705	0.49	PPBV		93
38) HEXANE	3.676	57	5186	0.50	PPBV		100
39) VINYL ACETATE	3.229	86	716	0.38	PPBV	#	68
40) 1,1-DICHLOROETHANE	3.158	63	5314	0.48	PPBV		99
41) METHYL ETHYL KETONE	3.335	72	1936	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.538	96	3809	0.48	PPBV		97
43) DIISOPROPYL ETHER	3.679	59	1442	0.48	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52198.D
Acq On : 5 Mar 2021 1:53 pm
Operator : danat
Sample : ic2318-0.5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:19:24 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 13:47:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.689	61	983	0.48	PPBV		90
45) METHYL ACRYLATE	3.673	55	5738	0.50	PPBV	#	95
46) CHLOROFORM	3.698	83	6278	0.50	PPBV		95
47) 2,4-DIMETHYLPENTANE	4.216	57	6202	0.49	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.300	97	5285	0.48	PPBV		99
49) CARBON TETRACHLORIDE	4.743	117	4639	0.43	PPBV		99
50) 1,2-DICHLOROETHANE	4.133	62	3506	0.50	PPBV		97
51) BENZENE	4.628	78	11802	0.51	PPBV		98
53) CYCLOHEXANE	4.843	84	5337	0.51	PPBV		98
54) 2,3-DIMETHYLPENTANE	5.120	71	2701	0.51	PPBV		96
55) TRICHLOROETHENE	5.563	95	4939	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	5.319	63	3928	0.49	PPBV		97
57) DIBROMOMETHANE	5.277	174	4981	0.49	PPBV		97
58) ETHYL ACRYLATE	5.441	55	6592	0.47	PPBV		98
59) BROMODICHLOROMETHANE	5.505	83	5953	0.45	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.660	57	16136	0.48	PPBV		99
61) 1,4-DIOXANE	5.592	88	3107	0.60	PPBV	#	97
62) HEPTANE	5.988	43	5097	0.49	PPBV		99
63) METHYL METHACRYLATE	5.882	69	3813	0.46	PPBV		97
64) METHYL ISOBUTYL KETONE	6.637	58	3045	0.47	PPBV		95
65) CIS-1,3-DICHLOROPROPENE	6.531	75	5035	0.43	PPBV		100
66) TOLUENE	7.772	91	14699	0.52	PPBV		100
67) 1,3-DICHLOROPROPANE	7.827	76	6260	0.49	PPBV	#	97
68) TRANS-1,3-DICHLOROPROPENE	7.229	75	3948	0.42	PPBV		95
69) 1,1,2-TRICHLOROETHANE	7.386	83	3939	0.49	PPBV		99
70) 2-HEXANONE	8.341	58	4623	0.57	PPBV		95
71) ETHYL METHACRYLATE	8.483	69	5502	0.43	PPBV		100
72) TETRACHLOROETHENE	9.534	164	5625	0.50	PPBV		96
73) DIBROMOCHLOROMETHANE	8.322	129	5682	0.41	PPBV		98
74) 1,2-DIBROMOETHANE	8.669	107	6561	0.48	PPBV	#	98
75) OCTANE	9.679	43	6857	0.49	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.769	131	4087	0.38	PPBV		92
78) CHLOROBENZENE	10.762	112	11315	0.49	PPBV		98
79) ETHYLBENZENE	11.660	91	17655	0.50	PPBV		99
80) M,P-XYLENE	12.055	91	26066	1.02	PPBV	#	32
81) O-XYLENE	13.029	91	12952	0.50	PPBV		98
82) STYRENE	12.817	104	10515	0.48	PPBV		100
83) NONANE	14.148	43	7037	0.50	PPBV		95
84) BROMOFORM	11.904	173	5012	0.36	PPBV	#	96
85) 1,1,2,2-TETRACHLOROETHANE	13.036	83	9312	0.49	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.328	75	6497	0.48	PPBV	#	99
88) ISOPROPYLBENZENE	14.550	120	5215	0.48	PPBV		99
89) BROMOBENZENE	14.428	77	8229	0.49	PPBV		99
90) 2-CHLOROTOLUENE	15.569	126	4480	0.46	PPBV	#	85
91) N-PROPYLBENZENE	15.907	120	5049	0.46	PPBV		97
92) 4-ETHYLTOLUENE	16.222	105	17360	0.49	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.367	105	13287	0.46	PPBV		98
94) ALPHA-METHYLSTYRENE	16.556	118	7457	0.46	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	3810	0.47	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.814	105	13431	0.47	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52198.D
Acq On : 5 Mar 2021 1:53 pm
Operator : danat
Sample : ic2318-0.5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:19:24 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 13:47:21 2021
Response via : Initial Calibration

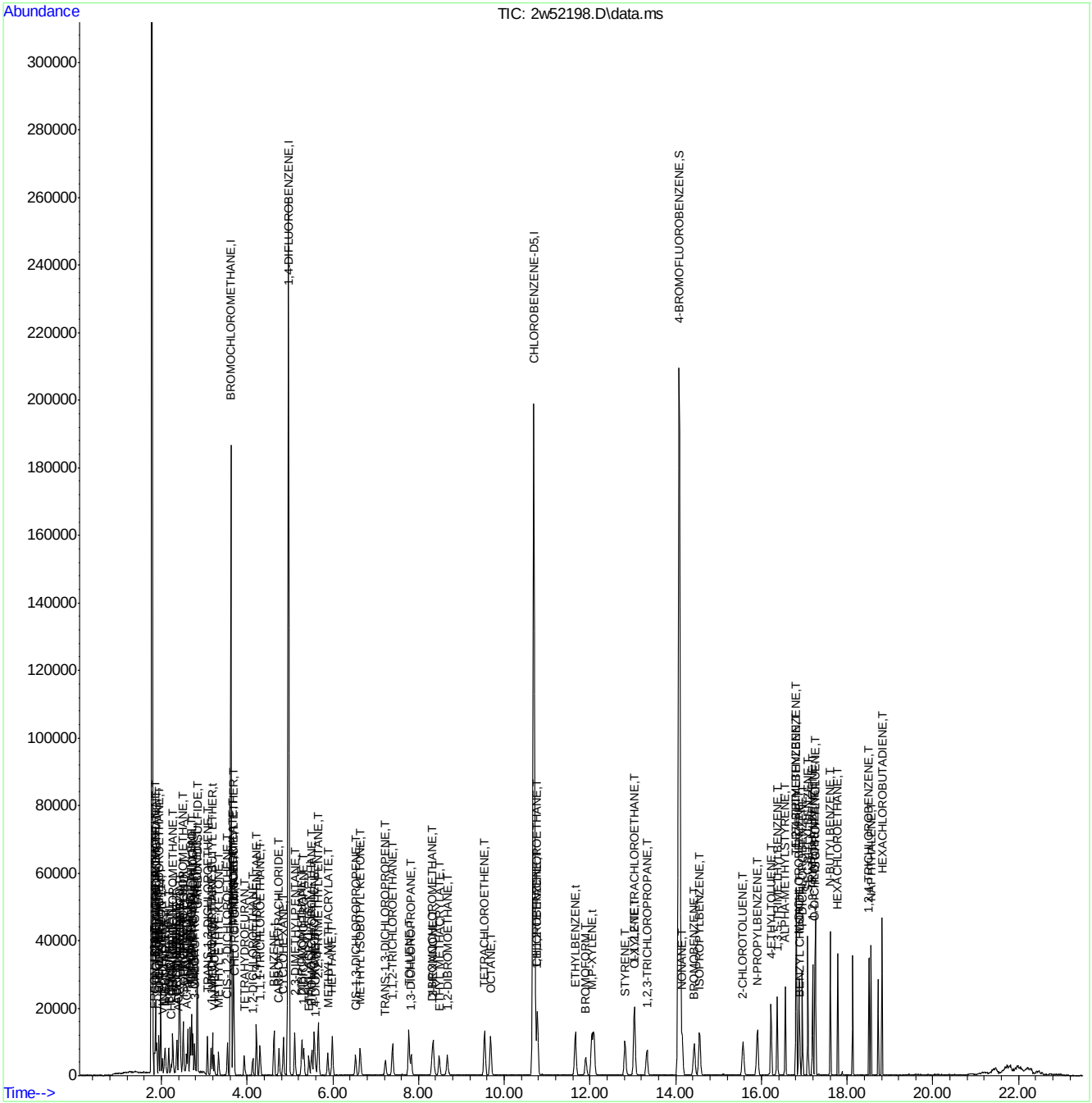
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.894	91	5306	0.32	PPBV	99
98)	M-DICHLOROBENZENE	16.875	146	10288	0.50	PPBV	98
99)	P-DICHLOROBENZENE	16.955	146	10313	0.51	PPBV	99
100)	O-DICHLOROBENZENE	17.245	146	9115	0.49	PPBV	99
101)	SEC-BUTYLBENZENE	17.084	134	4496	0.46	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	12908	0.47	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.261	134	4653	0.46	PPBV	99
104)	N-BUTYLBENZENE	17.601	134	4321	0.46	PPBV	98
105)	HEXACHLOROETHANE	17.782	117	3105	0.33	PPBV	97
106)	HEXACHLOROBUTADIENE	18.817	225	5329	0.50	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	7358	0.61	PPBV	99
108)	NAPHTHALENE	18.556	128	18739	0.78	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52198.D
Acq On : 5 Mar 2021 1:53 pm
Operator : danat
Sample : ic2318-0.5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:19:24 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 13:47:21 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 03/09/21 11:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.624	128	46716	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	241987	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.692	117	215813	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.084	95	133885	10.07	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.840	65	790	0.19	PPBV	#	58
4) CHLORODIFLUOROMETHANE	1.856	67	240	0.18	PPBV	#	39
5) CHLOROTRIFLUOROETHENE	1.872	116	2099	0.20	PPBV		97
6) DICHLORODIFLUOROMETHANE	1.891	85	3202	0.21	PPBV		98
7) PROPYLENE	1.869	41	915	0.22	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.943	65	2026	0.20	PPBV	#	91
9) FREON 114	1.988	85	3454	0.20	PPBV		91
10) CHLOROMETHANE	1.952	52	301	0.19	PPBV	#	69
11) VINYL CHLORIDE	2.026	62	1466	0.21	PPBV	#	92
12) 1,3-BUTADIENE	2.078	54	1022	0.21	PPBV		97
13) N-BUTANE	2.100	43	1685	0.21	PPBV	#	99
14) BROMOMETHANE	2.174	94	1403	0.20	PPBV	#	91
15) CHLOROETHANE	2.239	64	758	0.19	PPBV	#	81
16) DICHLOROFLUOROMETHANE	2.274	67	2815	0.21	PPBV	#	94
17) ACETONITRILE	2.358	41	1164	0.22	PPBV	#	84
18) ACROLEIN	2.399	56	572	0.19	PPBV		86
19) FREON 123	2.419	83	3299	0.20	PPBV		100
20) FREON 123A	2.438	117	1893	0.21	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.509	101	2860	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	2.522	45	2677	0.25	PPBV	#	89
23) ACETONE	2.444	58	890	0.25	PPBV		92
24) PENTANE	2.618	42	1148	0.22	PPBV		98
25) IODOMETHANE	2.673	142	4033	0.21	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.705	96	1436	0.20	PPBV		96
27) CARBON DISULFIDE	2.837	76	2893	0.19	PPBV	#	82
29) BROMOETHENE	2.364	106	1527	0.21	PPBV	#	88
30) ACRYLONITRILE	2.592	52	850	0.21	PPBV		89
31) METHYLENE CHLORIDE	2.740	84	1612	0.24	PPBV		94
32) 3-CHLOROPROPENE	2.782	76	646	0.19	PPBV		81
33) FREON 113	2.837	151	2559	0.21	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	3.078	96	1475	0.21	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.714	59	2283	0.20	PPBV	#	90
36) METHYL TERTIARY BUTYL ...	3.197	73	3256	0.20	PPBV	#	88
37) TETRAHYDROFURAN	3.936	72	684	0.20	PPBV		98
38) HEXANE	3.679	57	2112	0.21	PPBV		99
39) VINYL ACETATE	3.235	86	280	0.17	PPBV	#	61
40) 1,1-DICHLOROETHANE	3.158	63	2127	0.20	PPBV		94
41) METHYL ETHYL KETONE	3.338	72	712	0.20	PPBV	#	84
42) CIS-1,2-DICHLOROETHENE	3.544	96	1587	0.21	PPBV		97
43) DIISOPROPYL ETHER	3.685	59	646	0.22	PPBV		82
44) ETHYL ACETATE	3.695	61	347	0.18	PPBV	#	50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) METHYL ACRYLATE	3.679	55	2244	0.20	PPBV	#	75
46) CHLOROFORM	3.695	83	2465	0.20	PPBV	#	82
47) 2,4-DIMETHYLPENTANE	4.222	57	2464	0.20	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.303	97	2148	0.20	PPBV		92
49) CARBON TETRACHLORIDE	4.747	117	1806	0.18	PPBV		97
50) 1,2-DICHLOROETHANE	4.132	62	1382	0.20	PPBV	#	88
51) BENZENE	4.631	78	4768	0.21	PPBV		97
53) CYCLOHEXANE	4.843	84	2047	0.19	PPBV		98
54) 2,3-DIMETHYLPENTANE	5.110	71	1025	0.19	PPBV	#	93
55) TRICHLOROETHENE	5.573	95	1953	0.20	PPBV		100
56) 1,2-DICHLOROPROPANE	5.329	63	1590	0.20	PPBV		93
57) DIBROMOMETHANE	5.283	174	2213	0.22	PPBV		93
58) ETHYL ACRYLATE	5.447	55	2547	0.19	PPBV	#	83
59) BROMODICHLOROMETHANE	5.512	83	2249	0.18	PPBV		97
60) 2,2,4-TRIMETHYLPENTANE	5.663	57	6747	0.21	PPBV	#	97
61) 1,4-DIOXANE	5.605	88	1341	0.24	PPBV	#	79
62) HEPTANE	5.994	43	1979	0.19	PPBV		99
63) METHYL METHACRYLATE	5.882	69	1464	0.19	PPBV		97
64) METHYL ISOBUTYL KETONE	6.644	58	1226	0.19	PPBV	#	92
65) CIS-1,3-DICHLOROPROPENE	6.534	75	1980	0.18	PPBV		96
66) TOLUENE	7.775	91	6179	0.21	PPBV		97
67) 1,3-DICHLOROPROPANE	7.833	76	2446	0.19	PPBV	#	96
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	1513	0.17	PPBV	#	69
69) 1,1,2-TRICHLOROETHANE	7.393	83	1559	0.20	PPBV		95
70) 2-HEXANONE	8.357	58	1889	0.22	PPBV	#	97
71) ETHYL METHACRYLATE	8.489	69	2075	0.17	PPBV	#	95
72) TETRACHLOROETHENE	9.547	164	2281	0.20	PPBV		96
73) DIBROMOCHLOROMETHANE	8.325	129	2115	0.17	PPBV		97
74) 1,2-DIBROMOETHANE	8.682	107	2375	0.18	PPBV	#	93
75) OCTANE	9.679	43	2840	0.21	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.782	131	1651	0.18	PPBV	#	69
78) CHLOROBENZENE	10.775	112	4513	0.20	PPBV		99
79) ETHYLBENZENE	11.659	91	7551	0.22	PPBV		99
80) M,P-XYLENE	12.090	91	11050	0.44	PPBV		98
81) O-XYLENE	13.045	91	5640	0.22	PPBV		93
82) STYRENE	12.820	104	4191	0.20	PPBV		98
83) NONANE	14.151	43	2710	0.20	PPBV		93
84) BROMOFORM	11.904	173	1706m	0.15	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	3691	0.20	PPBV	#	96
86) 1,2,3-TRICHLOROPROPANE	13.328	75	2683	0.21	PPBV	#	99
88) ISOPROPYLBENZENE	14.566	120	1993	0.19	PPBV	#	59
89) BROMOBENZENE	14.441	77	3247	0.20	PPBV		99
90) 2-CHLOROTOLUENE	15.576	126	1779m	0.19	PPBV		
91) N-PROPYLBENZENE	15.913	120	2064	0.20	PPBV		93
92) 4-ETHYLTOLUENE	16.225	105	6667	0.19	PPBV	#	97
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	5593	0.21	PPBV		93
94) ALPHA-METHYLSTYRENE	16.560	118	3027	0.20	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	1507	0.20	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	5326	0.20	PPBV		99
97) BENZYL CHLORIDE	16.897	91	2187	0.16	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration

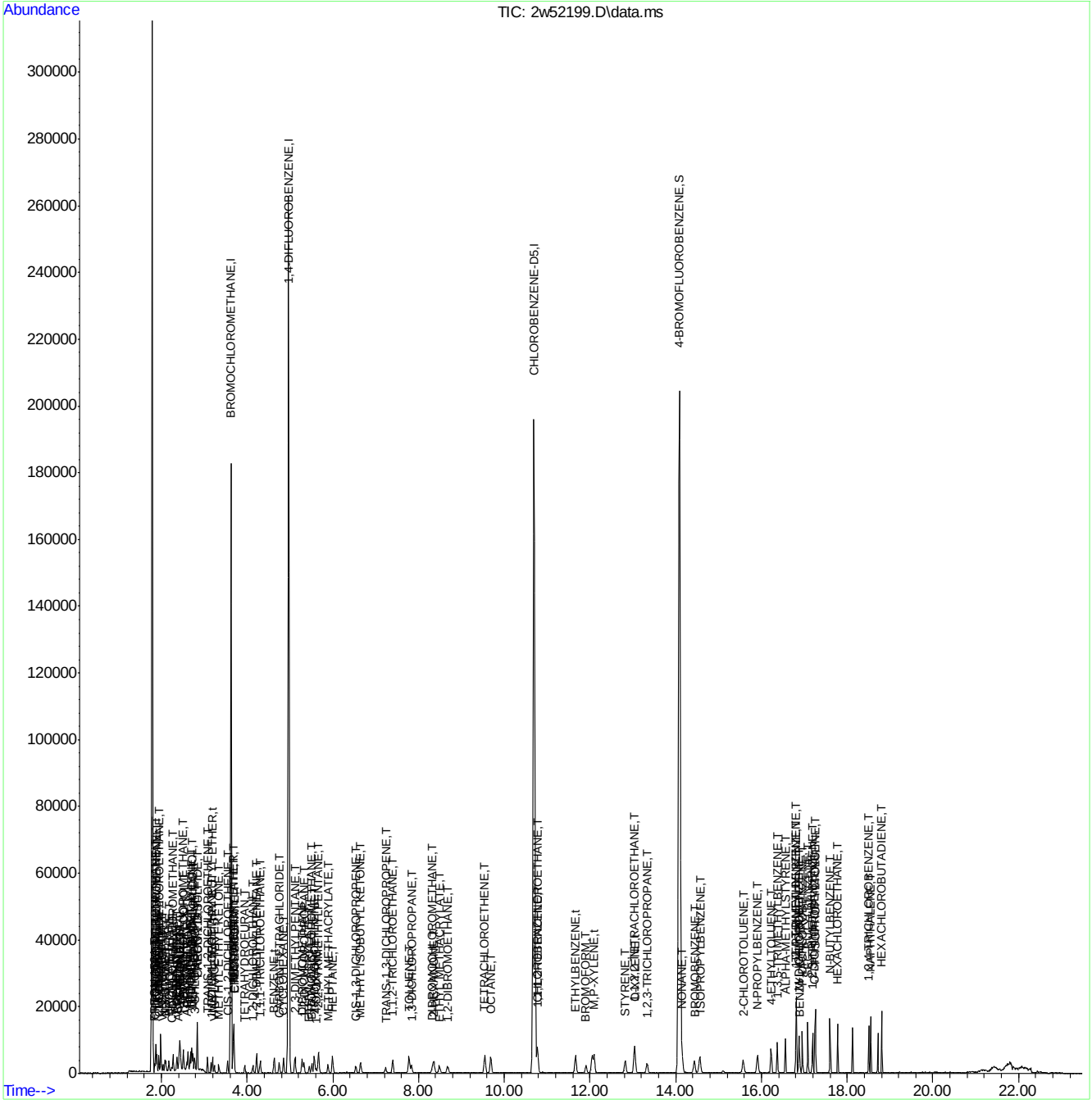
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.875	146	4195	0.21	PPBV	98
99)	P-DICHLOROBENZENE	16.955	146	4021	0.20	PPBV	95
100)	O-DICHLOROBENZENE	17.244	146	3803	0.21	PPBV	98
101)	SEC-BUTYLBENZENE	17.080	134	1825	0.20	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	5194	0.20	PPBV	97
103)	P-ISOPROPYLTOLUENE	17.257	134	1835	0.19	PPBV	91
104)	N-BUTYLBENZENE	17.598	134	1646	0.19	PPBV	93
105)	HEXACHLOROETHANE	17.775	117	1084	0.14	PPBV	95
106)	HEXACHLOROBUTADIENE	18.807	225	2148	0.21	PPBV	98
107)	1,2,4-TRICHLOROBENZENE	18.502	180	2789	0.21	PPBV	91
108)	NAPHTHALENE	18.550	128	7867	0.26	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration



Manual Integration Approval Summary

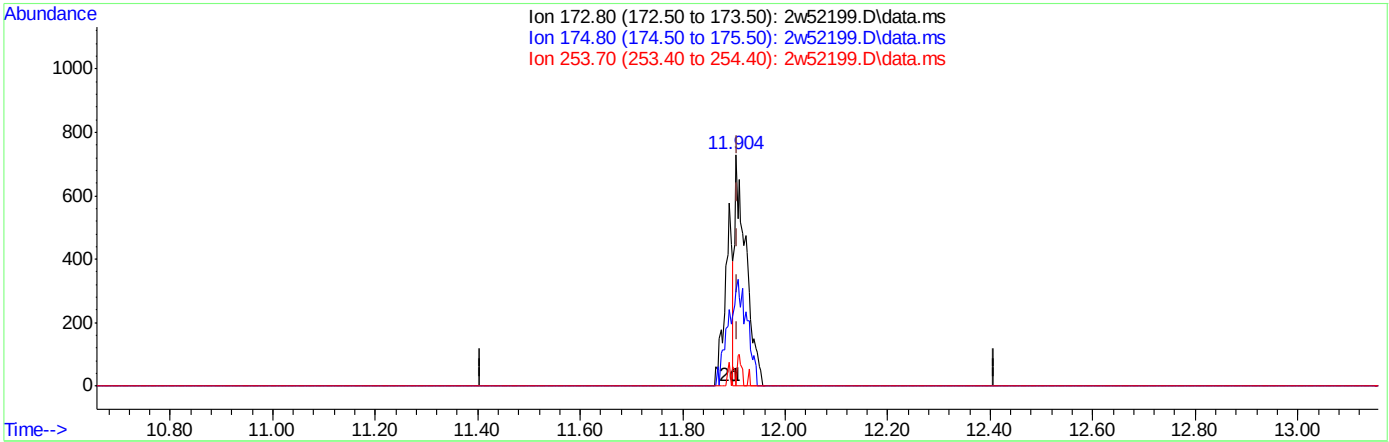
Sample Number: V2W2318-IC2318 **Method:** TO-15
Lab FileID: 2W52199.D **Analyst approved:** 03/09/21 10:38 Dana Tryon
Injection Time: 03/05/21 14:24 **Supervisor approved:** 03/09/21 11:21 Dana Tryon

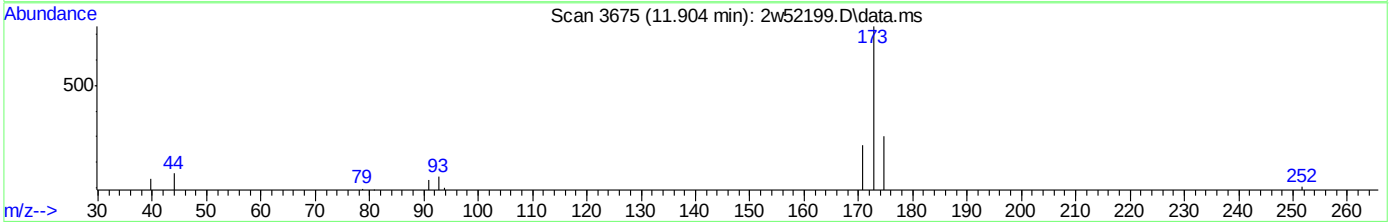
Parameter	CAS	Sig#	R.T. (min.)	Reason
Bromoform	75-25-2		11.90	Poor instrument integration
2-Chlorotoluene	95-49-8		15.58	Poor instrument integration

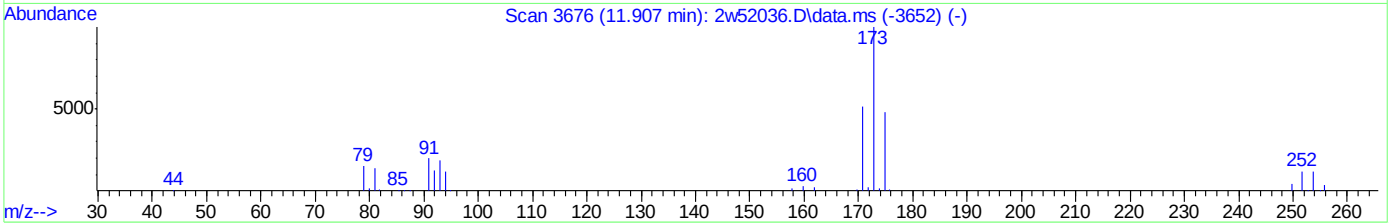
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:21:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2310.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(84) BROMOFORM (T)

11.904min (-0.003) 0.08PPBV

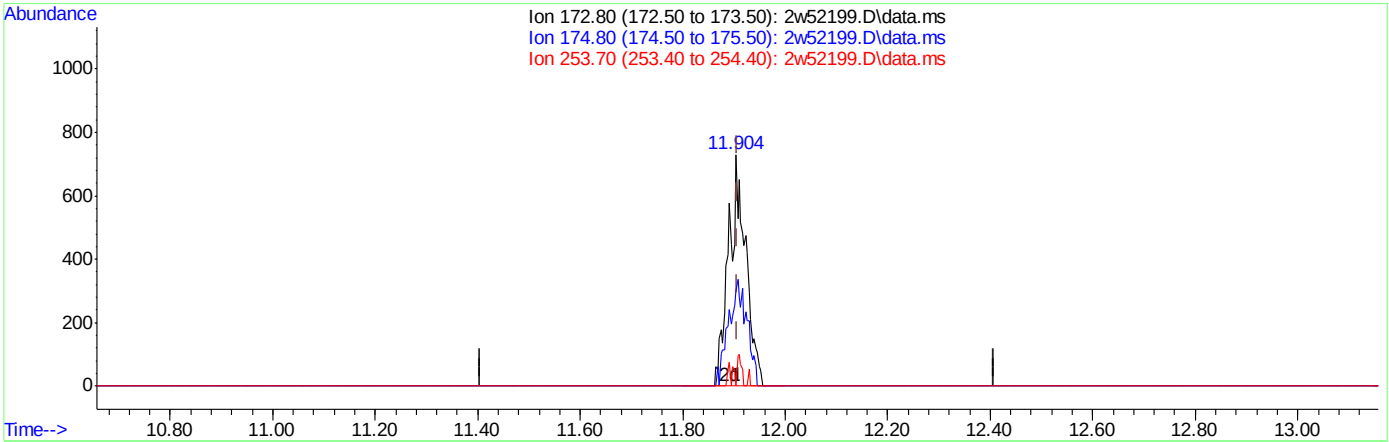
response 1124

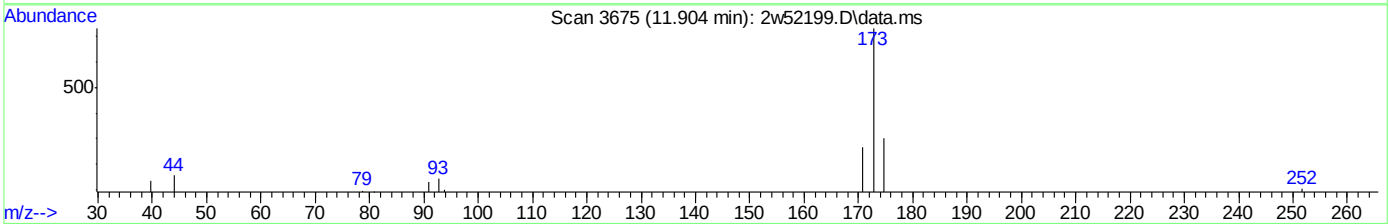
Ion	Exp%	Act%
172.80	100	100
174.80	49.10	74.64#
253.70	12.30	0.00#
0.00	0.00	0.00

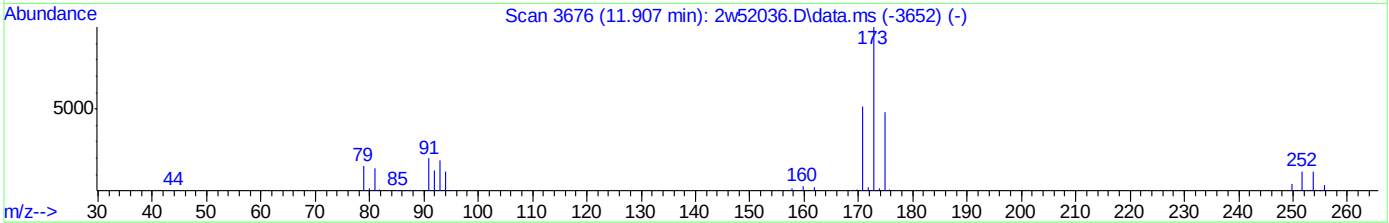
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:21:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2310.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(84) BROMOFORM (T)

11.904min (-0.003) 0.13PPBV m

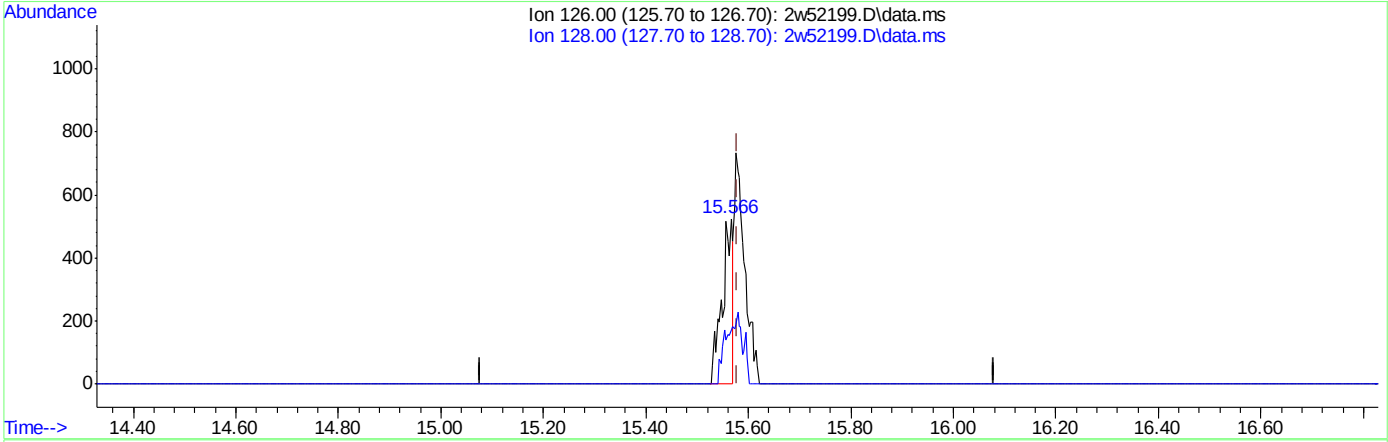
response 1706

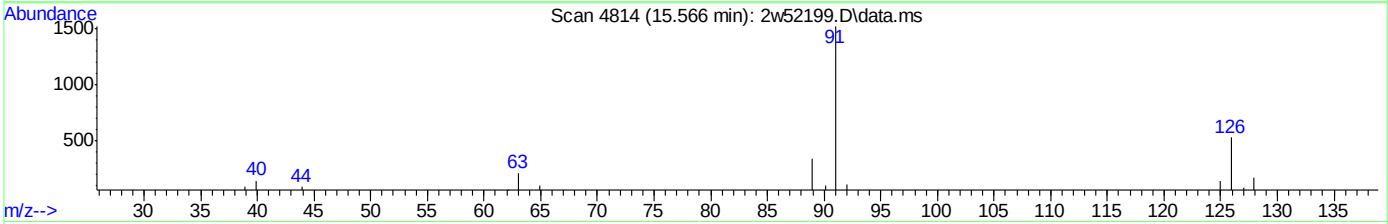
Ion	Exp%	Act%
172.80	100	100
174.80	49.10	49.18
253.70	12.30	0.00#
0.00	0.00	0.00

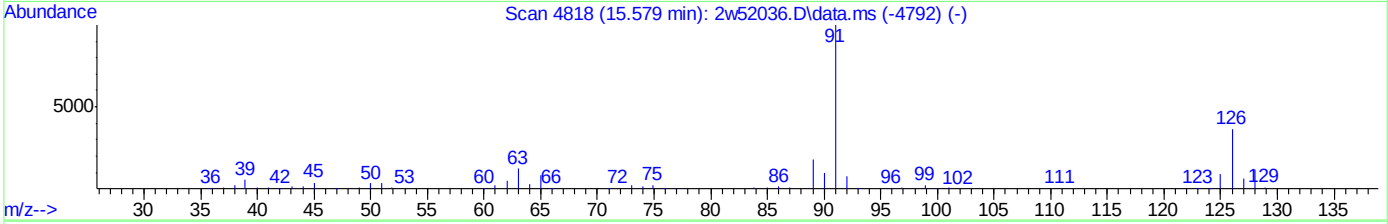
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:21:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2310.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(90) 2-CHLOROTOLUENE (T)

15.566min (-0.013) 0.08PPBV

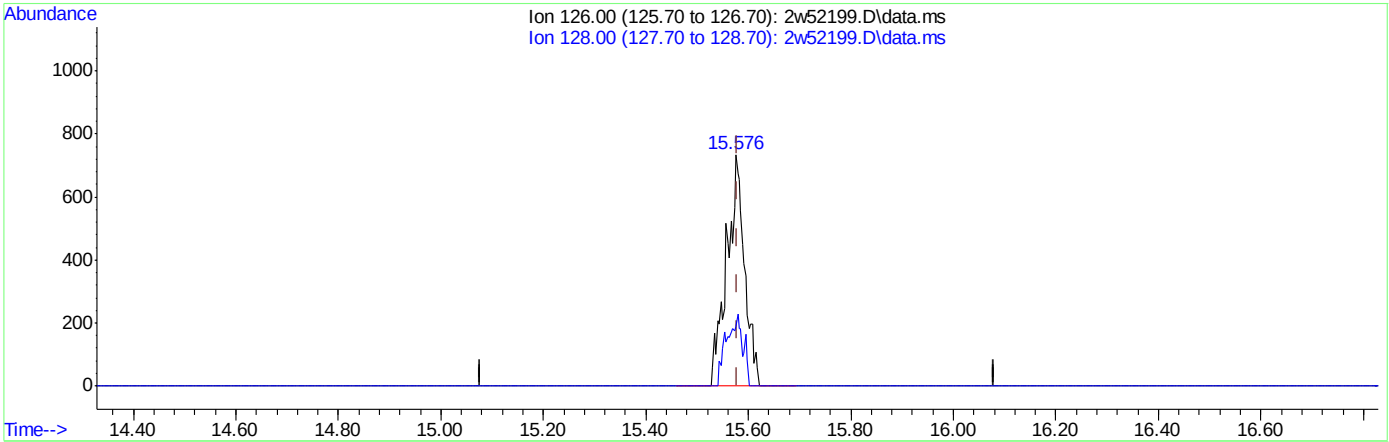
response 733

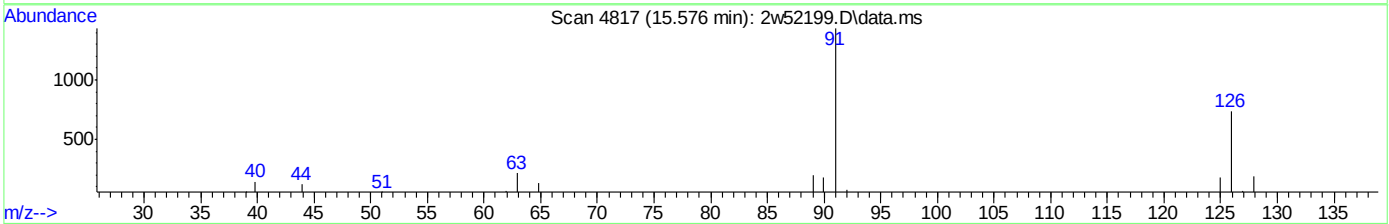
Ion	Exp%	Act%
126.00	100	100
128.00	32.20	69.58#
0.00	0.00	0.00
0.00	0.00	0.00

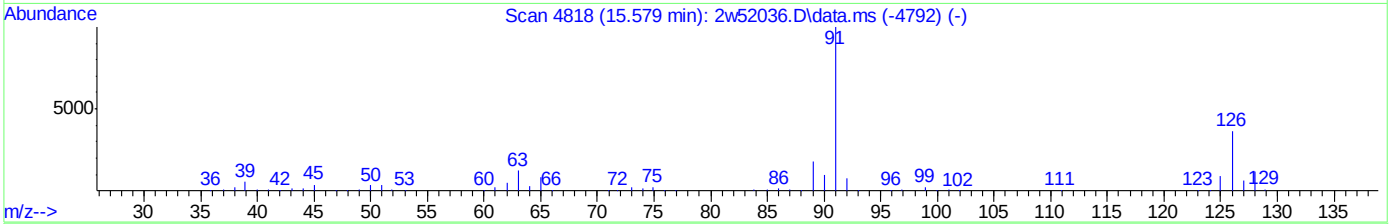
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:21:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2310.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Feb 26 09:53:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(90) 2-CHLOROTOLUENE (T)

15.576min (-0.003) 0.19PPBV m

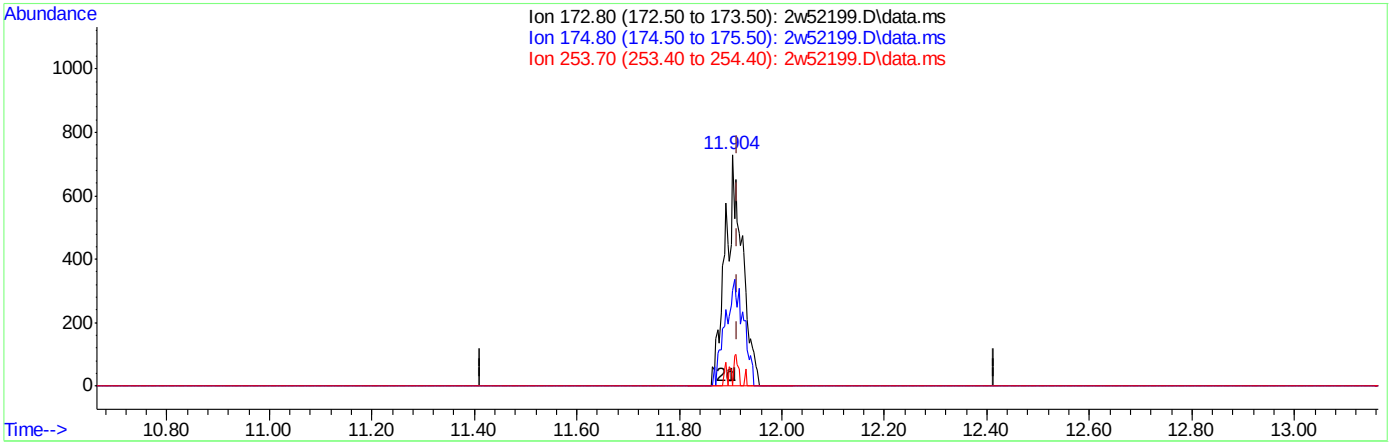
response 1778

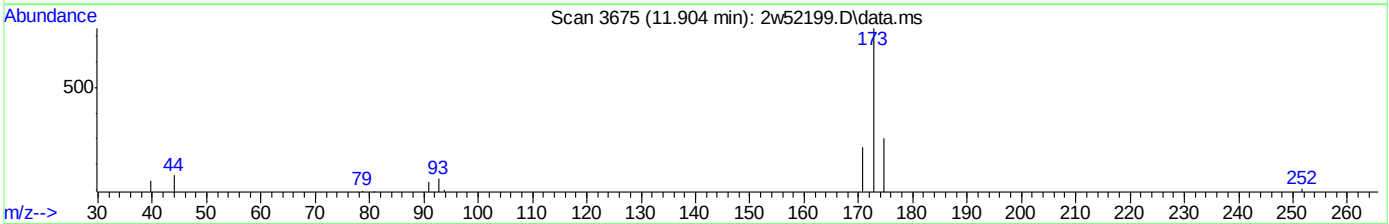
Ion	Exp%	Act%
126.00	100	100
128.00	32.20	28.68
0.00	0.00	0.00
0.00	0.00	0.00

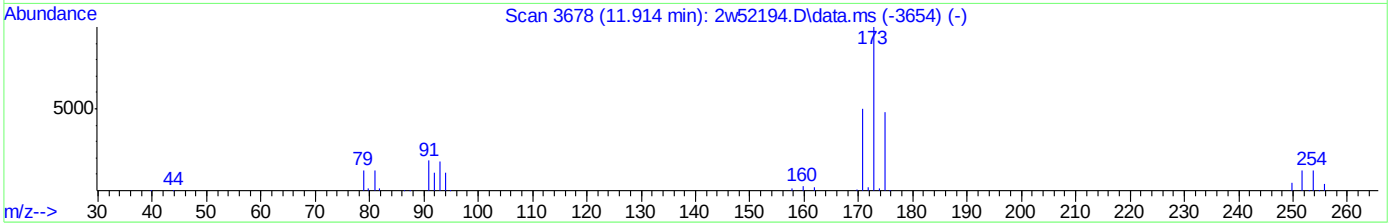
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:23:05 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(84) BROMOFORM (T)

11.904min (-0.010) 0.15PPBV m

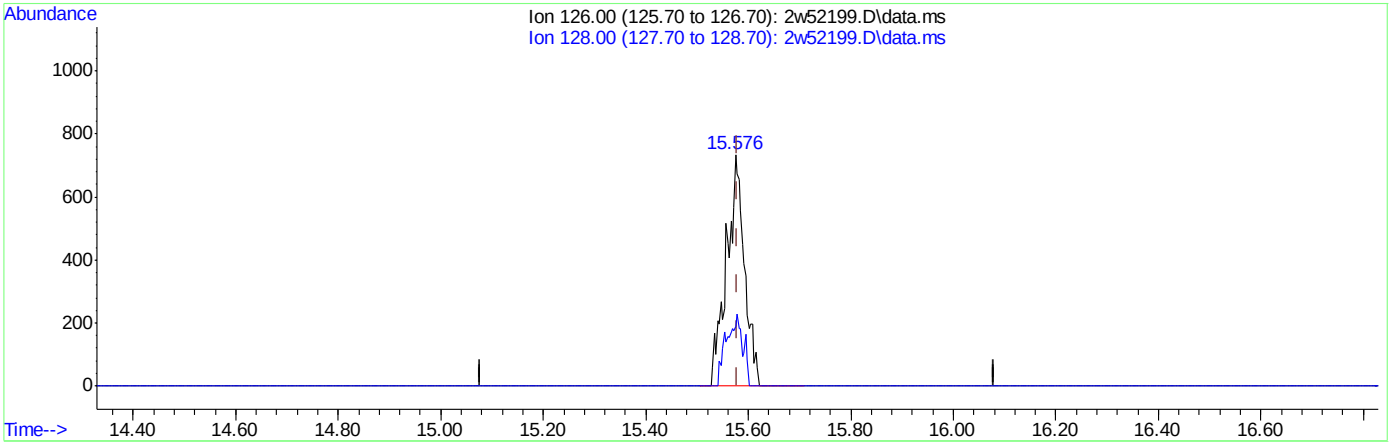
response 1706

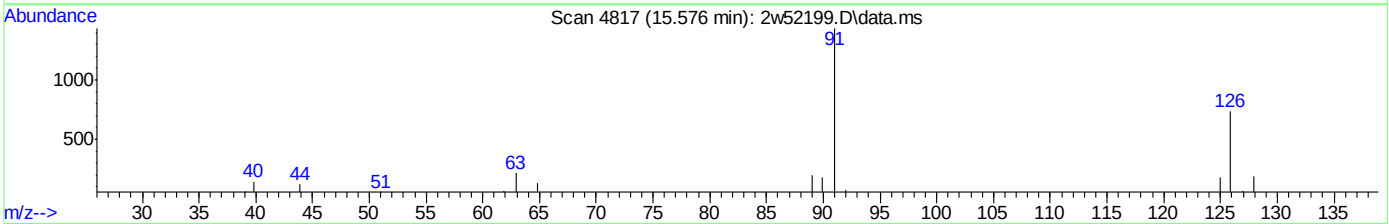
Ion	Exp%	Act%
172.80	100	100
174.80	48.20	49.18
253.70	12.30	0.00#
0.00	0.00	0.00

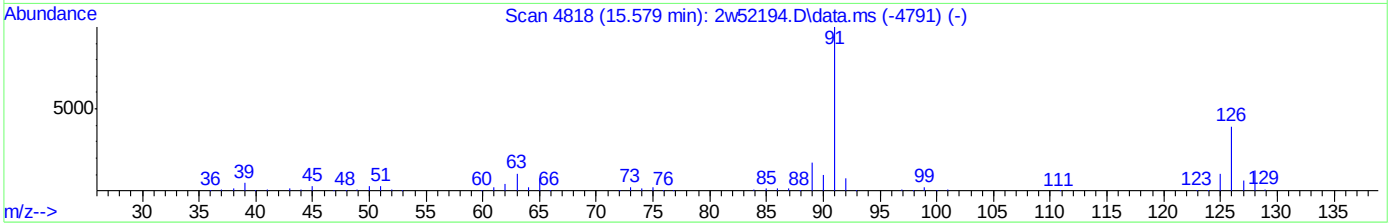
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52199.D
Acq On : 5 Mar 2021 2:24 pm
Operator : danat
Sample : ic2318-0.2
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:23:05 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 14:21:06 2021
Response via : Initial Calibration







TIC: 2w52199.D\data.ms

(90) 2-CHLOROTOLUENE (T)

15.576min (-0.003) 0.19PPBV m

response 1779

Ion	Exp%	Act%
126.00	100	100
128.00	31.90	28.67
0.00	0.00	0.00
0.00	0.00	0.00

2W52199.D edits: 2-CHLOROTOLUENE

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52200.D
Acq On : 5 Mar 2021 2:56 pm
Operator : danat
Sample : ic2318-0.1
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:53 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:24:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.621	128	47748	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	244187	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.692	117	216911	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.087	95	133825	9.99	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.833	65	397	0.10	PPBV	#	58
5) CHLOROTRIFLUOROETHENE	1.866	116	1014	0.10	PPBV	#	88
6) DICHLORODIFLUOROMETHANE	1.888	85	1568	0.10	PPBV		95
7) PROPYLENE	1.866	41	487	0.11	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.936	65	1031	0.10	PPBV	#	82
9) FREON 114	1.981	85	1819	0.10	PPBV		100
10) CHLOROMETHANE	1.946	52	148	0.09	PPBV		77
11) VINYL CHLORIDE	2.020	62	666	0.09	PPBV	#	89
12) 1,3-BUTADIENE	2.068	54	487	0.10	PPBV		88
13) N-BUTANE	2.094	43	911	0.11	PPBV	#	91
14) BROMOMETHANE	2.168	94	777	0.11	PPBV	#	88
15) CHLOROETHANE	2.235	64	360	0.09	PPBV	#	47
16) DICHLOROFLUOROMETHANE	2.261	67	1394	0.10	PPBV	#	96
17) ACETONITRILE	2.351	41	681	0.12	PPBV	#	45
18) ACROLEIN	2.396	56	272	0.09	PPBV	#	76
19) FREON 123	2.412	83	1670	0.10	PPBV		96
20) FREON 123A	2.432	117	990	0.11	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.502	101	1480	0.10	PPBV		97
22) ISOPROPYL ALCOHOL	2.518	45	1444	0.12	PPBV	#	93
23) ACETONE	2.441	58	509	0.13	PPBV		92
24) PENTANE	2.618	42	584	0.11	PPBV		94
25) IODOMETHANE	2.673	142	1983	0.10	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.702	96	751	0.10	PPBV		85
27) CARBON DISULFIDE	2.837	76	1401	0.09	PPBV	#	82
29) BROMOETHENE	2.361	106	700	0.09	PPBV	#	92
30) ACRYLONITRILE	2.586	52	349	0.08	PPBV	#	80
31) METHYLENE CHLORIDE	2.734	84	967	0.13	PPBV		96
32) 3-CHLOROPROPENE	2.776	76	355	0.10	PPBV		97
33) FREON 113	2.833	151	1276	0.10	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	3.078	96	637	0.09	PPBV		89
35) TERTIARY BUTYL ALCOHOL	2.711	59	1215	0.11	PPBV	#	87
36) METHYL TERTIARY BUTYL ...	3.197	73	1710	0.10	PPBV	#	88
37) TETRAHYDROFURAN	3.946	72	272	0.08	PPBV		88
38) HEXANE	3.673	57	1068	0.10	PPBV		98
39) VINYL ACETATE	3.232	86	134	0.08	PPBV	#	57
40) 1,1-DICHLOROETHANE	3.161	63	1065	0.10	PPBV	#	94
41) METHYL ETHYL KETONE	3.345	72	380	0.10	PPBV	#	94
42) CIS-1,2-DICHLOROETHENE	3.550	96	880	0.11	PPBV		86
43) DIISOPROPYL ETHER	3.685	59	284	0.09	PPBV		90
44) ETHYL ACETATE	3.689	61	129	0.07	PPBV	#	1
45) METHYL ACRYLATE	3.676	55	1129	0.10	PPBV	#	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52200.D
Acq On : 5 Mar 2021 2:56 pm
Operator : danat
Sample : ic2318-0.1
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:53 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:24:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) CHLOROFORM	3.698	83	1338	0.11	PPBV	#	82
47) 2,4-DIMETHYLPENTANE	4.222	57	1248	0.10	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.303	97	1062	0.10	PPBV		92
49) CARBON TETRACHLORIDE	4.747	117	815	0.08	PPBV		96
50) 1,2-DICHLOROETHANE	4.132	62	656	0.09	PPBV	#	88
51) BENZENE	4.628	78	2574	0.11	PPBV		90
53) CYCLOHEXANE	4.846	84	974	0.09	PPBV		90
54) 2,3-DIMETHYLPENTANE	5.107	71	486	0.09	PPBV	#	91
55) TRICHLOROETHENE	5.570	95	1018	0.10	PPBV		92
56) 1,2-DICHLOROPROPANE	5.325	63	752	0.09	PPBV	#	85
57) DIBROMOMETHANE	5.277	174	1083	0.10	PPBV		95
58) ETHYL ACRYLATE	5.447	55	1277	0.10	PPBV	#	72
59) BROMODICHLOROMETHANE	5.505	83	1119	0.09	PPBV		92
60) 2,2,4-TRIMETHYLPENTANE	5.669	57	3334	0.10	PPBV		99
61) 1,4-DIOXANE	5.618	88	546	0.09	PPBV	#	72
62) HEPTANE	5.994	43	991	0.10	PPBV		93
63) METHYL METHACRYLATE	5.885	69	666	0.09	PPBV		93
64) METHYL ISOBUTYL KETONE	6.644	58	534	0.08	PPBV	#	78
65) CIS-1,3-DICHLOROPROPENE	6.541	75	904	0.09	PPBV	#	86
66) TOLUENE	7.775	91	3081	0.10	PPBV		98
67) 1,3-DICHLOROPROPANE	7.833	76	1138	0.09	PPBV	#	92
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	649	0.08	PPBV	#	86
69) 1,1,2-TRICHLOROETHANE	7.390	83	760	0.10	PPBV		94
70) 2-HEXANONE	8.351	58	936	0.10	PPBV	#	92
71) ETHYL METHACRYLATE	8.486	69	921	0.08	PPBV	#	69
72) TETRACHLOROETHENE	9.547	164	1142	0.10	PPBV	#	62
73) DIBROMOCHLOROMETHANE	8.312	129	952	0.08	PPBV	#	95
74) 1,2-DIBROMOETHANE	8.676	107	1226	0.09	PPBV	#	97
75) OCTANE	9.682	43	1436	0.10	PPBV	#	66
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	793	0.09	PPBV	#	65
78) CHLOROBENZENE	10.775	112	2174	0.10	PPBV		99
79) ETHYLBENZENE	11.659	91	4223	0.12	PPBV		99
80) M,P-XYLENE	12.087	91	6135	0.23	PPBV	#	32
81) O-XYLENE	13.036	91	3081	0.12	PPBV		95
82) STYRENE	12.823	104	2201	0.10	PPBV	#	82
83) NONANE	14.145	43	1420	0.10	PPBV		87
84) BROMOFORM	11.913	173	737	0.07	PPBV	#	93
85) 1,1,2,2-TETRACHLOROETHANE	13.045	83	1747	0.09	PPBV	#	58
86) 1,2,3-TRICHLOROPROPANE	13.341	75	1241	0.09	PPBV	#	99
88) ISOPROPYLBENZENE	14.563	120	897	0.09	PPBV		99
89) BROMOBENZENE	14.428	77	1690	0.10	PPBV		94
90) 2-CHLOROTOLUENE	15.566	126	887	0.10	PPBV	#	43
91) N-PROPYLBENZENE	15.907	120	1006	0.10	PPBV	#	63
92) 4-ETHYLTOLUENE	16.232	105	3300	0.10	PPBV	#	99
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	2785	0.10	PPBV	#	98
94) ALPHA-METHYLSTYRENE	16.560	118	1422	0.09	PPBV		99
95) TERT-BUTYLBENZENE	16.810	134	770	0.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.814	105	2617	0.10	PPBV		96
97) BENZYL CHLORIDE	16.897	91	1057	0.08	PPBV	#	85
98) M-DICHLOROBENZENE	16.875	146	2030	0.10	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52200.D
Acq On : 5 Mar 2021 2:56 pm
Operator : danat
Sample : ic2318-0.1
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:53 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:24:37 2021
Response via : Initial Calibration

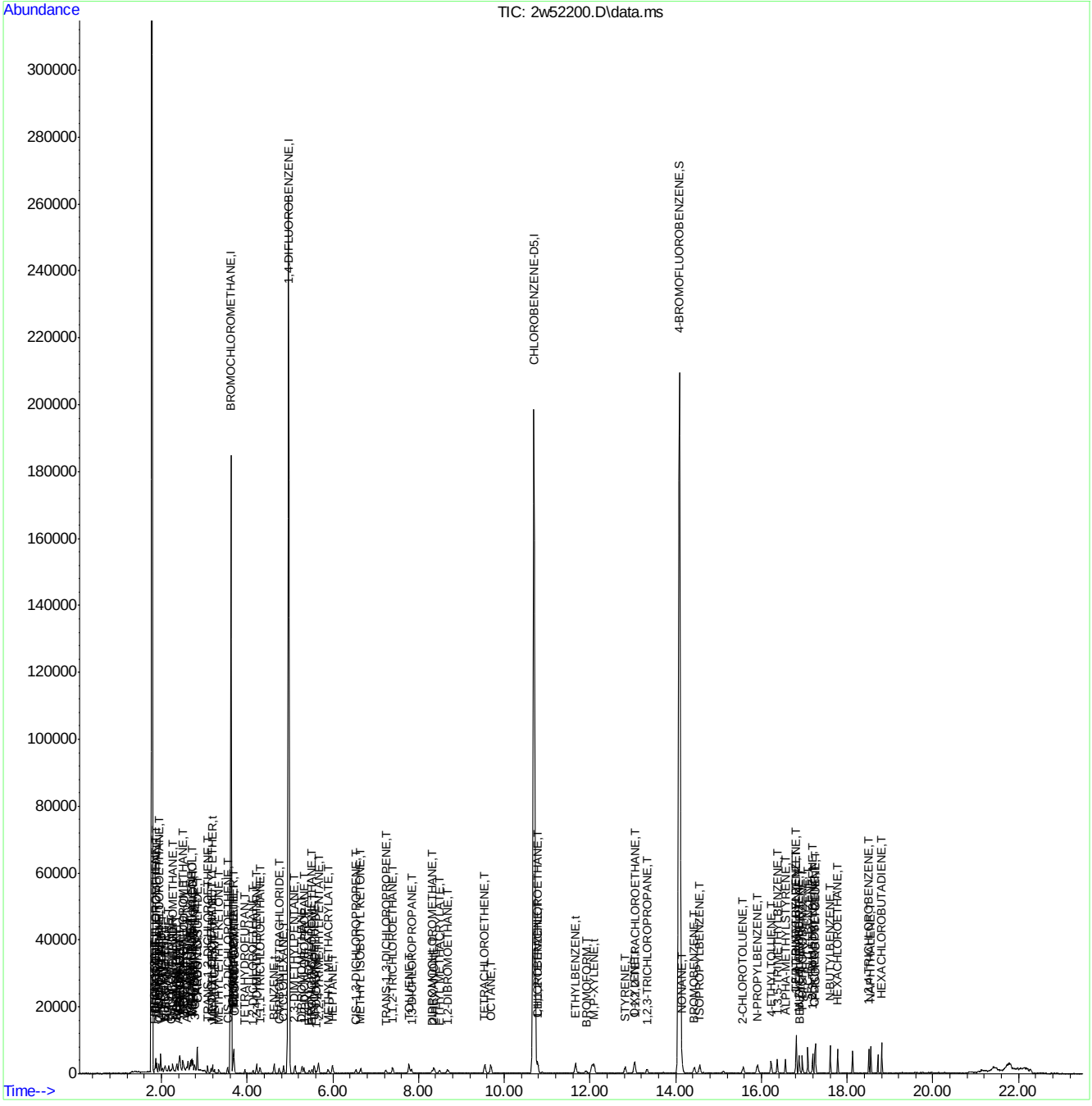
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	P-DICHLOROBENZENE	16.955	146	2051	0.10	PPBV	98
100)	O-DICHLOROBENZENE	17.244	146	1895	0.10	PPBV	98
101)	SEC-BUTYLBENZENE	17.084	134	869	0.09	PPBV	80
102)	1,2,3-TRIMETHYLBENZENE	17.190	105	2632	0.10	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.260	134	873	0.09	PPBV	86
104)	N-BUTYLBENZENE	17.601	134	786	0.09	PPBV	87
105)	HEXACHLOROETHANE	17.778	117	534	0.08	PPBV	90
106)	HEXACHLOROBUTADIENE	18.807	225	1157	0.11	PPBV	98
107)	1,2,4-TRICHLOROBENZENE	18.502	180	1578	0.12	PPBV	98
108)	NAPHTHALENE	18.553	128	4146	0.12	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52200.D
Acq On : 5 Mar 2021 2:56 pm
Operator : danat
Sample : ic2318-0.1
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 17:32:53 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:24:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52201.D
Acq On : 5 Mar 2021 3:27 pm
Operator : danat
Sample : ic2318-0.04
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:58:29 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:38:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.624	128	48476	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	244988	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.695	117	218424	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.087	95	135520	10.05	PPBV		0.00
Target Compounds							Qvalue
5) CHLOROTRIFLUOROETHENE	1.875	116	444	0.04	PPBV	#	1
6) DICHLORODIFLUOROMETHANE	1.891	85	656	0.04	PPBV	#	87
7) PROPYLENE	1.872	41	201	0.04	PPBV	#	88
8) 1-CHLORO-1,1-DIFLUOROE...	1.940	65	421	0.04	PPBV	#	38
9) FREON 114	1.985	85	751	0.04	PPBV		93
11) VINYL CHLORIDE	2.030	62	263	0.04	PPBV	#	50
12) 1,3-BUTADIENE	2.081	54	155	0.03	PPBV	#	39
13) N-BUTANE	2.097	43	377	0.04	PPBV	#	59
14) BROMOMETHANE	2.171	94	268	0.04	PPBV	#	94
15) CHLOROETHANE	2.239	64	119	0.03	PPBV	#	47
16) DICHLOROFLUOROMETHANE	2.268	67	581	0.04	PPBV	#	89
17) ACETONITRILE	2.348	41	239	0.04	PPBV	#	35
18) ACROLEIN	2.403	56	103	0.03	PPBV	#	16
19) FREON 123	2.422	83	739	0.04	PPBV	#	87
20) FREON 123A	2.435	117	307	0.03	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	2.509	101	606	0.04	PPBV	#	94
22) ISOPROPYL ALCOHOL	2.522	45	645	0.05	PPBV	#	86
24) PENTANE	2.618	42	233	0.04	PPBV	#	57
25) IODOMETHANE	2.676	142	839	0.04	PPBV		91
26) 1,1-DICHLOROETHYLENE	2.702	96	342	0.05	PPBV	#	73
27) CARBON DISULFIDE	2.834	76	574	0.04	PPBV	#	70
29) BROMOETHENE	2.361	106	244	0.03	PPBV	#	98
30) ACRYLONITRILE	2.592	52	171	0.04	PPBV	#	77
32) 3-CHLOROPROPENE	2.779	76	125	0.04	PPBV	#	50
33) FREON 113	2.837	151	466	0.04	PPBV		92
34) TRANS-1,2-DICHLOROETHENE	3.078	96	289	0.04	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.715	59	413	0.03	PPBV	#	71
36) METHYL TERTIARY BUTYL ...	3.194	73	618	0.04	PPBV	#	88
38) HEXANE	3.679	57	453	0.04	PPBV		88
40) 1,1-DICHLOROETHANE	3.158	63	386	0.04	PPBV	#	83
41) METHYL ETHYL KETONE	3.345	72	147	0.04	PPBV	#	71
42) CIS-1,2-DICHLOROETHENE	3.544	96	310	0.04	PPBV		95
43) DIISOPROPYL ETHER	3.689	59	113	0.04	PPBV		99
45) METHYL ACRYLATE	3.676	55	463	0.04	PPBV	#	61
46) CHLOROFORM	3.705	83	516	0.04	PPBV	#	75
47) 2,4-DIMETHYLPENTANE	4.226	57	466	0.04	PPBV	#	69
48) 1,1,1-TRICHLOROETHANE	4.306	97	370	0.03	PPBV		95
49) CARBON TETRACHLORIDE	4.753	117	350	0.04	PPBV	#	75
50) 1,2-DICHLOROETHANE	4.133	62	211	0.03	PPBV	#	49
51) BENZENE	4.628	78	1059	0.04	PPBV	#	68
53) CYCLOHEXANE	4.853	84	367	0.04	PPBV	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52201.D
Acq On : 5 Mar 2021 3:27 pm
Operator : danat
Sample : ic2318-0.04
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:58:29 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:38:51 2021
Response via : Initial Calibration

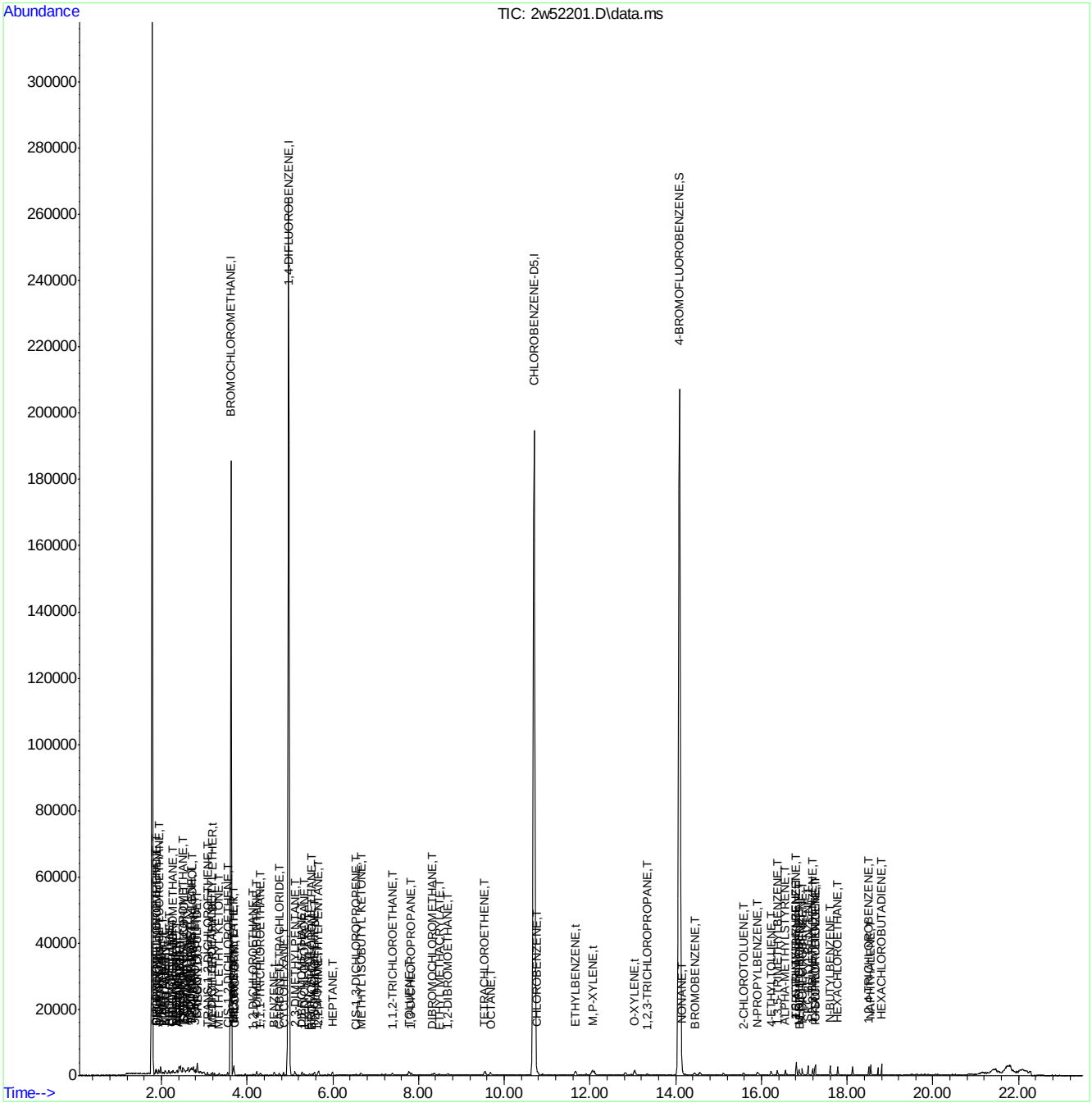
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 2,3-DIMETHYLPENTANE	5.116	71	142	0.03	PPBV	#	16
55) TRICHLOROETHENE	5.563	95	378	0.04	PPBV		92
56) 1,2-DICHLOROPROPANE	5.325	63	264	0.03	PPBV	#	42
57) DIBROMOMETHANE	5.277	174	440	0.04	PPBV		85
58) ETHYL ACRYLATE	5.448	55	508	0.04	PPBV	#	72
59) BROMODICHLOROMETHANE	5.512	83	435	0.04	PPBV	#	75
60) 2,2,4-TRIMETHYLPENTANE	5.663	57	1334	0.04	PPBV	#	82
61) 1,4-DIOXANE	5.634	88	183	0.03	PPBV	#	36
62) HEPTANE	5.991	43	423	0.04	PPBV		91
64) METHYL ISOBUTYL KETONE	6.657	58	209	0.03	PPBV	#	70
65) CIS-1,3-DICHLOROPROPENE	6.538	75	298	0.03	PPBV	#	43
66) TOLUENE	7.779	91	1547	0.05	PPBV		92
67) 1,3-DICHLOROPROPANE	7.827	76	456	0.04	PPBV	#	43
69) 1,1,2-TRICHLOROETHANE	7.396	83	252	0.03	PPBV	#	69
71) ETHYL METHACRYLATE	8.492	69	276	0.03	PPBV	#	41
72) TETRACHLOROETHENE	9.541	164	381	0.03	PPBV	#	86
73) DIBROMOCHLOROMETHANE	8.322	129	379	0.03	PPBV	#	78
74) 1,2-DIBROMOETHANE	8.669	107	421	0.03	PPBV	#	96
75) OCTANE	9.682	43	571	0.04	PPBV	#	60
78) CHLOROBENZENE	10.769	112	883	0.04	PPBV	#	47
79) ETHYLBENZENE	11.653	91	2079	0.06	PPBV		87
80) M,P-XYLENE	12.061	91	3159	0.11	PPBV	#	47
81) O-XYLENE	13.032	91	1577	0.06	PPBV		96
83) NONANE	14.148	43	422	0.03	PPBV	#	18
86) 1,2,3-TRICHLOROPROPANE	13.332	75	433	0.03	PPBV	#	99
89) BROMOBENZENE	14.438	77	595	0.04	PPBV	#	75
90) 2-CHLOROTOLUENE	15.576	126	292	0.03	PPBV	#	43
91) N-PROPYLBENZENE	15.913	120	340	0.03	PPBV	#	63
92) 4-ETHYLTOLUENE	16.225	105	1312	0.04	PPBV	#	96
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	1076	0.04	PPBV	#	95
94) ALPHA-METHYLSTYRENE	16.556	118	566	0.04	PPBV		95
95) TERT-BUTYLBENZENE	16.807	134	277	0.04	PPBV		74
96) 1,2,4-TRIMETHYLBENZENE	16.814	105	1018	0.04	PPBV		90
97) BENZYL CHLORIDE	16.897	91	394	0.03	PPBV	#	59
98) M-DICHLOROBENZENE	16.875	146	832	0.04	PPBV		95
99) P-DICHLOROBENZENE	16.955	146	844	0.04	PPBV		94
100) O-DICHLOROBENZENE	17.248	146	801	0.04	PPBV		94
101) SEC-BUTYLBENZENE	17.087	134	352	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1032	0.04	PPBV	#	96
103) P-ISOPROPYLTOLUENE	17.264	134	355	0.04	PPBV		94
104) N-BUTYLBENZENE	17.598	134	340	0.04	PPBV		97
105) HEXACHLOROETHANE	17.778	117	193	0.03	PPBV	#	80
106) HEXACHLOROBUTADIENE	18.807	225	496	0.05	PPBV	#	80
107) 1,2,4-TRICHLOROBENZENE	18.505	180	697	0.05	PPBV		92
108) NAPHTHALENE	18.550	128	1762	0.05	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52201.D
Acq On : 5 Mar 2021 3:27 pm
Operator : danat
Sample : ic2318-0.04
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 15:58:29 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:38:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52202.D
Acq On : 5 Mar 2021 3:58 pm
Operator : danat
Sample : ic2318-5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:23:08 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:58:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.621	128	47784	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.969	114	242616	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.695	117	215879	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.084	95	134555	10.09	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.837	65	20921	5.09	PPBV		100
4) CHLORODIFLUOROMETHANE	1.853	67	6628	5.09	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.869	116	54079	5.10	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.888	85	76669	4.86	PPBV		99
7) PROPYLENE	1.866	41	21093	4.58	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.940	65	51591	4.94	PPBV		99
9) FREON 114	1.985	85	91272	5.05	PPBV		99
10) CHLOROMETHANE	1.946	52	8876	5.63	PPBV		95
11) VINYL CHLORIDE	2.023	62	35179	5.07	PPBV		100
12) 1,3-BUTADIENE	2.075	54	24559	5.15	PPBV		99
13) N-BUTANE	2.094	43	39686	4.59	PPBV	#	99
14) BROMOMETHANE	2.171	94	37222	5.14	PPBV		99
15) CHLOROETHANE	2.232	64	20009	5.41	PPBV		100
16) DICHLOROFLUOROMETHANE	2.264	67	70398	5.01	PPBV		99
17) ACETONITRILE	2.351	41	22418	3.83	PPBV		98
18) ACROLEIN	2.396	56	14682	5.11	PPBV		97
19) FREON 123	2.412	83	84383	4.97	PPBV		99
20) FREON 123A	2.435	117	47187	5.17	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.502	101	72536	4.98	PPBV		99
22) ISOPROPYL ALCOHOL	2.515	45	46175	3.51	PPBV		97
23) ACETONE	2.441	58	15000	3.52	PPBV		97
24) PENTANE	2.615	42	25586	4.57	PPBV		99
25) IODOMETHANE	2.673	142	101944	5.06	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.702	96	36715	4.85	PPBV		97
27) CARBON DISULFIDE	2.837	76	80718	5.39	PPBV	#	95
28) ETHANOL	2.268	45	10691	2.93	PPBV		97
29) BROMOETHENE	2.361	106	36664	5.18	PPBV		100
30) ACRYLONITRILE	2.586	52	19689	4.84	PPBV		98
31) METHYLENE CHLORIDE	2.737	84	32841	4.16	PPBV		99
32) 3-CHLOROPROPENE	2.779	76	17526	5.22	PPBV		99
33) FREON 113	2.834	151	62495	5.03	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.078	96	36902	5.19	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.708	59	59403	5.21	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.190	73	83352	5.04	PPBV		100
37) TETRAHYDROFURAN	3.920	72	17579	5.35	PPBV		96
38) HEXANE	3.679	57	51632	4.83	PPBV		100
39) VINYL ACETATE	3.232	86	8517	5.60	PPBV		91
40) 1,1-DICHLOROETHANE	3.158	63	55625	5.27	PPBV		99
41) METHYL ETHYL KETONE	3.332	72	17252	4.69	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.541	96	40126	5.00	PPBV		98
43) DIISOPROPYL ETHER	3.679	59	15040	5.06	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52202.D
Acq On : 5 Mar 2021 3:58 pm
Operator : danat
Sample : ic2318-5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:23:08 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:58:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.682	61	9958	5.60	PPBV		93
45) METHYL ACRYLATE	3.670	55	55788	4.88	PPBV	#	76
46) CHLOROFORM	3.698	83	63670	4.98	PPBV	#	84
47) 2,4-DIMETHYLPENTANE	4.219	57	62125	5.04	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.303	97	53942	5.15	PPBV		99
49) CARBON TETRACHLORIDE	4.747	117	49850	5.41	PPBV		100
50) 1,2-DICHLOROETHANE	4.133	62	34907	5.31	PPBV		99
51) BENZENE	4.631	78	118164	4.79	PPBV		99
53) CYCLOHEXANE	4.850	84	52906	5.26	PPBV		99
54) 2,3-DIMETHYLPENTANE	5.116	71	26371	5.45	PPBV		99
55) TRICHLOROETHENE	5.567	95	48688	4.98	PPBV		99
56) 1,2-DICHLOROPROPANE	5.322	63	40276	5.31	PPBV		99
57) DIBROMOMETHANE	5.284	174	51580	4.88	PPBV		100
58) ETHYL ACRYLATE	5.441	55	68209	5.22	PPBV		99
59) BROMODICHLOROMETHANE	5.509	83	64195	5.50	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.663	57	165343	4.99	PPBV		100
61) 1,4-DIOXANE	5.573	88	26656	4.74	PPBV		99
62) HEPTANE	5.991	43	51203	5.04	PPBV		99
63) METHYL METHACRYLATE	5.882	69	40372	5.42	PPBV		99
64) METHYL ISOBUTYL KETONE	6.634	58	31862	5.45	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.538	75	55822	5.82	PPBV		100
66) TOLUENE	7.779	91	144287	4.57	PPBV		99
67) 1,3-DICHLOROPROPANE	7.833	76	64077	5.32	PPBV	#	100
68) TRANS-1,3-DICHLOROPROPENE	7.232	75	42852	5.46	PPBV		99
69) 1,1,2-TRICHLOROETHANE	7.396	83	40333	5.37	PPBV		99
70) 2-HEXANONE	8.338	58	39837	4.40	PPBV		100
71) ETHYL METHACRYLATE	8.486	69	61946	6.15	PPBV		100
72) TETRACHLOROETHENE	9.547	164	57058	5.21	PPBV		99
73) DIBROMOCHLOROMETHANE	8.329	129	65148	5.94	PPBV		100
74) 1,2-DIBROMOETHANE	8.676	107	69154	5.63	PPBV		99
75) OCTANE	9.689	43	69501	4.94	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.779	131	49073	5.68	PPBV		99
78) CHLOROBENZENE	10.769	112	115079	5.20	PPBV		100
79) ETHYLBENZENE	11.663	91	173777	4.35	PPBV		100
80) M,P-XYLENE	12.100	91	255765	8.65	PPBV		99
81) O-XYLENE	13.042	91	129692	4.37	PPBV		98
82) STYRENE	12.824	104	108287	5.09	PPBV		99
83) NONANE	14.155	43	69005	5.25	PPBV		99
84) BROMOFORM	11.907	173	61709	6.27	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.042	83	93084	5.12	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.328	75	65908	5.28	PPBV	#	100
88) ISOPROPYLBENZENE	14.563	120	53733	5.41	PPBV		100
89) BROMOBENZENE	14.434	77	84022	5.22	PPBV		98
90) 2-CHLOROTOLUENE	15.579	126	48263	5.59	PPBV		100
91) N-PROPYLBENZENE	15.917	120	54123	5.49	PPBV		99
92) 4-ETHYLTOLUENE	16.229	105	177187	5.29	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.370	105	143250	5.25	PPBV		99
94) ALPHA-METHYLSTYRENE	16.560	118	80257	5.44	PPBV		100
95) TERT-BUTYLBENZENE	16.810	134	39975	5.35	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	141238	5.34	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52202.D
Acq On : 5 Mar 2021 3:58 pm
Operator : danat
Sample : ic2318-5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:23:08 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:58:57 2021
Response via : Initial Calibration

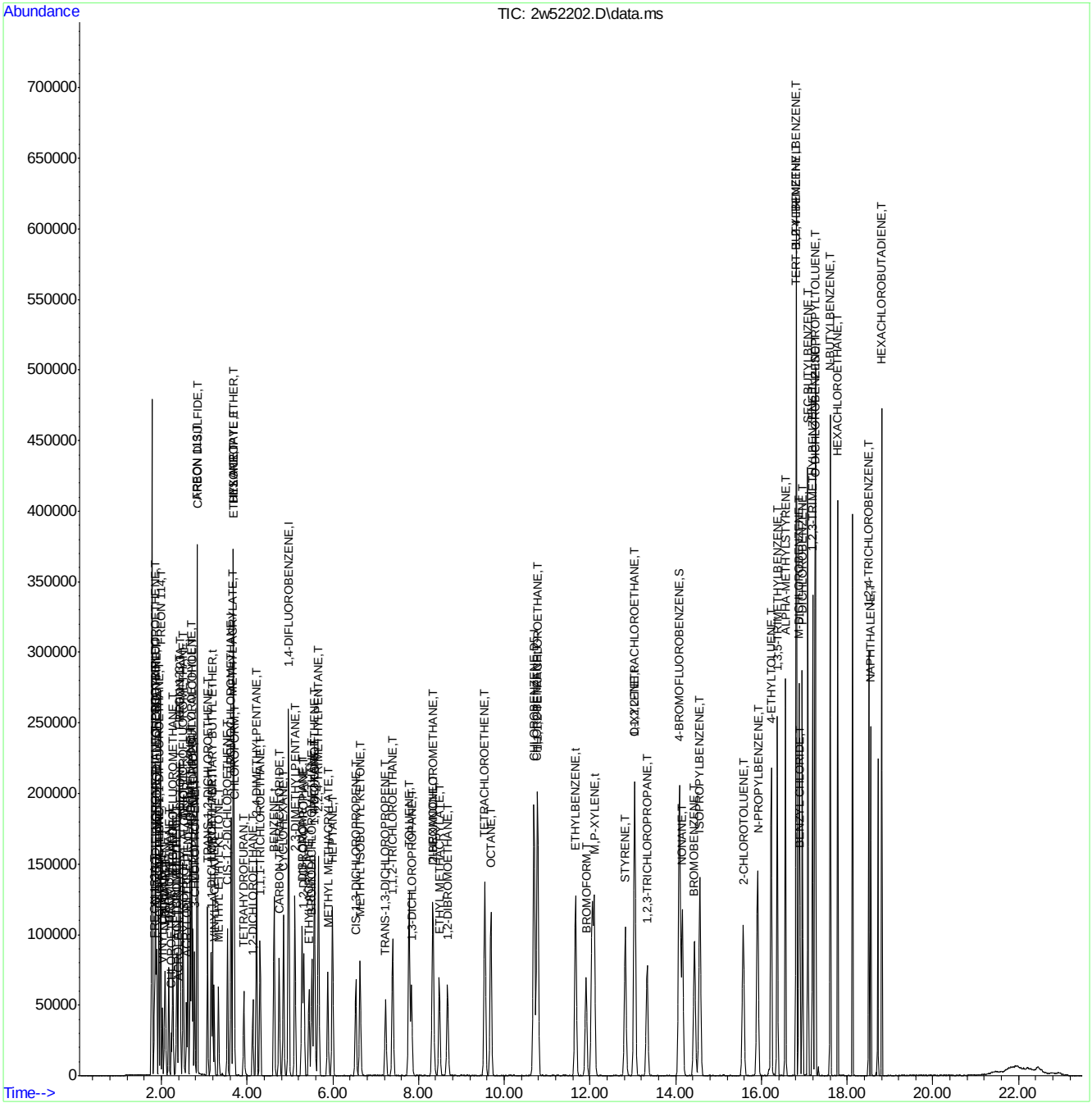
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	67822	5.85	PPBV	100
98)	M-DICHLOROBENZENE	16.875	146	101794	5.00	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	101477	5.00	PPBV	99
100)	O-DICHLOROBENZENE	17.248	146	92951	4.96	PPBV	99
101)	SEC-BUTYLBENZENE	17.084	134	47309	5.28	PPBV	97
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	136364	5.25	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.261	134	49740	5.44	PPBV	99
104)	N-BUTYLBENZENE	17.601	134	45643	5.43	PPBV	99
105)	HEXACHLOROETHANE	17.778	117	39912	6.46	PPBV	99
106)	HEXACHLOROBUTADIENE	18.807	225	51866	4.69	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.502	180	58845	4.03	PPBV	99
108)	NAPHTHALENE	18.550	128	118074	3.20	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52202.D
Acq On : 5 Mar 2021 3:58 pm
Operator : danat
Sample : ic2318-5
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:23:08 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 15:58:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52203.D
Acq On : 5 Mar 2021 4:31 pm
Operator : danat
Sample : ic2318-20
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:54:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:24:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.624	128	49186	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	252266	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.698	117	222331	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	137828	10.02	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.840	65	83502	19.65	PPBV		100
4) CHLORODIFLUOROMETHANE	1.859	67	26103	19.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.872	116	214848	19.63	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.891	85	296957	18.39	PPBV		99
7) PROPYLENE	1.869	41	83553	17.88	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.943	65	207684	19.37	PPBV		99
9) FREON 114	1.988	85	371160	19.92	PPBV		99
10) CHLOROMETHANE	1.949	52	34700	20.86	PPBV		97
11) VINYL CHLORIDE	2.030	62	141033	19.71	PPBV		99
12) 1,3-BUTADIENE	2.078	54	98852	20.04	PPBV		100
13) N-BUTANE	2.097	43	158190	18.01	PPBV	#	99
14) BROMOMETHANE	2.174	94	148460	19.82	PPBV		99
15) CHLOROETHANE	2.239	64	80111	20.75	PPBV		99
16) DICHLOROFLUOROMETHANE	2.268	67	277998	19.23	PPBV		100
17) ACETONITRILE	2.354	41	89033	15.38	PPBV		100
18) ACROLEIN	2.399	56	59419	20.01	PPBV		100
19) FREON 123	2.419	83	337397	19.31	PPBV		100
20) FREON 123A	2.438	117	190312	20.15	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.505	101	292135	19.49	PPBV		100
22) ISOPROPYL ALCOHOL	2.518	45	178823	13.89	PPBV		99
23) ACETONE	2.444	58	60227	14.59	PPBV		100
24) PENTANE	2.618	42	103130	18.16	PPBV		100
25) IODOMETHANE	2.676	142	414941	19.97	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.702	96	148060	19.09	PPBV		99
27) CARBON DISULFIDE	2.837	76	367393	23.51	PPBV	#	96
28) ETHANOL	2.274	45	42799	12.41	PPBV		99
29) BROMOETHENE	2.364	106	147272	20.08	PPBV		99
30) ACRYLONITRILE	2.589	52	78732	18.90	PPBV		100
31) METHYLENE CHLORIDE	2.740	84	132397	16.86	PPBV		98
32) 3-CHLOROPROPENE	2.782	76	71238	20.46	PPBV		98
33) FREON 113	2.837	151	256565	20.05	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.078	96	150997	20.50	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.711	59	224015	18.96	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.190	73	348771	20.45	PPBV		100
37) TETRAHYDROFURAN	3.917	72	72917	21.27	PPBV		98
38) HEXANE	3.679	57	209408	19.14	PPBV		99
39) VINYL ACETATE	3.232	86	40142	25.05	PPBV		98
40) 1,1-DICHLOROETHANE	3.158	63	227221	20.73	PPBV		100
41) METHYL ETHYL KETONE	3.332	72	71336	19.03	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.544	96	162783	19.72	PPBV		100
43) DIISOPROPYL ETHER	3.685	59	62257	20.32	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52203.D
Acq On : 5 Mar 2021 4:31 pm
Operator : danat
Sample : ic2318-20
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:54:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:24:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.685	61	42765	22.82	PPBV		98
45) METHYL ACRYLATE	3.673	55	236728	20.20	PPBV		98
46) CHLOROFORM	3.705	83	262592	19.95	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.222	57	254915	20.07	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.306	97	233574	21.56	PPBV		99
49) CARBON TETRACHLORIDE	4.750	117	235737	24.53	PPBV		100
50) 1,2-DICHLOROETHANE	4.136	62	142525	20.86	PPBV		99
51) BENZENE	4.631	78	480200	19.04	PPBV		100
53) CYCLOHEXANE	4.849	84	215387	20.43	PPBV		100
54) 2,3-DIMETHYLPENTANE	5.116	71	108454	21.24	PPBV		99
55) TRICHLOROETHENE	5.570	95	200249	19.73	PPBV		100
56) 1,2-DICHLOROPROPANE	5.328	63	164629	20.68	PPBV		99
57) DIBROMOMETHANE	5.287	174	213630	19.51	PPBV		99
58) ETHYL ACRYLATE	5.444	55	296644	21.68	PPBV		99
59) BROMODICHLOROMETHANE	5.515	83	281932	22.85	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.669	57	677347	19.67	PPBV		100
61) 1,4-DIOXANE	5.573	88	107075	18.48	PPBV		99
62) HEPTANE	5.997	43	209624	19.82	PPBV		99
63) METHYL METHACRYLATE	5.882	69	174265	22.12	PPBV		99
64) METHYL ISOBUTYL KETONE	6.634	58	131942	21.38	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.537	75	249160	24.31	PPBV		99
66) TOLUENE	7.785	91	585304	18.10	PPBV		100
67) 1,3-DICHLOROPROPANE	7.836	76	262034	20.70	PPBV	#	100
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	202242	24.35	PPBV		100
69) 1,1,2-TRICHLOROETHANE	7.399	83	165159	20.89	PPBV		100
70) 2-HEXANONE	8.348	58	168514	18.34	PPBV		99
71) ETHYL METHACRYLATE	8.486	69	272547	25.07	PPBV		99
72) TETRACHLOROETHENE	9.550	164	231012	20.16	PPBV		100
73) DIBROMOCHLOROMETHANE	8.328	129	298875	25.42	PPBV		100
74) 1,2-DIBROMOETHANE	8.682	107	289706	22.22	PPBV		99
75) OCTANE	9.692	43	282679	19.35	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.785	131	221697	24.25	PPBV		99
78) CHLOROBENZENE	10.775	112	465927	20.30	PPBV		100
79) ETHYLBENZENE	11.666	91	702981	17.45	PPBV		100
80) M,P-XYLENE	12.100	91	1035213	34.79	PPBV		100
81) O-XYLENE	13.048	91	523537	17.48	PPBV		99
82) STYRENE	12.830	104	451492	20.54	PPBV		99
83) NONANE	14.161	43	282547	20.71	PPBV		99
84) BROMOFORM	11.917	173	300532	28.21	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.055	83	383655	20.39	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.338	75	270710	20.86	PPBV	#	100
88) ISOPROPYLBENZENE	14.573	120	217733	20.94	PPBV		100
89) BROMOBENZENE	14.444	77	339368	20.33	PPBV		98
90) 2-CHLOROTOLUENE	15.579	126	196612	21.67	PPBV		100
91) N-PROPYLBENZENE	15.916	120	218945	21.21	PPBV		99
92) 4-ETHYLTOLUENE	16.232	105	724117	20.79	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	582515	20.57	PPBV		100
94) ALPHA-METHYLSTYRENE	16.563	118	329358	21.38	PPBV		99
95) TERT-BUTYLBENZENE	16.814	134	165526	21.26	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	588941	21.39	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52203.D
Acq On : 5 Mar 2021 4:31 pm
Operator : danat
Sample : ic2318-20
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:54:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:24:20 2021
Response via : Initial Calibration

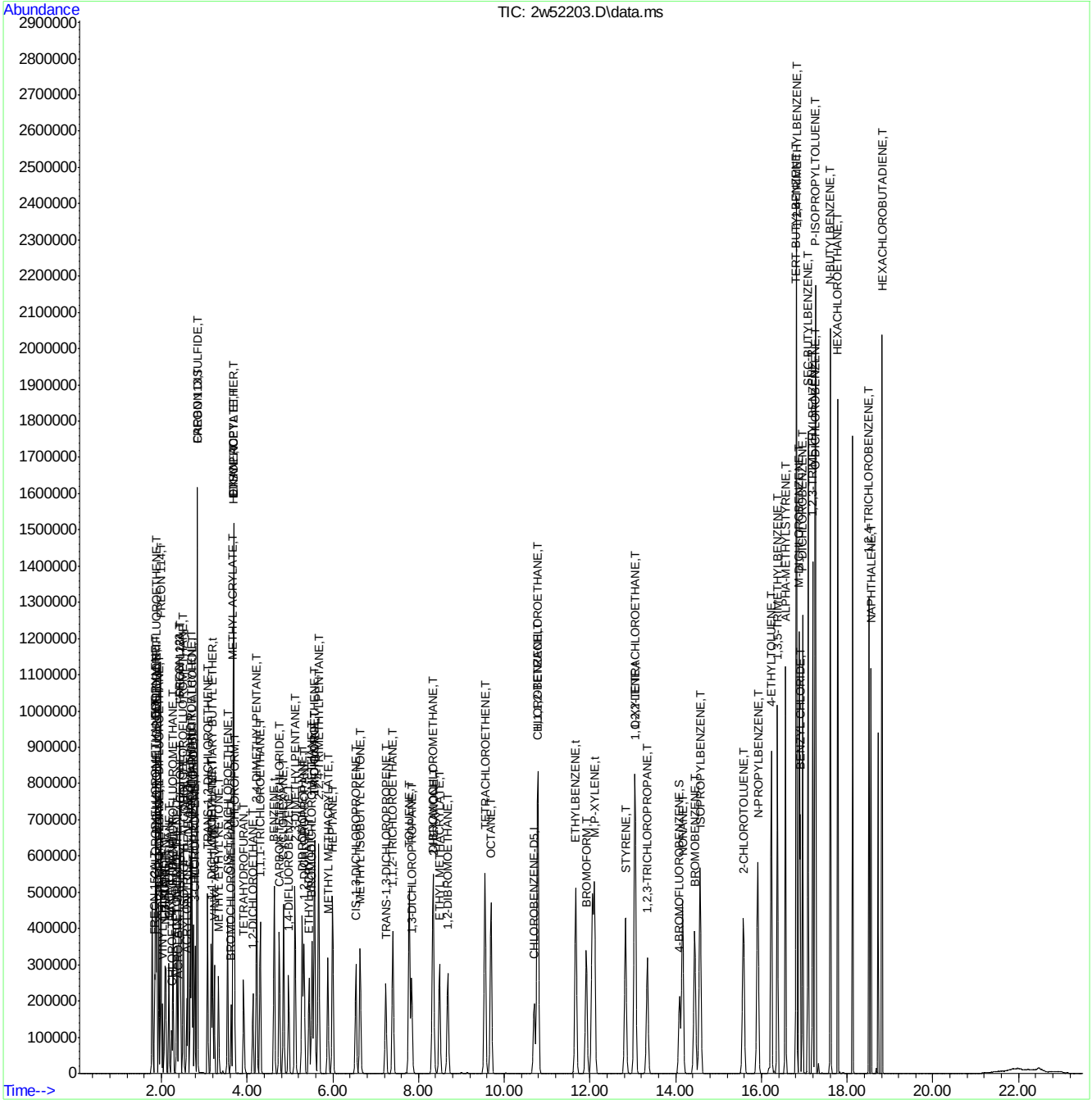
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.904	91	390660	31.82	PPBV	99
98) M-DICHLOROBENZENE	16.878	146	420857	20.06	PPBV	100
99) P-DICHLOROBENZENE	16.958	146	420545	20.11	PPBV	99
100) O-DICHLOROBENZENE	17.248	146	393121	20.38	PPBV	100
101) SEC-BUTYLBENZENE	17.087	134	201253	21.59	PPBV	99
102) 1,2,3-TRIMETHYLBENZENE	17.196	105	572263	21.23	PPBV	99
103) P-ISOPROPYLTOLUENE	17.260	134	214717	22.47	PPBV	98
104) N-BUTYLBENZENE	17.605	134	193905	22.07	PPBV	99
105) HEXACHLOROETHANE	17.781	117	214834	32.21	PPBV	99
106) HEXACHLOROBUTADIENE	18.813	225	224487	19.92	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	254033	17.44	PPBV	99
108) NAPHTHALENE	18.556	128	508653	14.24	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52203.D
Acq On : 5 Mar 2021 4:31 pm
Operator : danat
Sample : ic2318-20
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 16:54:58 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:24:20 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52204.D
Acq On : 5 Mar 2021 5:05 pm
Operator : danat
Sample : ic2318-40
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:30:12 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:55:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.627	128	49505	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.971	114	252255	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.695	117	225970	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	139061	9.94	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.843	65	171563	40.24	PPBV		100
4) CHLORODIFLUOROMETHANE	1.859	67	53605	39.81	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.872	116	443112	40.32	PPBV		97
6) DICHLORODIFLUOROMETHANE	1.894	85	550242	34.25	PPBV		99
7) PROPYLENE	1.869	41	171337	36.99	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.943	65	428119	39.85	PPBV		100
9) FREON 114	1.988	85	765245	40.83	PPBV		99
10) CHLOROMETHANE	1.949	52	71669	42.50	PPBV		97
11) VINYL CHLORIDE	2.030	62	292960	40.76	PPBV		99
12) 1,3-BUTADIENE	2.081	54	206266	41.53	PPBV		99
13) N-BUTANE	2.100	43	330366	37.91	PPBV	#	99
14) BROMOMETHANE	2.177	94	307607	40.85	PPBV		99
15) CHLOROETHANE	2.238	64	168257	43.06	PPBV		100
16) DICHLOROFLUOROMETHANE	2.271	67	581238	40.17	PPBV		100
17) ACETONITRILE	2.354	41	185413	32.91	PPBV		99
18) ACROLEIN	2.402	56	124980	41.81	PPBV		99
19) FREON 123	2.419	83	698390	39.91	PPBV		99
20) FREON 123A	2.438	117	392645	41.25	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.505	101	600483	39.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.521	45	361537	29.17	PPBV		100
23) ACETONE	2.444	58	125869	31.73	PPBV		99
24) PENTANE	2.621	42	212606	37.69	PPBV		99
25) IODOMETHANE	2.679	142	855838	40.93	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.705	96	305645	39.41	PPBV		98
27) CARBON DISULFIDE	2.840	76	772307	47.91	PPBV	#	94
28) ETHANOL	2.274	45	89216	27.44	PPBV		100
29) BROMOETHENE	2.367	106	306080	41.44	PPBV		99
30) ACRYLONITRILE	2.592	52	165203	39.71	PPBV		99
31) METHYLENE CHLORIDE	2.740	84	270293	35.11	PPBV		98
32) 3-CHLOROPROPENE	2.782	76	149290	42.46	PPBV		96
33) FREON 113	2.840	151	526632	40.87	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.081	96	305121	41.00	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.714	59	410677	34.80	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.193	73	716269	41.60	PPBV		100
37) TETRAHYDROFURAN	3.920	72	146549	42.02	PPBV		97
38) HEXANE	3.682	57	422190	38.58	PPBV		100
39) VINYL ACETATE	3.235	86	84703	50.40	PPBV		98
40) 1,1-DICHLOROETHANE	3.161	63	462764	41.73	PPBV		100
41) METHYL ETHYL KETONE	3.335	72	145420	38.81	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.547	96	332801	40.13	PPBV		99
43) DIISOPROPYL ETHER	3.685	59	126848	41.04	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52204.D
Acq On : 5 Mar 2021 5:05 pm
Operator : danat
Sample : ic2318-40
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:30:12 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:55:57 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.692	61	87168	45.16	PPBV		93
45)	METHYL ACRYLATE	3.676	55	487836	41.29	PPBV		98
46)	CHLOROFORM	3.708	83	526460	39.76	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.226	57	513612	40.15	PPBV		99
48)	1,1,1-TRICHLOROETHANE	4.309	97	481304	43.66	PPBV		99
49)	CARBON TETRACHLORIDE	4.753	117	497531	49.82	PPBV		99
50)	1,2-DICHLOROETHANE	4.136	62	286630	41.42	PPBV		99
51)	BENZENE	4.634	78	969833	38.48	PPBV		100
53)	CYCLOHEXANE	4.856	84	437580	41.39	PPBV		99
54)	2,3-DIMETHYLPENTANE	5.119	71	219298	42.57	PPBV		100
55)	TRICHLOROETHENE	5.576	95	402249	39.70	PPBV		99
56)	1,2-DICHLOROPROPANE	5.332	63	336674	42.08	PPBV		99
57)	DIBROMOMETHANE	5.287	174	433158	39.70	PPBV		99
58)	ETHYL ACRYLATE	5.447	55	613245	44.30	PPBV		100
59)	BROMODICHLOROMETHANE	5.518	83	579108	45.99	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.672	57	1363551	39.69	PPBV		99
61)	1,4-DIOXANE	5.576	88	216807	37.83	PPBV		99
62)	HEPTANE	5.997	43	419872	39.75	PPBV		98
63)	METHYL METHACRYLATE	5.885	69	355968	44.40	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.643	58	270327	43.38	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.541	75	511696	48.43	PPBV		99
66)	TOLUENE	7.788	91	1181580	37.04	PPBV		100
67)	1,3-DICHLOROPROPANE	7.843	76	533648	41.96	PPBV	#	100
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	427577	49.68	PPBV		99
69)	1,1,2-TRICHLOROETHANE	7.405	83	333166	41.88	PPBV		100
70)	2-HEXANONE	8.354	58	343529	37.92	PPBV		99
71)	ETHYL METHACRYLATE	8.495	69	570528	50.64	PPBV		99
72)	TETRACHLOROETHENE	9.553	164	474309	41.35	PPBV		100
73)	DIBROMOCHLOROMETHANE	8.335	129	632410	51.79	PPBV		100
74)	1,2-DIBROMOETHANE	8.688	107	592181	44.70	PPBV		99
75)	OCTANE	9.695	43	582409	40.06	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.794	131	470647	48.91	PPBV		99
78)	CHLOROBENZENE	10.782	112	959609	41.05	PPBV		100
79)	ETHYLBENZENE	11.672	91	1439525	35.81	PPBV		100
80)	M,P-XYLENE	12.106	91	2136147	71.98	PPBV		100
81)	O-XYLENE	13.055	91	1077230	36.04	PPBV		100
82)	STYRENE	12.833	104	921025	41.05	PPBV		100
83)	NONANE	14.170	43	580027	41.61	PPBV		99
84)	BROMOFORM	11.920	173	649049	56.11	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.064	83	793252	41.35	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.347	75	558675	42.09	PPBV	#	100
88)	ISOPROPYLBENZENE	14.579	120	448435	42.11	PPBV		100
89)	BROMOBENZENE	14.450	77	694791	40.85	PPBV		99
90)	2-CHLOROTOLUENE	15.585	126	397200	42.57	PPBV		99
91)	N-PROPYLBENZENE	15.916	120	451107	42.63	PPBV		99
92)	4-ETHYLTOLUENE	16.235	105	1480524	41.59	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.379	105	1200336	41.53	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.566	118	683266	43.21	PPBV		99
95)	TERT-BUTYLBENZENE	16.817	134	337903	42.32	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.826	105	1210467	42.83	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52204.D
Acq On : 5 Mar 2021 5:05 pm
Operator : danat
Sample : ic2318-40
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:30:12 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:55:57 2021
Response via : Initial Calibration

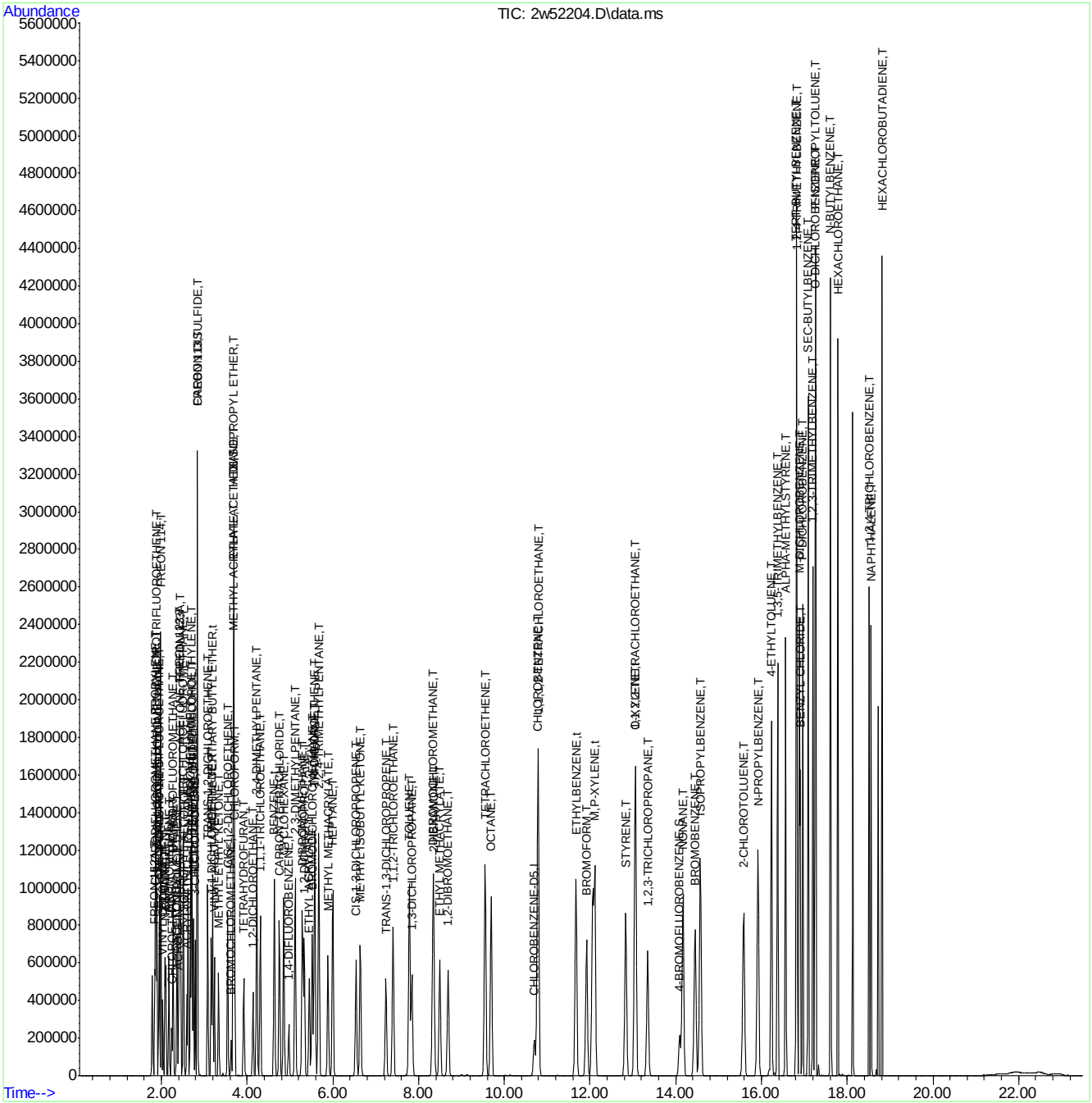
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.907	91	881676	65.15	PPBV	99
98)	M-DICHLOROBENZENE	16.884	146	852411	39.96	PPBV	99
99)	P-DICHLOROBENZENE	16.965	146	846503	39.80	PPBV	99
100)	O-DICHLOROBENZENE	17.254	146	791392	40.26	PPBV	100
101)	SEC-BUTYLBENZENE	17.090	134	406402	42.42	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.199	105	1150529	41.62	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.264	134	433847	43.90	PPBV	98
104)	N-BUTYLBENZENE	17.608	134	394721	43.56	PPBV	97
105)	HEXACHLOROETHANE	17.784	117	469712	63.73	PPBV	99
106)	HEXACHLOROBUTADIENE	18.817	225	470977	41.15	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.511	180	525790	36.18	PPBV	99
108)	NAPHTHALENE	18.559	128	1059992	30.45	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52204.D
Acq On : 5 Mar 2021 5:05 pm
Operator : danat
Sample : ic2318-40
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 17:30:12 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 16:55:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52206.D
Acq On : 5 Mar 2021 6:07 pm
Operator : danat
Sample : icv2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 10:32:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.624	128	50390	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.968	114	257628	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.698	117	229964	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	141676	9.96	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.833	65	41664	9.59	PPBV		99
4) CHLORODIFLUOROMETHANE	1.853	67	13231	9.66	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.866	116	109613	9.79	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.885	85	150067	9.34	PPBV		100
7) PROPYLENE	1.862	41	40744	8.72	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.936	65	106584	9.75	PPBV		99
9) FREON 114	1.981	85	178441	9.33	PPBV		99
10) CHLOROMETHANE	1.943	52	17075	9.86	PPBV		97
11) VINYL CHLORIDE	2.023	62	69275	9.45	PPBV		98
12) 1,3-BUTADIENE	2.071	54	48787	9.60	PPBV		100
13) N-BUTANE	2.091	43	77924	8.84	PPBV	#	98
14) BROMOMETHANE	2.168	94	71799	9.34	PPBV		99
15) CHLOROETHANE	2.232	64	39832	9.92	PPBV		99
16) DICHLOROFLUOROMETHANE	2.264	67	132943	9.02	PPBV		99
17) ACETONITRILE	2.348	41	43258	7.72	PPBV		99
18) ACROLEIN	2.393	56	28324	9.26	PPBV		99
19) FREON 123	2.412	83	173417	9.74	PPBV		98
20) FREON 123A	2.431	117	104452	10.74	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.502	101	138779	9.07	PPBV		100
22) ISOPROPYL ALCOHOL	2.515	45	91005	7.47	PPBV		99
23) ACETONE	2.438	58	31305	7.99	PPBV		98
24) PENTANE	2.615	42	52509	9.21	PPBV		98
25) IODOMETHANE	2.673	142	203219	9.52	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.702	96	74578	9.47	PPBV		98
27) CARBON DISULFIDE	2.837	76	190254	11.31	PPBV	#	94
28) ETHANOL	2.264	45	20076	7.61	PPBV		99
29) BROMOETHENE	2.357	106	74403	9.85	PPBV		100
30) ACRYLONITRILE	2.586	52	39056	9.23	PPBV		98
31) METHYLENE CHLORIDE	2.737	84	65049	8.45	PPBV		99
32) 3-CHLOROPROPENE	2.779	76	35353	9.80	PPBV		98
33) FREON 113	2.833	151	124201	9.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.078	96	74760	9.84	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.708	59	105881	8.96	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.190	73	170875	9.70	PPBV		100
37) TETRAHYDROFURAN	3.920	72	32974	9.22	PPBV		98
38) HEXANE	3.679	57	104664	9.44	PPBV		99
39) VINYL ACETATE	3.232	86	19398	10.93	PPBV		96
40) 1,1-DICHLOROETHANE	3.158	63	110940	9.77	PPBV		99
41) METHYL ETHYL KETONE	3.332	72	35338	9.30	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.544	96	78813	9.33	PPBV		99
43) DIISOPROPYL ETHER	3.679	59	30471	9.65	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52206.D
Acq On : 5 Mar 2021 6:07 pm
Operator : danat
Sample : icv2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 10:32:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.682	61	23021	11.51	PPBV		86
45)	METHYL ACRYLATE	3.669	55	118167	9.79	PPBV		98
46)	CHLOROFORM	3.701	83	126258	9.37	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.219	57	122948	9.44	PPBV		100
48)	1,1,1-TRICHLOROETHANE	4.303	97	112749	9.93	PPBV		99
49)	CARBON TETRACHLORIDE	4.750	117	111758	10.67	PPBV		100
50)	1,2-DICHLOROETHANE	4.129	62	68583	9.69	PPBV		99
51)	BENZENE	4.631	78	233065	9.13	PPBV		100
53)	CYCLOHEXANE	4.849	84	104993	9.68	PPBV		99
54)	2,3-DIMETHYLPENTANE	5.116	71	52174	9.84	PPBV		100
55)	TRICHLOROETHENE	5.566	95	96891	9.37	PPBV		99
56)	1,2-DICHLOROPROPANE	5.325	63	80535	9.79	PPBV		100
57)	DIBROMOMETHANE	5.280	174	103536	9.30	PPBV		99
58)	ETHYL ACRYLATE	5.441	55	145708	10.17	PPBV		99
59)	BROMODICHLOROMETHANE	5.512	83	133697	10.21	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.663	57	327968	9.36	PPBV		100
61)	1,4-DIOXANE	5.573	88	48733	8.38	PPBV		99
62)	HEPTANE	5.991	43	100643	9.34	PPBV		98
63)	METHYL METHACRYLATE	5.878	69	82505	9.92	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.631	58	63737	9.91	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.537	75	126939	11.46	PPBV		99
66)	TOLUENE	7.778	91	284780	8.82	PPBV		100
67)	1,3-DICHLOROPROPANE	7.836	76	128944	9.87	PPBV	#	99
68)	TRANS-1,3-DICHLOROPROPENE	7.232	75	98254	10.80	PPBV		99
69)	1,1,2-TRICHLOROETHANE	7.396	83	79932	9.78	PPBV		99
70)	2-HEXANONE	8.341	58	83323	9.07	PPBV		98
71)	ETHYL METHACRYLATE	8.486	69	133603	11.24	PPBV		99
72)	TETRACHLOROETHENE	9.544	164	113644	9.66	PPBV		99
73)	DIBROMOCHLOROMETHANE	8.328	129	140607	10.87	PPBV		99
74)	1,2-DIBROMOETHANE	8.676	107	139698	10.18	PPBV		99
75)	OCTANE	9.688	43	136974	9.22	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.782	131	105244	10.42	PPBV		99
78)	CHLOROBENZENE	10.769	112	227805	9.54	PPBV		100
79)	ETHYLBENZENE	11.666	91	347230	8.60	PPBV		100
80)	M,P-XYLENE	12.097	91	508830	17.06	PPBV		99
81)	O-XYLENE	13.039	91	256638	8.54	PPBV		99
82)	STYRENE	12.827	104	218778	9.55	PPBV		100
83)	NONANE	14.158	43	139271	9.77	PPBV		99
84)	BROMOFORM	11.913	173	136417	10.96	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	13.048	83	188456	9.61	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	13.335	75	134312	9.88	PPBV	#	100
88)	ISOPROPYLBENZENE	14.566	120	108937	9.98	PPBV		100
89)	BROMOBENZENE	14.441	77	166327	9.58	PPBV		98
90)	2-CHLOROTOLUENE	15.572	126	97525	10.19	PPBV		100
91)	N-PROPYLBENZENE	15.913	120	109078	10.05	PPBV		100
92)	4-ETHYLTOLUENE	16.228	105	368931	10.13	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.373	105	294236	9.96	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.559	118	160681	9.89	PPBV		100
95)	TERT-BUTYLBENZENE	16.813	134	81966	10.02	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.817	105	294165	10.14	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52206.D
Acq On : 5 Mar 2021 6:07 pm
Operator : danat
Sample : icv2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 10:32:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

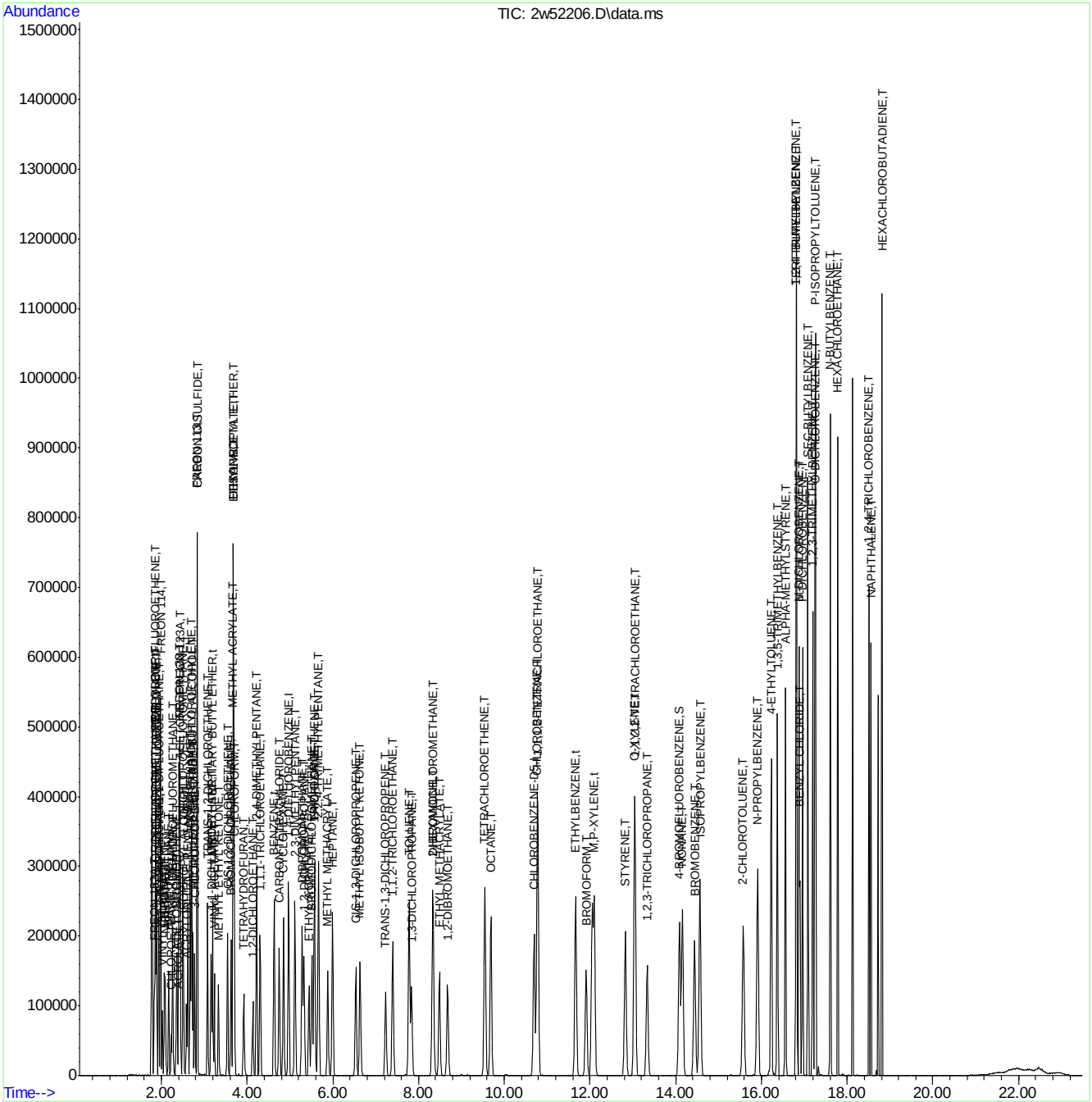
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.900	91	174057	11.72	PPBV	100
98) M-DICHLOROBENZENE	16.878	146	208444	9.60	PPBV	99
99) P-DICHLOROBENZENE	16.958	146	208109	9.62	PPBV	100
100) O-DICHLOROBENZENE	17.248	146	191761	9.58	PPBV	100
101) SEC-BUTYLBENZENE	17.087	134	98502	10.03	PPBV	96
102) 1,2,3-TRIMETHYLBENZENE	17.196	105	279043	9.87	PPBV	99
103) P-ISOPROPYLTOLUENE	17.260	134	107039	10.51	PPBV	98
104) N-BUTYLBENZENE	17.601	134	97751	10.48	PPBV	99
105) HEXACHLOROETHANE	17.781	117	101757	12.63	PPBV	99
106) HEXACHLOROBUTADIENE	18.813	225	129228	11.05	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	140317	9.60	PPBV	100
108) NAPHTHALENE	18.556	128	292507	8.51	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w52206.D
Acq On : 5 Mar 2021 6:07 pm
Operator : danat
Sample : icv2318-10
Misc : MS49231,V2W2318,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 09 10:32:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



M2W2318.M Tue Mar 09 10:32:46 2021 GCMS2W Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54059.D
Acq On : 17 Jun 2021 7:41 am
Operator : thomash
Sample : cc2318-10
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:40 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.640	128	39177	10.00	PPBV	#	0.02
52) 1,4-DIFLUOROBENZENE	4.981	114	201654	10.00	PPBV		0.01
76) CHLOROBENZENE-D5	10.695	117	176824	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.087	95	108403	9.91	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.850	65	32808	9.71	PPBV		94
4) CHLORODIFLUOROMETHANE	1.866	67	10871	10.21	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.882	116	76775	8.82	PPBV	#	1
6) DICHLORODIFLUOROMETHANE	1.901	85	143574	11.50	PPBV		99
7) PROPYLENE	1.879	41	38294	10.55	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.952	65	88495	10.41	PPBV		97
9) FREON 114	2.001	85	137031	9.21	PPBV		99
10) CHLOROMETHANE	1.959	52	14394	10.69	PPBV		98
11) VINYL CHLORIDE	2.042	62	54540	9.57	PPBV		100
12) 1,3-BUTADIENE	2.094	54	39950	10.12	PPBV		91
13) N-BUTANE	2.113	43	70792	10.33	PPBV	#	96
14) BROMOMETHANE	2.190	94	53480	8.95	PPBV		98
15) CHLOROETHANE	2.255	64	29653	9.50	PPBV		96
16) DICHLOROFLUOROMETHANE	2.287	67	108348	9.46	PPBV		99
17) ACETONITRILE	2.374	41	44201	10.14	PPBV		97
18) ACROLEIN	2.419	56	23715	9.97	PPBV		100
19) FREON 123	2.435	83	120012	8.67	PPBV		99
20) FREON 123A	2.457	117	67199	8.89	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.525	101	116109	9.76	PPBV		99
22) ISOPROPYL ALCOHOL	2.538	45	79085	8.34	PPBV		96
23) ACETONE	2.464	58	24268	7.97	PPBV		79
24) PENTANE	2.637	42	43243	9.76	PPBV		96
25) IODOMETHANE	2.695	142	145991	8.80	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.721	96	52174	8.52	PPBV		94
27) CARBON DISULFIDE	2.856	76	138590	10.60	PPBV		99
28) ETHANOL	2.290	45	21483	10.47	PPBV		98
29) BROMOETHENE	2.383	106	51977	8.85	PPBV	#	99
30) ACRYLONITRILE	2.608	52	32276	9.81	PPBV		98
31) METHYLENE CHLORIDE	2.756	84	46947	7.84	PPBV		94
32) 3-CHLOROPROPENE	2.798	76	25215	8.99	PPBV	#	80
33) FREON 113	2.856	151	88314	8.64	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.094	96	50812	8.60	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.727	59	86294	9.39	PPBV	#	93
36) METHYL TERTIARY BUTYL ...	3.210	73	117951	8.61	PPBV		98
37) TETRAHYDROFURAN	3.936	72	25141	9.04	PPBV		86
38) HEXANE	3.695	57	76483	8.87	PPBV	#	89
39) VINYL ACETATE	3.248	86	13627	9.88	PPBV	#	57
40) 1,1-DICHLOROETHANE	3.174	63	81828	9.27	PPBV		99
41) METHYL ETHYL KETONE	3.351	72	25810	8.74	PPBV		76
42) CIS-1,2-DICHLOROETHENE	3.560	96	55741	8.49	PPBV		95
43) DIISOPROPYL ETHER	3.698	59	22748	9.27	PPBV		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54059.D
Acq On : 17 Jun 2021 7:41 am
Operator : thomash
Sample : cc2318-10
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:40 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.698	61	15425	9.92	PPBV		64
45) METHYL ACRYLATE	3.686	55	92848	9.89	PPBV		95
46) CHLOROFORM	3.718	83	98378	9.39	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.235	57	92383	9.12	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.319	97	89797	10.18	PPBV		99
49) CARBON TETRACHLORIDE	4.759	117	94478	11.60	PPBV		100
50) 1,2-DICHLOROETHANE	4.149	62	57272	10.41	PPBV		98
51) BENZENE	4.644	78	164117	8.27	PPBV		96
53) CYCLOHEXANE	4.862	84	71044	8.37	PPBV		93
54) 2,3-DIMETHYLPENTANE	5.129	71	36713	8.84	PPBV		89
55) TRICHLOROETHENE	5.579	95	68490	8.46	PPBV		98
56) 1,2-DICHLOROPROPANE	5.335	63	59040	9.17	PPBV		98
57) DIBROMOMETHANE	5.296	174	71359	8.19	PPBV		97
58) ETHYL ACRYLATE	5.454	55	112840	10.06	PPBV		98
59) BROMODICHLOROMETHANE	5.525	83	107501	10.48	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.676	57	249795	9.10	PPBV		99
61) 1,4-DIOXANE	5.583	88	36674	8.06	PPBV	#	93
62) HEPTANE	6.007	43	85616	10.15	PPBV		89
63) METHYL METHACRYLATE	5.894	69	60607	9.31	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.644	58	48439	9.62	PPBV		85
65) CIS-1,3-DICHLOROPROPENE	6.544	75	86091	9.93	PPBV	#	94
66) TOLUENE	7.785	91	196960	7.80	PPBV		100
67) 1,3-DICHLOROPROPANE	7.840	76	93460	9.14	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.242	75	72698	10.21	PPBV	#	93
69) 1,1,2-TRICHLOROETHANE	7.406	83	58140	9.09	PPBV		98
70) 2-HEXANONE	8.351	58	62764	8.73	PPBV		85
71) ETHYL METHACRYLATE	8.489	69	94583	10.16	PPBV		91
72) TETRACHLOROETHENE	9.557	164	77525	8.42	PPBV		100
73) DIBROMOCHLOROMETHANE	8.335	129	111169	10.98	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	99623	9.27	PPBV		100
75) OCTANE	9.692	43	117784	10.13	PPBV	#	87
77) 1,1,1,2-TETRACHLOROETHANE	10.782	131	80576	10.37	PPBV		94
78) CHLOROBENZENE	10.775	112	155836	8.49	PPBV		97
79) ETHYLBENZENE	11.669	91	245641	7.91	PPBV		98
80) M,P-XYLENE	12.100	91	365252	15.93	PPBV		98
81) O-XYLENE	13.042	91	188209	8.15	PPBV		98
82) STYRENE	12.830	104	152695	8.66	PPBV		98
83) NONANE	14.158	43	122437	11.17	PPBV		86
84) BROMOFORM	11.910	173	114420	11.95	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.048	83	145373	9.64	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.338	75	102157	9.77	PPBV	#	100
88) ISOPROPYLBENZENE	14.566	120	75152	8.95	PPBV		92
89) BROMOBENZENE	14.441	77	124515	9.33	PPBV		97
90) 2-CHLOROTOLUENE	15.576	126	68590	9.32	PPBV		99
91) N-PROPYLBENZENE	15.913	120	75846	9.09	PPBV		100
92) 4-ETHYLTOLUENE	16.228	105	260603	9.31	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	216566	9.53	PPBV		97
94) ALPHA-METHYLSTYRENE	16.563	118	120862	9.67	PPBV		98
95) TERT-BUTYLBENZENE	16.810	134	57869	9.20	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	223376	10.01	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54059.D
Acq On : 17 Jun 2021 7:41 am
Operator : thomash
Sample : cc2318-10
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:40 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.900	91	148317	12.99	PPBV	99
98) M-DICHLOROBENZENE	16.878	146	157968	9.47	PPBV	99
99) P-DICHLOROBENZENE	16.961	146	157695	9.48	PPBV	100
100) O-DICHLOROBENZENE	17.251	146	151496	9.84	PPBV	99
101) SEC-BUTYLBENZENE	17.087	134	73366	9.71	PPBV	95
102) 1,2,3-TRIMETHYLBENZENE	17.196	105	221313	10.18	PPBV	96
103) P-ISOPROPYLTOLUENE	17.264	134	79564	10.16	PPBV	98
104) N-BUTYLBENZENE	17.608	134	73221	10.21	PPBV	89
105) HEXACHLOROETHANE	17.785	117	94625	15.27	PPBV	99
106) HEXACHLOROBUTADIENE	18.823	225	108249	12.04	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.514	180	117936	10.50	PPBV	99
108) NAPHTHALENE	18.563	128	238063	9.01	PPBV	99

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

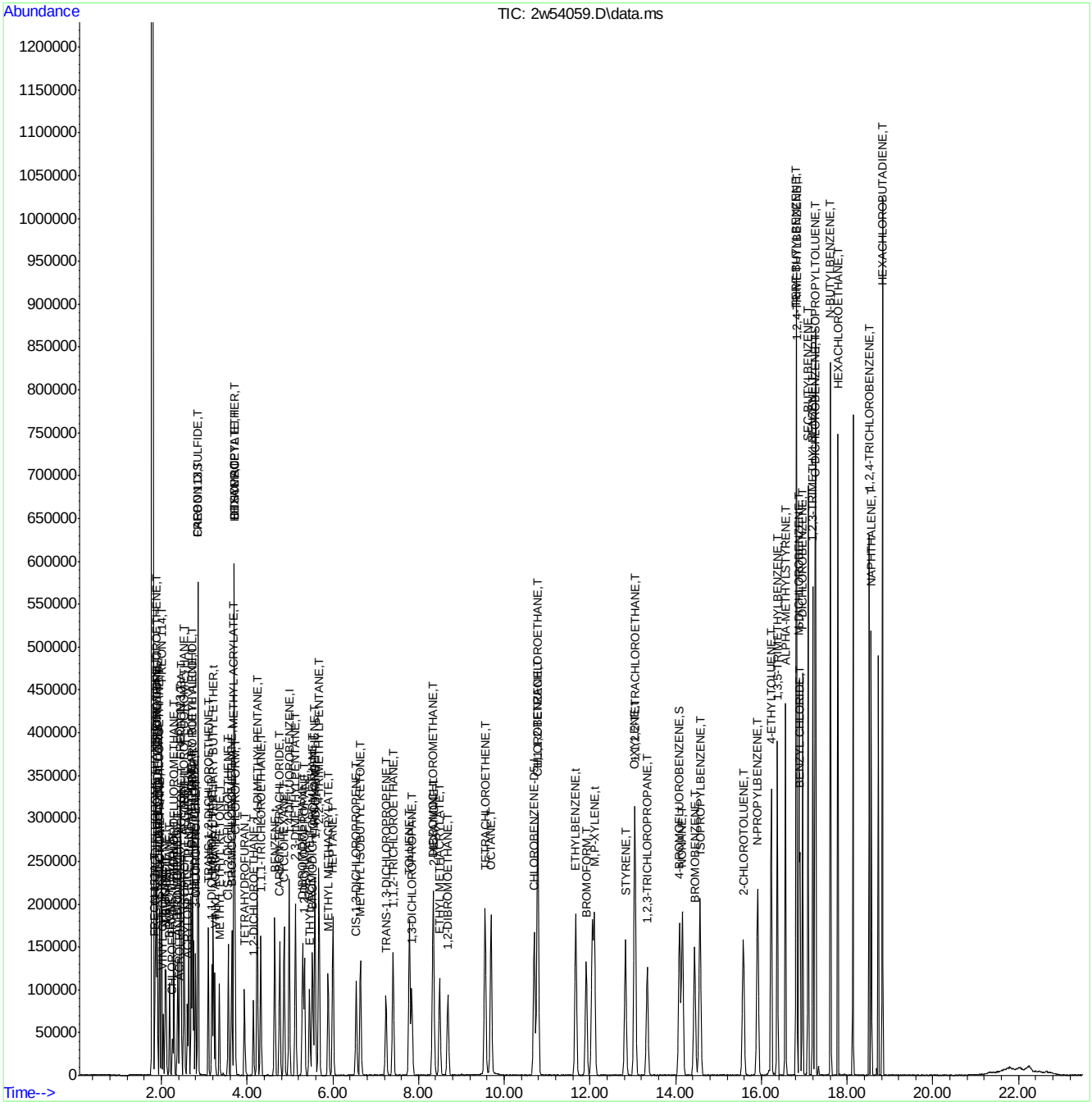
7.7.10

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54059.D
Acq On : 17 Jun 2021 7:41 am
Operator : thomash
Sample : cc2318-10
Misc : MS51572,V2W2397,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 09:50:40 2021
Quant Method : C:\msdchem\1\METHODS\M2W2318.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Fri Mar 05 17:31:08 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54654.D
Acq On : 27 Jul 2021 11:38 am
Operator : danat
Sample : ic2424-0.5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:47:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:46:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	89424	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	437760	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	380955	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.096	95	269734	10.14	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	3745	0.57	PPBV		91
4) CHLORODIFLUOROMETHANE	1.869	67	2276	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.885	116	9151	0.49	PPBV	#	96
6) DICHLORODIFLUOROMETHANE	1.907	85	19845	0.48	PPBV		98
7) PROPYLENE	1.885	41	3306	0.48	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.959	65	16965	0.49	PPBV	#	93
9) FREON 114	2.004	85	17266	0.48	PPBV		96
10) CHLOROMETHANE	1.968	52	1360	0.50	PPBV		97
11) VINYL CHLORIDE	2.042	62	5274	0.50	PPBV		96
12) 1,3-BUTADIENE	2.097	54	3464	0.46	PPBV		91
13) N-BUTANE	2.116	43	6858	0.50	PPBV	#	96
14) BROMOMETHANE	2.197	94	6089	0.52	PPBV		88
15) CHLOROETHANE	2.258	64	2853	0.49	PPBV		96
16) DICHLOROFLUOROMETHANE	2.290	67	13504	0.47	PPBV		96
17) ACETONITRILE	2.377	41	4571	0.65	PPBV		91
18) ACROLEIN	2.422	56	2610	0.58	PPBV		94
19) FREON 123	2.441	83	14600	0.52	PPBV		95
20) FREON 123A	2.460	117	8454	0.45	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.528	101	20956	0.48	PPBV		98
22) ISOPROPYL ALCOHOL	2.547	45	9846	0.54	PPBV	#	93
23) ACETONE	2.470	58	3039	0.67	PPBV		93
24) PENTANE	2.640	42	4289	0.51	PPBV		96
25) IODOMETHANE	2.698	142	17263	0.50	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.724	96	5216	0.45	PPBV		87
27) CARBON DISULFIDE	2.856	76	14040	0.49	PPBV		94
28) ETHANOL	2.299	45	2783	0.78	PPBV		96
29) BROMOETHENE	2.389	106	5906	0.49	PPBV		98
30) ACRYLONITRILE	2.615	52	3288	0.51	PPBV		88
31) METHYLENE CHLORIDE	2.759	84	5759	0.57	PPBV		97
32) 3-CHLOROPROPENE	2.801	76	2627	0.51	PPBV		98
33) FREON 113	2.856	151	12434	0.52	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	3.097	96	6408	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.734	59	9959	0.44	PPBV		94
36) METHYL TERTIARY BUTYL ...	3.219	73	15179	0.48	PPBV	#	95
37) TETRAHYDROFURAN	3.962	72	2311	0.45	PPBV		87
38) HEXANE	3.701	57	7601	0.48	PPBV		90
39) VINYL ACETATE	3.254	86	1395	0.50	PPBV	#	75
40) 1,1-DICHLOROETHANE	3.180	63	10333	0.52	PPBV		96
41) METHYL ETHYL KETONE	3.351	72	2924	0.54	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.563	96	6144	0.47	PPBV		100
43) DIISOPROPYL ETHER	3.698	59	2770	0.57	PPBV		72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54654.D
Acq On : 27 Jul 2021 11:38 am
Operator : danat
Sample : ic2424-0.5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:47:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:46:20 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	1491	0.51	PPBV		93
45) METHYL ACRYLATE	3.692	55	9815	0.50	PPBV	#	99
46) CHLOROFORM	3.721	83	14409	0.48	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.238	57	9058	0.48	PPBV		94
48) 1,1,1-TRICHLOROETHANE	4.322	97	16016	0.50	PPBV		94
49) CARBON TETRACHLORIDE	4.762	117	16797	0.47	PPBV		97
50) 1,2-DICHLOROETHANE	4.148	62	10444	0.49	PPBV	#	97
51) BENZENE	4.643	78	17724	0.49	PPBV		91
53) CYCLOHEXANE	4.868	84	7860	0.50	PPBV		92
54) 2,3-DIMETHYLPENTANE	5.132	71	3910	0.50	PPBV		90
55) TRICHLOROETHENE	5.579	95	9064	0.49	PPBV		97
56) 1,2-DICHLOROPROPANE	5.341	63	6017	0.51	PPBV		98
57) DIBROMOMETHANE	5.303	174	9608	0.50	PPBV		96
58) ETHYL ACRYLATE	5.467	55	11811	0.49	PPBV	#	94
59) BROMODICHLOROMETHANE	5.521	83	16763	0.50	PPBV		96
60) 2,2,4-TRIMETHYLPENTANE	5.676	57	26160	0.52	PPBV		99
61) 1,4-DIOXANE	5.608	88	5050	0.62	PPBV		93
62) HEPTANE	6.007	43	8446	0.51	PPBV		98
63) METHYL METHACRYLATE	5.904	69	6161	0.47	PPBV		98
64) METHYL ISOBUTYL KETONE	6.653	58	5056	0.52	PPBV	#	87
65) CIS-1,3-DICHLOROPROPENE	6.550	75	9771	0.48	PPBV		97
66) TOLUENE	7.791	91	22608	0.49	PPBV		99
67) 1,3-DICHLOROPROPANE	7.852	76	10935	0.50	PPBV	#	97
68) TRANS-1,3-DICHLOROPROPENE	7.251	75	8860	0.47	PPBV	#	89
69) 1,1,2-TRICHLOROETHANE	7.402	83	6183	0.47	PPBV		97
70) 2-HEXANONE	8.360	58	6080	0.48	PPBV		100
71) ETHYL METHACRYLATE	8.495	69	9139	0.43	PPBV	#	92
72) TETRACHLOROETHENE	9.560	164	9920	0.48	PPBV		97
73) DIBROMOCHLOROMETHANE	8.338	129	16663	0.48	PPBV		97
74) 1,2-DIBROMOETHANE	8.685	107	13253	0.51	PPBV	#	93
75) OCTANE	9.691	43	11723	0.51	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.794	131	11156	0.48	PPBV		95
78) CHLOROBENZENE	10.778	112	18895	0.50	PPBV		99
79) ETHYLBENZENE	11.666	91	28933	0.46	PPBV		95
80) M,P-XYLENE	12.061	91	47823	0.97	PPBV	#	63
81) O-XYLENE	13.045	91	24657	0.50	PPBV		94
82) STYRENE	12.830	104	17577	0.48	PPBV		96
83) NONANE	14.148	43	11787	0.50	PPBV	#	26
84) BROMOFORM	11.920	173	15793	0.46	PPBV	#	95
85) 1,1,2,2-TETRACHLOROETHANE	13.051	83	15250	0.50	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	13.334	75	12732	0.50	PPBV	#	99
88) ISOPROPYLBENZENE	14.572	120	8838	0.48	PPBV	#	51
89) BROMOBENZENE	14.444	77	16199	0.50	PPBV	#	88
90) 2-CHLOROTOLUENE	15.579	126	8124	0.50	PPBV	#	86
91) N-PROPYLBENZENE	15.913	120	8620	0.46	PPBV	#	90
92) 4-ETHYLTOLUENE	16.231	105	31609	0.46	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	26338	0.45	PPBV		95
94) ALPHA-METHYLSTYRENE	16.563	118	12513	0.44	PPBV		98
95) TERT-BUTYLBENZENE	16.817	134	6913	0.50	PPBV		88
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	27963	0.47	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54654.D
Acq On : 27 Jul 2021 11:38 am
Operator : danat
Sample : ic2424-0.5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:47:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:46:20 2021
Response via : Initial Calibration

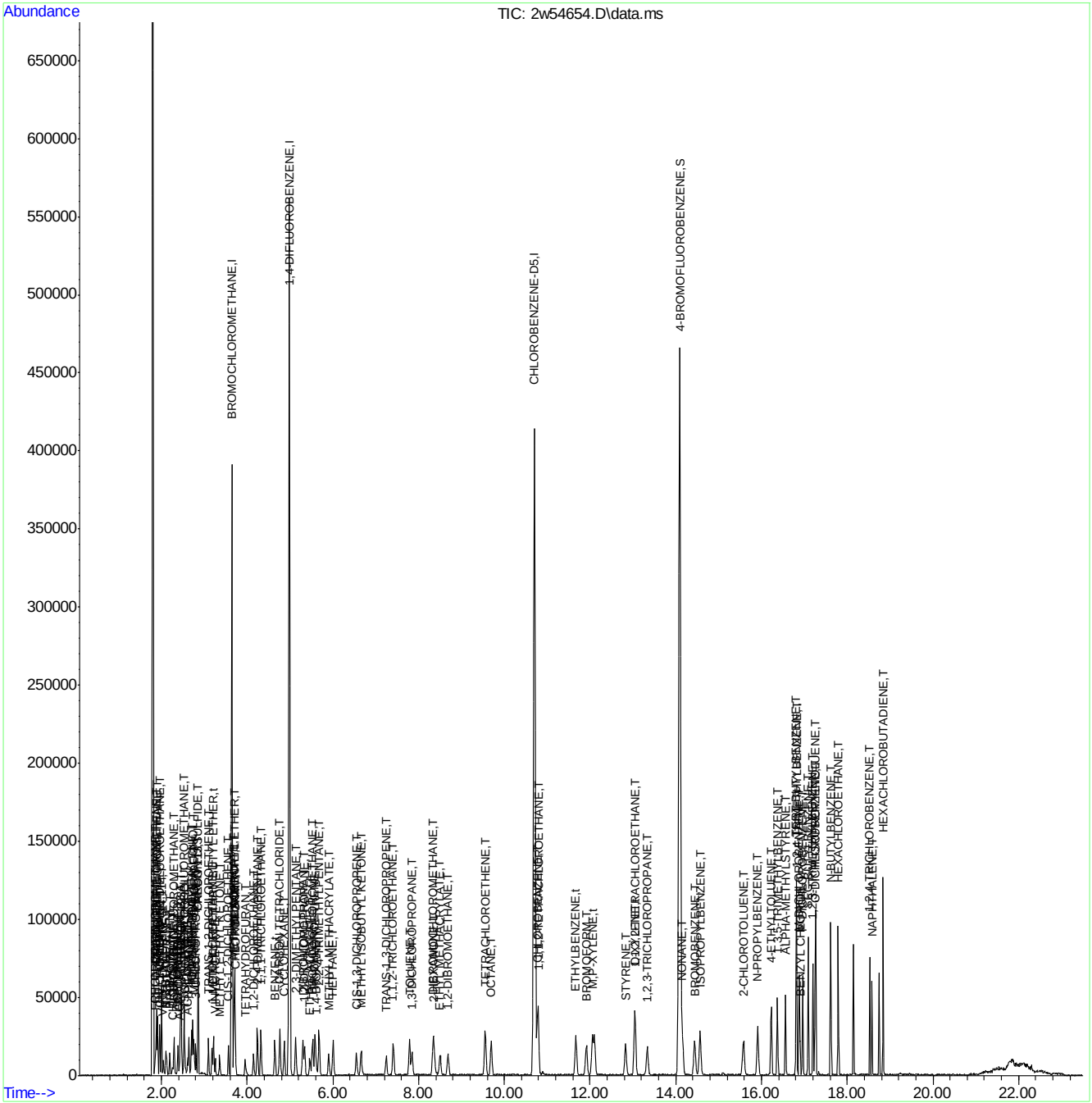
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	11114	0.35	PPBV	97
98)	M-DICHLOROBENZENE	16.881	146	18365	0.47	PPBV	99
99)	P-DICHLOROBENZENE	16.961	146	19940	0.52	PPBV	96
100)	O-DICHLOROBENZENE	17.254	146	16298	0.46	PPBV	96
101)	SEC-BUTYLBENZENE	17.093	134	7916	0.47	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.199	105	26983	0.48	PPBV	96
103)	P-ISOPROPYLTOLUENE	17.267	134	8590	0.47	PPBV	100
104)	N-BUTYLBENZENE	17.614	134	7873	0.47	PPBV	99
105)	HEXACHLOROETHANE	17.794	117	10229	0.45	PPBV	95
106)	HEXACHLOROBUTADIENE	18.839	225	12580	0.52	PPBV	98
107)	1,2,4-TRICHLOROBENZENE	18.530	180	11874	0.50	PPBV	98
108)	NAPHTHALENE	18.579	128	26501	0.56	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54654.D
Acq On : 27 Jul 2021 11:38 am
Operator : danat
Sample : ic2424-0.5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:47:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:46:20 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon 07/28/21 11:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:51:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.640	128	86192	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	424800	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.698	117	372550	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.093	95	257850	9.87	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.859	65	1307m	0.20	PPBV		
4) CHLORODIFLUOROMETHANE	1.872	67	735	0.17	PPBV	#	75
5) CHLOROTRIFLUOROETHENE	1.891	116	3698	0.21	PPBV	#	91
6) DICHLORODIFLUOROMETHANE	1.910	85	8124	0.21	PPBV		98
7) PROPYLENE	1.891	41	1587	0.24	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.962	65	6954	0.21	PPBV	#	85
9) FREON 114	2.007	85	6848	0.20	PPBV		95
10) CHLOROMETHANE	1.962	52	618	0.24	PPBV		96
11) VINYL CHLORIDE	2.045	62	2268	0.22	PPBV	#	99
12) 1,3-BUTADIENE	2.097	54	1482	0.21	PPBV		89
13) N-BUTANE	2.116	43	2668	0.20	PPBV	#	76
14) BROMOMETHANE	2.200	94	2117	0.18	PPBV		94
15) CHLOROETHANE	2.261	64	1153	0.21	PPBV	#	87
16) DICHLOROFLUOROMETHANE	2.290	67	5492	0.20	PPBV	#	94
17) ACETONITRILE	2.380	41	1520	0.20	PPBV	#	50
18) ACROLEIN	2.428	56	998	0.22	PPBV		94
19) FREON 123	2.441	83	5865	0.21	PPBV		92
20) FREON 123A	2.457	117	3563	0.20	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.524	101	8427	0.20	PPBV		100
22) ISOPROPYL ALCOHOL	2.544	45	4923	0.27	PPBV	#	79
23) ACETONE	2.463	58	1371	0.28	PPBV		86
24) PENTANE	2.640	42	1689	0.21	PPBV		97
25) IODOMETHANE	2.695	142	6437	0.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.727	96	2341	0.22	PPBV		96
27) CARBON DISULFIDE	2.856	76	5552	0.20	PPBV	#	73
28) ETHANOL	2.299	45	1031	0.25	PPBV	#	89
29) BROMOETHENE	2.393	106	2331	0.20	PPBV	#	97
30) ACRYLONITRILE	2.614	52	1402	0.22	PPBV		96
31) METHYLENE CHLORIDE	2.756	84	2870	0.28	PPBV		97
32) 3-CHLOROPROPENE	2.804	76	1056	0.21	PPBV	#	92
33) FREON 113	2.852	151	4697	0.20	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	3.100	96	2166	0.18	PPBV		90
35) TERTIARY BUTYL ALCOHOL	2.730	59	4249	0.20	PPBV	#	90
36) METHYL TERTIARY BUTYL ...	3.219	73	6040	0.20	PPBV	#	92
37) TETRAHYDROFURAN	3.962	72	922	0.19	PPBV		89
38) HEXANE	3.695	57	3271	0.22	PPBV		90
39) VINYL ACETATE	3.254	86	560	0.21	PPBV	#	77
40) 1,1-DICHLOROETHANE	3.174	63	3878	0.20	PPBV	#	91
41) METHYL ETHYL KETONE	3.367	72	906	0.17	PPBV	#	44
42) CIS-1,2-DICHLOROETHENE	3.557	96	2666	0.22	PPBV		98
43) DIISOPROPYL ETHER	3.698	59	682	0.14	PPBV	#	14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:51:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.701	61	624	0.22	PPBV	#	73
45) METHYL ACRYLATE	3.695	55	4037	0.21	PPBV	#	99
46) CHLOROFORM	3.717	83	6198	0.22	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.235	57	3973	0.22	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.325	97	5919	0.19	PPBV	#	91
49) CARBON TETRACHLORIDE	4.762	117	7207	0.21	PPBV		100
50) 1,2-DICHLOROETHANE	4.148	62	4202	0.21	PPBV		98
51) BENZENE	4.646	78	6736	0.20	PPBV		99
53) CYCLOHEXANE	4.862	84	3246	0.21	PPBV		99
54) 2,3-DIMETHYLPENTANE	5.135	71	1163	0.15	PPBV	#	40
55) TRICHLOROETHENE	5.582	95	3888	0.22	PPBV		93
56) 1,2-DICHLOROPROPANE	5.338	63	2442	0.21	PPBV		97
57) DIBROMOMETHANE	5.306	174	4056	0.22	PPBV		94
58) ETHYL ACRYLATE	5.466	55	4367	0.19	PPBV		97
59) BROMODICHLOROMETHANE	5.524	83	6430	0.20	PPBV		87
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	10517	0.21	PPBV		98
61) 1,4-DIOXANE	5.627	88	2203	0.26	PPBV	#	63
62) HEPTANE	6.010	43	3296	0.20	PPBV		92
63) METHYL METHACRYLATE	5.900	69	2572	0.21	PPBV		93
64) METHYL ISOBUTYL KETONE	6.659	58	1873	0.20	PPBV	#	90
65) CIS-1,3-DICHLOROPROPENE	6.547	75	3773	0.19	PPBV		95
66) TOLUENE	7.801	91	8737	0.20	PPBV		95
67) 1,3-DICHLOROPROPANE	7.846	76	4392	0.21	PPBV	#	98
68) TRANS-1,3-DICHLOROPROPENE	7.251	75	3393	0.19	PPBV	#	90
69) 1,1,2-TRICHLOROETHANE	7.415	83	2582	0.21	PPBV		94
70) 2-HEXANONE	8.376	58	2922	0.24	PPBV	#	87
71) ETHYL METHACRYLATE	8.495	69	3320	0.17	PPBV	#	47
72) TETRACHLOROETHENE	9.547	164	4287	0.22	PPBV		95
73) DIBROMOCHLOROMETHANE	8.334	129	6558	0.20	PPBV		94
74) 1,2-DIBROMOETHANE	8.688	107	4977	0.20	PPBV	#	99
75) OCTANE	9.695	43	4411	0.20	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.797	131	4669	0.21	PPBV	#	34
78) CHLOROBENZENE	10.775	112	7352	0.20	PPBV		96
79) ETHYLBENZENE	11.666	91	12141	0.20	PPBV		99
80) M,P-XYLENE	12.100	91	18669	0.39	PPBV	#	54
81) O-XYLENE	13.042	91	9927	0.20	PPBV	#	86
82) STYRENE	12.826	104	6425	0.18	PPBV		97
83) NONANE	14.157	43	4886	0.21	PPBV	#	32
84) BROMOFORM	11.919	173	5835	0.18	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	13.061	83	6102	0.20	PPBV		95
86) 1,2,3-TRICHLOROPROPANE	13.347	75	5038	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	14.579	120	3613	0.20	PPBV		98
89) BROMOBENZENE	14.437	77	6986	0.22	PPBV		89
90) 2-CHLOROTOLUENE	15.575	126	3038	0.19	PPBV		97
91) N-PROPYLBENZENE	15.910	120	3382	0.19	PPBV	#	83
92) 4-ETHYLTOLUENE	16.231	105	11892	0.18	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.369	105	10084	0.18	PPBV		99
94) ALPHA-METHYLSTYRENE	16.569	118	5094	0.19	PPBV		98
95) TERT-BUTYLBENZENE	16.816	134	2275	0.17	PPBV		79
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	10242	0.18	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:51:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

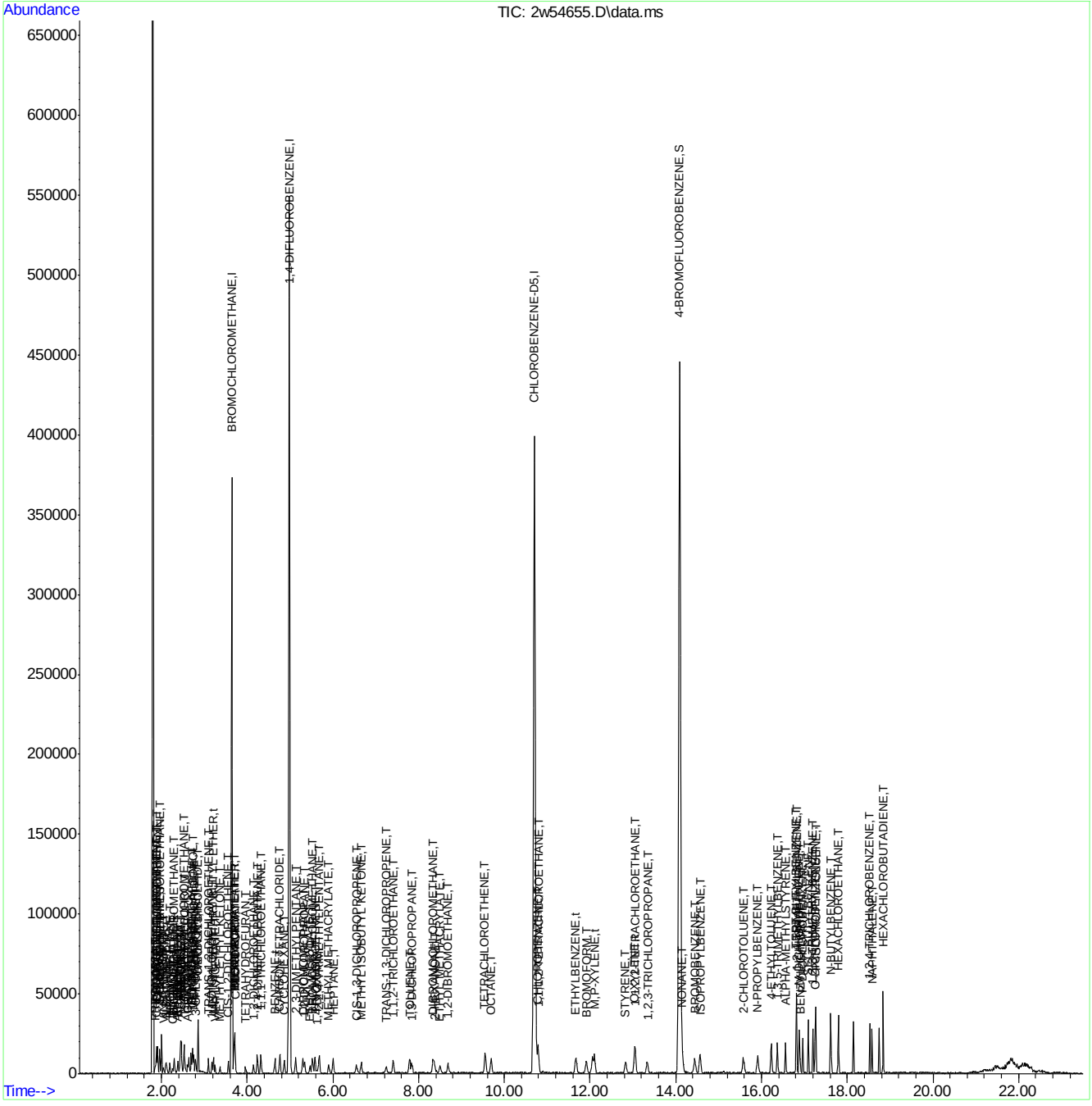
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	4424	0.16	PPBV	96
98)	M-DICHLOROBENZENE	16.881	146	7771	0.21	PPBV	95
99)	P-DICHLOROBENZENE	16.961	146	7074	0.19	PPBV	97
100)	O-DICHLOROBENZENE	17.250	146	6601	0.20	PPBV	98
101)	SEC-BUTYLBENZENE	17.090	134	3544	0.22	PPBV	68
102)	1,2,3-TRIMETHYLBENZENE	17.199	105	10354	0.19	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.270	134	3179	0.18	PPBV	99
104)	N-BUTYLBENZENE	17.611	134	3129	0.19	PPBV	95
105)	HEXACHLOROETHANE	17.794	117	4139	0.19	PPBV	95
106)	HEXACHLOROBUTADIENE	18.842	225	4762	0.20	PPBV	96
107)	1,2,4-TRICHLOROBENZENE	18.530	180	4936	0.21	PPBV	93
108)	NAPHTHALENE	18.582	128	11211	0.23	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:51:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2W2424-IC2424
Lab FileID: 2W54655.D
Injection Time: 07/27/21 12:10

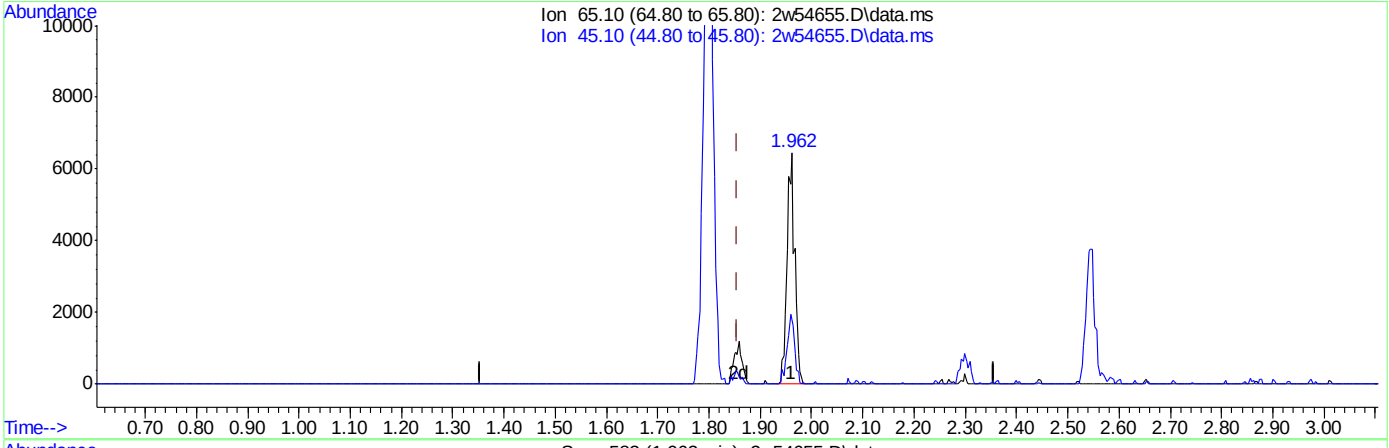
Method: TO-15
Analyst approved: 07/28/21 11:16 Dana Tryon
Supervisor approved: 07/28/21 11:23 Dana Tryon

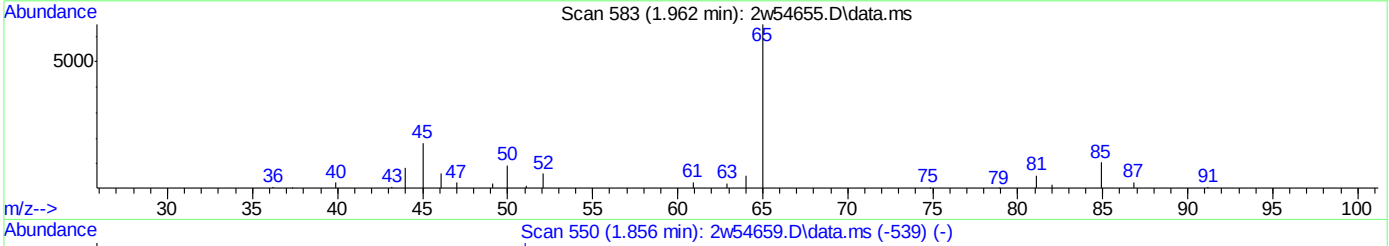
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.86	Poor instrument integration

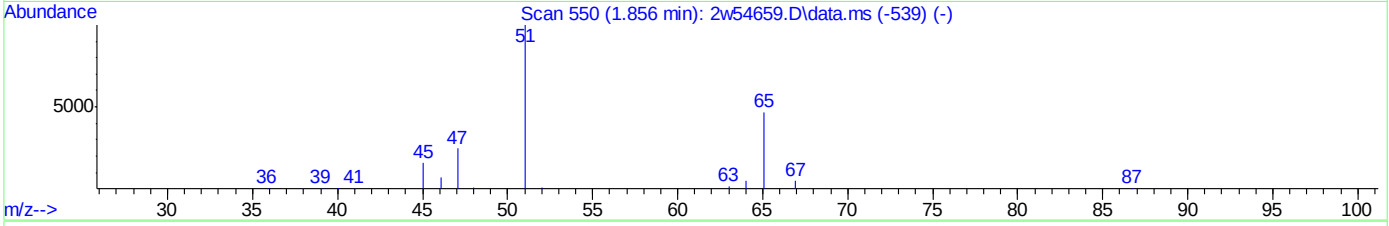
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:48:36 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration







TIC: 2w54655.D\data.ms

(3) FREON 152A (T)

1.962min (+0.106) 1.05PPBV

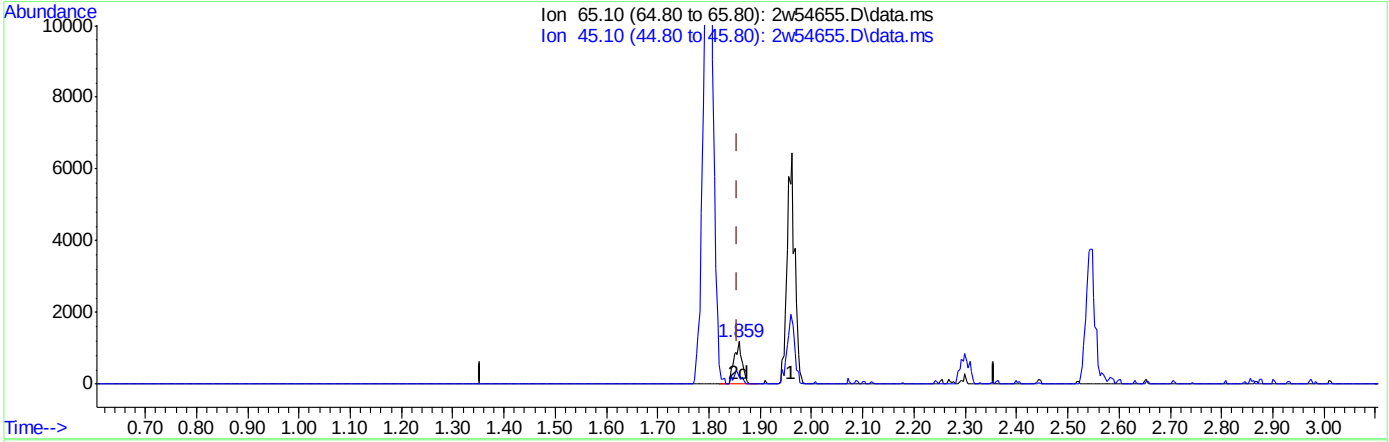
response 6956

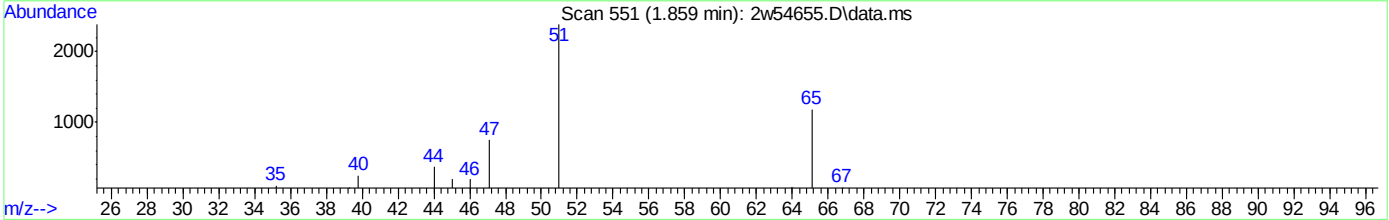
Ion	Exp%	Act%
65.10	100	100
45.10	36.50	30.19
0.00	0.00	0.00
0.00	0.00	0.00

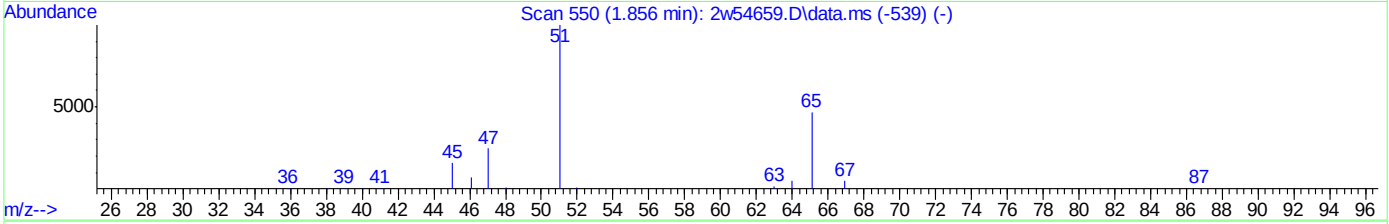
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54655.D
Acq On : 27 Jul 2021 12:10 pm
Operator : danat
Sample : ic2424-0.2
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:48:36 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration







TIC: 2w54655.D\data.ms

(3) FREON 152A (T)

1.859min (+0.003) 0.20PPBV m

response 1307

Ion	Exp%	Act%
65.10	100	100
45.10	36.50	160.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
07/28/21 11:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:53:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	83390	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	415863	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.698	117	357247	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	251572	10.04	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.862	65	680	0.11	PPBV	#	81
4) CHLORODIFLUOROMETHANE	1.878	67	368	0.09	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.888	116	1948	0.11	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.910	85	3808	0.10	PPBV		99
7) PROPYLENE	1.891	41	793	0.13	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.962	65	3277	0.10	PPBV	#	58
9) FREON 114	2.007	85	3366	0.10	PPBV	#	81
10) CHLOROMETHANE	1.968	52	288	0.11	PPBV		89
11) VINYL CHLORIDE	2.052	62	1124	0.11	PPBV	#	77
12) 1,3-BUTADIENE	2.097	54	848	0.12	PPBV	#	88
13) N-BUTANE	2.119	43	1378	0.11	PPBV	#	90
14) BROMOMETHANE	2.203	94	1260	0.11	PPBV	#	91
15) CHLOROETHANE	2.254	64	564	0.10	PPBV	#	76
16) DICHLOROFLUOROMETHANE	2.293	67	2816	0.11	PPBV		94
17) ACETONITRILE	2.383	41	956	0.13	PPBV	#	87
18) ACROLEIN	2.418	56	612	0.14	PPBV	#	66
19) FREON 123	2.438	83	2982	0.11	PPBV		89
20) FREON 123A	2.463	117	2154	0.13	PPBV		89
21) TRICHLOROFLUOROMETHANE	2.528	101	3974	0.10	PPBV		92
24) PENTANE	2.637	42	859	0.11	PPBV	#	92
25) IODOMETHANE	2.698	142	3621	0.11	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.717	96	1286	0.12	PPBV	#	80
27) CARBON DISULFIDE	2.859	76	2770	0.10	PPBV	#	33
29) BROMOETHENE	2.389	106	1379	0.12	PPBV	#	85
30) ACRYLONITRILE	2.605	52	625	0.10	PPBV	#	77
32) 3-CHLOROPROPENE	2.801	76	496	0.10	PPBV	#	43
33) FREON 113	2.856	151	2288	0.10	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	3.097	96	1179	0.10	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.733	59	2203	0.11	PPBV	#	79
36) METHYL TERTIARY BUTYL ...	3.216	73	2847	0.10	PPBV		98
37) TETRAHYDROFURAN	3.958	72	458	0.10	PPBV	#	73
38) HEXANE	3.695	57	1638	0.11	PPBV		91
39) VINYL ACETATE	3.251	86	300	0.12	PPBV	#	64
40) 1,1-DICHLOROETHANE	3.180	63	1763	0.09	PPBV		91
41) METHYL ETHYL KETONE	3.357	72	554	0.11	PPBV	#	94
42) CIS-1,2-DICHLOROETHENE	3.566	96	1533	0.13	PPBV		86
43) DIISOPROPYL ETHER	3.701	59	506	0.11	PPBV		79
44) ETHYL ACETATE	3.717	61	192	0.07	PPBV	#	1
45) METHYL ACRYLATE	3.692	55	2027	0.11	PPBV	#	65
46) CHLOROFORM	3.717	83	3127	0.11	PPBV		97
47) 2,4-DIMETHYLPENTANE	4.238	57	1746	0.10	PPBV		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:53:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	1,1,1-TRICHLOROETHANE	4.319	97	2870	0.10	PPBV		99
49)	CARBON TETRACHLORIDE	4.765	117	3490	0.11	PPBV		93
50)	1,2-DICHLOROETHANE	4.148	62	2075	0.10	PPBV	#	94
51)	BENZENE	4.643	78	3724	0.11	PPBV		99
53)	CYCLOHEXANE	4.875	84	1705	0.11	PPBV	#	84
54)	2,3-DIMETHYLPENTANE	5.132	71	918	0.12	PPBV	#	86
55)	TRICHLOROETHENE	5.576	95	1864	0.11	PPBV		92
56)	1,2-DICHLOROPROPANE	5.338	63	1258	0.11	PPBV	#	90
57)	DIBROMOMETHANE	5.296	174	1850	0.10	PPBV	#	82
58)	ETHYL ACRYLATE	5.473	55	2060	0.09	PPBV	#	91
59)	BROMODICHLOROMETHANE	5.521	83	3519	0.11	PPBV		96
60)	2,2,4-TRIMETHYLPENTANE	5.675	57	4994	0.10	PPBV		99
61)	1,4-DIOXANE	5.634	88	928	0.11	PPBV	#	68
62)	HEPTANE	6.010	43	1754	0.11	PPBV		94
63)	METHYL METHACRYLATE	5.900	69	1081	0.09	PPBV		96
64)	METHYL ISOBUTYL KETONE	6.659	58	979	0.10	PPBV		96
65)	CIS-1,3-DICHLOROPROPENE	6.550	75	2023	0.11	PPBV		97
66)	TOLUENE	7.797	91	4625	0.11	PPBV		97
67)	1,3-DICHLOROPROPANE	7.849	76	2329	0.11	PPBV	#	42
68)	TRANS-1,3-DICHLOROPROPENE	7.248	75	1631	0.09	PPBV	#	76
69)	1,1,2-TRICHLOROETHANE	7.405	83	1538	0.13	PPBV	#	81
70)	2-HEXANONE	8.376	58	1064	0.09	PPBV	#	82
71)	ETHYL METHACRYLATE	8.498	69	1970	0.10	PPBV	#	92
72)	TETRACHLOROETHENE	9.563	164	1893	0.10	PPBV	#	28
73)	DIBROMOCHLOROMETHANE	8.331	129	3256	0.10	PPBV		94
74)	1,2-DIBROMOETHANE	8.682	107	2415	0.10	PPBV	#	96
75)	OCTANE	9.691	43	2225	0.10	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.791	131	2221	0.10	PPBV		96
78)	CHLOROBENZENE	10.772	112	4236	0.12	PPBV	#	81
79)	ETHYLBENZENE	11.665	91	6004	0.10	PPBV		96
80)	M,P-XYLENE	12.103	91	8431m	0.18	PPBV		
81)	O-XYLENE	13.045	91	4961	0.11	PPBV		94
82)	STYRENE	12.836	104	3080	0.09	PPBV		95
83)	NONANE	14.141	43	2374	0.11	PPBV	#	80
84)	BROMOFORM	11.916	173	2873	0.09	PPBV	#	91
85)	1,1,2,2-TETRACHLOROETHANE	13.058	83	2818	0.10	PPBV	#	86
86)	1,2,3-TRICHLOROPROPANE	13.337	75	2765	0.12	PPBV	#	99
88)	ISOPROPYLBENZENE	14.566	120	1722	0.10	PPBV		95
89)	BROMOBENZENE	14.447	77	3235	0.11	PPBV		96
90)	2-CHLOROTOLUENE	15.575	126	1780	0.12	PPBV	#	76
91)	N-PROPYLBENZENE	15.923	120	1684	0.10	PPBV	#	62
92)	4-ETHYLTOLUENE	16.228	105	5836	0.09	PPBV		92
93)	1,3,5-TRIMETHYLBENZENE	16.376	105	5646	0.11	PPBV		91
94)	ALPHA-METHYLSTYRENE	16.562	118	2334	0.09	PPBV		93
95)	TERT-BUTYLBENZENE	16.810	134	1285	0.10	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.816	105	5088	0.09	PPBV		93
97)	BENZYL CHLORIDE	16.894	91	2132	0.08	PPBV		93
98)	M-DICHLOROBENZENE	16.877	146	3729	0.10	PPBV		94
99)	P-DICHLOROBENZENE	16.961	146	3685	0.10	PPBV		93
100)	O-DICHLOROBENZENE	17.254	146	3222	0.10	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:53:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration

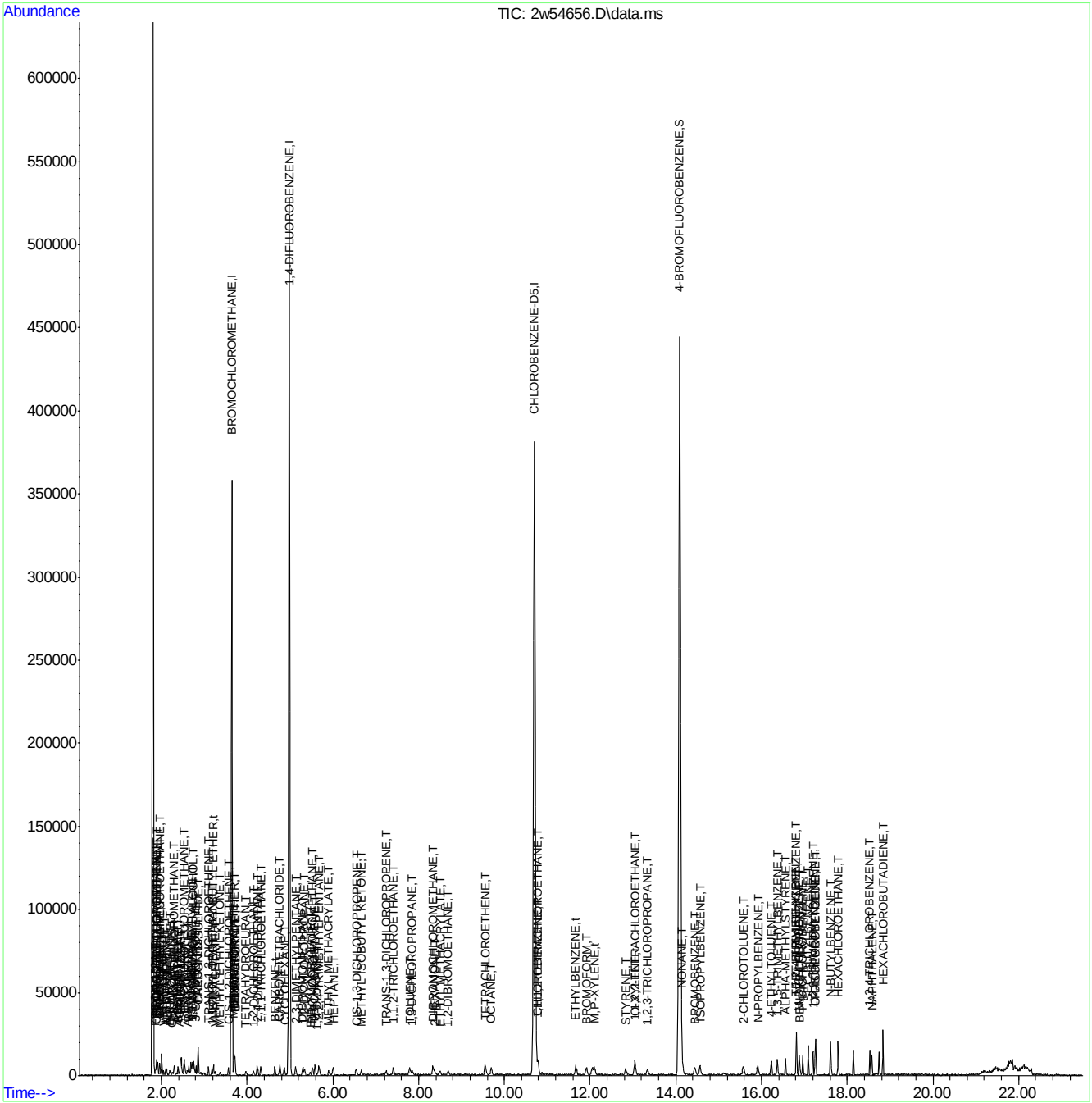
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
101) SEC-BUTYLBENZENE	17.090	134	1354	0.09	PPBV	90
102) 1,2,3-TRIMETHYLBENZENE	17.202	105	5599	0.11	PPBV	93
103) P-ISOPROPYLTOLUENE	17.267	134	1710	0.10	PPBV	96
104) N-BUTYLBENZENE	17.611	134	1466	0.09	PPBV	85
105) HEXACHLOROETHANE	17.794	117	1959	0.09	PPBV	98
106) HEXACHLOROBUTADIENE	18.836	225	2712	0.12	PPBV	91
107) 1,2,4-TRICHLOROBENZENE	18.527	180	2724	0.12	PPBV	96
108) NAPHTHALENE	18.575	128	5845	0.13	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:53:41 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration



Manual Integration Approval Summary

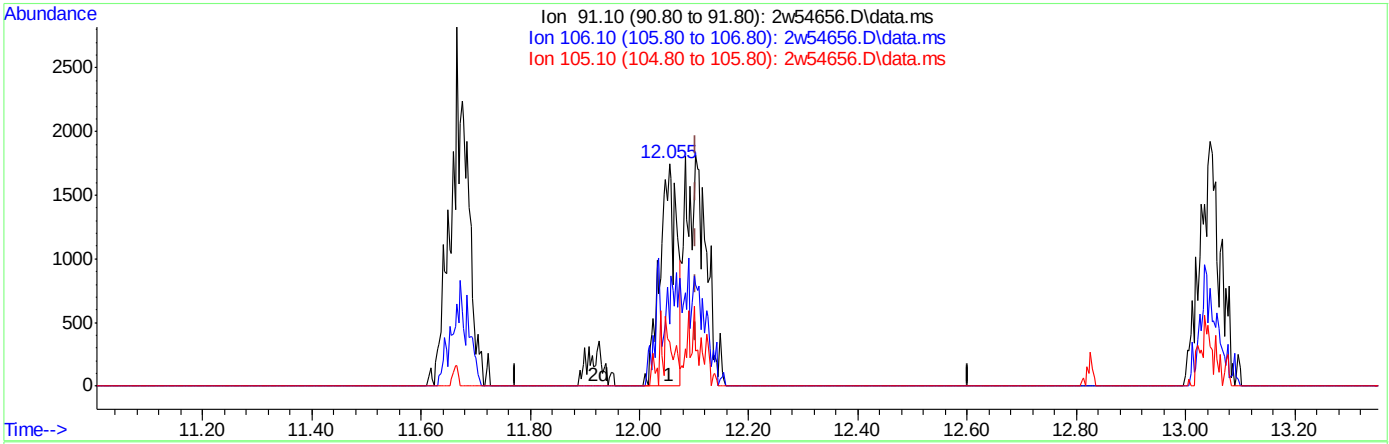
Sample Number:	V2W2424-IC2424	**Method:**	TO-15
Lab FileID:	2W54656.D	**Analyst approved:**	07/28/21 11:16 Dana Tryon
Injection Time:	07/27/21 12:41	**Supervisor approved:**	07/28/21 11:23 Dana Tryon

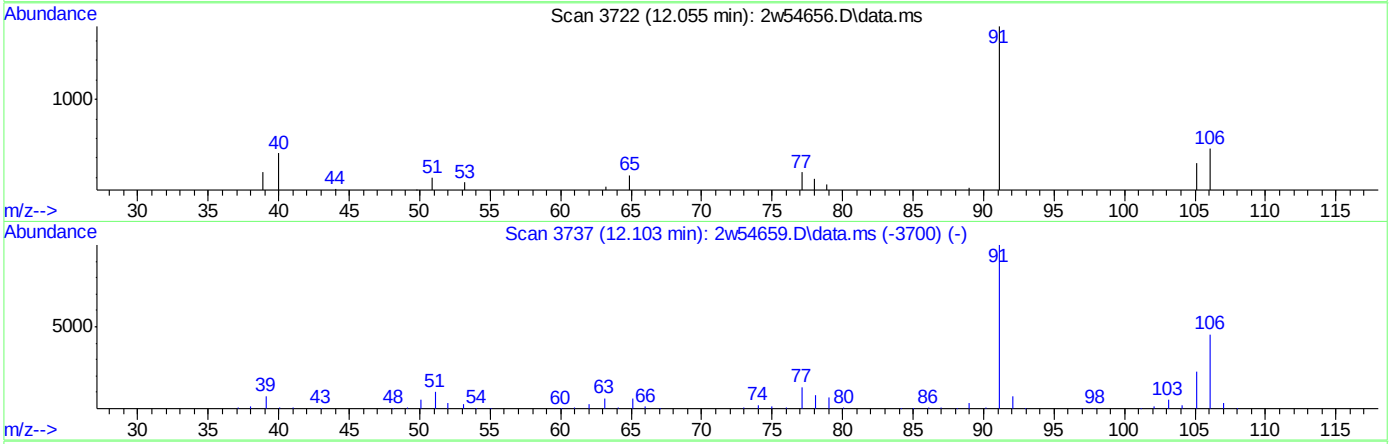
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			12.10	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:52:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration





TIC: 2w54656.D\data.ms

(80) M,P-XYLENE (t)

12.055min (-0.048) 0.08PPBV

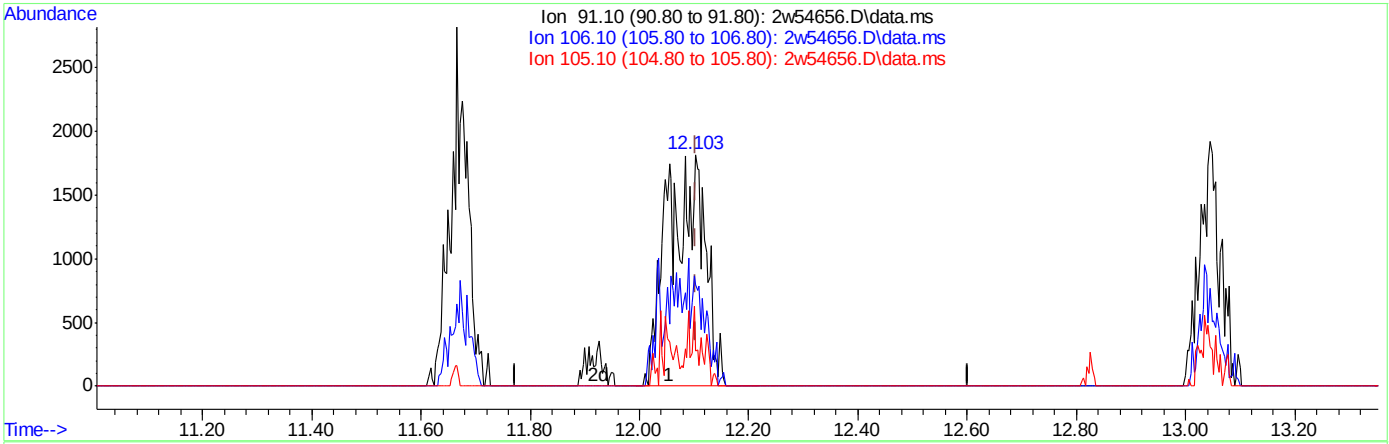
response 3706

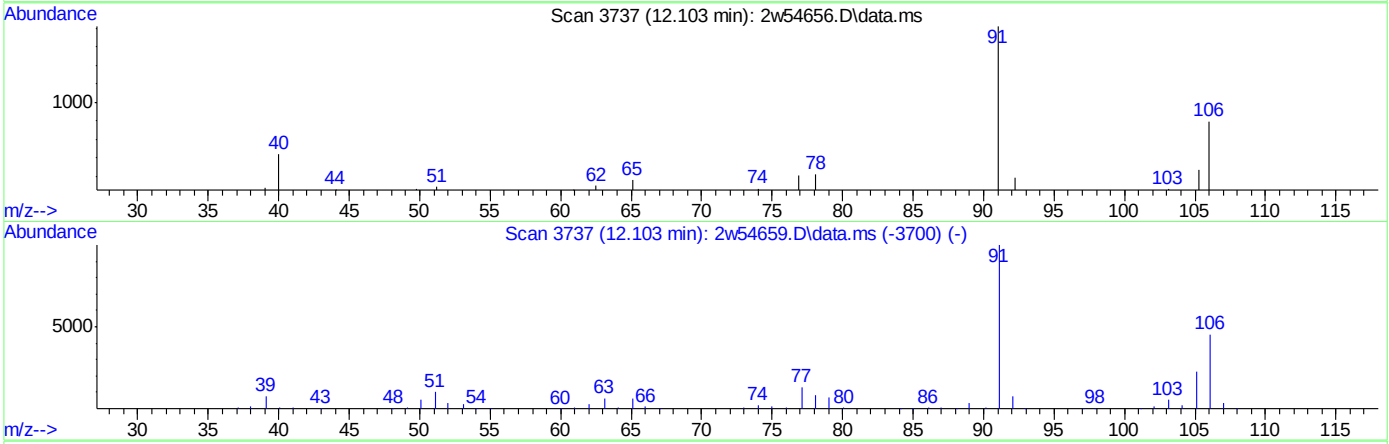
Ion	Exp%	Act%
91.10	100	100
106.10	0.00	0.00
105.10	22.00	18.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54656.D
Acq On : 27 Jul 2021 12:41 pm
Operator : danat
Sample : ic2424-0.1
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:52:30 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:48:25 2021
Response via : Initial Calibration





TIC: 2w54656.D\data.ms

(80) M,P-XYLENE (t)

12.103min (-0.000) 0.18PPBV m

response 8431

Ion	Exp%	Act%
91.10	100	100
106.10	0.00	0.00
105.10	22.00	8.30
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
07/28/21 11:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:57:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.644	128	83186	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	414874	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	358722	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.090	95	248335	9.86	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	271	0.04	PPBV	#	38
4) CHLORODIFLUOROMETHANE	1.878	67	188	0.05	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.888	116	845	0.05	PPBV	#	93
7) PROPYLENE	1.888	41	400	0.06	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.956	65	1369	0.04	PPBV	#	18
9) FREON 114	2.007	85	1374	0.04	PPBV		89
11) VINYL CHLORIDE	2.055	62	468	0.05	PPBV	#	49
12) 1,3-BUTADIENE	2.100	54	220	0.03	PPBV	#	52
13) N-BUTANE	2.123	43	659	0.05	PPBV	#	68
14) BROMOMETHANE	2.203	94	542	0.05	PPBV	#	71
15) CHLOROETHANE	2.258	64	258	0.05	PPBV	#	44
16) DICHLOROFLUOROMETHANE	2.290	67	1245	0.05	PPBV	#	87
19) FREON 123	2.435	83	1146	0.04	PPBV	#	89
20) FREON 123A	2.460	117	599	0.03	PPBV	#	61
21) TRICHLOROFLUOROMETHANE	2.528	101	1735	0.04	PPBV		97
24) PENTANE	2.640	42	263	0.03	PPBV	#	31
25) IODOMETHANE	2.698	142	1263	0.04	PPBV		86
26) 1,1-DICHLOROETHYLENE	2.727	96	533	0.05	PPBV		96
27) CARBON DISULFIDE	2.859	76	1193	0.04	PPBV	#	76
29) BROMOETHENE	2.390	106	529	0.04	PPBV	#	72
30) ACRYLONITRILE	2.602	52	302	0.05	PPBV	#	75
32) 3-CHLOROPROPENE	2.801	76	169	0.03	PPBV	#	36
33) FREON 113	2.856	151	920	0.04	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	3.094	96	528	0.05	PPBV	#	80
35) TERTIARY BUTYL ALCOHOL	2.740	59	823	0.04	PPBV	#	82
36) METHYL TERTIARY BUTYL ...	3.209	73	1190	0.04	PPBV	#	85
38) HEXANE	3.698	57	612	0.04	PPBV		91
40) 1,1-DICHLOROETHANE	3.184	63	800	0.04	PPBV	#	74
41) METHYL ETHYL KETONE	3.377	72	225	0.04	PPBV	#	83
42) CIS-1,2-DICHLOROETHENE	3.566	96	345	0.03	PPBV	#	52
43) DIISOPROPYL ETHER	3.711	59	145	0.03	PPBV	#	50
45) METHYL ACRYLATE	3.695	55	640	0.03	PPBV	#	65
46) CHLOROFORM	3.721	83	1128	0.04	PPBV	#	83
47) 2,4-DIMETHYLPENTANE	4.238	57	687	0.04	PPBV	#	81
48) 1,1,1-TRICHLOROETHANE	4.309	97	1477	0.05	PPBV		92
49) CARBON TETRACHLORIDE	4.762	117	1405	0.04	PPBV		96
50) 1,2-DICHLOROETHANE	4.158	62	686	0.03	PPBV	#	94
51) BENZENE	4.644	78	1470	0.04	PPBV	#	75
53) CYCLOHEXANE	4.859	84	585	0.04	PPBV	#	63
54) 2,3-DIMETHYLPENTANE	5.126	71	259	0.03	PPBV	#	69
55) TRICHLOROETHENE	5.579	95	571	0.03	PPBV	#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:57:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56)	1,2-DICHLOROPROPANE	5.338	63	526	0.05	PPBV	#	66
57)	DIBROMOMETHANE	5.306	174	978	0.05	PPBV	#	74
58)	ETHYL ACRYLATE	5.473	55	766	0.03	PPBV	#	72
59)	BROMODICHLOROMETHANE	5.528	83	1218	0.04	PPBV	#	82
60)	2,2,4-TRIMETHYLPENTANE	5.679	57	1855	0.04	PPBV	#	87
61)	1,4-DIOXANE	5.698	88	226	0.03	PPBV	#	1
62)	HEPTANE	6.004	43	566	0.03	PPBV	#	75
63)	METHYL METHACRYLATE	5.891	69	400	0.03	PPBV	#	77
65)	CIS-1,3-DICHLOROPROPENE	6.557	75	742	0.04	PPBV	#	31
66)	TOLUENE	7.785	91	1839	0.04	PPBV		98
67)	1,3-DICHLOROPROPANE	7.846	76	945	0.04	PPBV	#	66
68)	TRANS-1,3-DICHLOROPROPENE	7.258	75	640	0.04	PPBV	#	67
69)	1,1,2-TRICHLOROETHANE	7.393	83	420	0.03	PPBV		85
70)	2-HEXANONE	8.376	58	523	0.05	PPBV	#	90
71)	ETHYL METHACRYLATE	8.505	69	542	0.03	PPBV	#	81
72)	TETRACHLOROETHENE	9.547	164	753	0.04	PPBV	#	58
73)	DIBROMOCHLOROMETHANE	8.328	129	1152	0.04	PPBV		96
74)	1,2-DIBROMOETHANE	8.701	107	788	0.03	PPBV	#	99
75)	OCTANE	9.708	43	1000	0.05	PPBV	#	82
77)	1,1,1,2-TETRACHLOROETHANE	10.794	131	860	0.04	PPBV	#	58
78)	CHLOROBENZENE	10.769	112	1520	0.04	PPBV	#	86
79)	ETHYLBENZENE	11.691	91	2447	0.04	PPBV		93
80)	M,P-XYLENE	12.068	91	3567	0.08	PPBV	#	74
81)	O-XYLENE	13.035	91	1793	0.04	PPBV	#	51
82)	STYRENE	12.830	104	1171	0.04	PPBV	#	91
83)	NONANE	14.151	43	1083	0.05	PPBV	#	26
84)	BROMOFORM	11.900	173	863	0.03	PPBV	#	36
85)	1,1,2,2-TETRACHLOROETHANE	13.055	83	1069	0.04	PPBV	#	89
86)	1,2,3-TRICHLOROPROPANE	13.338	75	1181	0.05	PPBV	#	99
88)	ISOPROPYLBENZENE	14.566	120	708	0.04	PPBV	#	77
89)	BROMOBENZENE	14.447	77	1073	0.03	PPBV		90
90)	2-CHLOROTOLUENE	15.595	126	525	0.03	PPBV	#	42
91)	N-PROPYLBENZENE	15.913	120	565	0.03	PPBV	#	62
92)	4-ETHYLTOLUENE	16.228	105	2385	0.04	PPBV	#	85
93)	1,3,5-TRIMETHYLBENZENE	16.373	105	2247	0.04	PPBV	#	95
94)	ALPHA-METHYLSTYRENE	16.563	118	1055	0.04	PPBV	#	92
95)	TERT-BUTYLBENZENE	16.804	134	500	0.04	PPBV		88
96)	1,2,4-TRIMETHYLBENZENE	16.820	105	1763	0.03	PPBV	#	73
97)	BENZYL CHLORIDE	16.897	91	694	0.03	PPBV	#	84
98)	M-DICHLOROBENZENE	16.875	146	1492	0.04	PPBV		97
99)	P-DICHLOROBENZENE	16.965	146	1358m	0.04	PPBV		
100)	O-DICHLOROBENZENE	17.254	146	1280	0.04	PPBV		92
101)	SEC-BUTYLBENZENE	17.096	134	693	0.05	PPBV		82
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1843	0.03	PPBV		97
103)	P-ISOPROPYLTOLUENE	17.260	134	647	0.04	PPBV		94
104)	N-BUTYLBENZENE	17.614	134	671	0.04	PPBV		78
105)	HEXACHLOROETHANE	17.794	117	958	0.05	PPBV	#	80
106)	HEXACHLOROBUTADIENE	18.836	225	1158	0.05	PPBV		90
107)	1,2,4-TRICHLOROBENZENE	18.527	180	1271	0.05	PPBV		97
108)	NAPHTHALENE	18.575	128	2368	0.05	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:57:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration

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

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

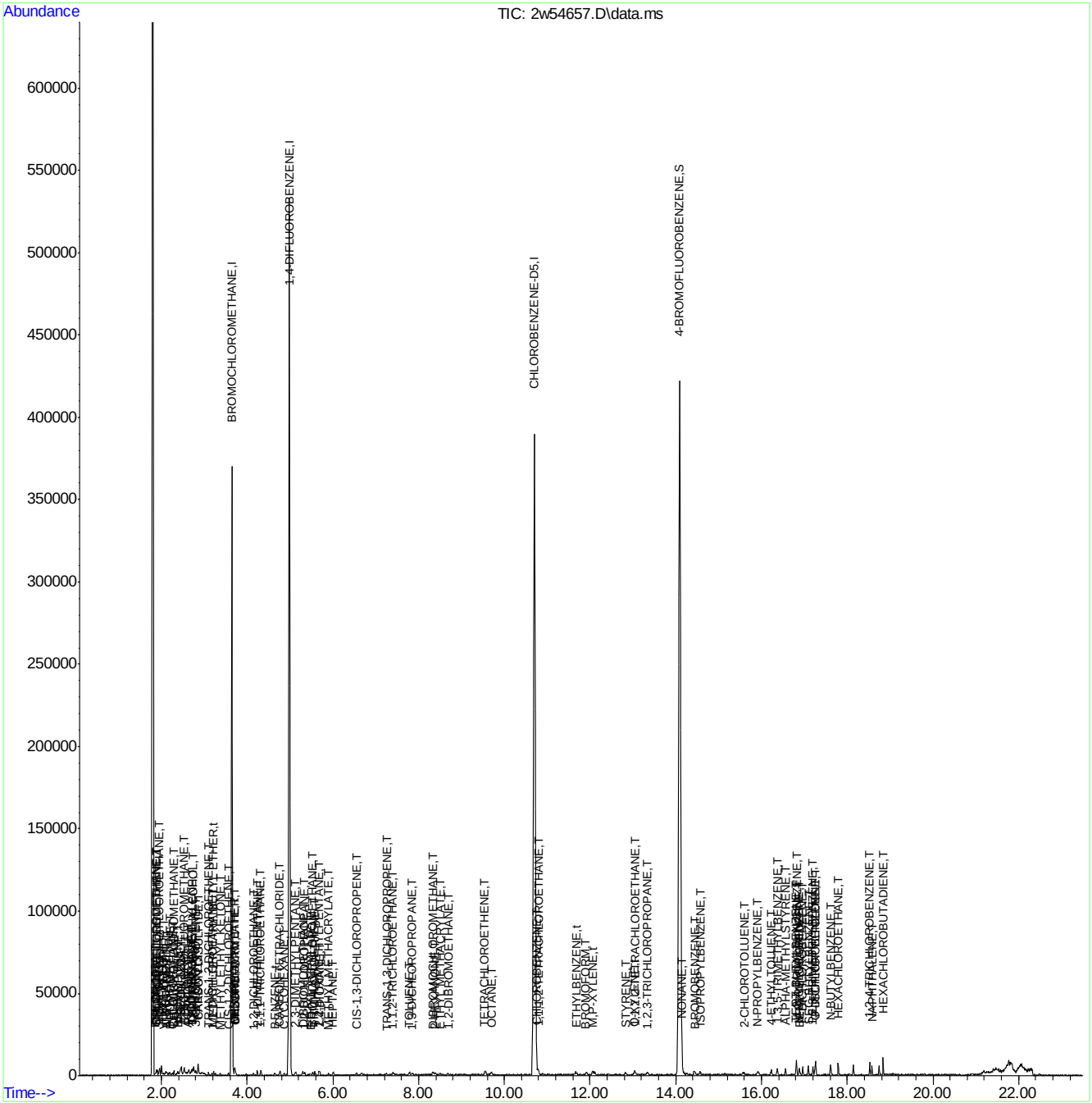
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:57:43 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2W2424-IC2424
Lab FileID: 2W54657.D
Injection Time: 07/27/21 13:13

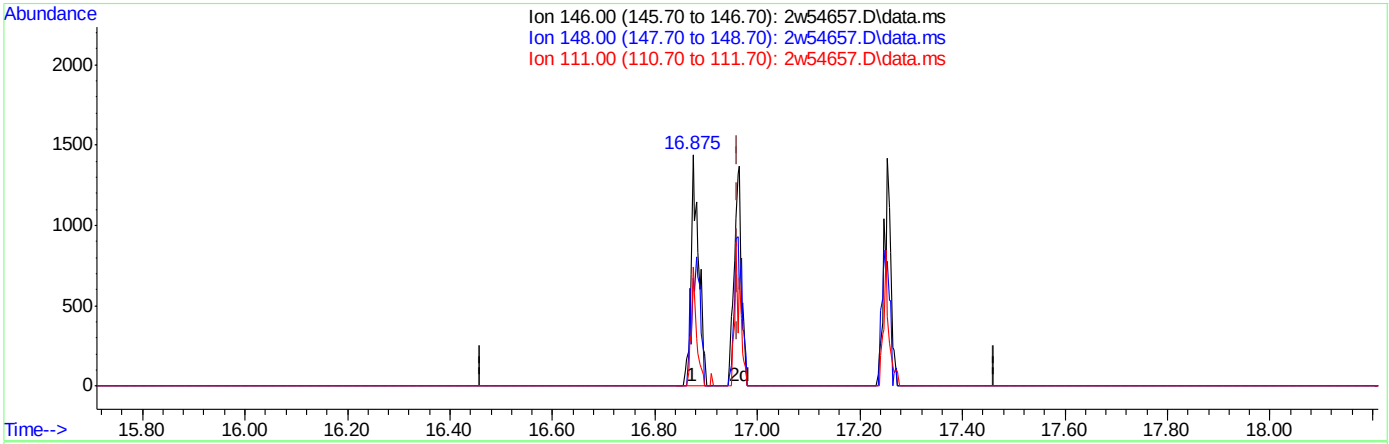
Method: TO-15
Analyst approved: 07/28/21 11:16 Dana Tryon
Supervisor approved: 07/28/21 11:23 Dana Tryon

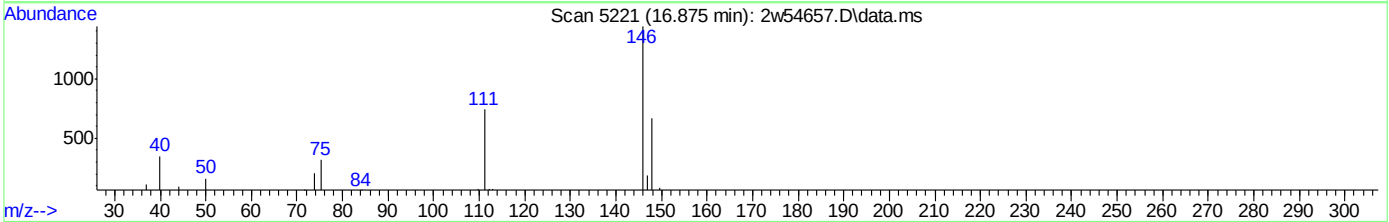
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Dichlorobenzene	106-46-7		16.96	Poor instrument integration

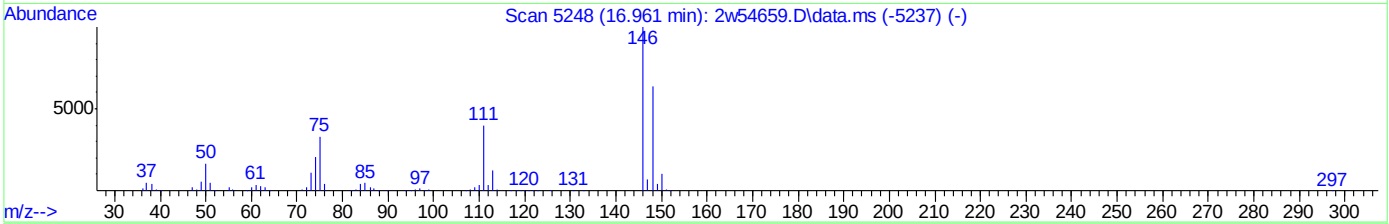
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:54:18 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration







TIC: 2w54657.D\data.ms

(99) P-DICHLOROBENZENE (T)

16.875min (-0.087) 0.04PPBV

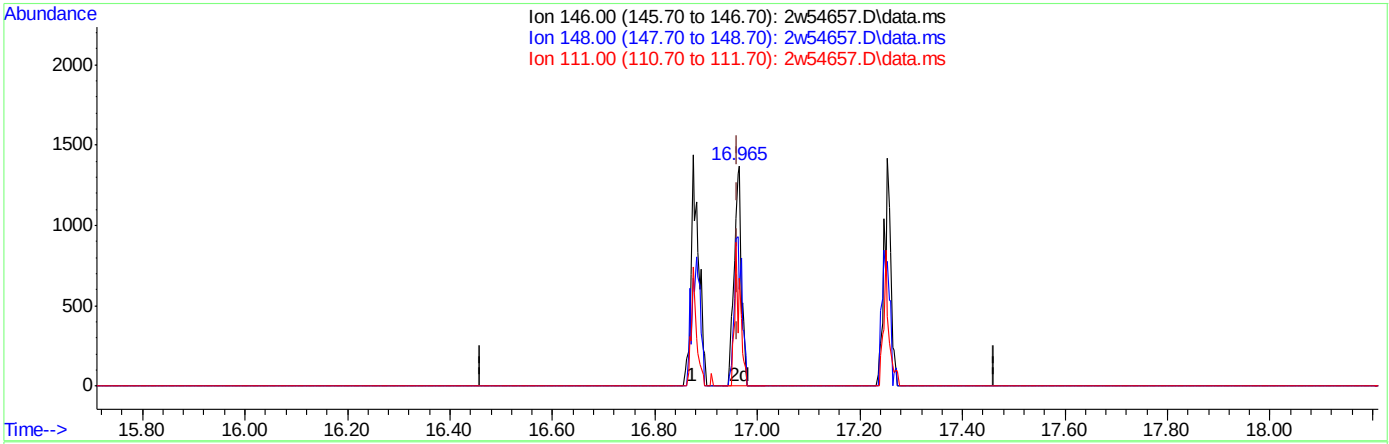
response 1492

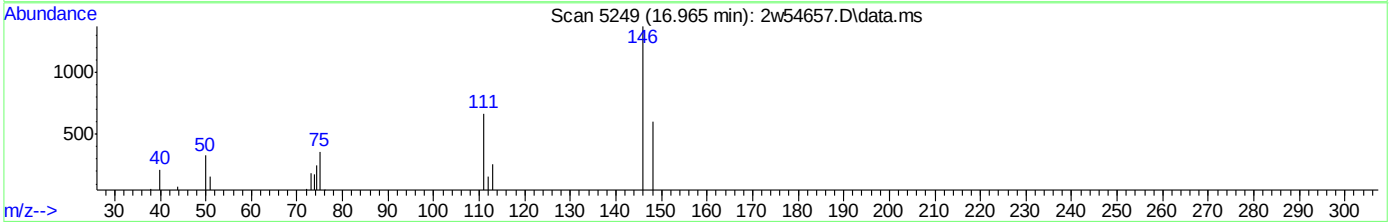
Ion	Exp%	Act%
146.00	100	100
148.00	64.70	64.68
111.00	39.10	37.40
0.00	0.00	0.00

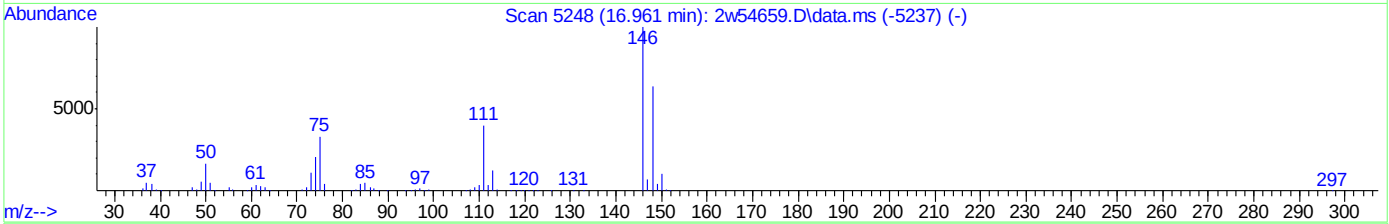
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54657.D
Acq On : 27 Jul 2021 1:13 pm
Operator : danat
Sample : ic2424-0.04
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 27 14:54:18 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:54:04 2021
Response via : Initial Calibration







TIC: 2w54657.D\data.ms

(99) P-DICHLOROBENZENE (T)

16.965min (+0.003) 0.04PPBV m

response 1358

Ion	Exp%	Act%
146.00	100	100
148.00	64.70	71.06
111.00	39.10	41.09
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54658.D
Acq On : 27 Jul 2021 1:44 pm
Operator : danat
Sample : ic2424-5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:45:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:44:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	83682	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	415186	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	361915	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.096	95	253399	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.849	65	31310	5.22	PPBV		99
4) CHLORODIFLUOROMETHANE	1.869	67	20950	5.13	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.881	116	89054	5.17	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.904	85	200016	5.29	PPBV		99
7) PROPYLENE	1.881	41	32712	5.16	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.952	65	164923	5.14	PPBV		99
9) FREON 114	1.997	85	171015	5.19	PPBV		100
10) CHLOROMETHANE	1.962	52	13083	5.34	PPBV		100
11) VINYL CHLORIDE	2.045	62	51285	5.35	PPBV		100
12) 1,3-BUTADIENE	2.090	54	35729	5.13	PPBV		100
13) N-BUTANE	2.113	43	65710	5.29	PPBV		100
14) BROMOMETHANE	2.190	94	56783	5.31	PPBV		98
15) CHLOROETHANE	2.254	64	27528	5.13	PPBV		96
16) DICHLOROFLUOROMETHANE	2.287	67	138228	5.26	PPBV		100
17) ACETONITRILE	2.373	41	33280	5.16	PPBV		96
18) ACROLEIN	2.422	56	21345	5.22	PPBV		98
19) FREON 123	2.438	83	133939	5.22	PPBV		100
20) FREON 123A	2.457	117	89755	5.20	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.524	101	208202	5.24	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	87026	5.22	PPBV		99
23) ACETONE	2.463	58	21090	4.97	PPBV		90
24) PENTANE	2.640	42	39880	5.10	PPBV		98
25) IODOMETHANE	2.695	142	164092	5.13	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.724	96	55141	5.14	PPBV		98
27) CARBON DISULFIDE	2.856	76	137756	5.21	PPBV		100
28) ETHANOL	2.287	45	16853	5.12	PPBV		94
29) BROMOETHENE	2.383	106	58225	5.27	PPBV		99
30) ACRYLONITRILE	2.611	52	30819	5.16	PPBV		98
31) METHYLENE CHLORIDE	2.759	84	47246	5.07	PPBV		98
32) 3-CHLOROPROPENE	2.798	76	24225	5.04	PPBV		96
33) FREON 113	2.856	151	113417	5.18	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.097	96	58382	5.25	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.730	59	103895	4.92	PPBV		96
36) METHYL TERTIARY BUTYL ...	3.213	73	148294	4.94	PPBV		100
37) TETRAHYDROFURAN	3.942	72	23399	4.76	PPBV		95
38) HEXANE	3.695	57	75333	5.26	PPBV		98
39) VINYL ACETATE	3.251	86	12814	4.86	PPBV		100
40) 1,1-DICHLOROETHANE	3.177	63	94062	5.07	PPBV		98
41) METHYL ETHYL KETONE	3.354	72	25610	5.13	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.560	96	63168	5.30	PPBV		96
43) DIISOPROPYL ETHER	3.701	59	22619	4.89	PPBV		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54658.D
Acq On : 27 Jul 2021 1:44 pm
Operator : danat
Sample : ic2424-5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:45:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:44:19 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.701	61	13754	4.99	PPBV		94
45) METHYL ACRYLATE	3.692	55	93840	5.17	PPBV	#	99
46) CHLOROFORM	3.721	83	142656	5.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.238	57	89676	5.15	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.322	97	149226	5.01	PPBV		98
49) CARBON TETRACHLORIDE	4.762	117	167384	4.95	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	102484	5.23	PPBV		99
51) BENZENE	4.647	78	171225	5.22	PPBV		99
53) CYCLOHEXANE	4.865	84	75605	5.14	PPBV		99
54) 2,3-DIMETHYLPENTANE	5.129	71	37246	5.05	PPBV		95
55) TRICHLOROETHENE	5.582	95	90366	5.31	PPBV		97
56) 1,2-DICHLOROPROPANE	5.344	63	56563	5.13	PPBV		97
57) DIBROMOMETHANE	5.299	174	93560	5.18	PPBV		99
58) ETHYL ACRYLATE	5.460	55	113251	4.92	PPBV		99
59) BROMODICHLOROMETHANE	5.524	83	161796	5.11	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	245288	5.26	PPBV		98
61) 1,4-DIOXANE	5.589	88	38734	4.95	PPBV		98
62) HEPTANE	6.007	43	78926	5.10	PPBV		99
63) METHYL METHACRYLATE	5.897	69	62317	4.96	PPBV		98
64) METHYL ISOBUTYL KETONE	6.653	58	46296	5.09	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.550	75	97610	5.04	PPBV		99
66) TOLUENE	7.791	91	225578	5.25	PPBV		99
67) 1,3-DICHLOROPROPANE	7.852	76	104262	5.11	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.245	75	87509	4.79	PPBV		100
69) 1,1,2-TRICHLOROETHANE	7.412	83	64483	5.37	PPBV		97
70) 2-HEXANONE	8.357	58	59696	5.02	PPBV		99
71) ETHYL METHACRYLATE	8.499	69	99392	4.92	PPBV		100
72) TETRACHLOROETHENE	9.553	164	101420	5.25	PPBV		98
73) DIBROMOCHLOROMETHANE	8.338	129	166980	5.16	PPBV		99
74) 1,2-DIBROMOETHANE	8.688	107	126032	5.18	PPBV		98
75) OCTANE	9.698	43	111628	5.27	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.788	131	112068	5.17	PPBV		99
78) CHLOROBENZENE	10.781	112	184362	5.21	PPBV		99
79) ETHYLBENZENE	11.669	91	305407	5.26	PPBV		99
80) M,P-XYLENE	12.109	91	477038	10.32	PPBV	#	99
81) O-XYLENE	13.042	91	238999	5.13	PPBV		97
82) STYRENE	12.830	104	176299	5.11	PPBV		100
83) NONANE	14.161	43	115187	5.25	PPBV		99
84) BROMOFORM	11.920	173	161784	5.02	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.051	83	148587	5.17	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.341	75	122911	5.23	PPBV	#	100
88) ISOPROPYLBENZENE	14.566	120	87576	5.06	PPBV		98
89) BROMOBENZENE	14.444	77	154394	5.11	PPBV		99
90) 2-CHLOROTOLUENE	15.582	126	77967	5.05	PPBV		99
91) N-PROPYLBENZENE	15.913	120	90048	5.18	PPBV		98
92) 4-ETHYLTOLUENE	16.231	105	331207	5.16	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	278898	5.11	PPBV		99
94) ALPHA-METHYLSTYRENE	16.559	118	136332	5.13	PPBV		99
95) TERT-BUTYLBENZENE	16.813	134	67436	5.21	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	283768	5.12	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54658.D
Acq On : 27 Jul 2021 1:44 pm
Operator : danat
Sample : ic2424-5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:45:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:44:19 2021
Response via : Initial Calibration

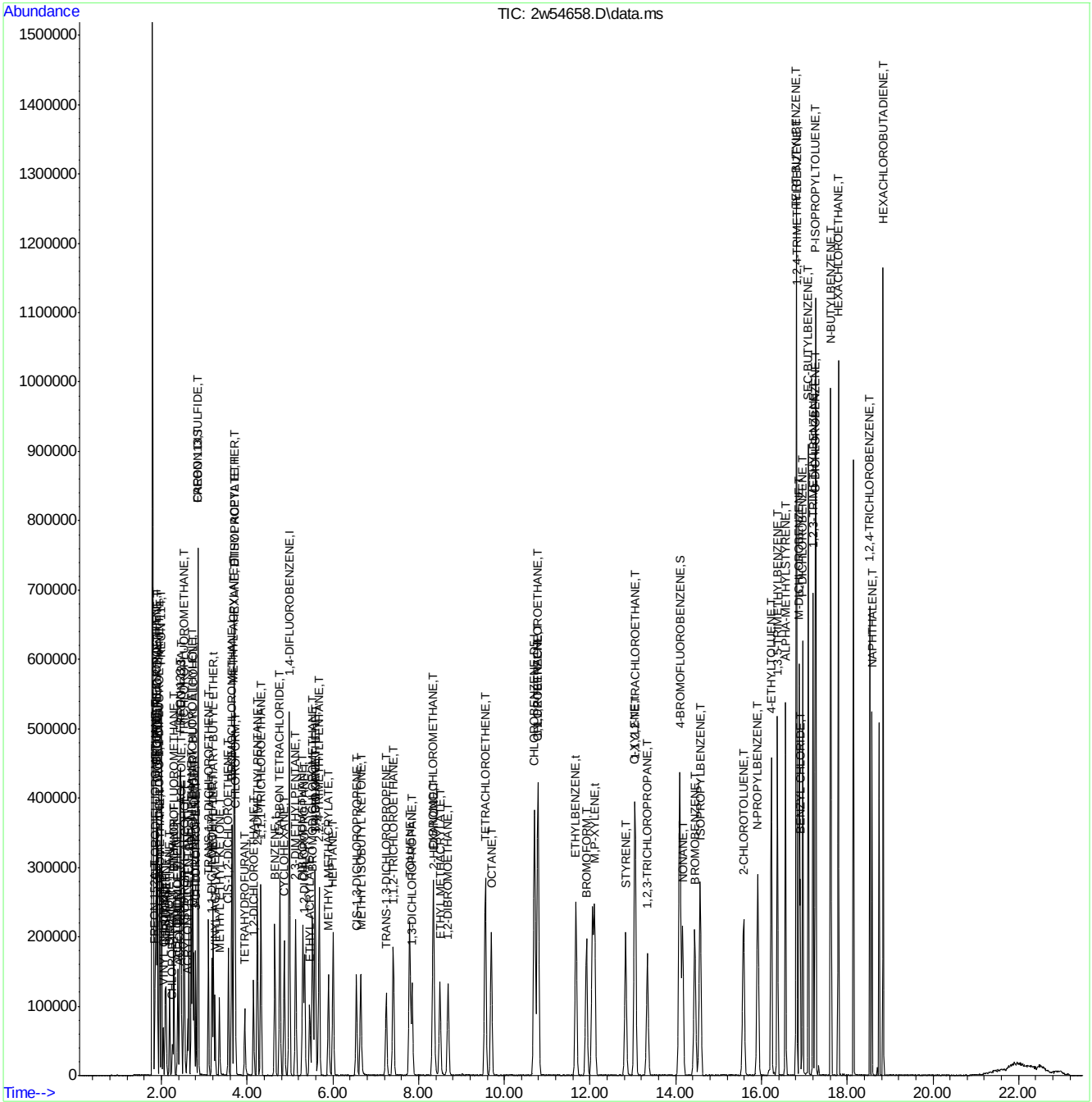
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	138768	4.35	PPBV	100
98)	M-DICHLOROBENZENE	16.881	146	190029	5.28	PPBV	98
99)	P-DICHLOROBENZENE	16.961	146	187151	5.20	PPBV	98
100)	O-DICHLOROBENZENE	17.254	146	170725	5.12	PPBV	99
101)	SEC-BUTYLBENZENE	17.090	134	81844	5.24	PPBV	94
102)	1,2,3-TRIMETHYLBENZENE	17.202	105	272688	5.11	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.267	134	86928	5.08	PPBV	98
104)	N-BUTYLBENZENE	17.614	134	80662	5.09	PPBV	95
105)	HEXACHLOROETHANE	17.794	117	107730	4.88	PPBV	99
106)	HEXACHLOROBUTADIENE	18.839	225	114650	5.06	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.530	180	112018	5.00	PPBV	99
108)	NAPHTHALENE	18.578	128	223818	4.99	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54658.D
Acq On : 27 Jul 2021 1:44 pm
Operator : danat
Sample : ic2424-5
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:45:06 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:44:19 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54659.D
Acq On : 27 Jul 2021 2:15 pm
Operator : danat
Sample : icc2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:40:31 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 09:51:11 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	86482	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	428121	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	373337	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.093	95	259876	9.82	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	62041	9.23	PPBV		98
4) CHLORODIFLUOROMETHANE	1.872	67	42224	9.78	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.885	116	178007	9.69	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.907	85	390566	9.60	PPBV		100
7) PROPYLENE	1.885	41	65568	9.24	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.959	65	331582	9.57	PPBV		99
9) FREON 114	2.004	85	340575	9.56	PPBV		99
10) CHLOROMETHANE	1.965	52	25325	9.42	PPBV		95
11) VINYL CHLORIDE	2.045	62	99100	9.37	PPBV		99
12) 1,3-BUTADIENE	2.097	54	72032	9.83	PPBV		98
13) N-BUTANE	2.116	43	128338	9.53	PPBV		99
14) BROMOMETHANE	2.196	94	110454	9.28	PPBV		97
15) CHLOROETHANE	2.261	64	55472	9.47	PPBV		98
16) DICHLOROFLUOROMETHANE	2.293	67	271458	9.54	PPBV		100
17) ACETONITRILE	2.377	41	66698	8.69	PPBV		99
18) ACROLEIN	2.425	56	42241	14.12	PPBV		94
19) FREON 123	2.441	83	265400	9.76	PPBV		99
20) FREON 123A	2.460	117	178416	9.59	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.528	101	410481	9.52	PPBV		100
22) ISOPROPYL ALCOHOL	2.541	45	172228	8.98	PPBV		98
23) ACETONE	2.463	58	43849	7.86	PPBV		92
24) PENTANE	2.637	42	80839	9.58	PPBV		99
25) IODOMETHANE	2.695	142	330684	9.56	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.724	96	110821	9.76	PPBV		97
27) CARBON DISULFIDE	2.856	76	272995	9.76	PPBV		99
28) ETHANOL	2.299	45	33997	8.52	PPBV		99
29) BROMOETHENE	2.389	106	114270	9.54	PPBV		100
30) ACRYLONITRILE	2.608	52	61741	9.84	PPBV		99
31) METHYLENE CHLORIDE	2.759	84	96299	8.73	PPBV		96
32) 3-CHLOROPROPENE	2.801	76	49707	9.24	PPBV		95
33) FREON 113	2.856	151	226350	9.63	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	3.097	96	114939	9.66	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.730	59	218222	9.86	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.209	73	310025	9.86	PPBV		100
37) TETRAHYDROFURAN	3.939	72	50855	10.22	PPBV		99
38) HEXANE	3.698	57	147943	9.79	PPBV		99
39) VINYL ACETATE	3.251	86	27241	9.51	PPBV		97
40) 1,1-DICHLOROETHANE	3.177	63	191649	9.83	PPBV		99
41) METHYL ETHYL KETONE	3.351	72	51631	10.26	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.560	96	123126	9.56	PPBV		99
43) DIISOPROPYL ETHER	3.701	59	47774	10.11	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54659.D
Acq On : 27 Jul 2021 2:15 pm
Operator : danat
Sample : icc2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:40:31 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 09:51:11 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.701	61	28486	10.21	PPBV		96
45) METHYL ACRYLATE	3.688	55	187617	10.00	PPBV	#	100
46) CHLOROFORM	3.717	83	286249	9.63	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.238	57	180042	9.83	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.322	97	308125	9.65	PPBV		99
49) CARBON TETRACHLORIDE	4.766	117	349453	9.94	PPBV		100
50) 1,2-DICHLOROETHANE	4.148	62	202678	9.74	PPBV		99
51) BENZENE	4.647	78	338792	9.53	PPBV		99
53) CYCLOHEXANE	4.865	84	151620	9.62	PPBV		99
54) 2,3-DIMETHYLPENTANE	5.129	71	76085	9.90	PPBV		100
55) TRICHLOROETHENE	5.585	95	175436	9.50	PPBV		98
56) 1,2-DICHLOROPROPANE	5.338	63	113610	9.89	PPBV		99
57) DIBROMOMETHANE	5.296	174	186169	8.34	PPBV		99
58) ETHYL ACRYLATE	5.457	55	237153	10.77	PPBV		100
59) BROMODICHLOROMETHANE	5.528	83	326320	10.05	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	481298	9.58	PPBV		99
61) 1,4-DIOXANE	5.592	88	80727	10.13	PPBV		99
62) HEPTANE	6.007	43	159655	9.93	PPBV		99
63) METHYL METHACRYLATE	5.897	69	129446	10.48	PPBV		98
64) METHYL ISOBUTYL KETONE	6.650	58	93878	9.80	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	6.550	75	199709	10.33	PPBV		100
66) TOLUENE	7.794	91	442790	9.63	PPBV		100
67) 1,3-DICHLOROPROPANE	7.846	76	210326	9.69	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.248	75	188271	10.99	PPBV		99
69) 1,1,2-TRICHLOROETHANE	7.405	83	123870	9.47	PPBV		98
70) 2-HEXANONE	8.354	58	122543	10.52	PPBV		100
71) ETHYL METHACRYLATE	8.498	69	208265	10.54	PPBV		100
72) TETRACHLOROETHENE	9.563	164	199306	9.22	PPBV		99
73) DIBROMOCHLOROMETHANE	8.338	129	333500	10.74	PPBV		100
74) 1,2-DIBROMOETHANE	8.688	107	250749	10.21	PPBV		98
75) OCTANE	9.698	43	218328	9.65	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.791	131	223785	9.82	PPBV		99
78) CHLOROBENZENE	10.781	112	365020	9.83	PPBV		98
79) ETHYLBENZENE	11.675	91	598691	9.76	PPBV		99
80) M,P-XYLENE	12.103	91	953219	19.81	PPBV	#	52
81) O-XYLENE	13.045	91	480436	9.73	PPBV		100
82) STYRENE	12.833	104	355852	10.28	PPBV		99
83) NONANE	14.167	43	226264	9.47	PPBV		99
84) BROMOFORM	11.920	173	332204	12.87	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	13.051	83	296334	9.50	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.338	75	242351	9.47	PPBV		100
88) ISOPROPYLBENZENE	14.575	120	178640	9.62	PPBV		95
89) BROMOBENZENE	14.447	77	311808	9.91	PPBV		99
90) 2-CHLOROTOLUENE	15.582	126	159246	9.66	PPBV		99
91) N-PROPYLBENZENE	15.916	120	179413	9.87	PPBV		100
92) 4-ETHYLTOLUENE	16.231	105	662510	9.85	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	562529	9.73	PPBV		99
94) ALPHA-METHYLSTYRENE	16.562	118	274230	10.08	PPBV		100
95) TERT-BUTYLBENZENE	16.813	134	133518	9.29	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	572206	9.78	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54659.D
Acq On : 27 Jul 2021 2:15 pm
Operator : danat
Sample : icc2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:40:31 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 09:51:11 2021
Response via : Initial Calibration

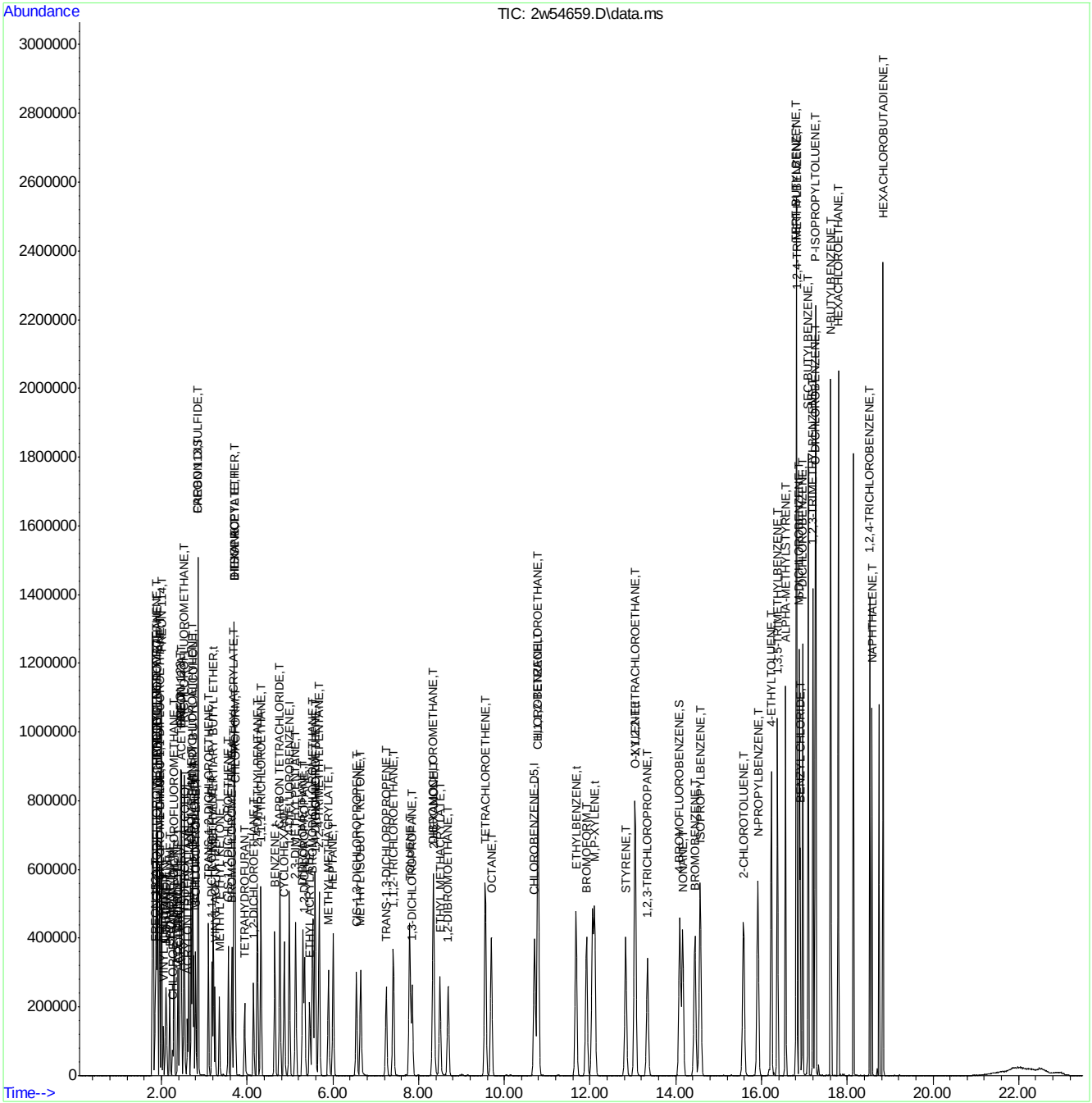
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	328963	12.15	PPBV	99
98)	M-DICHLOROBENZENE	16.881	146	371076	9.99	PPBV	100
99)	P-DICHLOROBENZENE	16.961	146	371088	10.26	PPBV	99
100)	O-DICHLOROBENZENE	17.254	146	343739	9.75	PPBV	99
101)	SEC-BUTYLBENZENE	17.090	134	161190	9.20	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	17.199	105	550507	9.43	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.267	134	176528	9.31	PPBV	97
104)	N-BUTYLBENZENE	17.611	134	163342	9.52	PPBV	98
105)	HEXACHLOROETHANE	17.794	117	227610	10.44	PPBV	100
106)	HEXACHLOROBUTADIENE	18.839	225	233783	7.57	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.527	180	231305	9.53	PPBV	100
108)	NAPHTHALENE	18.578	128	462971	10.66	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54659.D
Acq On : 27 Jul 2021 2:15 pm
Operator : danat
Sample : icc2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 14:40:31 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 09:51:11 2021
Response via : Initial Calibration



2W54660.D

Manual Integrations APPROVED (compounds with "m" flag)

Dana Tryon 07/28/21 11:23

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:47 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.643	128	85811	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	424308	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	362745	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.100	95	261107	10.28	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.849	65	126968	18.81	PPBV		99
4) CHLORODIFLUOROMETHANE	1.869	67	84746	19.72	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.881	116	359579	18.86	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.904	85	789686m	20.11	PPBV		
7) PROPYLENE	1.878	41	132205	17.38	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.952	65	673144	20.00	PPBV		100
9) FREON 114	2.000	85	697223	20.26	PPBV		99
10) CHLOROMETHANE	1.962	52	49944	18.55	PPBV		87
11) VINYL CHLORIDE	2.042	62	207436	19.17	PPBV		98
12) 1,3-BUTADIENE	2.090	54	145130	20.43	PPBV		98
13) N-BUTANE	2.113	43	259444	18.39	PPBV		99
14) BROMOMETHANE	2.190	94	228648	18.67	PPBV		98
15) CHLOROETHANE	2.254	64	112022	19.26	PPBV	#	71
16) DICHLOROFLUOROMETHANE	2.287	67	555121	19.51	PPBV		99
17) ACETONITRILE	2.373	41	141090	17.61	PPBV		98
18) ACROLEIN	2.422	56	88421	17.79	PPBV		98
19) FREON 123	2.438	83	549940	19.36	PPBV		98
20) FREON 123A	2.457	117	365545	20.32	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.525	101	842710	20.13	PPBV		99
22) ISOPROPYL ALCOHOL	2.537	45	338572	18.87	PPBV		100
23) ACETONE	2.463	58	88324	18.26	PPBV		99
24) PENTANE	2.637	42	163442	20.40	PPBV		98
25) IODOMETHANE	2.695	142	676139	19.95	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.724	96	223682	18.86	PPBV		98
27) CARBON DISULFIDE	2.856	76	558899	19.74	PPBV		100
28) ETHANOL	2.293	45	69951	17.24	PPBV		99
29) BROMOETHENE	2.386	106	236315	18.92	PPBV		99
30) ACRYLONITRILE	2.608	52	125084	18.97	PPBV		99
31) METHYLENE CHLORIDE	2.759	84	195404	19.35	PPBV		91
32) 3-CHLOROPROPENE	2.801	76	101320	20.76	PPBV		97
33) FREON 113	2.856	151	465469	19.92	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	3.097	96	234380	19.08	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.730	59	408793	19.29	PPBV		100
36) METHYL TERTIARY BUTYL ...	3.209	73	643674	21.41	PPBV		97
37) TETRAHYDROFURAN	3.936	72	103002	21.69	PPBV		100
38) HEXANE	3.698	57	300840	19.45	PPBV		99
39) VINYL ACETATE	3.251	86	61949	22.33	PPBV		88
40) 1,1-DICHLOROETHANE	3.177	63	387453	19.99	PPBV		99
41) METHYL ETHYL KETONE	3.351	72	106157	19.31	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.563	96	253759	20.59	PPBV		98
43) DIISOPROPYL ETHER	3.698	59	97003	20.52	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:47 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.705	61	57403	21.90	PPBV		94
45) METHYL ACRYLATE	3.692	55	389305	20.69	PPBV	#	100
46) CHLOROFORM	3.721	83	576387	19.66	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.238	57	360447	20.18	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.322	97	648505	20.32	PPBV		99
49) CARBON TETRACHLORIDE	4.766	117	724968	20.91	PPBV		100
50) 1,2-DICHLOROETHANE	4.151	62	409195	20.42	PPBV		99
51) BENZENE	4.647	78	684861	19.13	PPBV		99
53) CYCLOHEXANE	4.868	84	314429	20.14	PPBV		96
54) 2,3-DIMETHYLPENTANE	5.132	71	150344	19.41	PPBV		97
55) TRICHLOROETHENE	5.585	95	360734	20.72	PPBV		99
56) 1,2-DICHLOROPROPANE	5.344	63	223644	18.40	PPBV		97
57) DIBROMOMETHANE	5.299	174	376519	18.81	PPBV		99
58) ETHYL ACRYLATE	5.460	55	496130	22.52	PPBV		100
59) BROMODICHLOROMETHANE	5.531	83	664814	20.15	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.685	57	981771	19.88	PPBV		99
61) 1,4-DIOXANE	5.589	88	159947	19.53	PPBV		99
62) HEPTANE	6.007	43	316126	19.59	PPBV		99
63) METHYL METHACRYLATE	5.894	69	262582	22.34	PPBV		99
64) METHYL ISOBUTYL KETONE	6.650	58	193357	20.06	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.553	75	419058	21.32	PPBV		99
66) TOLUENE	7.794	91	901917	19.78	PPBV		100
67) 1,3-DICHLOROPROPANE	7.852	76	424020	19.05	PPBV	#	100
68) TRANS-1,3-DICHLOROPROPENE	7.251	75	406012	23.41	PPBV		99
69) 1,1,2-TRICHLOROETHANE	7.415	83	253586	19.85	PPBV		98
70) 2-HEXANONE	8.360	58	250037	20.71	PPBV		99
71) ETHYL METHACRYLATE	8.499	69	434575	23.46	PPBV		98
72) TETRACHLOROETHENE	9.556	164	407532	20.73	PPBV		99
73) DIBROMOCHLOROMETHANE	8.341	129	694775	21.42	PPBV		100
74) 1,2-DIBROMOETHANE	8.691	107	513052	21.18	PPBV		100
75) OCTANE	9.701	43	438325	18.98	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.794	131	467681	21.31	PPBV		99
78) CHLOROBENZENE	10.785	112	744873	19.62	PPBV		99
79) ETHYLBENZENE	11.675	91	1226728	20.63	PPBV		100
80) M,P-XYLENE	12.109	91	1939588	42.62	PPBV	#	100
81) O-XYLENE	13.051	91	979077	20.63	PPBV		98
82) STYRENE	12.833	104	722236	21.98	PPBV		99
83) NONANE	14.167	43	461067	19.37	PPBV		99
84) BROMOFORM	11.920	173	691788	23.73	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	13.058	83	604197	21.09	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.344	75	491612	18.86	PPBV		100
88) ISOPROPYLBENZENE	14.582	120	359445	20.63	PPBV		98
89) BROMOBENZENE	14.450	77	631689	20.77	PPBV		100
90) 2-CHLOROTOLUENE	15.588	126	322978	20.73	PPBV		100
91) N-PROPYLBENZENE	15.919	120	367001	22.03	PPBV		99
92) 4-ETHYLTOLUENE	16.235	105	1378705	22.20	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.376	105	1161549	21.13	PPBV		99
94) ALPHA-METHYLSTYRENE	16.566	118	563779	21.99	PPBV		99
95) TERT-BUTYLBENZENE	16.817	134	275712	21.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.826	105	1180755	22.54	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:47 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration

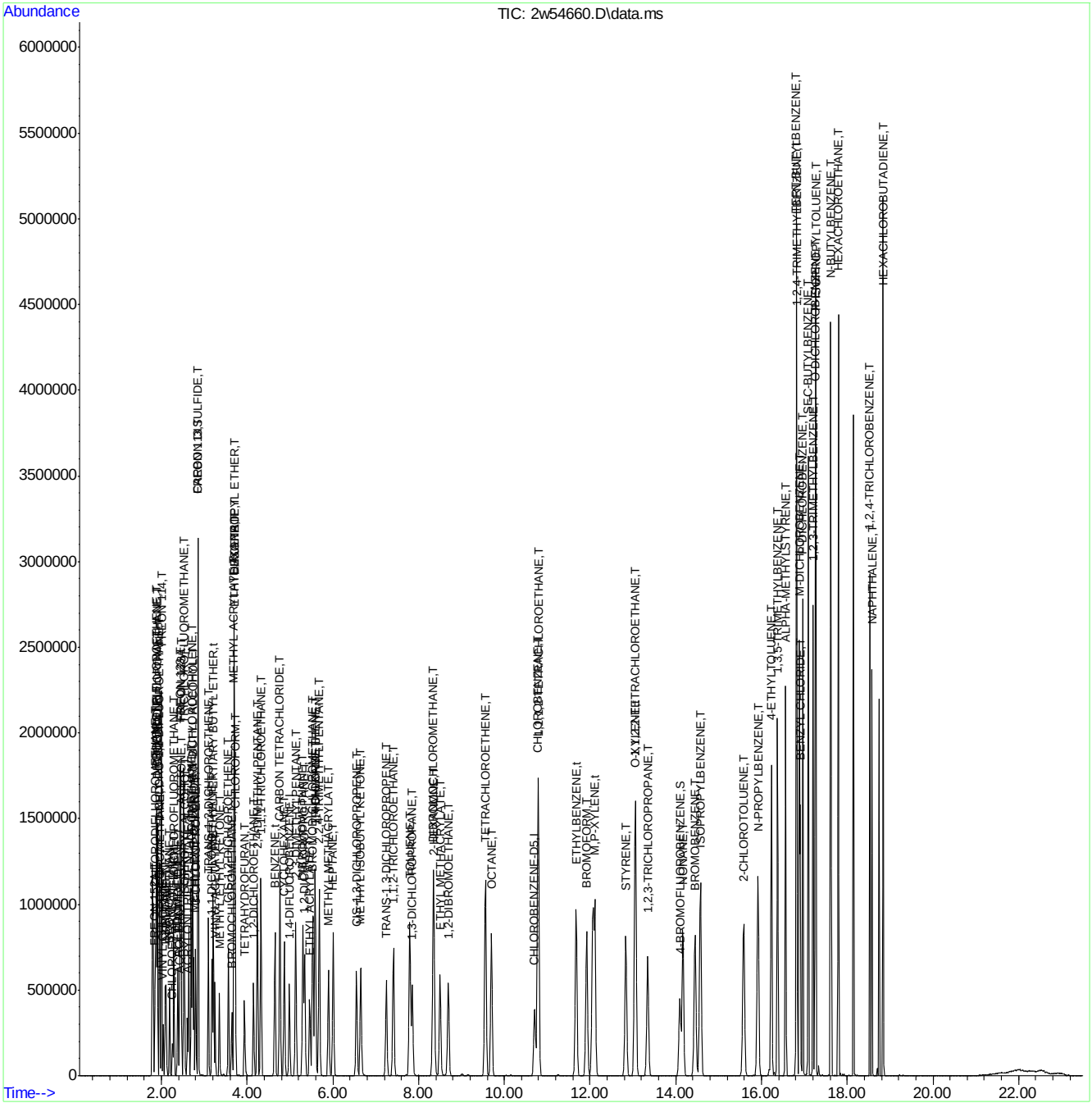
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.907	91	788569	32.82	PPBV	99
98)	M-DICHLOROBENZENE	16.884	146	770879	20.87	PPBV	99
99)	P-DICHLOROBENZENE	16.964	146	775451	21.15	PPBV	99
100)	O-DICHLOROBENZENE	17.257	146	720025	21.99	PPBV	99
101)	SEC-BUTYLBENZENE	17.093	134	341852	21.80	PPBV	93
102)	1,2,3-TRIMETHYLBENZENE	17.202	105	1146301	21.79	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.270	134	374572	22.12	PPBV	97
104)	N-BUTYLBENZENE	17.614	134	335267	21.25	PPBV	96
105)	HEXACHLOROETHANE	17.794	117	494569	23.05	PPBV	99
106)	HEXACHLOROBUTADIENE	18.839	225	494709	19.56	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.530	180	493741	19.39	PPBV	99
108)	NAPHTHALENE	18.579	128	986364	19.00	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:47 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2W2424-IC2424
Lab FileID: 2W54660.D
Injection Time: 07/27/21 14:47

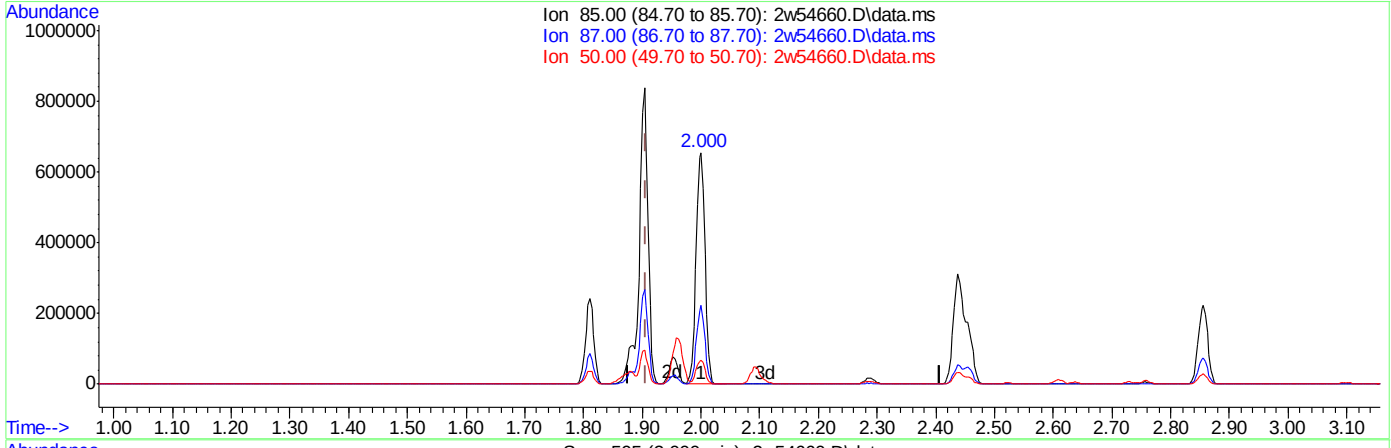
Method: TO-15
Analyst approved: 07/28/21 11:16 Dana Tryon
Supervisor approved: 07/28/21 11:23 Dana Tryon

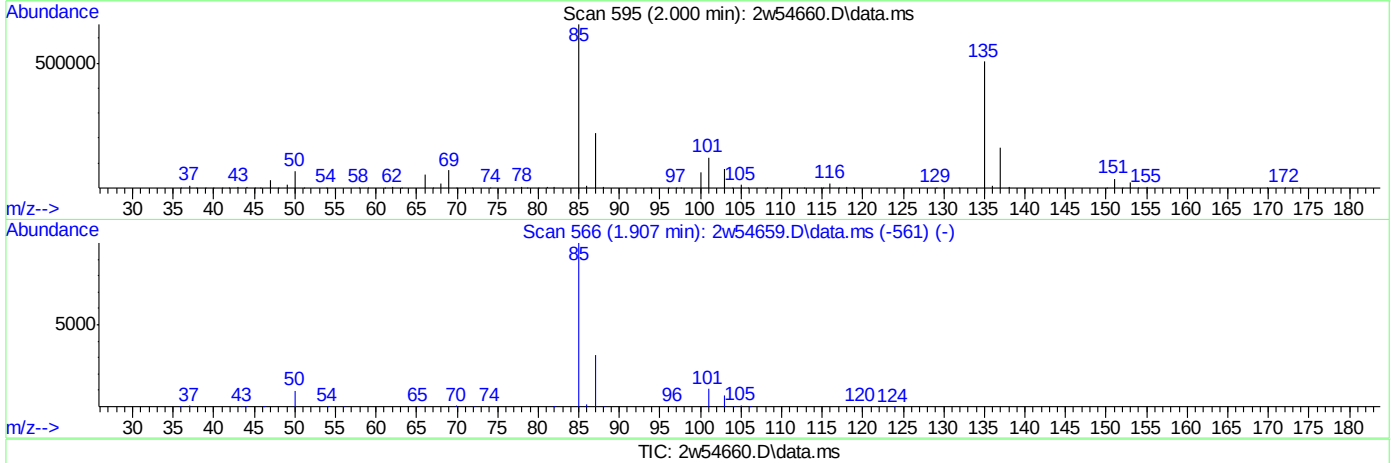
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dichlorodifluoromethane	75-71-8		1.90	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:15 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration





TIC: 2w54660.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

2.000min (+0.093) 17.79PPBV

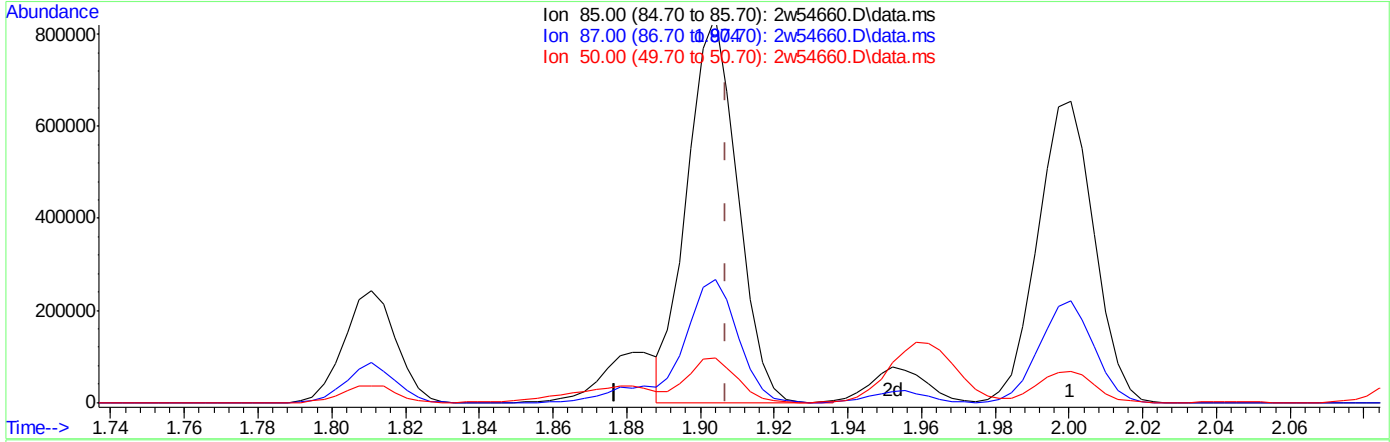
response 698526

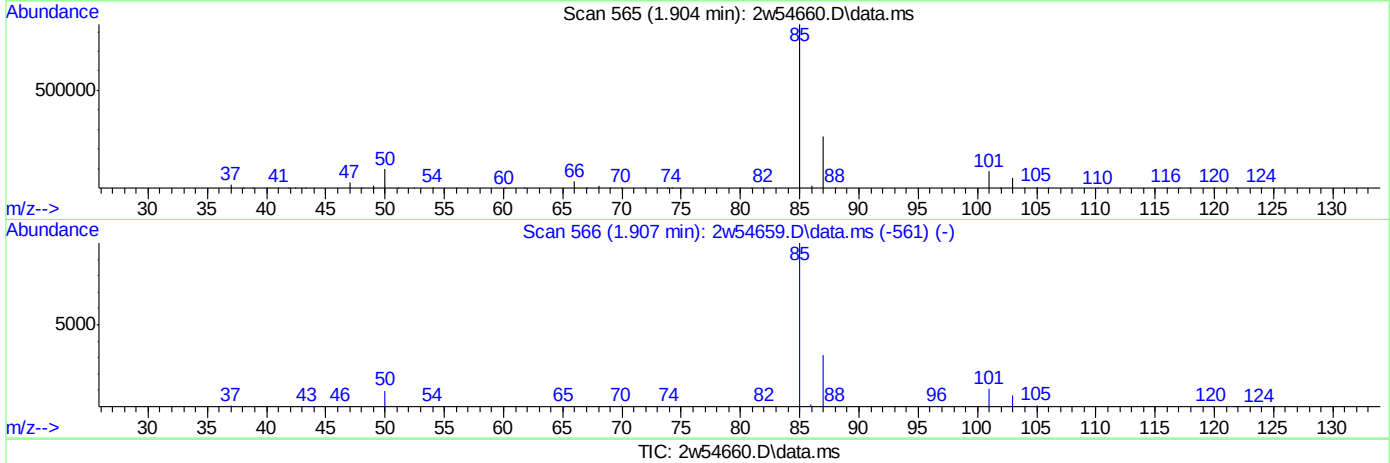
Ion	Exp%	Act%
85.00	100	100
87.00	32.00	32.53
50.00	11.50	10.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54660.D
Acq On : 27 Jul 2021 2:47 pm
Operator : danat
Sample : ic2424-20
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:52:15 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 14:57:59 2021
Response via : Initial Calibration





TIC: 2w54660.D\data.ms

(6) DICHLORODIFLUOROMETHANE (T)

1.904min (-0.003) 20.11PPBV m

response 789686

Ion	Exp%	Act%
85.00	100	100
87.00	32.00	28.77
50.00	11.50	9.02#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54661.D
Acq On : 27 Jul 2021 3:21 pm
Operator : danat
Sample : ic2424-40
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:59:11 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:54:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.644	128	90289	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	442304	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	377930	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.100	95	268674	10.11	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.859	65	261093	37.13	PPBV		99
4) CHLORODIFLUOROMETHANE	1.875	67	172788	38.30	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.891	116	749782	37.74	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.910	85	1696605	41.02	PPBV		99
7) PROPYLENE	1.888	41	280161	35.78	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.962	65	1410755	39.83	PPBV		99
9) FREON 114	2.007	85	1458108	40.18	PPBV		100
10) CHLOROMETHANE	1.968	52	105499	37.79	PPBV		98
11) VINYL CHLORIDE	2.049	62	420654	37.20	PPBV		99
12) 1,3-BUTADIENE	2.100	54	298684	39.81	PPBV		98
13) N-BUTANE	2.119	43	538286	36.75	PPBV	#	98
14) BROMOMETHANE	2.200	94	473448	37.15	PPBV		99
15) CHLOROETHANE	2.264	64	233863	38.45	PPBV		98
16) DICHLOROFLUOROMETHANE	2.296	67	1155336	38.74	PPBV		99
17) ACETONITRILE	2.380	41	294285	35.76	PPBV		98
18) ACROLEIN	2.425	56	179611	35.13	PPBV		99
19) FREON 123	2.444	83	1121033	37.70	PPBV		100
20) FREON 123A	2.460	117	749609	39.50	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.528	101	1762031	39.96	PPBV		100
22) ISOPROPYL ALCOHOL	2.544	45	689815	37.06	PPBV		99
23) ACETONE	2.467	58	187008	37.57	PPBV		100
24) PENTANE	2.640	42	335979	39.73	PPBV		100
25) IODOMETHANE	2.698	142	1423637	39.94	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.724	96	467771	37.85	PPBV		97
27) CARBON DISULFIDE	2.859	76	1187329	39.94	PPBV		99
28) ETHANOL	2.300	45	142114	34.48	PPBV		99
29) BROMOETHENE	2.390	106	488647	37.52	PPBV		100
30) ACRYLONITRILE	2.611	52	265179	38.55	PPBV		100
31) METHYLENE CHLORIDE	2.763	84	402139	38.15	PPBV		99
32) 3-CHLOROPROPENE	2.801	76	212209	41.06	PPBV		98
33) FREON 113	2.859	151	992696	40.40	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.100	96	490502	38.24	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.734	59	826947	37.30	PPBV		98
36) METHYL TERTIARY BUTYL ...	3.213	73	1395140	43.60	PPBV		100
37) TETRAHYDROFURAN	3.936	72	214385	42.20	PPBV		99
38) HEXANE	3.698	57	632432	39.03	PPBV		99
39) VINYL ACETATE	3.254	86	128372	42.98	PPBV		96
40) 1,1-DICHLOROETHANE	3.180	63	800746	39.27	PPBV		99
41) METHYL ETHYL KETONE	3.354	72	220886	38.40	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.563	96	522562	40.09	PPBV		99
43) DIISOPROPYL ETHER	3.705	59	201319	40.29	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54661.D
Acq On : 27 Jul 2021 3:21 pm
Operator : danat
Sample : ic2424-40
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:59:11 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:54:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.705	61	121519	43.24	PPBV		94
45) METHYL ACRYLATE	3.692	55	826687	41.52	PPBV	#	100
46) CHLOROFORM	3.724	83	1210587	39.36	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.242	57	754528	40.08	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.325	97	1373993	40.82	PPBV		98
49) CARBON TETRACHLORIDE	4.769	117	1531531	41.66	PPBV		99
50) 1,2-DICHLOROETHANE	4.152	62	850782	40.20	PPBV		99
51) BENZENE	4.650	78	1432774	38.32	PPBV		100
53) CYCLOHEXANE	4.869	84	643655	39.50	PPBV		98
54) 2,3-DIMETHYLPENTANE	5.135	71	310462	38.65	PPBV		96
55) TRICHLOROETHENE	5.589	95	763027	41.79	PPBV		97
56) 1,2-DICHLOROPROPANE	5.344	63	473157	37.85	PPBV		98
57) DIBROMOMETHANE	5.303	174	787452	38.12	PPBV		99
58) ETHYL ACRYLATE	5.463	55	1045842	44.60	PPBV		99
59) BROMODICHLOROMETHANE	5.534	83	1383810	40.19	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.685	57	2035848	39.59	PPBV		99
61) 1,4-DIOXANE	5.592	88	334640	39.35	PPBV		98
62) HEPTANE	6.013	43	657736	39.23	PPBV		99
63) METHYL METHACRYLATE	5.901	69	553205	44.29	PPBV		99
64) METHYL ISOBUTYL KETONE	6.656	58	408005	40.58	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.553	75	886443	42.79	PPBV		99
66) TOLUENE	7.801	91	1864696	39.30	PPBV		100
67) 1,3-DICHLOROPROPANE	7.856	76	886577	38.52	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.251	75	875193	47.07	PPBV		99
69) 1,1,2-TRICHLOROETHANE	7.415	83	521824	39.23	PPBV		99
70) 2-HEXANONE	8.370	58	545037	43.06	PPBV		98
71) ETHYL METHACRYLATE	8.508	69	916811	46.14	PPBV		99
72) TETRACHLOROETHENE	9.566	164	838515	40.68	PPBV		99
73) DIBROMOCHLOROMETHANE	8.344	129	1455430	42.55	PPBV		100
74) 1,2-DIBROMOETHANE	8.701	107	1076550	42.23	PPBV		100
75) OCTANE	9.704	43	917694	38.45	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.804	131	986826	42.69	PPBV		99
78) CHLOROBENZENE	10.788	112	1542979	39.13	PPBV		99
79) ETHYLBENZENE	11.679	91	2554102	41.01	PPBV		99
80) M,P-XYLENE	12.119	91	4061398	84.73	PPBV	#	99
81) O-XYLENE	13.061	91	2048969	41.23	PPBV		98
82) STYRENE	12.839	104	1508707	43.36	PPBV		99
83) NONANE	14.177	43	964555	39.10	PPBV		99
84) BROMOFORM	11.933	173	1486347	47.46	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	13.071	83	1261587	41.88	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.354	75	1036798	38.54	PPBV		100
88) ISOPROPYLBENZENE	14.582	120	749852	41.09	PPBV		98
89) BROMOBENZENE	14.460	77	1312275	41.15	PPBV		100
90) 2-CHLOROTOLUENE	15.592	126	670614	41.06	PPBV		99
91) N-PROPYLBENZENE	15.926	120	763469	43.26	PPBV		99
92) 4-ETHYLTOLUENE	16.238	105	2902842	44.06	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.379	105	2446332	42.32	PPBV		99
94) ALPHA-METHYLSTYRENE	16.569	118	1200362	44.21	PPBV		100
95) TERT-BUTYLBENZENE	16.823	134	575949	41.92	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.829	105	2506108	44.96	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54661.D
Acq On : 27 Jul 2021 3:21 pm
Operator : danat
Sample : ic2424-40
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:59:11 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:54:03 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.891	146	1627560	41.98	PPBV	100
99)	P-DICHLOROBENZENE	16.968	146	1634496	42.39	PPBV	100
100)	O-DICHLOROBENZENE	17.260	146	1533575	44.22	PPBV	99
101)	SEC-BUTYLBENZENE	17.096	134	712761	42.98	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.209	105	2451728	44.08	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.273	134	785064	43.73	PPBV	96
104)	N-BUTYLBENZENE	17.617	134	718534	43.26	PPBV	96
105)	HEXACHLOROETHANE	17.797	117	1111845	48.50	PPBV	99
106)	HEXACHLOROBUTADIENE	18.845	225	1118251	42.59	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.537	180	1092777	41.40	PPBV	99
108)	NAPHTHALENE	18.585	128	2234468	41.66	PPBV	100

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

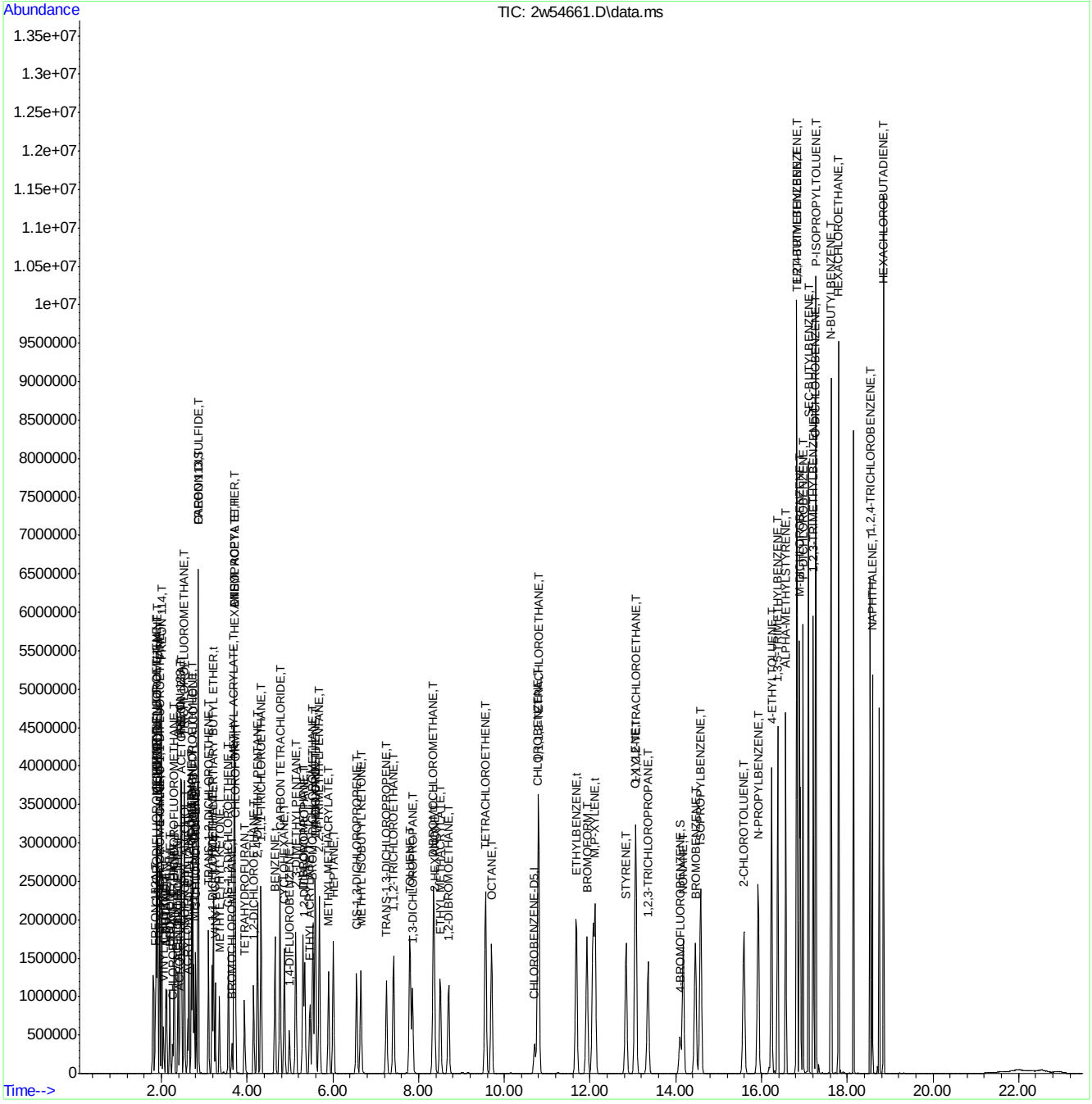
7.7.18

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54661.D
Acq On : 27 Jul 2021 3:21 pm
Operator : danat
Sample : ic2424-40
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 27 16:59:11 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:54:03 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54663.D
Acq On : 27 Jul 2021 4:24 pm
Operator : danat
Sample : icv2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 11:12:39 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	89240	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	439003	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.704	117	380174	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.093	95	268041	10.03	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	65000	9.47	PPBV		97
4) CHLORODIFLUOROMETHANE	1.872	67	42476	9.76	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.888	116	192701	9.91	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.910	85	396424	9.62	PPBV		99
7) PROPYLENE	1.885	41	68953	8.96	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.962	65	351217	10.00	PPBV		100
9) FREON 114	2.007	85	346537	9.67	PPBV		100
10) CHLOROMETHANE	1.968	52	25303	9.04	PPBV		95
11) VINYL CHLORIDE	2.049	62	104591	9.38	PPBV		99
12) 1,3-BUTADIENE	2.100	54	74037	9.95	PPBV		98
13) N-BUTANE	2.119	43	131457	9.23	PPBV		99
14) BROMOMETHANE	2.200	94	113356	9.23	PPBV		98
15) CHLOROETHANE	2.264	64	56456	9.45	PPBV		96
16) DICHLOROFLUOROMETHANE	2.293	67	267982	9.17	PPBV		98
17) ACETONITRILE	2.380	41	68422	8.58	PPBV		98
18) ACROLEIN	2.422	56	29354	5.89	PPBV		99
19) FREON 123	2.444	83	283544	9.68	PPBV		97
20) FREON 123A	2.460	117	202194	10.82	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.528	101	409548	9.40	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	186676	9.65	PPBV		99
23) ACETONE	2.467	58	46964	8.97	PPBV		98
24) PENTANE	2.640	42	83085	9.89	PPBV		100
25) IODOMETHANE	2.698	142	341556	9.76	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.724	96	113965	9.40	PPBV		98
27) CARBON DISULFIDE	2.859	76	304197	10.38	PPBV		99
28) ETHANOL	2.300	45	33260	7.94	PPBV		94
29) BROMOETHENE	2.390	106	120639	9.52	PPBV		100
30) ACRYLONITRILE	2.608	52	64935	9.51	PPBV		99
31) METHYLENE CHLORIDE	2.759	84	98268	8.87	PPBV		100
32) 3-CHLOROPROPENE	2.801	76	50000	9.67	PPBV		97
33) FREON 113	2.859	151	234930	9.66	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	3.097	96	124041	9.98	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.734	59	204550	9.41	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.213	73	323380	10.13	PPBV		100
37) TETRAHYDROFURAN	3.943	72	47904	9.53	PPBV		99
38) HEXANE	3.701	57	153098	9.52	PPBV		99
39) VINYL ACETATE	3.254	86	29373	9.87	PPBV		93
40) 1,1-DICHLOROETHANE	3.177	63	194230	9.66	PPBV		99
41) METHYL ETHYL KETONE	3.354	72	51706	9.35	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.563	96	124916	9.61	PPBV		100
43) DIISOPROPYL ETHER	3.698	59	48912	10.26	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54663.D
Acq On : 27 Jul 2021 4:24 pm
Operator : danat
Sample : icv2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 11:12:39 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.705	61	30937	10.76	PPBV		99
45) METHYL ACRYLATE	3.692	55	197840	9.93	PPBV	#	100
46) CHLOROFORM	3.721	83	290990	9.52	PPBV		100
47) 2,4-DIMETHYLPENTANE	4.242	57	181005	9.60	PPBV		100
48) 1,1,1-TRICHLOROETHANE	4.322	97	323496	9.79	PPBV		99
49) CARBON TETRACHLORIDE	4.766	117	350596	9.57	PPBV		98
50) 1,2-DICHLOROETHANE	4.152	62	201470	9.58	PPBV		99
51) BENZENE	4.647	78	348918	9.56	PPBV		99
53) CYCLOHEXANE	4.869	84	158332	9.76	PPBV		97
54) 2,3-DIMETHYLPENTANE	5.132	71	75423	9.80	PPBV		94
55) TRICHLOROETHENE	5.586	95	181414	9.82	PPBV		99
56) 1,2-DICHLOROPROPANE	5.341	63	115247	9.33	PPBV		98
57) DIBROMOMETHANE	5.299	174	194970	9.54	PPBV		100
58) ETHYL ACRYLATE	5.460	55	249309	10.60	PPBV		99
59) BROMODICHLOROMETHANE	5.528	83	326392	9.58	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	489342	9.52	PPBV		99
61) 1,4-DIOXANE	5.586	88	77618	8.83	PPBV		100
62) HEPTANE	6.010	43	162493	9.76	PPBV		99
63) METHYL METHACRYLATE	5.897	69	129021	10.18	PPBV		99
64) METHYL ISOBUTYL KETONE	6.653	58	94959	9.54	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.553	75	218668	10.61	PPBV		99
66) TOLUENE	7.794	91	454024	9.71	PPBV		99
67) 1,3-DICHLOROPROPANE	7.849	76	213772	9.41	PPBV	#	99
68) TRANS-1,3-DICHLOROPROPENE	7.248	75	194513	10.38	PPBV		98
69) 1,1,2-TRICHLOROETHANE	7.409	83	127277	9.65	PPBV		98
70) 2-HEXANONE	8.357	58	124893	9.61	PPBV		96
71) ETHYL METHACRYLATE	8.495	69	218470	11.05	PPBV		100
72) TETRACHLOROETHENE	9.553	164	214218	10.34	PPBV		98
73) DIBROMOCHLOROMETHANE	8.341	129	334708	9.78	PPBV		100
74) 1,2-DIBROMOETHANE	8.688	107	254627	9.97	PPBV		99
75) OCTANE	9.698	43	221053	9.42	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.788	131	227970	9.69	PPBV		96
78) CHLOROBENZENE	10.785	112	366593	9.33	PPBV		98
79) ETHYLBENZENE	11.672	91	618009	9.85	PPBV		99
80) M,P-XYLENE	12.103	91	965761	19.91	PPBV	#	99
81) O-XYLENE	13.048	91	482906	9.61	PPBV		99
82) STYRENE	12.830	104	356621	10.16	PPBV		99
83) NONANE	14.164	43	233703	9.44	PPBV		98
84) BROMOFORM	11.920	173	307211	9.59	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	13.055	83	293343	9.59	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.344	75	240776	8.99	PPBV	#	99
88) ISOPROPYLBENZENE	14.569	120	180232	9.78	PPBV		100
89) BROMOBENZENE	14.447	77	307235	9.41	PPBV		99
90) 2-CHLOROTOLUENE	15.579	126	162630	9.94	PPBV		99
91) N-PROPYLBENZENE	15.916	120	183380	10.26	PPBV		99
92) 4-ETHYLTOLUENE	16.228	105	684143	10.30	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	577318	10.00	PPBV		99
94) ALPHA-METHYLSTYRENE	16.563	118	271652	9.88	PPBV		99
95) TERT-BUTYLBENZENE	16.813	134	137703	10.10	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.823	105	577369	10.23	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54663.D
Acq On : 27 Jul 2021 4:24 pm
Operator : danat
Sample : icv2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 11:12:39 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

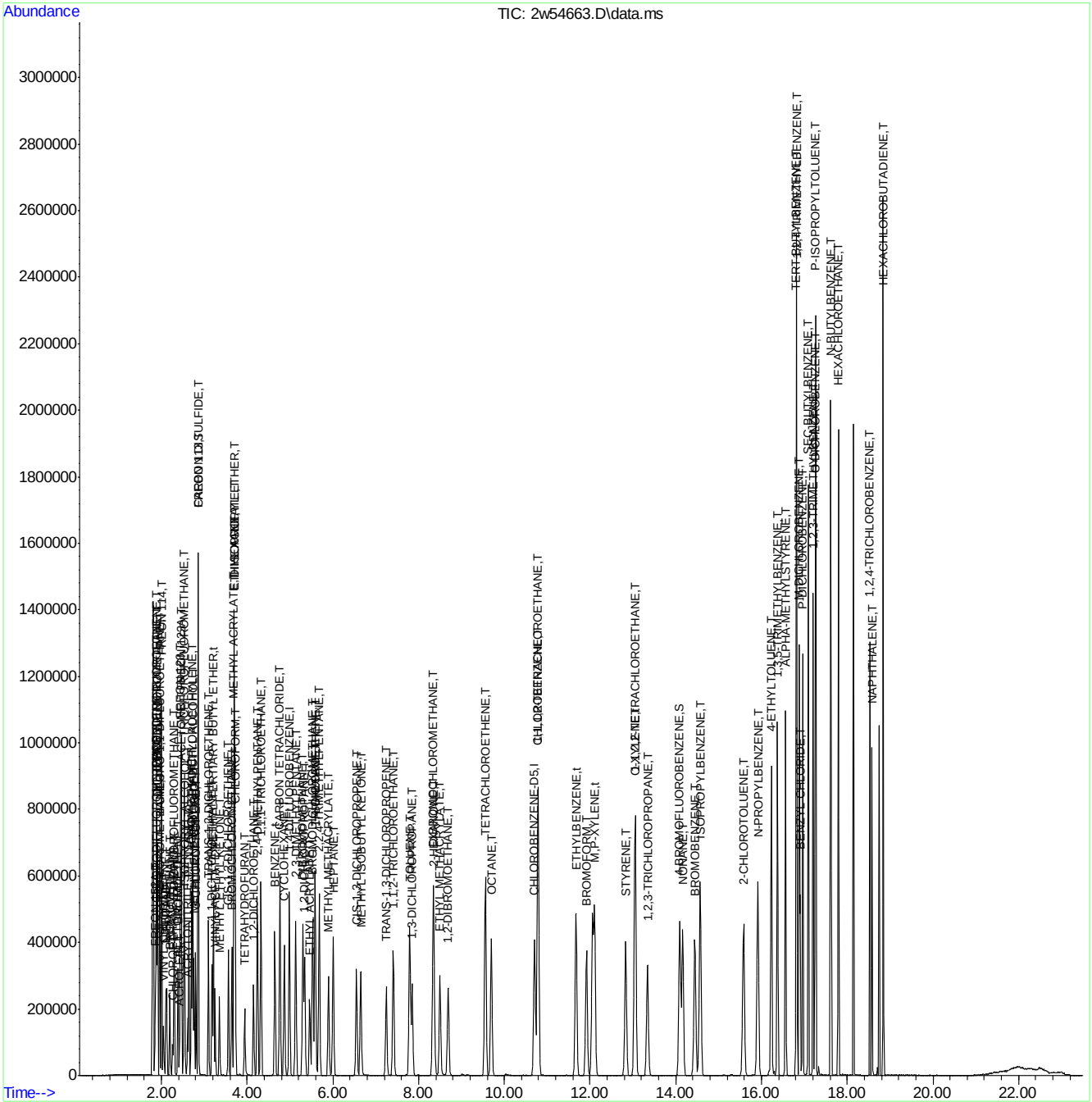
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.903	91	287871	10.62	PPBV	100
98) M-DICHLOROBENZENE	16.881	146	365316	9.29	PPBV	100
99) P-DICHLOROBENZENE	16.961	146	368955	9.52	PPBV	99
100) O-DICHLOROBENZENE	17.257	146	337368	9.58	PPBV	99
101) SEC-BUTYLBENZENE	17.093	134	167003	9.82	PPBV	95
102) 1,2,3-TRIMETHYLBENZENE	17.202	105	543940	9.67	PPBV	99
103) P-ISOPROPYLTOLUENE	17.267	134	180905	10.03	PPBV	100
104) N-BUTYLBENZENE	17.614	134	166932	9.95	PPBV	98
105) HEXACHLOROETHANE	17.794	117	216513	9.24	PPBV	98
106) HEXACHLOROBUTADIENE	18.842	225	260402	9.88	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.530	180	222314	8.39	PPBV	99
108) NAPHTHALENE	18.582	128	435187	7.97	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54663.D
Acq On : 27 Jul 2021 4:24 pm
Operator : danat
Sample : icv2424-10
Misc : MS52290,V2w2424,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 28 11:12:39 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54667.D
Acq On : 28 Jul 2021 8:47 am
Operator : thomash
Sample : cc2424-10
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:02 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.640	128	91534	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.981	114	476542	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.701	117	435113	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.087	95	312170	10.21	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.856	65	68502	9.73	PPBV		99
4) CHLORODIFLUOROMETHANE	1.872	67	43964	9.85	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.885	116	190783	9.57	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.907	85	426632	10.10	PPBV		99
7) PROPYLENE	1.881	41	70029	8.87	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.958	65	352217	9.78	PPBV		100
9) FREON 114	2.003	85	369328	10.05	PPBV		98
10) CHLOROMETHANE	1.965	52	27540	9.59	PPBV		100
11) VINYL CHLORIDE	2.045	62	108625	9.50	PPBV		99
12) 1,3-BUTADIENE	2.097	54	76437	10.01	PPBV		97
13) N-BUTANE	2.119	43	139754	9.56	PPBV		99
14) BROMOMETHANE	2.196	94	122288	9.71	PPBV		96
15) CHLOROETHANE	2.258	64	60837	9.92	PPBV		98
16) DICHLOROFLUOROMETHANE	2.290	67	293626	9.79	PPBV		99
17) ACETONITRILE	2.376	41	76369	9.34	PPBV		96
18) ACROLEIN	2.422	56	45442	8.89	PPBV		98
19) FREON 123	2.441	83	283223	9.42	PPBV		100
20) FREON 123A	2.460	117	189812	9.90	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.524	101	442279	9.89	PPBV		99
22) ISOPROPYL ALCOHOL	2.540	45	189681	9.56	PPBV		100
23) ACETONE	2.467	58	46218	8.61	PPBV		95
24) PENTANE	2.637	42	87207	10.12	PPBV		97
25) IODOMETHANE	2.695	142	351519	9.80	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.721	96	120594	9.70	PPBV		98
27) CARBON DISULFIDE	2.856	76	294066	9.79	PPBV		99
28) ETHANOL	2.296	45	38333	8.92	PPBV		98
29) BROMOETHENE	2.386	106	123694	9.52	PPBV		99
30) ACRYLONITRILE	2.608	52	68742	9.82	PPBV		99
31) METHYLENE CHLORIDE	2.759	84	101931	8.97	PPBV		95
32) 3-CHLOROPROPENE	2.798	76	52723	9.94	PPBV		95
33) FREON 113	2.856	151	241825	9.69	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	3.097	96	126247	9.91	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.730	59	236729	10.62	PPBV		99
36) METHYL TERTIARY BUTYL ...	3.209	73	340545	10.40	PPBV		100
37) TETRAHYDROFURAN	3.936	72	56077	10.88	PPBV		97
38) HEXANE	3.695	57	160115	9.71	PPBV		99
39) VINYL ACETATE	3.251	86	30909	10.13	PPBV		94
40) 1,1-DICHLOROETHANE	3.177	63	203446	9.87	PPBV		100
41) METHYL ETHYL KETONE	3.351	72	58034	10.23	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.560	96	134960	10.12	PPBV		98
43) DIISOPROPYL ETHER	3.695	59	51501	10.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54667.D
Acq On : 28 Jul 2021 8:47 am
Operator : thomash
Sample : cc2424-10
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:02 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.701	61	31804	10.79	PPBV		95
45) METHYL ACRYLATE	3.688	55	207486	10.15	PPBV	#	99
46) CHLOROFORM	3.717	83	302503	9.65	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.238	57	192100	9.93	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.319	97	338604	9.99	PPBV		99
49) CARBON TETRACHLORIDE	4.762	117	370727	9.86	PPBV		99
50) 1,2-DICHLOROETHANE	4.148	62	214736	9.95	PPBV		99
51) BENZENE	4.646	78	367659	9.82	PPBV		100
53) CYCLOHEXANE	4.865	84	166287	9.44	PPBV		97
54) 2,3-DIMETHYLPENTANE	5.129	71	81057	9.70	PPBV		99
55) TRICHLOROETHENE	5.582	95	191779	9.57	PPBV		97
56) 1,2-DICHLOROPROPANE	5.341	63	123029	9.18	PPBV		99
57) DIBROMOMETHANE	5.296	174	198262	8.94	PPBV		99
58) ETHYL ACRYLATE	5.457	55	260582	10.21	PPBV		99
59) BROMODICHLOROMETHANE	5.524	83	347881	9.40	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	518591	9.30	PPBV		99
61) 1,4-DIOXANE	5.585	88	84964	8.90	PPBV		99
62) HEPTANE	6.003	43	169569	9.38	PPBV		98
63) METHYL METHACRYLATE	5.894	69	139284	10.12	PPBV		100
64) METHYL ISOBUTYL KETONE	6.646	58	103040	9.53	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	6.547	75	219024	9.79	PPBV		99
66) TOLUENE	7.788	91	471113	9.28	PPBV		99
67) 1,3-DICHLOROPROPANE	7.843	76	223741	9.07	PPBV	#	100
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	205661	10.11	PPBV		98
69) 1,1,2-TRICHLOROETHANE	7.405	83	133409	9.32	PPBV		98
70) 2-HEXANONE	8.351	58	132346	9.38	PPBV		99
71) ETHYL METHACRYLATE	8.492	69	219438	10.22	PPBV		98
72) TETRACHLOROETHENE	9.553	164	208329	9.26	PPBV		99
73) DIBROMOCHLOROMETHANE	8.334	129	358453	9.65	PPBV		99
74) 1,2-DIBROMOETHANE	8.688	107	266093	9.60	PPBV		99
75) OCTANE	9.695	43	232714	9.14	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	10.791	131	237354	8.82	PPBV		100
78) CHLOROBENZENE	10.778	112	379463	8.44	PPBV		97
79) ETHYLBENZENE	11.669	91	633975	8.83	PPBV		99
80) M,P-XYLENE	12.106	91	997992	17.98	PPBV	#	99
81) O-XYLENE	13.045	91	503176	8.75	PPBV		100
82) STYRENE	12.833	104	377478	9.40	PPBV		99
83) NONANE	14.161	43	242156	8.55	PPBV		98
84) BROMOFORM	11.916	173	353145	9.64	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	13.048	83	311364	8.90	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.331	75	256122	8.36	PPBV	#	99
88) ISOPROPYLBENZENE	14.569	120	183575	8.70	PPBV		98
89) BROMOBENZENE	14.440	77	329359	8.82	PPBV		100
90) 2-CHLOROTOLUENE	15.575	126	166464	8.89	PPBV		100
91) N-PROPYLBENZENE	15.916	120	191617	9.37	PPBV		99
92) 4-ETHYLTOLUENE	16.231	105	701413	9.23	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.373	105	595911	9.02	PPBV		98
94) ALPHA-METHYLSTYRENE	16.562	118	287794	9.14	PPBV		99
95) TERT-BUTYLBENZENE	16.813	134	140881	9.03	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.820	105	594481	9.20	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54667.D
Acq On : 28 Jul 2021 8:47 am
Operator : thomash
Sample : cc2424-10
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:02 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration

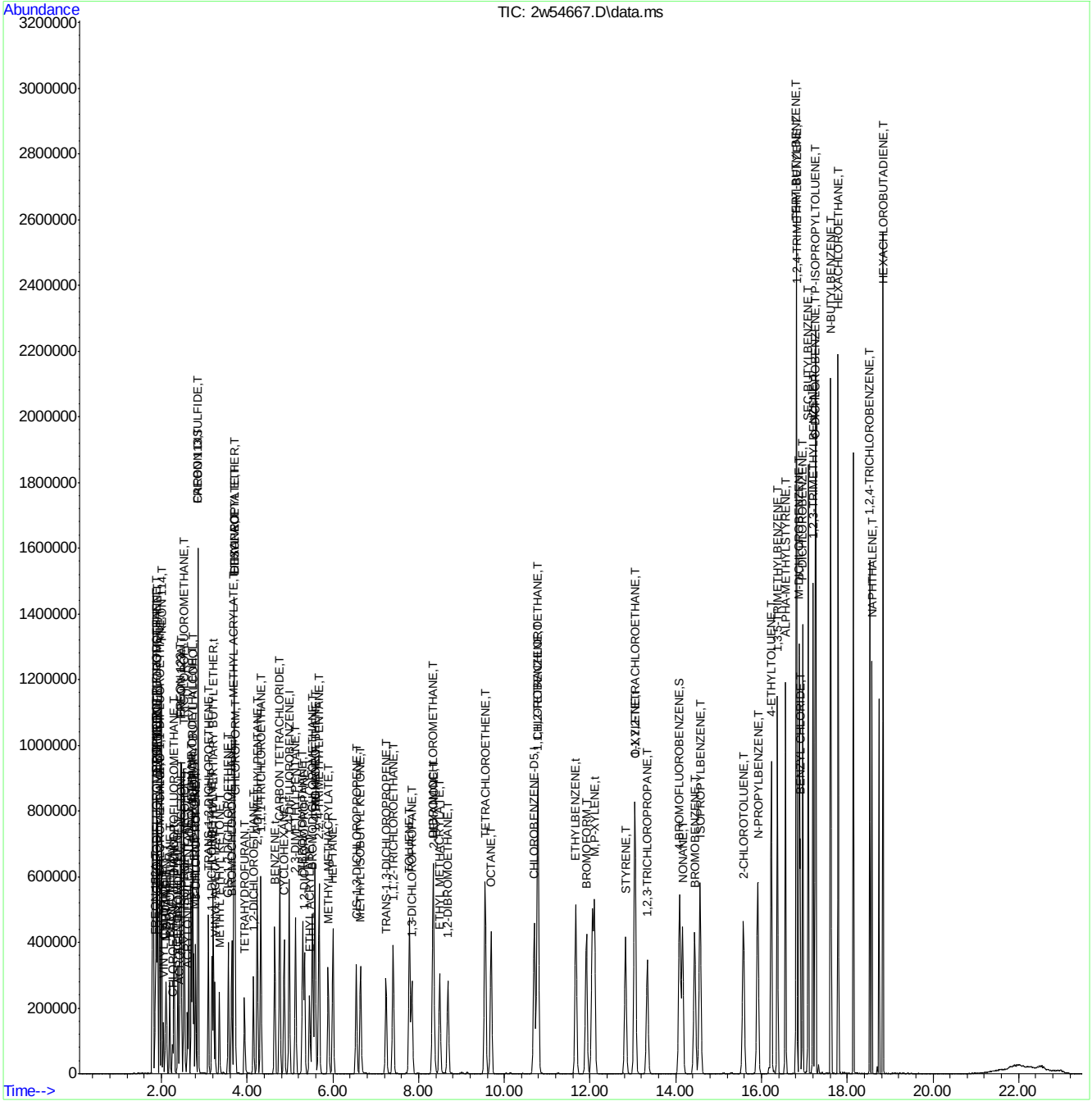
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.903	91	373255	12.03	PPBV	99
98)	M-DICHLOROBENZENE	16.881	146	394766	8.77	PPBV	99
99)	P-DICHLOROBENZENE	16.961	146	396559	8.94	PPBV	99
100)	O-DICHLOROBENZENE	17.254	146	366172	9.09	PPBV	98
101)	SEC-BUTYLBENZENE	17.090	134	172279	8.85	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.202	105	578139	8.98	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.267	134	182772	8.85	PPBV	98
104)	N-BUTYLBENZENE	17.611	134	167228	8.71	PPBV	97
105)	HEXACHLOROETHANE	17.791	117	245346	9.15	PPBV	98
106)	HEXACHLOROBUTADIENE	18.836	225	246514	8.17	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.527	180	253603	8.36	PPBV	99
108)	NAPHTHALENE	18.575	128	527802	8.44	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w54667.D
Acq On : 28 Jul 2021 8:47 am
Operator : thomash
Sample : cc2424-10
Misc : MS52290,V2w2425,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 28 13:52:02 2021
Quant Method : C:\msdchem\1\METHODS\M2W2424.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Tue Jul 27 16:59:35 2021
Response via : Initial Calibration



SGS

TO-15

Batch ID: V2W2318 / V2W2319

Date: 3/1/21

Analyst Signature:

Columns: DB-1 30m x 0.25mm x 0.5

Method: 2WTO15

Seq. File: 20210305.S

Initial Cal. Method: MV2W2318

AS Data

Method: TO15.720A.CTO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS8842	Int Std	100 ppbv
AS9121	TO15 Std (1,4-Difluorobenzene)	40 ppbv
AS9094	TO15 Std (Chlorobenzene-d5)	1.0 ppbv
AS9123	TO15 Std (1,2-Dichlorobenzene-d4)	1.0 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: Date: 3/9/21

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W52191	BFB		Open	400						
2	2W52192	CC2310-10		A974	100						Fails, ICal
1	2W52193	BFB		Open	400						Fails 10/3
2	2W52194	ICC2318-10		A974	100			✓	✓		
3	2W52195	IB		A963	100						
4	2W52196	IC2318-0.5		A980	200						
4	2W52197	IC2318-0.2		A980	80						Pyrmalloy Std AS9089 using AS9123
4	2W52198	IC2318-0.5		A980	200			✓	✓		
4	2W52199	IC2318-0.2		A980	80			✓	✓		
4	2W52200	IC2318-0.1		A980	40			✓	✓		
4	2W52201	IC2318-0.04		A980	16			✓	✓		
2	2W52202	IC2318-5		A974	50			✓	✓		
2	2W52203	IC2318-20		A974	200			✓	✓		
2	2W52204	IC2318-40		A974	400			✓	✓		
3	2W52205	IB		A963	100						
4	2W52206	ICV2318-10		100	100			✓	✓		
4	2W52207	BS		100	100			✓	✓		
4	2W52208	BSD		100	100			✓	✓		√2W2319
5	2W52209	=b		100	100						
5	2W52210	MB		400	400			✓	✓		
5	2W52211	JD20751-3	TO15	M253	400	1		✓	✓		
5	2W52212	JD20751-3 Dup	Benzene	M253	400	1		✓	✓		
6	2W52213	JD20751-1	1,3-Butadiene	A236	400	1		✓	✓		
7	2W52214	JD20751-2		M147	400	1		✓	✓		
8	2W52215	JD20751-4		M252	400	1		✓	✓		
9	2W52216	JD20751-5		A952	400	1		✓	✓		
10	2W52217	JD20751-6		A883	400	1		✓	✓		
11	2W52218	JD21241-10	TO15	M253	20	1					
12	2W52219	JD21241-11	35 Freons	A6799	20	1					too dilute
13	2W52220	JD21241-12	MS49354	A1124	20	1					

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2397

Date: 6/17/21

Analyst Signature:

Columns: DB-1 30mx0.25mmx0.5µm
Method: 2W7015.M
Seq. File: ~~2W7015~~ 2W20210617.S
Initial Cal. Method: M2W2318.M

AS Data

Method: 7015.7200A.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS1188	Int/Surr	100ppb
AS2226	TO15 STD (A965)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteri of SGS SOP EQA044.

Supervisor Signature: Date: 6/17/21

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
4	2W540558	BFB		open position	400					SK	
5	2W540559	LCS18-10		A965	100			✓	✓	SK	
5	2W540560	TH ~~BFB~~ BS		A965	100			✓	✓	SK	benzyl chloride
5	2W540561	BSD		A965	100			✓	✓	SK	benzyl chloride
6	2W540562	IB		A963	100					—	
6	2W540563	MB		A963	400					RR	carry over
6	2W540564	MB		A963	400			✓	✓	SK	
6	2W540565	Test blend IC		A963	400					—	
8	2W540566	JD26586-2	SC MS51516	A609	20	1		✓	✓	SK/DL	
10	2W540567	JD26471-3	STD+ MS51572	A328	40	1		✓	✓	SK/DL	
11	2W540568	JD26557-1	STD MS51572	A647	20	1				RR	dataq does not match
12	2W540569	JD26537-2	✓	M410	20	1				RR	dataq does not match
13	2W540570	JD26591-1	STD, NAP, LUME	A1231	100	1		✓	✓	SK	
13	2W540571	JD26591-10DP	MS51572	A1231	100	1		✓	✓	SK	
14	2W540572	JD26591-2	✓	A395	40	1		✓	✓	SK	
15	2W540573	JD26591-3	✓	A1236	100	1		✓	✓	SK	
16	2W540574	JD26591-4	✓	A481	100	1		✓	✓	SK	
1	2W540575	SCC CP11240		A1156	100					RR	possible c/c
3	2W540576	SCC CP11239		A224	400			✓	✓	SK	
4	2W540577	SCC CP11238		A1259	400			✓	✓	SK	
								TH	6/18/21		

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2424

Date: 7/27/21

Analyst Signature:

Columns: RTX-1 30m X 0.25mm X 0.5

Method: 2W TO15

Seq. File: 2W20210727.S

Initial Cal. Method: M2W2424

AS Data

Method: TO15, TO3A, CTO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9188	Int Std	100 ppbV
AS9267	TO15 Std (A977)	40 ppbV
AS9268	TO15 Std (A1262)	80 ppbV
AS9242	TO15 LCS (A974)	40 ppbV

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the crit of SGS SOP EQA044.

Supervisor Signature: Date: 7/28/21

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comment
1	2W5663	BFB		A1262	40			✓	✓	OK	time 1106
1	2W5664	IC2424-0.5		A1262	200			✓	✓	OK	
1	2W5665	IC2424-0.2		A1262	80			✓	✓	OK	
1	2W5666	IC2424-0.1		A1262	40			✓	✓	OK	
1	2W5667	IC2424-0.04		A1262	16			✓	✓	OK	
2	2W5658	IC2424-5		A977	50			✓	✓	OK	
2	2W5659	IC2424-10		A977	100			✓	✓	OK	
2	2W5660	IC2424-20		A977	200			✓	✓	OK	
2	2W5661	IC2424-40		A977	400			✓	✓	OK	
3	2W5662	IB		A962	100				✓	OK	
4	2W5668	IC2424-10		A974	100			✓	✓	OK	
3	2W5664	IB		A962	100						Acrolein #

7/28/21

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2425

Date: 7/28/21

Analyst Signature:

Columns: RTX 20m x 0.25mm x 0.5 µm

Method: 2WTO15

Seq. File: 2W202107 28.S

Initial Cal. Method: M2W2424

AS Data

Method: TO15.7200A.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9188	IS/SURR	100 ppbv
AS9268	TO15 STD (A977)	40 ppbv
AS9268	TO15 STD (A1212)	1.6 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criter of SGS SOP EQA044.

Supervisor Signature: Date: 7/28/21

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W54665	BFB		open position	400					OK	tune 702
2	2W54666	CC2424-10		A977	100					M	benzyl chloride
2	2W54667	CC2424-10		A977	100			✓	✓	OK	
2	2W54668	BS		A977	100			✓	✓	OK	
2	2W54669	BSD		A977	100			✓	✓	OK	
3	2W54670	IB		A962	100			✓	✓	OK	
3	2W54671	MB		A962	400		+	✓	✓	OK	
4	2W54672	JD28492-1	TO15SL	A964	400	1					
4	2W54673	JD28492-1dup	MS52431	A964	400	1					
4	2W54674	JD28492-1		A964	100	1					
5	2W54675	JD28488-1	MTCE,CTC,VCA +2O MS52531	A708	100	1	+	✓	✓	OK	
5	2W54676	JD28488-1dup	✓	A708	100	1		✓	✓	OK	
6	2W54677	JD28888-1	PCE MS52546	A1116	20	1		✓	✓	OK	
7	2W54678	JD28917-1	3C MS52546	A1207	80	1		✓	✓	OK	
8	2W54679	JD28917-2	✓	A1212	100	1		✓	✓	OK	
9	2W54680	JD28918-1	BTXMN MS52546	A244	40	1.52		✓	✓	OK	
10	2W54681	JD28639-1	MTBE MS52447	A088	200	1		✓	✓	OK	
11	2W54682	JD28640-1	3MS MS52291	A1092	400	1		✓	✓	OK	
12	2W54683	SCC CP11286		A448	400					NG	PCE hit
13	2W54684	SCC CP11293		A271	400					NG	TCE hit
14	2W54685	SCC CP11292		A534	100			✓	✓	OK	
15	2W54686	SCC CP11280		A866	400					NG	multiple hits
								TH	7/29/21		

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

Appendix E
Groundwater Monitoring Analytical Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ERM, Inc.

Johnson & Hoffman, Carle Place, NY

0607141

SGS Job Number: JD27982

Sampling Date: 07/08/21

Report to:

ERM, Inc.
105 Maxess Road Suite 316
Melville, NY 11747-3851
brice.lynch@ERM.com

ATTN: Brice Lynch

Total number of pages in report: **458**

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

Mike Earp

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

ERM, Inc.

Job No: JD27982

Johnson & Hoffman, Carle Place, NY
Project No: 0607141

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD27982-1	07/08/21	10:00	BWL	07/09/21	AQ	Ground Water	MW-06D
JD27982-1D	07/08/21	10:00	BWL	07/09/21	AQ	Water Dup/MSD	MW-06D (MSD)
JD27982-1S	07/08/21	10:00	BWL	07/09/21	AQ	Water Matrix Spike	MW-06D (MS)
JD27982-2	07/08/21	11:00	BWL	07/09/21	AQ	Ground Water	MW-06S
JD27982-3	07/08/21	12:00	BWL	07/09/21	AQ	Ground Water	MW-04
JD27982-4	07/08/21	00:00	BWL	07/09/21	AQ	Ground Water	DUP 070821
JD27982-5	07/08/21	13:00	BWL	07/09/21	AQ	Ground Water	MW-03
JD27982-6	07/08/21	14:10	BWL	07/09/21	AQ	Ground Water	MW-02
JD27982-7	07/08/21	15:05	BWL	07/09/21	AQ	Ground Water	MW-05
JD27982-8	07/08/21	16:00	BWL	07/09/21	AQ	Ground Water	MW-01
JD27982-9	07/08/21	11:35	BWL	07/09/21	AQ	Field Blank Water	FB 070821
JD27982-10	07/08/21	11:30	BWL	07/09/21	AQ	Trip Blank Water	TB 070821

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	ERM, Inc.	**Job No**	JD27982
Site:	Johnson & Hoffman, Carle Place, NY	**Report Date**	7/28/2021 9:36:14 AM

On 07/09/2021, 8 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 25.6 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD27982 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. ** OK to process with high tempture.

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.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4B4570

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD27982-1MS, JD27982-1MSD were used as the QC samples indicated.
- JD27982-6 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-5 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-5 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-5 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-5 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-6 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-5 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-10 for Chloromethane: Associated CCV outside of control limits low.
- V4B4570-BS for Acetone: High percent recovery and no associated positive reported in the QC batch.
- JD27982-4 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-6 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-10 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-6 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-1 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-1 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-1 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-6 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-9 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-9 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-9 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-9 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-9 for Bromoform: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4B4570

- JD27982-10 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-10 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-5 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-10 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-1 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-9 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- V4B4570-BS for 2-Butanone (MEK): High percent recovery and no associated positive reported in the QC batch.
- JD27982-1 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-1 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-3 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-6 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-10 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-3 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-2 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-4 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-4 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-4 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits high, sample was ND.
- JD27982-3 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-3 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-3 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-3 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-2 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-4 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-2 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD27982-2 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-2 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.
- JD27982-2 for Chloromethane: Associated CCV outside of control limits low.
- JD27982-4 for Acetone: Associated CCV outside of control limits high, sample was ND.This compound in blank spike is outside in house QC limits bias high.

Matrix: AQ **Batch ID:** V4B4571

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD27981-1MS, JD27981-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JD27982-8 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-7 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V4B4571

- JD27982-7 for Acetone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V4B4571-BS for 2-Butanone (MEK): High percent recovery and no associated positive reported in the QC batch.
- V4B4571-BS for Acetone: Outside in house control limits.
- JD27982-8 for Acetone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD27982-7 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD27982-8 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ **Batch ID:** OP34258A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD27982-1MS, JD27982-1MSD were used as the QC samples indicated.
- Sample(s) JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-7, JD27982-8, JD27982-9 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- JD27982-4: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-8: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-7: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-1: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-5: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-9: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-2: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-6: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-3: There are compounds contamination in MB. There's no sample left to re-extract.
- JD27982-2 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-1 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-4 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-5 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-9 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-6 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-7 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-8 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
- JD27982-3 for Phenanthrene: MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the 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.

SGS North America Inc. 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 SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD27982
Account: ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Collected: 07/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD27982-1	**MW-06D**					
Phenanthrene [a]		0.0639 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-2	**MW-06S**					
Tetrachloroethene		143	1.0	0.90	ug/l	SW846 8260D
Anthracene [b]		0.0632 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(a)anthracene [b]		0.0528	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [b]		0.0402	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [b]		0.0809	0.040	0.024	ug/l	SW846 8270E BY SIM
Chrysene [b]		0.0639 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluoranthene [b]		0.123	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.128 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [b]		0.0989	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-3	**MW-04**					
Benzo(a)anthracene [b]		0.0789	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [b]		0.110	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [b]		0.218	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene [b]		0.101	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(k)fluoranthene [b]		0.0666 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Chrysene [b]		0.123	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluoranthene [b]		0.206	0.080	0.040	ug/l	SW846 8270E BY SIM
Indeno(1,2,3-cd)pyrene [b]		0.0872	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.106 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [b]		0.173	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-4	**DUP 070821**					
Benzo(a)anthracene [b]		0.115	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [b]		0.143	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [b]		0.306	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene [b]		0.138	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(k)fluoranthene [b]		0.0956	0.080	0.040	ug/l	SW846 8270E BY SIM
Chrysene [b]		0.177	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluoranthene [b]		0.266	0.080	0.040	ug/l	SW846 8270E BY SIM
Indeno(1,2,3-cd)pyrene [b]		0.121	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.111 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [b]		0.220	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-5	**MW-03**					
Benzo(b)fluoranthene [b]		0.0358 J	0.040	0.024	ug/l	SW846 8270E BY SIM

Summary of Hits

Job Number: JD27982
Account: ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Collected: 07/08/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Fluoranthene [b]		0.0589 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluorene [b]		0.0415 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.0779 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [b]		0.0441 J	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-6	**MW-02**					
Phenanthrene [a]		0.0566 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-7	**MW-05**					
Phenanthrene [a]		0.0506 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-8	**MW-01**					
Benzo(a)anthracene [b]		0.0458	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [b]		0.0555	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [b]		0.107	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene [b]		0.0462 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Chrysene [b]		0.0653 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluoranthene [b]		0.141	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.103 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [b]		0.116	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-9	**FB 070821**					
Phenanthrene [a]		0.0512 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
JD27982-10	**TB 070821**					

No hits reported in this sample.

(a) There are compounds contamination in MB. There's no sample left to re-extract. MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.
(b) There are compounds contamination in MB. There's no sample left to re-extract.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-06D		
Lab Sample ID:	JD27982-1	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105513.D	1	07/14/21 13:49	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-06D		
Lab Sample ID:	JD27982-1	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		85-118%
17060-07-0	1,2-Dichloroethane-D4	97%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-06D		
Lab Sample ID:	JD27982-1	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93859.D	1	07/13/21 02:42	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.0639	0.080	0.040	ug/l	JB
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		29-124%
321-60-8	2-Fluorobiphenyl	86%		23-122%
1718-51-0	Terphenyl-d14	90%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-06S		
Lab Sample ID:	JD27982-2	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105514.D	1	07/14/21 14:17	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-06S		
Lab Sample ID:	JD27982-2	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	143	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		85-118%
17060-07-0	1,2-Dichloroethane-D4	99%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	92%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-06S		
Lab Sample ID:	JD27982-2	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93863.D	1	07/13/21 03:56	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	0.0632	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	0.0528	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.0402	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.0809	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	0.0639	0.080	0.040	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.123	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.128	0.080	0.040	ug/l	B
129-00-0	Pyrene	0.0989	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%		29-124%
321-60-8	2-Fluorobiphenyl	86%		23-122%
1718-51-0	Terphenyl-d14	89%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JD27982-3	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105515.D	1	07/14/21 14:45	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JD27982-3	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		85-118%
17060-07-0	1,2-Dichloroethane-D4	98%		80-121%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	92%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-04		
Lab Sample ID:	JD27982-3	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93864.D	1	07/13/21 04:14	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0789	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.110	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.218	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.101	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	0.0666	0.080	0.040	ug/l	J
218-01-9	Chrysene	0.123	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.206	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0872	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.106	0.080	0.040	ug/l	B
129-00-0	Pyrene	0.173	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	84%		29-124%
321-60-8	2-Fluorobiphenyl	86%		23-122%
1718-51-0	Terphenyl-d14	85%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP 070821		
Lab Sample ID:	JD27982-4	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105516.D	1	07/14/21 15:14	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	DUP 070821		
Lab Sample ID:	JD27982-4	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		85-118%
17060-07-0	1,2-Dichloroethane-D4	100%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP 070821		
Lab Sample ID:	JD27982-4	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93865.D	1	07/13/21 04:33	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.115	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.143	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.306	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.138	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	0.0956	0.080	0.040	ug/l	
218-01-9	Chrysene	0.177	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.266	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.121	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.111	0.080	0.040	ug/l	B
129-00-0	Pyrene	0.220	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%		29-124%
321-60-8	2-Fluorobiphenyl	92%		23-122%
1718-51-0	Terphenyl-d14	85%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	JD27982-5	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105517.D	1	07/14/21 15:42	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	JD27982-5	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		85-118%
17060-07-0	1,2-Dichloroethane-D4	100%		80-121%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	93%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-03		
Lab Sample ID:	JD27982-5	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93866.D	1	07/13/21 04:51	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.0358	0.040	0.024	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.0589	0.080	0.040	ug/l	J
86-73-7	Fluorene	0.0415	0.080	0.040	ug/l	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.0779	0.080	0.040	ug/l	JB
129-00-0	Pyrene	0.0441	0.080	0.040	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		29-124%
321-60-8	2-Fluorobiphenyl	86%		23-122%
1718-51-0	Terphenyl-d14	85%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	JD27982-6	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105518.D	1	07/14/21 16:11	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	JD27982-6	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		85-118%
17060-07-0	1,2-Dichloroethane-D4	101%		80-121%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	94%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-02		
Lab Sample ID:	JD27982-6	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93867.D	1	07/13/21 05:10	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.0566	0.080	0.040	ug/l	JB
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		29-124%
321-60-8	2-Fluorobiphenyl	85%		23-122%
1718-51-0	Terphenyl-d14	86%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	JD27982-7	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105537.D	1	07/15/21 12:24	BK	n/a	n/a	V4B4571
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	JD27982-7	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		85-118%
17060-07-0	1,2-Dichloroethane-D4	90%		80-121%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	90%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-05		
Lab Sample ID:	JD27982-7	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93868.D	1	07/13/21 05:28	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.0506	0.080	0.040	ug/l	JB
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		29-124%
321-60-8	2-Fluorobiphenyl	94%		23-122%
1718-51-0	Terphenyl-d14	94%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

ND = Not detected MDL = Method Detection Limit
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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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JD27982-8	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105538.D	1	07/15/21 12:52	BK	n/a	n/a	V4B4571
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JD27982-8	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		85-118%
17060-07-0	1,2-Dichloroethane-D4	91%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	92%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JD27982-8	**Date Sampled:**	07/08/21
Matrix:	AQ - Ground Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93869.D	1	07/13/21 05:47	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0458	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.0555	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.107	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.0462	0.080	0.040	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	0.0653	0.080	0.040	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.141	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.103	0.080	0.040	ug/l	B
129-00-0	Pyrene	0.116	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		29-124%
321-60-8	2-Fluorobiphenyl	89%		23-122%
1718-51-0	Terphenyl-d14	89%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB 070821		
Lab Sample ID:	JD27982-9	**Date Sampled:**	07/08/21
Matrix:	AQ - Field Blank Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105511.D	1	07/14/21 12:52	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	FB 070821		
Lab Sample ID:	JD27982-9	**Date Sampled:**	07/08/21
Matrix:	AQ - Field Blank Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		85-118%
17060-07-0	1,2-Dichloroethane-D4	96%		80-121%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	91%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB 070821		
Lab Sample ID:	JD27982-9	**Date Sampled:**	07/08/21
Matrix:	AQ - Field Blank Water	**Date Received:**	07/09/21
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	3P93870.D	1	07/13/21 06:05	CS	07/12/21 09:50	OP34258A	E3P4427
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene [b]	0.0512	0.080	0.040	ug/l	JB
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	95%		29-124%
321-60-8	2-Fluorobiphenyl	92%		23-122%
1718-51-0	Terphenyl-d14	93%		22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.
(b) MB contaminated with this compound. There is insufficient sample to re-extract for confirmation.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB 070821		
Lab Sample ID:	JD27982-10	**Date Sampled:**	07/08/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B105512.D	1	07/14/21 13:20	BK	n/a	n/a	V4B4570
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [b]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) [a]	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane [c]	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	TB 070821		
Lab Sample ID:	JD27982-10	**Date Sampled:**	07/08/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	07/09/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		85-118%
17060-07-0	1,2-Dichloroethane-D4	97%		80-121%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	92%		80-120%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits low.

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

Impulse

GW
FB
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1 PM

EHSA-QAC-0023-02-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: DM-072221-112
SGS Quote #:
SGS Job #: JD 27982

Client / Reporting Information

Company Name: ERM
Street Address: 105 Maxess Rd Ste 316
City / State / Zip: Melville NY 11747
Project Contact / E-mail: Brice.Lynch@erm.com
Phone #: 516-467-2515
Sampler(s) Name(s) / Phone #: TB Lynch 516 467 2515

Project Information

Project Name: Johnson & Hoffman
Street: 40 Voice Rd
City / State: Carle Place NY
Project #: 0607141
Client Purchase Order #:
Project Manager: Brice Lynch

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

8260 TCL 11
8270 SIM TAL

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Matrix	# of bottles	Preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	MW-06D (MS/MSD)	□	7/8/21	10:05	BWL	G	GW	5	3				2				E91
2	MW-06S	*		11:05													V1081
3	MW-04			12:00													
4	DUP 070821			00:00													
5	MW-03			13:00													
6	MW-02			14:10													
7	MW-05	•		15:05													
8	MW-01			16:00													
9	FB 070821	*		11:35		FB											
10	TB 070821			11:30	V	TB	V	2	V				V				

Turn Around Time (Business Days)

- [x] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other _____

All data available via Lablink

Approved By (SGS PM): / Date:
INITIAL ASESSMENT TJL 7/8
LABEL VERIFICATION _____

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

• QC vol
* 2 x 250ml 8270
□ 6 x 250ml 8270

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Brice Lynch	7/9/21 13:00		2	7/9/21 16:49	
3				4		
5						

Custody Seal # | Intact / Not intact | Preserved where applicable / Absent | Therm. ID: IR-4 | On Ice | Cooler Temp. °C 26.3C

no ice

TP

SGS Sample Receipt Summary

Job Number: JD27982 **Client:** ERM, INC. **Project:** JOHNSON & HOFFMAN, CARLE PLACE, NY

Date / Time Received: 7/9/2021 4:49:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (26.3);

Cooler Temps (Corrected) °C: Cooler 1: (25.6);

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)		
4. No. Coolers:	1		

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:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify)

Comments: 1). Samples received without ice in cooler. Temp out of range at 26.3 degrees C

SM089-02 Rev. Date 12/1/16

Responded to by: Tammy Esposito McCloskey Response Date: 7/12/2021

Proceed with analysis per Brice Lynch.

JD27982: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

ERM, Inc.

Job No: JD27982

Johnson & Hoffman, Carle Place, NY
Project No: 0607141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD27982-1 MW-06D	Collected: 08-JUL-21 10:00 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-1	SW846 8270E BY SIM	13-JUL-21 02:42	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-1	SW846 8260D	14-JUL-21 13:49	BK			V8260TCL11
JD27982-2 MW-06S	Collected: 08-JUL-21 11:00 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-2	SW846 8270E BY SIM	13-JUL-21 03:56	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-2	SW846 8260D	14-JUL-21 14:17	BK			V8260TCL11
JD27982-3 MW-04	Collected: 08-JUL-21 12:00 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-3	SW846 8270E BY SIM	13-JUL-21 04:14	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-3	SW846 8260D	14-JUL-21 14:45	BK			V8260TCL11
JD27982-4 DUP 070821	Collected: 08-JUL-21 00:00 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-4	SW846 8270E BY SIM	13-JUL-21 04:33	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-4	SW846 8260D	14-JUL-21 15:14	BK			V8260TCL11
JD27982-5 MW-03	Collected: 08-JUL-21 13:00 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-5	SW846 8270E BY SIM	13-JUL-21 04:51	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-5	SW846 8260D	14-JUL-21 15:42	BK			V8260TCL11
JD27982-6 MW-02	Collected: 08-JUL-21 14:10 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-6	SW846 8270E BY SIM	13-JUL-21 05:10	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-6	SW846 8260D	14-JUL-21 16:11	BK			V8260TCL11
JD27982-7 MW-05	Collected: 08-JUL-21 15:05 By: BWL		Received: 09-JUL-21 By: JP			
JD27982-7	SW846 8270E BY SIM	13-JUL-21 05:28	CS	12-JUL-21	JL	BLV8270SIMPAH

Internal Sample Tracking Chronicle

ERM, Inc.

Job No: JD27982

Johnson & Hoffman, Carle Place, NY
Project No: 0607141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD27982-7	SW846 8260D	15-JUL-21 12:24	BK			V8260TCL11
JD27982-8	Collected: 08-JUL-21 16:00 By: BWL		Received: 09-JUL-21 By: JP			
MW-01						
JD27982-8	SW846 8270E BY SIM	13-JUL-21 05:47	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-8	SW846 8260D	15-JUL-21 12:52	BK			V8260TCL11
JD27982-9	Collected: 08-JUL-21 11:35 By: BWL		Received: 09-JUL-21 By: JP			
FB 070821						
JD27982-9	SW846 8270E BY SIM	13-JUL-21 06:05	CS	12-JUL-21	JL	BLV8270SIMPAH
JD27982-9	SW846 8260D	14-JUL-21 12:52	BK			V8260TCL11
JD27982-10	Collected: 08-JUL-21 11:30 By: BWL		Received: 09-JUL-21 By: JP			
TB 070821						
JD27982-10	SW846 8260D	14-JUL-21 13:20	BK			V8260TCL11

SGS Internal Chain of Custody

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Received: 07/09/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-1.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-1.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-1.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-1.1
JD27982-1.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-1.1
JD27982-1.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-1.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-1.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-1.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-1.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-1.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-1.2
JD27982-1.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-1.2
JD27982-1.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-1.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-1.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-1.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-1.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-1.3	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.3	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-1.3	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-1.3.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-1.3
JD27982-1.3.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-1.3
JD27982-1.3.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-1.3.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-1.3.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-1.3.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-1.3.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-1.4	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.4	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-1.4	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-1.4.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-1.4
JD27982-1.4.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-1.4
JD27982-1.4.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-1.4.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-1.4.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument

SGS Internal Chain of Custody

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-1.4.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-1.4.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-1.5	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.5	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-1.5	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-1.5.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-1.5
JD27982-1.5.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-1.5
JD27982-1.5.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-1.5.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-1.5.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-1.6	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-1.6	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-1.6	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-1.6.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-1.6
JD27982-1.6.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-1.6
JD27982-1.6.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-1.6.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-1.6.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-1.10	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-1.10	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-1.10	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-1.10	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-1.11	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-1.11	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-1.11	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-1.11	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-1.12	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-1.12	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-1.12	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-1.12	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-2.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-2.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-2.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-2.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-2.1
JD27982-2.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-2.1
JD27982-2.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-2.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-2.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-2.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-2.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-2.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-2.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-2.2
JD27982-2.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-2.2
JD27982-2.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-2.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-2.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-2.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-2.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-2.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-2.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-2.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-2.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-3.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-3.1	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-3.1	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-3.1.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-3.1
JD27982-3.1.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-3.1
JD27982-3.1.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-3.1.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-3.1.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-3.1.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-3.1.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-3.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-3.2 stage	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
JD27982-3.2	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-3.2.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-3.2
JD27982-3.2.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-3.2
JD27982-3.2.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-3.2.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-3.2.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-3.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-3.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-3.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-3.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-4.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-4.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-4.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-4.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-4.1
JD27982-4.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-4.1
JD27982-4.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-4.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-4.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-4.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-4.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-4.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-4.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-4.2
JD27982-4.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-4.2
JD27982-4.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-4.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-4.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-4.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-4.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-4.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-4.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-4.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-4.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-5.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-5.1	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-5.1	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-5.1.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-5.1
JD27982-5.1.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-5.1
JD27982-5.1.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-5.1.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage

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Job Number: JD27982
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Project: Johnson & Hoffman, Carle Place, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-5.1.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-5.1.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-5.1.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-5.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-5.2 stage	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
JD27982-5.2	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-5.2.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-5.2
JD27982-5.2.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-5.2
JD27982-5.2.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-5.2.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-5.2.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-5.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-5.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-5.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-5.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-6.1	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-6.1 stage	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
JD27982-6.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-6.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-6.1
JD27982-6.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-6.1
JD27982-6.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-6.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-6.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-6.2	Tyler Strong	Secured Storage	07/09/21 22:35	Return to Storage
JD27982-6.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-6.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-6.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-6.2
JD27982-6.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-6.2
JD27982-6.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-6.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-6.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-6.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-6.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-6.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage

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Project: Johnson & Hoffman, Carle Place, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-6.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-6.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-6.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-7.1	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-7.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-7.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-7.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-7.1
JD27982-7.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-7.1
JD27982-7.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-7.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-7.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-7.2	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-7.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-7.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-7.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-7.2
JD27982-7.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-7.2
JD27982-7.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-7.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-7.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-7.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-7.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-7.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-7.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-7.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-7.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-7.6	Secured Storage	Brittany Klimek	07/15/21 17:45	Retrieve from Storage
JD27982-7.6	Brittany Klimek	GCMS4B	07/15/21 17:45	Load on Instrument
JD27982-7.6	Brittany Klimek	Secured Storage	07/16/21 10:12	Return to Storage
JD27982-7.6	GCMS4B	Brittany Klimek	07/16/21 10:12	Unload from Instrument
JD27982-8.1	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-8.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-8.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-8.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-8.1
JD27982-8.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-8.1

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Job Number: JD27982
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Project: Johnson & Hoffman, Carle Place, NY
Received: 07/09/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-8.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-8.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-8.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-8.2	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-8.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-8.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-8.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-8.2
JD27982-8.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-8.2
JD27982-8.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-8.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage
JD27982-8.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-8.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-8.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-8.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-8.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-8.4	GCMS4B	Brittany Klimek	07/14/21 18:43	Unload from Instrument
JD27982-8.4	Brittany Klimek	Secured Storage	07/14/21 18:43	Return to Storage
JD27982-8.4	Secured Storage	Brittany Klimek	07/15/21 17:45	Retrieve from Storage
JD27982-8.4	Brittany Klimek	GCMS4B	07/15/21 17:45	Load on Instrument
JD27982-8.4	Brittany Klimek	Secured Storage	07/16/21 10:12	Return to Storage
JD27982-8.4	GCMS4B	Brittany Klimek	07/16/21 10:12	Unload from Instrument
JD27982-9.1	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-9.1	Tyler Strong	Secured Staging Area	07/26/21 20:59	Return to Storage
stage				
JD27982-9.1	Secured Staging Area	Naisha Torres	07/27/21 08:19	Retrieve from Storage
JD27982-9.1.1	Naisha Torres	Organics Prep	07/27/21 08:20	Extract from JD27982-9.1
JD27982-9.1.1	Organics Prep	Brandon Saavedra	07/27/21 16:51	Extract from JD27982-9.1
JD27982-9.1.1	Brandon Saavedra	Extract Storage	07/27/21 16:51	Return to Storage
JD27982-9.1.1	Extract Storage	Christopher Sowa	07/28/21 01:23	Retrieve from Storage
JD27982-9.1.1	Christopher Sowa	GCMS3P	07/28/21 01:23	Load on Instrument
JD27982-9.2	Tyler Strong	Secured Storage	07/09/21 22:36	Return to Storage
JD27982-9.2	Secured Storage	Taylor Gorman	07/12/21 08:39	Retrieve from Storage
JD27982-9.2	Taylor Gorman		07/13/21 16:09	Depleted
JD27982-9.2.1	Taylor Gorman	Organics Prep	07/12/21 08:40	Extract from JD27982-9.2
JD27982-9.2.1	Organics Prep	Jesse Li	07/12/21 16:05	Extract from JD27982-9.2
JD27982-9.2.1	Jesse Li	Extract Storage	07/12/21 16:05	Return to Storage
JD27982-9.2.1	Extract Storage	Christopher Sowa	07/12/21 23:18	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Received: 07/09/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD27982-9.2.1	Christopher Sowa	GCMS3P	07/12/21 23:18	Load on Instrument
JD27982-9.2.1	GCMS3P	Kristi Schollenberger	07/13/21 13:49	Unload from Instrument
JD27982-9.2.1	Kristi Schollenberger	Extract Freezer	07/13/21 13:49	Return to Storage
JD27982-9.4	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-9.4	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-9.4	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-9.4	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage
JD27982-10.2	Secured Storage	Brittany Klimek	07/14/21 17:18	Retrieve from Storage
JD27982-10.2	Brittany Klimek	GCMS4B	07/14/21 17:18	Load on Instrument
JD27982-10.2	GCMS4B	Brittany Klimek	07/15/21 10:00	Unload from Instrument
JD27982-10.2	Brittany Klimek	Secured Storage	07/15/21 10:00	Return to Storage

MS Volatiles

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
- Run Sequence Reports

Method Blank Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4570-MB	4B105510.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4570-MB	4B105510.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	85-118%
17060-07-0	1,2-Dichloroethane-D4	95%	80-121%
2037-26-5	Toluene-D8	95%	80-120%
460-00-4	4-Bromofluorobenzene	90%	80-120%

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

Method Blank Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4571-MB	4B105536.D	1	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4571-MB	4B105536.D	1	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	85-118%
17060-07-0	1,2-Dichloroethane-D4	88%	80-121%
2037-26-5	Toluene-D8	95%	80-120%
460-00-4	4-Bromofluorobenzene	91%	80-120%

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

Blank Spike Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4570-BS	4B105508.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	292	146* [a]	63-137
71-43-2	Benzene	50	51.5	103	78-117
74-97-5	Bromochloromethane	50	58.6	117	83-124
75-27-4	Bromodichloromethane	50	53.3	107	83-123
75-25-2	Bromoform	50	64.9	130	80-140
74-83-9	Bromomethane	50	47.7	95	26-167
78-93-3	2-Butanone (MEK)	200	292	146* [a]	73-135
75-15-0	Carbon disulfide	50	46.3	93	60-131
56-23-5	Carbon tetrachloride	50	53.9	108	75-127
108-90-7	Chlorobenzene	50	55.6	111	83-115
75-00-3	Chloroethane	50	45.8	92	61-135
67-66-3	Chloroform	50	51.7	103	76-118
74-87-3	Chloromethane	50	39.6	79	46-144
110-82-7	Cyclohexane	50	49.1	98	67-128
96-12-8	1,2-Dibromo-3-chloropropane	50	64.4	129	75-135
124-48-1	Dibromochloromethane	50	59.6	119	84-128
106-93-4	1,2-Dibromoethane	50	56.8	114	82-129
95-50-1	1,2-Dichlorobenzene	50	56.3	113	85-117
541-73-1	1,3-Dichlorobenzene	50	55.2	110	83-116
106-46-7	1,4-Dichlorobenzene	50	54.7	109	82-115
75-71-8	Dichlorodifluoromethane	50	41.9	84	49-153
75-34-3	1,1-Dichloroethane	50	51.2	102	75-122
107-06-2	1,2-Dichloroethane	50	49.3	99	74-116
75-35-4	1,1-Dichloroethene	50	50.2	100	68-129
156-59-2	cis-1,2-Dichloroethene	50	53.4	107	78-120
156-60-5	trans-1,2-Dichloroethene	50	49.6	99	74-125
78-87-5	1,2-Dichloropropane	50	48.5	97	80-120
10061-01-5	cis-1,3-Dichloropropene	50	55.1	110	84-123
10061-02-6	trans-1,3-Dichloropropene	50	58.0	116	84-124
123-91-1	1,4-Dioxane	1250	1450	116	73-138
100-41-4	Ethylbenzene	50	53.0	106	80-115
76-13-1	Freon 113	50	53.0	106	66-136
591-78-6	2-Hexanone	200	235	118	74-132
98-82-8	Isopropylbenzene	50	53.8	108	79-120
79-20-9	Methyl Acetate	50	45.9	92	65-133
108-87-2	Methylcyclohexane	50	51.7	103	67-136

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4570-BS	4B105508.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	50.0	100	77-124
108-10-1	4-Methyl-2-pentanone(MIBK)	200	213	107	77-129
75-09-2	Methylene chloride	50	52.1	104	74-125
100-42-5	Styrene	50	56.9	114	83-122
79-34-5	1,1,2,2-Tetrachloroethane	50	54.3	109	78-122
127-18-4	Tetrachloroethene	50	57.3	115	75-125
108-88-3	Toluene	50	54.0	108	80-115
87-61-6	1,2,3-Trichlorobenzene	50	61.9	124	73-140
120-82-1	1,2,4-Trichlorobenzene	50	61.2	122	77-137
71-55-6	1,1,1-Trichloroethane	50	52.9	106	77-124
79-00-5	1,1,2-Trichloroethane	50	56.1	112	83-118
79-01-6	Trichloroethene	50	53.0	106	80-123
75-69-4	Trichlorofluoromethane	50	52.0	104	71-134
75-01-4	Vinyl chloride	50	44.0	88	56-138
	m,p-Xylene	100	110	110	81-118
95-47-6	o-Xylene	50	53.7	107	81-119
1330-20-7	Xylene (total)	150	164	109	81-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	85-118%
17060-07-0	1,2-Dichloroethane-D4	91%	80-121%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	94%	80-120%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4571-BS	4B105534.D	1	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	303	152* [a]	63-137
71-43-2	Benzene	50	47.2	94	78-117
74-97-5	Bromochloromethane	50	52.7	105	83-124
75-27-4	Bromodichloromethane	50	48.1	96	83-123
75-25-2	Bromoform	50	59.2	118	80-140
74-83-9	Bromomethane	50	47.2	94	26-167
78-93-3	2-Butanone (MEK)	200	282	141* [b]	73-135
75-15-0	Carbon disulfide	50	41.0	82	60-131
56-23-5	Carbon tetrachloride	50	47.6	95	75-127
108-90-7	Chlorobenzene	50	51.2	102	83-115
75-00-3	Chloroethane	50	45.0	90	61-135
67-66-3	Chloroform	50	46.4	93	76-118
74-87-3	Chloromethane	50	39.3	79	46-144
110-82-7	Cyclohexane	50	50.5	101	67-128
96-12-8	1,2-Dibromo-3-chloropropane	50	56.9	114	75-135
124-48-1	Dibromochloromethane	50	54.3	109	84-128
106-93-4	1,2-Dibromoethane	50	51.0	102	82-129
95-50-1	1,2-Dichlorobenzene	50	50.9	102	85-117
541-73-1	1,3-Dichlorobenzene	50	50.5	101	83-116
106-46-7	1,4-Dichlorobenzene	50	49.1	98	82-115
75-71-8	Dichlorodifluoromethane	50	37.0	74	49-153
75-34-3	1,1-Dichloroethane	50	46.8	94	75-122
107-06-2	1,2-Dichloroethane	50	43.8	88	74-116
75-35-4	1,1-Dichloroethene	50	44.0	88	68-129
156-59-2	cis-1,2-Dichloroethene	50	49.0	98	78-120
156-60-5	trans-1,2-Dichloroethene	50	44.3	89	74-125
78-87-5	1,2-Dichloropropane	50	44.3	89	80-120
10061-01-5	cis-1,3-Dichloropropene	50	50.2	100	84-123
10061-02-6	trans-1,3-Dichloropropene	50	52.2	104	84-124
123-91-1	1,4-Dioxane	1250	1260	101	73-138
100-41-4	Ethylbenzene	50	48.5	97	80-115
76-13-1	Freon 113	50	47.6	95	66-136
591-78-6	2-Hexanone	200	230	115	74-132
98-82-8	Isopropylbenzene	50	49.4	99	79-120
79-20-9	Methyl Acetate	50	41.2	82	65-133
108-87-2	Methylcyclohexane	50	47.8	96	67-136

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4B4571-BS	4B105534.D	1	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	45.1	90	77-124
108-10-1	4-Methyl-2-pentanone(MIBK)	200	197	99	77-129
75-09-2	Methylene chloride	50	47.3	95	74-125
100-42-5	Styrene	50	52.8	106	83-122
79-34-5	1,1,2,2-Tetrachloroethane	50	49.3	99	78-122
127-18-4	Tetrachloroethene	50	51.8	104	75-125
108-88-3	Toluene	50	48.8	98	80-115
87-61-6	1,2,3-Trichlorobenzene	50	54.7	109	73-140
120-82-1	1,2,4-Trichlorobenzene	50	54.9	110	77-137
71-55-6	1,1,1-Trichloroethane	50	46.6	93	77-124
79-00-5	1,1,2-Trichloroethane	50	50.2	100	83-118
79-01-6	Trichloroethene	50	48.7	97	80-123
75-69-4	Trichlorofluoromethane	50	50.4	101	71-134
75-01-4	Vinyl chloride	50	44.0	88	56-138
	m,p-Xylene	100	101	101	81-118
95-47-6	o-Xylene	50	48.4	97	81-119
1330-20-7	Xylene (total)	150	149	99	81-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	85-118%
17060-07-0	1,2-Dichloroethane-D4	87%	80-121%
2037-26-5	Toluene-D8	96%	80-120%
460-00-4	4-Bromofluorobenzene	93%	80-120%

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD27982-1MS	4B105528.D	1	07/14/21	BK	n/a	n/a	V4B4570
JD27982-1MSD	4B105529.D	1	07/14/21	BK	n/a	n/a	V4B4570
JD27982-1	4B105513.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	JD27982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		200	189	95	200	204	102	8	52-133/18
71-43-2	Benzene	ND		50	49.2	98	50	52.8	106	7	55-129/11
74-97-5	Bromochloromethane	ND		50	54.6	109	50	57.0	114	4	75-122/10
75-27-4	Bromodichloromethane	ND		50	48.5	97	50	51.4	103	6	74-123/11
75-25-2	Bromoform	ND		50	55.5	111	50	58.3	117	5	69-135/12
74-83-9	Bromomethane	ND		50	47.5	95	50	52.0	104	9	11-167/43
78-93-3	2-Butanone (MEK)	ND		200	240	120	200	253	127	5	64-131/15
75-15-0	Carbon disulfide	ND		50	42.4	85	50	43.9	88	3	54-137/15
56-23-5	Carbon tetrachloride	ND		50	50.4	101	50	53.5	107	6	68-132/11
108-90-7	Chlorobenzene	ND		50	53.3	107	50	56.0	112	5	71-119/10
75-00-3	Chloroethane	ND		50	46.7	93	50	50.9	102	9	50-146/18
67-66-3	Chloroform	ND		50	48.1	96	50	49.4	99	3	67-120/11
74-87-3	Chloromethane	ND		50	40.8	82	50	45.3	91	10	42-146/17
110-82-7	Cyclohexane	ND		50	51.1	102	50	56.9	114	11	56-147/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	59.8	120	50	62.7	125	5	65-130/15
124-48-1	Dibromochloromethane	ND		50	52.8	106	50	56.3	113	6	74-125/10
106-93-4	1,2-Dibromoethane	ND		50	53.3	107	50	54.4	109	2	74-125/9
95-50-1	1,2-Dichlorobenzene	ND		50	52.2	104	50	55.4	111	6	73-117/10
541-73-1	1,3-Dichlorobenzene	ND		50	53.0	106	50	55.5	111	5	73-117/10
106-46-7	1,4-Dichlorobenzene	ND		50	50.9	102	50	54.1	108	6	70-117/10
75-71-8	Dichlorodifluoromethane	ND		50	41.7	83	50	45.8	92	9	46-169/17
75-34-3	1,1-Dichloroethane	ND		50	47.8	96	50	50.3	101	5	66-124/13
107-06-2	1,2-Dichloroethane	ND		50	44.5	89	50	46.5	93	4	66-115/10
75-35-4	1,1-Dichloroethene	ND		50	47.9	96	50	49.6	99	3	60-136/15
156-59-2	cis-1,2-Dichloroethene	ND		50	51.7	103	50	52.8	106	2	55-133/12
156-60-5	trans-1,2-Dichloroethene	ND		50	46.5	93	50	48.6	97	4	67-127/13
78-87-5	1,2-Dichloropropane	ND		50	45.8	92	50	48.4	97	6	72-120/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	51.1	102	50	54.2	108	6	75-123/12
10061-02-6	trans-1,3-Dichloropropene	ND		50	52.5	105	50	54.1	108	3	73-122/11
123-91-1	1,4-Dioxane	ND		1250	1270	102	1250	1590	127	22	61-133/22
100-41-4	Ethylbenzene	ND		50	50.3	101	50	53.8	108	7	44-136/10
76-13-1	Freon 113	ND		50	52.0	104	50	55.5	111	7	61-148/15
591-78-6	2-Hexanone	ND		200	206	103	200	217	109	5	64-129/13
98-82-8	Isopropylbenzene	ND		50	50.6	101	50	55.5	111	9	71-122/11
79-20-9	Methyl Acetate	ND		50	41.8	84	50	44.2	88	6	55-127/17
108-87-2	Methylcyclohexane	ND		50	52.0	104	50	55.4	111	6	58-148/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD27982-1MS	4B105528.D	1	07/14/21	BK	n/a	n/a	V4B4570
JD27982-1MSD	4B105529.D	1	07/14/21	BK	n/a	n/a	V4B4570
JD27982-1	4B105513.D	1	07/14/21	BK	n/a	n/a	V4B4570

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

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-9, JD27982-10

CAS No.	Compound	JD27982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		50	46.8	94	50	48.6	97	4	64-122/11
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	198	99	200	211	106	6	68-128/13
75-09-2	Methylene chloride	ND		50	49.0	98	50	51.5	103	5	65-126/13
100-42-5	Styrene	ND		50	53.0	106	50	56.8	114	7	73-124/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	50.4	101	50	53.6	107	6	68-120/15
127-18-4	Tetrachloroethene	ND		50	55.0	110	50	60.0	120	9	61-134/11
108-88-3	Toluene	ND		50	50.5	101	50	54.0	108	7	54-130/11
87-61-6	1,2,3-Trichlorobenzene	ND		50	54.5	109	50	59.9	120	9	64-135/15
120-82-1	1,2,4-Trichlorobenzene	ND		50	55.0	110	50	59.3	119	8	67-134/14
71-55-6	1,1,1-Trichloroethane	ND		50	49.3	99	50	52.2	104	6	66-130/12
79-00-5	1,1,2-Trichloroethane	ND		50	51.6	103	50	55.2	110	7	73-117/11
79-01-6	Trichloroethene	ND		50	50.9	102	50	53.8	108	6	56-139/11
75-69-4	Trichlorofluoromethane	ND		50	51.1	102	50	55.8	112	9	63-150/16
75-01-4	Vinyl chloride	ND		50	46.1	92	50	50.9	102	10	48-148/17
	m,p-Xylene	ND		100	104	104	100	111	111	7	42-140/10
95-47-6	o-Xylene	ND		50	49.8	100	50	53.6	107	7	54-133/11
1330-20-7	Xylene (total)	ND		150	154	103	150	165	110	7	46-138/10

CAS No.	Surrogate Recoveries	MS	MSD	JD27982-1	Limits
1868-53-7	Dibromofluoromethane	96%	95%	100%	85-118%
17060-07-0	1,2-Dichloroethane-D4	85%	85%	97%	80-121%
2037-26-5	Toluene-D8	95%	97%	95%	80-120%
460-00-4	4-Bromofluorobenzene	94%	93%	93%	80-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD27981-1MS	4B105544.D	5	07/15/21	BK	n/a	n/a	V4B4571
JD27981-1MSD	4B105545.D	5	07/15/21	BK	n/a	n/a	V4B4571
JD27981-1 [a]	4B105539.D	5	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	JD27981-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1000	810	81	1000	876	88	8	52-133/18
71-43-2	Benzene	ND		250	206	82	250	207	83	0	55-129/11
74-97-5	Bromochloromethane	ND		250	237	95	250	234	94	1	75-122/10
75-27-4	Bromodichloromethane	ND		250	210	84	250	215	86	2	74-123/11
75-25-2	Bromoform	ND		250	254	102	250	266	106	5	69-135/12
74-83-9	Bromomethane	ND		250	224	90	250	225	90	0	11-167/43
78-93-3	2-Butanone (MEK)	ND		1000	963	96	1000	1050	105	9	64-131/15
75-15-0	Carbon disulfide	ND		250	171	68	250	174	70	2	54-137/15
56-23-5	Carbon tetrachloride	ND		250	212	85	250	213	85	0	68-132/11
108-90-7	Chlorobenzene	ND		250	223	89	250	227	91	2	71-119/10
75-00-3	Chloroethane	ND		250	216	86	250	219	88	1	50-146/18
67-66-3	Chloroform	ND		250	207	83	250	207	83	0	67-120/11
74-87-3	Chloromethane	ND		250	178	71	250	181	72	2	42-146/17
110-82-7	Cyclohexane	ND		250	243	97	250	275	110	12	56-147/14
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	242	97	250	257	103	6	65-130/15
124-48-1	Dibromochloromethane	ND		250	231	92	250	238	95	3	74-125/10
106-93-4	1,2-Dibromoethane	ND		250	221	88	250	231	92	4	74-125/9
95-50-1	1,2-Dichlorobenzene	ND		250	226	90	250	225	90	0	73-117/10
541-73-1	1,3-Dichlorobenzene	ND		250	226	90	250	228	91	1	73-117/10
106-46-7	1,4-Dichlorobenzene	ND		250	220	88	250	222	89	1	70-117/10
75-71-8	Dichlorodifluoromethane	ND		250	178	71	250	178	71	0	46-169/17
75-34-3	1,1-Dichloroethane	ND		250	206	82	250	205	82	0	66-124/13
107-06-2	1,2-Dichloroethane	ND		250	193	77	250	199	80	3	66-115/10
75-35-4	1,1-Dichloroethene	8.1		250	202	78	250	199	76	1	60-136/15
156-59-2	cis-1,2-Dichloroethene	46.5		250	258	85	250	257	84	0	55-133/12
156-60-5	trans-1,2-Dichloroethene	ND		250	198	79	250	196	78	1	67-127/13
78-87-5	1,2-Dichloropropane	ND		250	190	76	250	191	76	1	72-120/11
10061-01-5	cis-1,3-Dichloropropene	ND		250	222	89	250	226	90	2	75-123/12
10061-02-6	trans-1,3-Dichloropropene	ND		250	225	90	250	231	92	3	73-122/11
123-91-1	1,4-Dioxane	ND		6250	5610	90	6250	6680	107	17	61-133/22
100-41-4	Ethylbenzene	ND		250	208	83	250	212	85	2	44-136/10
76-13-1	Freon 113	158		250	322	66	250	323	66	0	61-148/15
591-78-6	2-Hexanone	ND		1000	843	84	1000	916	92	8	64-129/13
98-82-8	Isopropylbenzene	ND		250	206	82	250	211	84	2	71-122/11
79-20-9	Methyl Acetate	ND		250	172	69	250	181	72	5	55-127/17
108-87-2	Methylcyclohexane	ND		250	207	83	250	208	83	0	58-148/13

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD27981-1MS	4B105544.D	5	07/15/21	BK	n/a	n/a	V4B4571
JD27981-1MSD	4B105545.D	5	07/15/21	BK	n/a	n/a	V4B4571
JD27981-1 [a]	4B105539.D	5	07/15/21	BK	n/a	n/a	V4B4571

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

JD27982-7, JD27982-8

CAS No.	Compound	JD27981-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
1634-04-4	Methyl Tert Butyl Ether	ND		250	197	79	250	204	82	3	64-122/11
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		1000	810	81	1000	871	87	7	68-128/13
75-09-2	Methylene chloride	ND		250	212	85	250	213	85	0	65-126/13
100-42-5	Styrene	ND		250	228	91	250	232	93	2	73-124/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	211	84	250	221	88	5	68-120/15
127-18-4	Tetrachloroethene	61.6		250	270	83	250	271	84	0	61-134/11
108-88-3	Toluene	ND		250	206	82	250	214	86	4	54-130/11
87-61-6	1,2,3-Trichlorobenzene	ND		250	233	93	250	243	97	4	64-135/15
120-82-1	1,2,4-Trichlorobenzene	ND		250	231	92	250	239	96	3	67-134/14
71-55-6	1,1,1-Trichloroethane	ND		250	207	83	250	205	82	1	66-130/12
79-00-5	1,1,2-Trichloroethane	ND		250	213	85	250	225	90	5	73-117/11
79-01-6	Trichloroethene	2760	E	250	2440	-128* [b]	250	2470	-116* [b]	1	56-139/11
75-69-4	Trichlorofluoromethane	ND		250	247	99	250	251	100	2	63-150/16
75-01-4	Vinyl chloride	ND		250	204	82	250	210	84	3	48-148/17
	m,p-Xylene	ND		500	433	87	500	439	88	1	42-140/10
95-47-6	o-Xylene	ND		250	206	82	250	210	84	2	54-133/11
1330-20-7	Xylene (total)	ND		750	639	85	750	649	87	2	46-138/10

CAS No.	Surrogate Recoveries	MS	MSD	JD27981-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	97%	85-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	91%	80-121%
2037-26-5	Toluene-D8	93%	95%	95%	80-120%
460-00-4	4-Bromofluorobenzene	95%	93%	91%	80-120%

(a) Dilution required due to high concentration of target compound.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-BFB
Lab File ID: 4B104805.D
Instrument ID: GCMS4B
Injection Date: 06/16/21
Injection Time: 17:22

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	22690	18.0		Pass
75	30.0 - 60.0% of mass 95	58994	46.7		Pass
95	Base peak, 100% relative abundance	126234	100.0		Pass
96	5.0 - 9.0% of mass 95	8207	6.50		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	132154	104.7		Pass
175	5.0 - 9.0% of mass 174	10592	8.39	(8.01) [a]	Pass
176	95.0 - 101.0% of mass 174	127026	100.6	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	9088	7.20	(7.15) [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
V4B4538-IC4538	4B104806.D	06/16/21	17:57	00:35	Initial cal 0.2
V4B4538-IC4538	4B104807.D	06/16/21	18:25	01:03	Initial cal 0.5
V4B4538-IC4538	4B104808.D	06/16/21	18:53	01:31	Initial cal 1
V4B4538-IC4538	4B104809.D	06/16/21	19:21	01:59	Initial cal 2
V4B4538-IC4538	4B104810.D	06/16/21	19:49	02:27	Initial cal 4
V4B4538-IC4538	4B104811.D	06/16/21	20:17	02:55	Initial cal 8
V4B4538-IC4538	4B104812.D	06/16/21	20:46	03:24	Initial cal 20
V4B4538-ICC4538	4B104813.D	06/16/21	21:14	03:52	Initial cal 50
V4B4538-IC4538	4B104814.D	06/16/21	21:42	04:20	Initial cal 100
V4B4538-IC4538	4B104815.D	06/16/21	22:10	04:48	Initial cal 200
V4B4538-ICV4538	4B104818.D	06/16/21	23:33	06:11	Initial cal verification 50
V4B4538-ICV4538	4B104819.D	06/17/21	00:01	06:39	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4570-BFB
Lab File ID: 4B105506.D
Instrument ID: GCMS4B
Injection Date: 07/14/21
Injection Time: 10:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29347	17.5		Pass
75	30.0 - 60.0% of mass 95	78147	46.5		Pass
95	Base peak, 100% relative abundance	168021	100.0		Pass
96	5.0 - 9.0% of mass 95	11300	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	181589	108.1		Pass
175	5.0 - 9.0% of mass 174	14586	8.68	(8.03) [a]	Pass
176	95.0 - 101.0% of mass 174	174224	103.7	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	12027	7.16	(6.90) [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
V4B4570-CC4538	4B105506.D	07/14/21	10:03	00:00	Continuing cal 20
V4B4570-BS	4B105508.D	07/14/21	11:26	01:23	Blank Spike
V4B4570-MB	4B105510.D	07/14/21	12:24	02:21	Method Blank
JD27982-9	4B105511.D	07/14/21	12:52	02:49	FB 070821
JD27982-10	4B105512.D	07/14/21	13:20	03:17	TB 070821
JD27982-1	4B105513.D	07/14/21	13:49	03:46	MW-06D
JD27982-2	4B105514.D	07/14/21	14:17	04:14	MW-06S
JD27982-3	4B105515.D	07/14/21	14:45	04:42	MW-04
JD27982-4	4B105516.D	07/14/21	15:14	05:11	DUP 070821
JD27982-5	4B105517.D	07/14/21	15:42	05:39	MW-03
JD27982-6	4B105518.D	07/14/21	16:11	06:08	MW-02
ZZZZZZ	4B105519.D	07/14/21	16:40	06:37	(unrelated sample)
ZZZZZZ	4B105524.D	07/14/21	19:04	09:01	(unrelated sample)
ZZZZZZ	4B105525.D	07/14/21	19:33	09:30	(unrelated sample)
ZZZZZZ	4B105526.D	07/14/21	20:02	09:59	(unrelated sample)
ZZZZZZ	4B105527.D	07/14/21	20:30	10:27	(unrelated sample)
JD27982-1MS	4B105528.D	07/14/21	20:59	10:56	Matrix Spike
JD27982-1MSD	4B105529.D	07/14/21	21:27	11:24	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4571-BFB
Lab File ID: 4B105532.D
Instrument ID: GCMS4B
Injection Date: 07/15/21
Injection Time: 09:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29928	15.8		Pass
75	30.0 - 60.0% of mass 95	83891	44.4		Pass
95	Base peak, 100% relative abundance	188864	100.0		Pass
96	5.0 - 9.0% of mass 95	12905	6.83		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 150.0% of mass 95	213077	112.8		Pass
175	5.0 - 9.0% of mass 174	16351	8.66	(7.67) [a]	Pass
176	95.0 - 101.0% of mass 174	210240	111.3	(98.7) [a]	Pass
177	5.0 - 9.0% of mass 176	13295	7.04	(6.32) [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
V4B4571-CC4538	4B105532.D	07/15/21	09:53	00:00	Continuing cal 20
V4B4571-BS	4B105534.D	07/15/21	10:58	01:05	Blank Spike
V4B4571-MB	4B105536.D	07/15/21	11:55	02:02	Method Blank
JD27982-7	4B105537.D	07/15/21	12:24	02:31	MW-05
JD27982-8	4B105538.D	07/15/21	12:52	02:59	MW-01
JD27981-1	4B105539.D	07/15/21	13:21	03:28	(used for QC only; not part of job JD27982)
ZZZZZZ	4B105540.D	07/15/21	13:50	03:57	(unrelated sample)
ZZZZZZ	4B105542.D	07/15/21	14:47	04:54	(unrelated sample)
ZZZZZZ	4B105543.D	07/15/21	15:15	05:22	(unrelated sample)
JD27981-1MS	4B105544.D	07/15/21	15:43	05:50	Matrix Spike
JD27981-1MSD	4B105545.D	07/15/21	16:12	06:19	Matrix Spike Duplicate
ZZZZZZ	4B105547.D	07/15/21	17:09	07:16	(unrelated sample)
ZZZZZZ	4B105548.D	07/15/21	17:38	07:45	(unrelated sample)
ZZZZZZ	4B105549.D	07/15/21	18:06	08:13	(unrelated sample)
ZZZZZZ	4B105550.D	07/15/21	18:35	08:42	(unrelated sample)
ZZZZZZ	4B105551.D	07/15/21	19:03	09:10	(unrelated sample)
ZZZZZZ	4B105552.D	07/15/21	19:32	09:39	(unrelated sample)
ZZZZZZ	4B105553.D	07/15/21	20:00	10:07	(unrelated sample)
ZZZZZZ	4B105554.D	07/15/21	20:29	10:36	(unrelated sample)
ZZZZZZ	4B105555.D	07/15/21	20:57	11:04	(unrelated sample)

Internal Standard Area Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	V4B4570-CC4538	**Injection Date:**	07/14/21
Lab File ID:	4B105506.D	**Injection Time:**	10:03
Instrument ID:	GCMS4B	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	269153	6.48	524345	8.45	631616	9.31	632109	12.49	465371	15.06
Upper Limit [a]	538306	6.98	1048690	8.95	1263232	9.81	1264218	12.99	930742	15.56
Lower Limit [b]	134577	5.98	262173	7.95	315808	8.81	316055	11.99	232686	14.56

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4B4570-BS	219071	6.47	506006	8.45	633471	9.31	618290	12.49	429683	15.06
V4B4570-MB	236227	6.44	505886	8.45	626026	9.31	625944	12.49	468658	15.07
JD27982-9	266230	6.45	498042	8.45	608400	9.31	610647	12.49	455614	15.06
JD27982-10	235286	6.45	497287	8.45	611886	9.31	629757	12.49	462513	15.07
JD27982-1	236789	6.43	475039	8.45	588990	9.31	592767	12.49	435737	15.06
JD27982-2	234662	6.45	469788	8.45	581336	9.31	584450	12.49	433228	15.06
JD27982-3	186075	6.45	467954	8.45	589264	9.31	583334	12.49	435196	15.06
JD27982-4	177049	6.45	464922	8.45	575952	9.31	586390	12.49	428723	15.06
JD27982-5	179139	6.45	444155	8.45	559510	9.31	564098	12.49	415288	15.06
JD27982-6	209188	6.45	445363	8.45	564940	9.31	588486	12.49	425362	15.07
ZZZZZZ	186607	6.45	434175	8.45	544278	9.31	548809	12.49	471495	15.07
ZZZZZZ	235136	6.46	571280	8.45	705204	9.31	723441	12.49	526471	15.06
ZZZZZZ	203658	6.44	578439	8.45	698291	9.31	726835	12.49	532662	15.06
ZZZZZZ	217950	6.44	563629	8.45	683958	9.31	685951	12.49	508659	15.06
ZZZZZZ	206954	6.44	565132	8.45	683928	9.31	712916	12.49	520924	15.06
JD27982-1MS	222340	6.46	564827	8.45	703078	9.31	702101	12.49	486389	15.06
JD27982-1MSD	238340	6.46	556898	8.45	685176	9.31	681116	12.49	471346	15.06

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.

Internal Standard Area Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	V4B4571-CC4538	**Injection Date:**	07/15/21
Lab File ID:	4B105532.D	**Injection Time:**	09:53
Instrument ID:	GCMS4B	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	308817	6.47	588151	8.45	707797	9.31	709403	12.49	518641	15.06
Upper Limit [a]	617634	6.97	1176302	8.95	1415594	9.81	1418806	12.99	1037282	15.56
Lower Limit [b]	154409	5.97	294076	7.95	353899	8.81	354702	11.99	259321	14.56

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V4B4571-BS	252576	6.48	563994	8.45	698291	9.31	687158	12.49	478789	15.06
V4B4571-MB	268804	6.47	566196	8.45	697040	9.31	697645	12.49	514880	15.06
JD27982-7	319999	6.47	564203	8.45	690959	9.31	688081	12.49	510884	15.07
JD27982-8	272100	6.47	558058	8.45	688251	9.31	703545	12.49	513733	15.07
JD27981-1	236974	6.46	547183	8.45	674377	9.31	668241	12.49	496039	15.07
ZZZZZZ	238232	6.45	542663	8.45	673428	9.31	670751	12.49	493726	15.06
ZZZZZZ	232687	6.45	507927	8.45	612220	9.31	635166	12.49	454958	15.06
ZZZZZZ	217307	6.46	543728	8.45	680146	9.31	718132	12.49	518366	15.06
JD27981-1MS	195304	6.46	530524	8.45	663880	9.31	676947	12.49	463190	15.06
JD27981-1MSD	221751	6.45	537385	8.45	677450	9.31	676851	12.49	463962	15.06
ZZZZZZ	230488	6.46	537063	8.45	669794	9.31	686644	12.49	502161	15.06
ZZZZZZ	218727	6.44	516008	8.45	634382	9.31	664029	12.49	496379	15.07
ZZZZZZ	204131	6.44	520567	8.45	649573	9.31	682111	12.49	503865	15.07
ZZZZZZ	248196	6.44	510450	8.45	637967	9.31	676598	12.49	499201	15.06
ZZZZZZ	259733	6.44	509211	8.45	626140	9.31	663121	12.49	483269	15.06
ZZZZZZ	251010	6.45	489028	8.45	620389	9.31	644127	12.49	472651	15.06
ZZZZZZ	218226	6.45	494725	8.45	606353	9.31	627045	12.49	444895	15.06
ZZZZZZ	245746	6.46	510472	8.45	620417	9.31	631334	12.49	455731	15.06
ZZZZZZ	229251	6.44	545421	8.45	671623	9.31	675167	12.49	485812	15.06

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.

Surrogate Recovery Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD27982-1	4B105513.D	100	97	95	93
JD27982-2	4B105514.D	99	99	95	92
JD27982-3	4B105515.D	101	98	96	92
JD27982-4	4B105516.D	101	100	94	93
JD27982-5	4B105517.D	100	100	95	93
JD27982-6	4B105518.D	102	101	93	94
JD27982-7	4B105537.D	96	90	96	90
JD27982-8	4B105538.D	98	91	94	92
JD27982-9	4B105511.D	97	96	96	91
JD27982-10	4B105512.D	99	97	94	92
JD27981-1MS	4B105544.D	98	89	93	95
JD27981-1MSD	4B105545.D	98	89	95	93
JD27982-1MS	4B105528.D	96	85	95	94
JD27982-1MSD	4B105529.D	95	85	97	93
V4B4570-BS	4B105508.D	98	91	97	94
V4B4570-MB	4B105510.D	99	95	95	90
V4B4571-BS	4B105534.D	96	87	96	93
V4B4571-MB	4B105536.D	93	88	95	91

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	85-118%
S2 = 1,2-Dichloroethane-D4	80-121%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	80-120%

Initial Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICC4538
Lab FileID: 4B104813.D

Response Factor Report MS4B

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
Last Update : Tue Jun 22 17:13:13 2021
Response via : Initial Calibration

Calibration Files
1 =4B104808.D 4 =4B104810.D 100 =4B104814.D 50 =4B104813.D
20 =4B104812.D 200 =4B104815.D 8 =4B104811.D 0.5 =4B104807.D
2 =4B104809.D 0.2 =4B104806.D = =

Compound	1	4	100	50	20	200	8	0.5	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol											0.000	-1.00
3) tertiary butyl alcohol	0.922	1.020	1.105	1.030	1.063	0.895		1.117			1.022	8.38
4) 1,4-dioxane	0.078	0.096	0.103	0.098	0.092	0.086					0.092	9.73
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.744	0.686	0.734	0.901	0.873	0.782	0.666		0.850		0.780	11.22
7) dichlorodifluoromethane	0.868	0.985	1.243	1.134	0.943	0.839		1.008			1.003	14.35
8) chloromethane	0.969	0.864	0.877	1.053	0.997	0.840	0.809	0.969	1.054		0.937	9.79
9) vinyl chloride	0.849	0.787	0.832	1.009	0.954	0.798	0.730		0.976		0.867	11.64
10) 1,3-butadiene	0.591	0.568	0.716	0.682	0.560	0.569					0.614	10.91
11) bromomethane	0.681	0.589	0.578	0.683	0.660	0.548	0.550		0.695		0.623	10.11
12) chloroethane	0.438	0.353	0.346	0.415	0.409	0.323	0.333	0.394	0.440		0.383	11.88
13) trichlorofluoromethane	0.872	0.842	0.925	1.134	1.039	0.886	0.801	0.894	1.079		0.941	12.21
14) ethyl ether	0.166	0.144	0.153	0.180	0.176	0.156	0.146		0.165		0.161	8.22
15) acrolein	0.048	0.063	0.075	0.065	0.064	0.057					0.062	14.56
16) freon 113	0.469	0.496	0.600	0.554	0.491	0.454					0.511	10.87
17) 1,1-dichloroethene	0.585	0.604	0.598	0.725	0.688	0.592	0.602	0.551	0.739		0.632	10.66
18) acetone	0.029	0.025	0.032	0.030	0.026	0.026		0.032			0.029	10.64
19) acetonitrile	0.051	0.044	0.056	0.056	0.044	0.048					0.050	11.48
20) iodomethane	0.931	0.905	0.906	1.071	1.006	0.910	0.865	0.849	1.020		0.940	7.99
21) carbon disulfide	1.634	1.486	1.488	1.787	1.710	1.483	1.471	1.489	1.774	1.826	1.615	9.13
22) methylene chloride	0.434	0.425	0.413	0.494	0.468	0.415	0.411	0.421	0.478		0.440	7.15
23) methyl acetate												

```
                0.264 0.222 0.269 0.282 0.228 0.231       0.276        0.253    9.98
24)  methyl tert butyl ether
          1.222 1.133 1.041 1.263 1.235 1.015 1.041 1.080 1.332 1.195  1.156    9.44
25)  trans-1,2-dichloroethene
          0.546 0.546 0.550 0.648 0.624 0.551 0.540       0.663        0.583    8.95
26)  hexane
          0.294 0.266 0.294 0.356 0.330 0.299 0.266 0.322 0.346        0.308   10.54
27)  di-isopropyl ether
          1.542 1.448 1.500 1.757 1.679 1.509 1.423 1.416 1.710 1.472  1.546    8.05
28)  2-butanone
                0.024 0.027 0.034 0.033 0.029 0.023       0.020        0.027   19.70
29)  1,1-dichloroethane
          0.680 0.658 0.673 0.790 0.763 0.670 0.649 0.605 0.784        0.697    9.39
30)  chloroprene
                0.476 0.512 0.605 0.553 0.514 0.473       0.588        0.532    9.79
31)  acrylonitrile
                      0.107 0.127 0.125 0.110 0.087                    0.111   14.57
32)  vinyl acetate
                      0.052 0.059 0.051 0.056 0.043                    0.052   11.15
33)  ethyl tert-butyl ether
          1.359 1.333 1.323 1.584 1.523 1.279 1.274 1.272 1.545 1.362  1.385    8.63
34)  ethyl acetate
                0.046 0.046 0.057 0.054 0.047 0.043                    0.049   10.99
35)  2,2-dichloropropane
          0.781 0.736 0.765 0.916 0.863 0.768 0.721 0.761 0.907        0.802    9.18
36)  cis-1,2-dichloroethene
          0.422 0.396 0.394 0.454 0.428 0.399 0.380 0.415 0.464        0.417    6.80
37)  propionitrile
                0.041 0.039 0.050 0.049 0.041 0.040       0.046        0.044   10.47
38)  methyl acrylate
                0.019 0.042 0.049 0.046 0.044 0.035                    0.039   28.51
           ---- Linear regression ----  Coefficient =  0.9951
             Response Ratio = -0.00156 + 0.04519 *A

39)  methacrylonitrile
                0.103 0.111 0.128 0.124 0.116 0.102       0.107        0.113    9.09
40)  bromochloromethane
          0.218 0.218 0.215 0.252 0.235 0.220 0.202 0.171 0.233        0.218   10.40
41)  tetrahydrofuran
                      0.036 0.043 0.042 0.038 0.035                    0.039    9.25
42)  chloroform
          0.776 0.671 0.682 0.795 0.754 0.685 0.652 0.690 0.813        0.724    8.30
43)  tert-butyl formate
                0.355 0.384 0.449 0.419 0.389 0.342       0.384        0.389    9.33
44)  dibromofluoromethane (s)
          0.441 0.439 0.444 0.447 0.442 0.455 0.439 0.444 0.435 0.447  0.444    1.23
45)  1,1,1-trichloroethane
          0.791 0.776 0.860 1.025 0.926 0.883 0.786 0.766 0.957        0.863   10.64
46)  cyclohexane
          0.685 0.683 0.738 0.910 0.817 0.730 0.614 0.753 0.837        0.752   12.04
47)  isobutyl alcohol
                                                                       0.000   -1.00
48)  1,1-dichloropropene
          0.487 0.453 0.466 0.561 0.518 0.484 0.445 0.415 0.561 0.479  0.487    9.83
49)  carbon tetrachloride
          0.698 0.704 0.758 0.906 0.824 0.786 0.674       0.852        0.775   10.57
50)  tert-amyl alcohol
                0.026 0.016 0.021 0.021 0.017 0.019                    0.020   18.42
51)  isopropyl acetate
                0.054 0.066 0.078 0.075 0.069 0.052                    0.066   16.43
```

Initial Calibration Summary

Job Number: JD27982 **Sample:** V4B4538-ICC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B104813.D
Project: Johnson & Hoffman, Carle Place, NY

52) I 1,4-difluorobenzene ----------ISTD----------
53) 1,2-dichloroethane-d4 (s)
0.356 0.366 0.352 0.361 0.361 0.338 0.364 0.357 0.359 0.357 0.357 2.21
54) n-butyl alcohol
0.007 0.005 0.007 0.008 0.005 0.006 0.007 0.007 0.007 15.43
55) 2,2,4-trimethylpentane
1.057 0.992 1.248 1.409 1.229 1.314 0.964 0.937 1.196 1.150 14.60
56) benzene
1.118 1.068 1.099 1.295 1.204 1.102 1.035 1.063 1.224 1.071 1.128 7.48
57) tert-amyl methyl ether
1.020 0.983 1.022 1.220 1.170 0.974 0.968 0.985 1.157 1.157 1.065 9.22
58) heptane
0.210 0.200 0.214 0.252 0.234 0.213 0.195 0.185 0.244 0.216 10.43
59) 1,2-dichloroethane
0.429 0.383 0.369 0.436 0.415 0.368 0.352 0.418 0.440 0.467 0.408 9.20
60) ethyl acrylate
0.284 0.272 0.274 0.330 0.325 0.283 0.247 0.268 0.285 9.88
61) trichloroethene
0.267 0.271 0.291 0.342 0.312 0.291 0.263 0.343 0.297 10.71
62) 2-chloroethyl vinyl ether
0.145 0.145 0.155 0.185 0.174 0.154 0.143 0.169 0.159 9.80
63) methyl methacrylate
0.050 0.059 0.069 0.062 0.061 0.048 0.053 0.058 12.86
64) methylcyclohexane
0.617 0.600 0.673 0.811 0.732 0.685 0.605 0.742 0.683 11.02
65) 1,2-dichloropropane
0.339 0.288 0.297 0.350 0.332 0.297 0.284 0.290 0.354 0.314 9.09
66) dibromomethane
0.185 0.173 0.172 0.203 0.191 0.175 0.169 0.175 0.195 0.182 6.59
67) bromodichloromethane
0.395 0.371 0.405 0.468 0.433 0.410 0.370 0.387 0.444 0.409 8.20
68) 2-nitropropane
0.046 0.057 0.070 0.060 0.060 0.045 0.059 0.057 15.67
69) epichlorohydrin
0.024 0.027 0.023 0.029 0.028 0.023 0.022 0.027 0.025 10.03
70) cis-1,3-dichloropropene
0.426 0.414 0.449 0.524 0.482 0.448 0.399 0.483 0.453 9.10
71) 4-methyl-2-pentanone
0.101 0.100 0.100 0.123 0.121 0.103 0.097 0.116 0.108 9.73
72) isoamyl alcohol
0.008 0.007 0.010 0.010 0.007 0.007 0.007 0.008 14.83

73) I chlorobenzene-d5 ----------ISTD----------
74) toluene-d8 (s)
1.183 1.214 1.252 1.226 1.231 1.259 1.240 1.203 1.197 1.174 1.218 2.36
75) toluene
0.679 0.681 0.719 0.821 0.757 0.729 0.659 0.633 0.811 0.721 9.11
76) ethyl methacrylate
0.266 0.304 0.356 0.330 0.319 0.275 0.295 0.306 10.31
77) trans-1,3-dichloropropene
0.370 0.357 0.403 0.465 0.431 0.403 0.356 0.337 0.431 0.395 10.81
78) 1,1,2-trichloroethane
0.206 0.205 0.208 0.241 0.230 0.210 0.184 0.175 0.220 0.209 9.92
79) tetrachloroethene
0.271 0.268 0.306 0.353 0.328 0.309 0.278 0.310 0.303 9.82
80) 2-hexanone
0.079 0.086 0.082 0.101 0.100 0.083 0.086 0.086 0.088 9.38
81) 1,3-dichloropropane
0.413 0.374 0.381 0.445 0.428 0.374 0.362 0.340 0.427 0.394 9.05

Initial Calibration Summary

Job Number: JD27982 **Sample:** V4B4538-ICC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B104813.D
Project: Johnson & Hoffman, Carle Place, NY

82) butyl acetate
0.169 0.158 0.195 0.189 0.159 0.166 0.146 0.169 10.40
83) dibromochloromethane
0.327 0.301 0.346 0.396 0.363 0.355 0.310 0.312 0.338 0.339 8.88
84) 1,2-dibromoethane
0.265 0.251 0.267 0.313 0.297 0.271 0.245 0.304 0.277 9.07
85) n-butyl ether
1.363 1.345 1.372 1.608 1.535 1.350 1.298 1.497 1.421 7.77
86) chlorobenzene
0.837 0.808 0.839 0.967 0.922 0.837 0.778 0.747 0.919 0.850 8.50
87) 1,1,1,2-tetrachloroethane
0.389 0.373 0.441 0.489 0.442 0.450 0.372 0.420 0.422 9.83
88) ethylbenzene
1.525 1.428 1.490 1.743 1.643 1.484 1.400 1.328 1.613 1.517 8.58
89) m,p-xylene
0.556 0.534 0.574 0.672 0.635 0.581 0.543 0.528 0.642 0.585 8.94
90) o-xylene
1.353 1.271 1.356 1.561 1.460 1.373 1.236 1.203 1.421 1.359 8.33
91) styrene
0.784 0.815 0.886 1.029 0.944 0.898 0.803 0.690 0.882 0.878 0.861 10.86
92) butyl acrylate
0.532 0.549 0.550 0.666 0.652 0.549 0.529 0.595 0.578 9.38
93) isopropylbenzene
1.701 1.622 1.850 2.124 1.940 1.891 1.612 1.962 1.838 9.79
94) bromoform
0.265 0.246 0.269 0.312 0.294 0.276 0.233 0.236 0.262 0.266 9.80
95) cis-1,4-dichloro-2-butene
0.056 0.080 0.090 0.079 0.084 0.052 0.073 21.33
---- Linear regression ---- Coefficient = 0.9968
Response Ratio = -0.00292 + 0.08465 *A

96) I 1,4-dichlorobenzene-d ----------ISTD----------
97) 4-bromofluorobenzene (s)
0.726 0.730 0.759 0.745 0.730 0.753 0.743 0.719 0.736 0.703 0.734 2.25
98) 1,1,2,2-tetrachloroethane
0.557 0.531 0.591 0.679 0.631 0.612 0.500 0.620 0.590 9.84
99) trans-1,4-dichloro-2-butene
0.069 0.101 0.112 0.096 0.107 0.067 0.092 21.13
---- Linear regression ---- Coefficient = 0.9975
Response Ratio = -0.00406 + 0.10755 *A

100) 1,2,3-trichloropropane
0.142 0.155 0.176 0.171 0.157 0.135 0.168 0.158 9.57
101) bromobenzene
0.661 0.601 0.706 0.785 0.714 0.708 0.585 0.764 0.690 10.33
102) n-propylbenzene
2.716 2.619 3.049 3.444 3.130 3.073 2.607 3.152 2.974 10.00
103) 2-chlorotoluene
0.591 0.573 0.661 0.735 0.660 0.677 0.551 0.648 0.637 9.58
104) 4-chlorotoluene
1.662 1.560 1.703 1.941 1.820 1.700 1.514 1.506 1.876 1.539 1.682 9.28
105) 1,3,5-trimethylbenzene
1.895 2.415 2.635 2.344 2.521 1.884 2.257 2.279 12.81
106) tert-butylbenzene
1.407 2.032 2.164 1.848 2.196 1.418 1.774 1.834 17.78
107) 1,2,4-trimethylbenzene
2.050 2.424 2.715 2.487 2.502 2.013 2.338 2.361 10.71
108) sec-butylbenzene
2.398 3.189 3.478 3.077 3.371 2.433 2.898 2.978 14.37

Initial Calibration Summary

Job Number: JD27982 **Sample:** V4B4538-ICC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B104813.D
Project: Johnson & Hoffman, Carle Place, NY

```
109)  p-isopropyltoluene
                2.207 2.819 3.084 2.785 2.967 2.221       2.675        2.680   12.83
110)  1,3-dichlorobenzene
           1.344 1.267 1.338 1.518 1.417 1.335 1.220 1.145 1.473        1.340    8.88
111)  1,2,3-trimethylbenzene
                2.123 2.580 2.861 2.554 2.715 2.099       2.471        2.486   11.48
112)  1,4-dichlorobenzene
           1.398 1.289 1.367 1.544 1.451 1.366 1.258 1.263 1.548 1.401  1.389    7.48
113)  1,2-dichlorobenzene
           1.375 1.277 1.427 1.617 1.532 1.442 1.281       1.484        1.429    8.24
114)  benzyl chloride
           1.192 1.137 1.248 1.460 1.392 1.259 1.107       1.290        1.261    9.56
115)  n-butylbenzene
                1.128 1.311 1.495 1.381 1.345 1.118       1.346        1.303   10.46
116)  hexachloroethane
                0.288 0.539 0.541 0.445       0.317       0.344        0.412   27.22
              ---- Quadratic regression ----  Coefficient =  0.9951
                Response Ratio = -0.01094 + 0.47587 *A + 0.03836 *A^2

117)  1,2-dibromo-3-chloropropane
                0.148 0.186 0.217 0.200 0.192 0.152       0.168        0.181   13.98
118)  1,3,5-trichlorobenzene
           1.168 1.165 1.430 1.588 1.451 1.482 1.181       1.386        1.356   12.06
119)  1,2,4-trichlorobenzene
           1.035 1.106 1.410 1.559 1.419 1.435 1.151       1.294        1.301   14.28
120)  hexachlorobutadiene
                0.516 0.639 0.705 0.668 0.675 0.502       0.644        0.621   12.84
121)  naphthalene
                2.158 2.573 2.938 2.700 2.649 2.097       2.480        2.514   11.91
122)  1,2,3-trichlorobenzene
           1.001 0.966 1.247 1.394 1.266 1.289 0.977       1.096        1.155   14.28
123)  2-methylnaphthalene
                      1.539 1.708 1.515 1.632 1.084                    1.495   16.22
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M4B4538.M         Tue Jun 22 17:14:58 2021   MS4B
```

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104818.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\V4B4538\4B104818.D Vial: 15
Acq On : 16 Jun 2021 11:33 pm Operator: EddieH
Sample : icv4538-50 Inst : MS4B
Misc : MS51263,V4B4538,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
Last Update : Tue Jun 22 17:13:13 2021
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	tert butyl alcohol-d9	1.000	1.000	0.0	111	0.04	6.50
2	ethanol		----------NA----------				
3	tertiary butyl alcohol	1.022	1.028	-0.6	103	-0.03	6.61
4	1,4-dioxane	0.092	0.094	-2.2	101	-0.01	9.95
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	8.45
6	chlorodifluoromethane		----------NA----------				
7	dichlorodifluoromethane	1.003	1.241	-23.7	104	0.00	3.69
8	chloromethane	0.937	0.890	5.0	88	0.00	3.98
9	vinyl chloride	0.867	0.962	-11.0	100	0.00	4.18
10	1,3-butadiene	0.614	0.698	-13.7	102	-0.01	4.20
11	bromomethane	0.623	0.708	-13.6	108	0.00	4.70
12	chloroethane	0.383	0.398	-3.9	100	-0.02	4.83
13	trichlorofluoromethane	0.941	1.074	-14.1	99	-0.01	5.23
14	ethyl ether	0.161	0.174	-8.1	101	0.00	5.53
15	acrolein	0.062	0.078	-25.8	109	-0.02	5.71
16	freon 113	0.511	0.528	-3.3	92	-0.01	5.92
17	1,1-dichloroethene	0.632	0.687	-8.7	99	0.00	5.89
18	acetone	0.029	0.031	-6.9	103	-0.03	5.87
19	acetonitrile		----------NA----------				
20	iodomethane	0.940	1.054	-12.1	103	0.00	6.11
21	carbon disulfide	1.615	1.931	-19.6	113	0.00	6.25
22	methylene chloride	0.440	0.472	-7.3	100	0.00	6.48
23	methyl acetate	0.253	0.255	-0.8	99	-0.02	6.26
24	methyl tert butyl ether	1.156	1.233	-6.7	102	-0.02	6.81
25	trans-1,2-dichloroethene	0.583	0.607	-4.1	98	-0.01	6.83
26	hexane	0.308	0.330	-7.1	97	0.00	7.16
27	di-isopropyl ether	1.546	1.610	-4.1	96	0.00	7.33
28	2-butanone	0.027	0.034	-25.9	104	-0.04	7.89
29	1,1-dichloroethane	0.697	0.755	-8.3	100	0.01	7.33
30	chloroprene	0.532	0.629	-18.2	109	0.00	7.43
31	acrylonitrile		----------NA----------				
32	vinyl acetate	0.052	0.059	-13.5	106	-0.04	7.26
33	ethyl tert-butyl ether	1.385	1.461	-5.5	96	0.00	7.74
34	ethyl acetate	0.049	0.055	-12.2	101	-0.03	7.91
35	2,2-dichloropropane	0.802	0.886	-10.5	101	0.00	8.01
36	cis-1,2-dichloroethene	0.417	0.457	-9.6	105	0.00	7.96
37	propionitrile	0.044	0.049	-11.4	102	-0.02	7.93
	----------	True	Calc.	% Drift	----------		
38	methyl acrylate	50.000	56.361	-12.7	104	-0.03	7.99

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104818.D

			AvgRF	CCRF	% Dev			
39		methacrylonitrile	0.113	0.129	-14.2	105	-0.02	8.12
40		bromochloromethane	0.218	0.249	-14.2	103	0.00	8.23
41		tetrahydrofuran	0.039	0.044	-12.8	107	0.00	8.27
42		chloroform	0.724	0.771	-6.5	101	0.00	8.30
43		tert-butyl formate	0.389	0.342	12.1	80	0.00	8.35
44	S	dibromofluoromethane (s)	0.444	0.431	2.9	101	0.00	8.48
45		1,1,1-trichloroethane	0.863	0.978	-13.3	100	0.00	8.57
46		cyclohexane	0.752	0.910	-21.0	104	0.00	8.69
47		isobutyl alcohol		----------NA----------				
48		1,1-dichloropropene	0.487	0.536	-10.1	100	0.00	8.71
49		carbon tetrachloride	0.775	0.883	-13.9	102	0.00	8.76
50		tert-amyl alcohol	0.020	0.020	0.0	103	0.01	8.83
51		isopropyl acetate	0.066	0.077	-16.7	103	-0.01	8.84
52	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	9.31
53	S	1,2-dichloroethane-d4 (s)	0.357	0.344	3.6	99	0.00	8.86
54		n-butyl alcohol	0.007	0.007	0.0	97	-0.05	9.35
55		2,2,4-trimethylpentane	1.150	1.264	-9.9	93	0.00	9.04
56		benzene	1.128	1.281	-13.6	103	0.00	8.94
57		tert-amyl methyl ether	1.065	1.104	-3.7	94	0.00	9.02
58		heptane	0.216	0.240	-11.1	99	0.00	9.19
59		1,2-dichloroethane	0.408	0.421	-3.2	100	0.00	8.94
60		ethyl acrylate	0.285	0.325	-14.0	102	-0.03	9.59
61		trichloroethene	0.297	0.333	-12.1	101	0.00	9.62
62		2-chloroethyl vinyl ether	0.159	0.183	-15.1	103	-0.01	10.35
63		methyl methacrylate	0.058	0.070	-20.7	105	-0.02	9.84
64		methylcyclohexane	0.683	0.775	-13.5	99	0.00	9.92
65		1,2-dichloropropane	0.314	0.340	-8.3	101	0.00	9.88
66		dibromomethane	0.182	0.198	-8.8	101	0.00	9.98
67		bromodichloromethane	0.409	0.452	-10.5	100	0.00	10.13
68		2-nitropropane	0.057	0.065	-14.0	96	-0.02	10.30
69		epichlorohydrin	0.025	0.029	-16.0	103	-0.02	10.44
70		cis-1,3-dichloropropene	0.453	0.495	-9.3	98	-0.01	10.58
71		4-methyl-2-pentanone	0.108	0.124	-14.8	105	-0.02	10.68
72		isoamyl alcohol	0.008	0.009	-12.5	97	-0.04	10.68
73	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	12.49
74	S	toluene-d8 (s)	1.218	1.249	-2.5	103	0.00	10.91
75		toluene	0.721	0.840	-16.5	104	0.00	10.98
76		ethyl methacrylate	0.306	0.354	-15.7	101	-0.03	11.15
77		trans-1,3-dichloropropene	0.395	0.468	-18.5	102	-0.01	11.16
78		1,1,2-trichloroethane	0.209	0.242	-15.8	102	-0.01	11.38
79		tetrachloroethene		----------NA----------				
80		2-hexanone	0.088	0.105	-19.3	105	-0.02	11.56
81		1,3-dichloropropane	0.394	0.454	-15.2	103	0.00	11.57
82		butyl acetate	0.169	0.195	-15.4	102	-0.02	11.66
83		dibromochloromethane	0.339	0.407	-20.1	105	0.00	11.84
84		1,2-dibromoethane	0.277	0.317	-14.4	103	0.00	12.01
85		n-butyl ether	1.421	1.623	-14.2	102	-0.02	12.50
86		chlorobenzene	0.850	0.970	-14.1	102	0.00	12.53
87		1,1,1,2-tetrachloroethane	0.422	0.510	-20.9	106	0.00	12.60
88		ethylbenzene	1.517	1.737	-14.5	101	0.00	12.60
89		m,p-xylene	0.585	0.678	-15.9	102	-0.01	12.73
90		o-xylene	1.359	1.580	-16.3	103	-0.01	13.16
91		styrene	0.861	1.023	-18.8	101	-0.02	13.18
92		butyl acrylate	0.578	0.644	-11.4	98	-0.03	12.98
93		isopropylbenzene	1.838	2.139	-16.4	102	0.00	13.55
94		bromoform	0.266	0.318	-19.5	103	-0.01	13.42

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104818.D

			True	Calc.	% Drift			
95		cis-1,4-dichloro-2-butene	50.000	55.853	-11.7	103	-0.01	13.57

			AvgRF	CCRF	% Dev			
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	15.07
97	S	4-bromofluorobenzene (s)	0.734	0.726	1.1	99	0.00	13.77
98		1,1,2,2-tetrachloroethane	0.590	0.671	-13.7	101	-0.01	13.84

		True	Calc.	% Drift			
99	trans-1,4-dichloro-2-bute	50.000	56.349	-12.7	106	-0.02	13.87

		AvgRF	CCRF	% Dev			
100	1,2,3-trichloropropane	0.158	0.183	-15.8	106	0.00	13.93
101	bromobenzene	0.690	0.800	-15.9	104	0.00	13.97
102	n-propylbenzene	2.974	3.466	-16.5	102	-0.01	14.01
103	2-chlorotoluene	0.637	0.739	-16.0	102	0.00	14.15
104	4-chlorotoluene	1.682	1.929	-14.7	101	-0.01	14.28
105	1,3,5-trimethylbenzene	2.279	2.682	-17.7	104	-0.01	14.19
106	tert-butylbenzene	1.834	2.221	-21.1	104	0.00	14.56
107	1,2,4-trimethylbenzene	2.361	2.722	-15.3	102	-0.01	14.62
108	sec-butylbenzene	2.978	3.538	-18.8	103	0.00	14.81
109	p-isopropyltoluene	2.680	3.133	-16.9	103	0.00	14.95
110	1,3-dichlorobenzene	1.340	1.531	-14.3	103	0.00	14.99
111	1,2,3-trimethylbenzene		----------NA----------				
112	1,4-dichlorobenzene	1.389	1.540	-10.9	101	0.00	15.09
113	1,2-dichlorobenzene	1.429	1.645	-15.1	103	-0.01	15.50
114	benzyl chloride	1.261	1.422	-12.8	99	-0.02	15.19
115	n-butylbenzene	1.303	1.505	-15.5	102	-0.02	15.41

		True	Calc.	% Drift			
116	hexachloroethane	50.000	57.547	-15.1	110	0.00	15.84

		AvgRF	CCRF	% Dev			
117	1,2-dibromo-3-chloropropa	0.181	0.222	-22.7	104	-0.01	16.34
118	1,3,5-trichlorobenzene	1.356	1.660	-22.4	106	-0.02	16.56
119	1,2,4-trichlorobenzene	1.301	1.608	-23.6	105	-0.02	17.24
120	hexachlorobutadiene	0.621	0.708	-14.0	102	0.00	17.37
121	naphthalene	2.514	3.029	-20.5	105	-0.02	17.54
122	1,2,3-trichlorobenzene	1.155	1.442	-24.8	105	-0.01	17.77
123	2-methylnaphthalene	1.495	1.809	-21.0	108	-0.02	18.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0

4B104813.D M4B4538.M Tue Jun 22 17:14:47 2021 MS4B

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104819.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\V4B4538\4B104819.D Vial: 16
Acq On : 17 Jun 2021 12:01 am Operator: EddieH
Sample : icv4538-50 Inst : MS4B
Misc : MS51263,V4B4538,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:41:19 2021
Last Update : Thu Jun 17 09:41:19 2021
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	tert butyl alcohol-d9	1.000	1.000	0.0	125	-0.01	6.49
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	8.45
6	chlorodifluoromethane	0.780	0.834	-6.9	99	0.00	3.71
7	dichlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.050	0.059	-18.0	113	0.00	6.22
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	2-butanone		----------NA----------				
29	1,1-dichloroethane		----------NA----------				
30	chloroprene		----------NA----------				
31	acrylonitrile	0.111	0.125	-12.6	105	0.02	6.72
32	vinyl acetate		----------NA----------				
33	ethyl tert-butyl ether		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
	----------	True	Calc.	% Drift	----------		
38	methyl acrylate		----------NA----------				

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104819.D

			AvgRF	CCRF	% Dev			
39		methacrylonitrile		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43		tert-butyl formate		----------NA----------				
44	S	dibromofluoromethane (s)	0.444	0.430	3.2	103	0.00	8.48
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		isobutyl alcohol		----------NA----------				
48		1,1-dichloropropene		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50		tert-amyl alcohol		----------NA----------				
51		isopropyl acetate		----------NA----------				
52	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	9.31
53	S	1,2-dichloroethane-d4 (s)	0.357	0.346	3.1	101	0.00	8.86
54		n-butyl alcohol		----------NA----------				
55		2,2,4-trimethylpentane		----------NA----------				
56		benzene		----------NA----------				
57		tert-amyl methyl ether		----------NA----------				
58		heptane		----------NA----------				
59		1,2-dichloroethane		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		trichloroethene		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		methylcyclohexane		----------NA----------				
65		1,2-dichloropropane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		2-nitropropane		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		cis-1,3-dichloropropene		----------NA----------				
71		4-methyl-2-pentanone		----------NA----------				
72		isoamyl alcohol		----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	12.49
74	S	toluene-d8 (s)	1.218	1.208	0.8	105	0.00	10.91
75		toluene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		trans-1,3-dichloropropene		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79		tetrachloroethene	0.303	0.329	-8.6	99	0.00	11.57
80		2-hexanone		----------NA----------				
81		1,3-dichloropropane		----------NA----------				
82		butyl acetate		----------NA----------				
83		dibromochloromethane		----------NA----------				
84		1,2-dibromoethane		----------NA----------				
85		n-butyl ether		----------NA----------				
86		chlorobenzene		----------NA----------				
87		1,1,1,2-tetrachloroethane		----------NA----------				
88		ethylbenzene		----------NA----------				
89		m,p-xylene		----------NA----------				
90		o-xylene		----------NA----------				
91		styrene		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		bromoform		----------NA----------				

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4538-ICV4538
Lab FileID: 4B104819.D

			True	Calc.	% Drift			
95		cis-1,4-dichloro-2-butene		----------NA----------				
			AvgRF	CCRF	% Dev			
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	117	0.00	15.07
97	S	4-bromofluorobenzene (s)	0.734	0.714	2.7	113	0.00	13.77
98		1,1,2,2-tetrachloroethane		----------NA----------				
			True	Calc.	% Drift			
99		trans-1,4-dichloro-2-bute		----------NA----------				
			AvgRF	CCRF	% Dev			
100		1,2,3-trichloropropane		----------NA----------				
101		bromobenzene		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,3-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	2.486	2.535	-2.0	104	0.00	15.09
112		1,4-dichlorobenzene		----------NA----------				
113		1,2-dichlorobenzene		----------NA----------				
114		benzyl chloride		----------NA----------				
115		n-butylbenzene		----------NA----------				
			True	Calc.	% Drift			
116		hexachloroethane		----------NA----------				
			AvgRF	CCRF	% Dev			
117		1,2-dibromo-3-chloropropa		----------NA----------				
118		1,3,5-trichlorobenzene		----------NA----------				
119		1,2,4-trichlorobenzene		----------NA----------				
120		hexachlorobutadiene		----------NA----------				
121		naphthalene		----------NA----------				
122		1,2,3-trichlorobenzene		----------NA----------				
123		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

4B104813.D M4B4538.M Thu Jun 17 15:19:24 2021 MS4B

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4570-CC4538
Lab FileID: 4B105506.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ni...21\v4b4570\4b105506.d Vial: 2
Acq On : 14 Jul 2021 10:03 am Operator: brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
Last Update : Fri Jun 18 14:45:09 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
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	159	0.02	6.48
2	ethanol	----------NA----------					
3	tertiary butyl alcohol	0.880	1.135	-29.0#	175	-0.05	6.59
4	1,4-dioxane	0.092	0.112	-21.7#	181	-0.03	9.94
5 I	pentafluorobenzene	1.000	1.000	0.0	163	0.00	8.45
6	chlorodifluoromethane	0.780	0.562	27.9#	105	0.00	3.71
7	dichlorodifluoromethane	1.003	0.817	18.5	118	0.01	3.70
8	chloromethane	0.937	0.745	20.5#	122	0.02	4.00
9	vinyl chloride	0.867	0.742	14.4	127	0.02	4.19
10	1,3-butadiene	0.614	0.548	10.7	131	-0.01	4.20
11	bromomethane	0.623	0.594	4.7	147	0.02	4.71
12	chloroethane	0.383	0.341	11.0	136	0.00	4.84
13	trichlorofluoromethane	0.941	0.914	2.9	144	0.00	5.24
14	ethyl ether	0.161	0.154	4.3	143	0.00	5.53
15	acrolein	0.062	0.063	-1.6	159	-0.01	5.72
16	freon 113	0.511	0.474	7.2	140	0.00	5.94
17	1,1-dichloroethene	0.632	0.560	11.4	133	0.00	5.90
18	acetone	0.029	0.039	-34.5#	210#	-0.02	5.87
19	acetonitrile	0.050	0.055	-10.0	158	-0.02	6.23
20	iodomethane	0.940	0.891	5.2	145	0.00	6.11
21	carbon disulfide	1.615	1.332	17.5	127	0.00	6.25
22	methylene chloride	0.440	0.429	2.5	150	0.00	6.48
23	methyl acetate	0.253	0.223	11.9	129	-0.02	6.27
24	methyl tert butyl ether	1.156	1.156	0.0	153	-0.02	6.81
25	trans-1,2-dichloroethene	0.583	0.509	12.7	133	-0.01	6.83
26	hexane	0.308	0.242	21.4#	120	-0.01	7.15
27	di-isopropyl ether	1.546	1.317	14.8	128	0.00	7.33
28	2-butanone	0.027	0.037	-37.0#	184	-0.04	7.90
29	1,1-dichloroethane	0.697	0.645	7.5	138	0.00	7.33
30	chloroprene	0.532	0.458	13.9	135	0.00	7.43
31	acrylonitrile	0.111	0.121	-9.0	158	-0.02	6.72
32	vinyl acetate	0.052	0.055	-5.8	176	-0.03	7.27
33	ethyl tert-butyl ether	1.385	1.341	3.2	144	0.00	7.74
34	ethyl acetate	0.049	0.048	2.0	146	-0.03	7.91
35	2,2-dichloropropane	0.802	0.779	2.9	148	0.00	8.01
36	cis-1,2-dichloroethene	0.417	0.409	1.9	156	0.00	7.96
37	propionitrile	0.044	0.050	-13.6	167	-0.01	7.94
	----------	True	Calc.	% Drift	----------		
38	methyl acrylate	20.000	21.685	-8.4	161	-0.02	8.00

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4570-CC4538
Lab FileID: 4B105506.D

			AvgRF	CCRF	% Dev			
39		methacrylonitrile	0.113	0.113	0.0	149	-0.01	8.13
40		bromochloromethane	0.218	0.236	-8.3	164	0.00	8.23
41		tetrahydrofuran	0.039	0.045	-15.4	173	-0.02	8.26
42		chloroform	0.724	0.677	6.5	147	0.00	8.30
43		tert-butyl formate	0.389	0.423	-8.7	165	0.00	8.34
44	S	dibromofluoromethane (s)	0.444	0.423	4.7	156	0.00	8.47
45		1,1,1-trichloroethane	0.863	0.802	7.1	142	-0.01	8.56
46		cyclohexane	0.752	0.694	7.7	139	0.00	8.69
47		isobutyl alcohol		----------NA----------				
48		1,1-dichloropropene	0.487	0.440	9.7	139	0.00	8.71
49		carbon tetrachloride	0.775	0.742	4.3	147	0.00	8.75
50		tert-amyl alcohol	0.020	0.022	-10.0	174	0.00	8.82
51		isopropyl acetate	0.066	0.072	-9.1	156	-0.01	8.84
52	I	1,4-difluorobenzene	1.000	1.000	0.0	159	0.00	9.31
53	S	1,2-dichloroethane-d4 (s)	0.357	0.328	8.1	144	0.00	8.86
54		n-butyl alcohol	0.007	0.008	-14.3	147	-0.05	9.35
55		2,2,4-trimethylpentane	1.150	1.099	4.4	142	0.00	9.04
56		benzene	1.128	1.076	4.6	142	0.00	8.94
57		tert-amyl methyl ether	1.065	1.104	-3.7	150	0.00	9.02
58		heptane	0.216	0.200	7.4	136	0.00	9.18
59		1,2-dichloroethane	0.408	0.385	5.6	147	0.00	8.94
60		ethyl acrylate	0.285	0.296	-3.9	145	-0.02	9.60
61		trichloroethene	0.297	0.288	3.0	147	0.00	9.62
62		2-chloroethyl vinyl ether	0.159	0.169	-6.3	155	0.00	10.36
63		methyl methacrylate	0.058	0.060	-3.4	154	-0.02	9.84
64		methylcyclohexane	0.683	0.612	10.4	133	0.00	9.92
65		1,2-dichloropropane	0.314	0.290	7.6	139	0.00	9.88
66		dibromomethane	0.182	0.202	-11.0	168	0.00	9.99
67		bromodichloromethane	0.409	0.412	-0.7	151	0.00	10.13
68		2-nitropropane	0.057	0.069	-21.1#	181	-0.02	10.30
69		epichlorohydrin	0.025	0.030	-20.0	174	-0.01	10.44
70		cis-1,3-dichloropropene	0.453	0.476	-5.1	157	-0.01	10.58
71		4-methyl-2-pentanone	0.108	0.121	-12.0	158	-0.02	10.68
72		isoamyl alcohol	0.008	0.011	-37.5#	171	-0.04	10.68
73	I	chlorobenzene-d5	1.000	1.000	0.0	161	0.00	12.49
74	S	toluene-d8 (s)	1.218	1.162	4.6	152	0.00	10.90
75		toluene	0.721	0.700	2.9	149	0.00	10.98
76		ethyl methacrylate	0.306	0.305	0.3	149	-0.03	11.16
77		trans-1,3-dichloropropene	0.395	0.435	-10.1	162	-0.01	11.16
78		1,1,2-trichloroethane	0.209	0.220	-5.3	154	0.00	11.39
79		tetrachloroethene	0.303	0.307	-1.3	151	0.00	11.57
80		2-hexanone	0.088	0.105	-19.3	169	-0.02	11.56
81		1,3-dichloropropane	0.394	0.426	-8.1	160	0.00	11.57
82		butyl acetate	0.169	0.189	-11.8	161	-0.02	11.66
83		dibromochloromethane	0.339	0.388	-14.5	172	0.00	11.84
84		1,2-dibromoethane	0.277	0.303	-9.4	164	0.00	12.01
85		n-butyl ether	1.421	1.375	3.2	144	-0.02	12.50
86		chlorobenzene	0.850	0.889	-4.6	155	0.00	12.53
87		1,1,1,2-tetrachloroethane	0.422	0.454	-7.6	165	0.00	12.59
88		ethylbenzene	1.517	1.481	2.4	145	0.00	12.60
89		m,p-xylene	0.585	0.601	-2.7	152	-0.01	12.73
90		o-xylene	1.359	1.340	1.4	148	-0.01	13.16
91		styrene	0.861	0.903	-4.9	154	-0.02	13.18
92		butyl acrylate	0.578	0.593	-2.6	146	-0.02	12.99
93		isopropylbenzene	1.838	1.780	3.2	148	0.00	13.55
94		bromoform	0.266	0.339	-27.4#	185	-0.01	13.42

Continuing Calibration Summary

Job Number: JD27982 **Sample:** V4B4570-CC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B105506.D
Project: Johnson & Hoffman, Carle Place, NY

			True	Calc.	% Drift			
95		cis-1,4-dichloro-2-butene	20.000	16.134	19.3	125	-0.01	13.57

			AvgRF	CCRF	% Dev			
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	170	0.00	15.06
97	S	4-bromofluorobenzene (s)	0.734	0.660	10.1	154	0.00	13.76
98		1,1,2,2-tetrachloroethane	0.590	0.614	-4.1	165	-0.01	13.84

			True	Calc.	% Drift			
99		trans-1,4-dichloro-2-bute	20.000	14.490	27.5#	120	-0.01	13.88

			AvgRF	CCRF	% Dev			
100		1,2,3-trichloropropane	0.158	0.173	-9.5	171	0.00	13.93
101		bromobenzene	0.690	0.698	-1.2	166	0.00	13.97
102		n-propylbenzene	2.974	2.664	10.4	144	-0.01	14.01
103		2-chlorotoluene	0.637	0.624	2.0	161	0.00	14.15
104		4-chlorotoluene	1.682	1.615	4.0	151	-0.01	14.28
105		1,3,5-trimethylbenzene	2.279	2.093	8.2	152	-0.01	14.19
106		tert-butylbenzene	1.834	1.643	10.4	151	0.00	14.56
107		1,2,4-trimethylbenzene	2.361	2.208	6.5	151	-0.01	14.62
108		sec-butylbenzene	2.978	2.669	10.4	147	0.00	14.81
109		p-isopropyltoluene	2.680	2.463	8.1	150	0.00	14.95
110		1,3-dichlorobenzene	1.340	1.375	-2.6	165	0.00	14.99
111		1,2,3-trimethylbenzene	2.486	2.401	3.4	160	-0.01	15.09
112		1,4-dichlorobenzene	1.389	1.364	1.8	160	0.00	15.09
113		1,2-dichlorobenzene	1.429	1.462	-2.3	162	-0.01	15.50
114		benzyl chloride	1.261	1.541	-22.2#	188	-0.02	15.19
115		n-butylbenzene	1.303	1.204	7.6	148	-0.02	15.41

			True	Calc.	% Drift			
116		hexachloroethane	20.000	19.193	4.0	169	0.00	15.84

			AvgRF	CCRF	% Dev			
117		1,2-dibromo-3-chloropropa	0.181	0.221	-22.1#	187	0.00	16.34
118		1,3,5-trichlorobenzene	1.356	1.478	-9.0	173	-0.02	16.56
119		1,2,4-trichlorobenzene	1.301	1.384	-6.4	166	-0.02	17.24
120		hexachlorobutadiene	0.621	0.622	-0.2	158	0.00	17.37
121		naphthalene	2.514	2.632	-4.7	165	-0.02	17.54
122		1,2,3-trichlorobenzene	1.155	1.252	-8.4	168	-0.02	17.77
123		2-methylnaphthalene	1.495	1.288	13.8	144	-0.02	18.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4B104812.D M4B4538.M Thu Jul 15 06:51:40 2021

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V4B4571-CC4538
Lab FileID: 4B105532.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\da...21\v4b4571\4b105532.d Vial: 2
Acq On : 15 Jul 2021 9:53 am Operator: brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
Last Update : Tue Jun 22 17:13:13 2021
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
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	182	0.00	6.47
2	ethanol		----------NA----------				
3	tertiary butyl alcohol	1.022	0.954	6.7	169	-0.08	6.56
4	1,4-dioxane	0.092	0.091	1.1	169	0.00	9.96
5 I	pentafluorobenzene	1.000	1.000	0.0	183	0.00	8.45
6	chlorodifluoromethane	0.780	0.542	30.5#	114	0.00	3.71
7	dichlorodifluoromethane	1.003	0.813	18.9	132	0.02	3.70
8	chloromethane	0.937	0.769	17.9	141	0.01	3.99
9	vinyl chloride	0.867	0.802	7.5	154	0.02	4.19
10	1,3-butadiene	0.614	0.521	15.1	140	-0.01	4.20
11	bromomethane	0.623	0.625	-0.3	174	0.02	4.72
12	chloroethane	0.383	0.374	2.3	168	0.00	4.84
13	trichlorofluoromethane	0.941	0.972	-3.3	172	0.00	5.24
14	ethyl ether	0.161	0.154	4.3	161	0.00	5.53
15	acrolein	0.062	0.060	3.2	169	-0.01	5.72
16	freon 113	0.511	0.493	3.5	163	-0.01	5.92
17	1,1-dichloroethene	0.632	0.552	12.7	147	0.00	5.89
18	acetone	0.029	0.032	-10.3	196	0.00	5.89
19	acetonitrile	0.050	0.048	4.0	157	-0.03	6.22
20	iodomethane	0.940	0.896	4.7	163	0.00	6.12
21	carbon disulfide	1.615	1.360	15.8	146	0.00	6.25
22	methylene chloride	0.440	0.429	2.5	168	0.00	6.48
23	methyl acetate	0.253	0.230	9.1	149	0.00	6.28
24	methyl tert butyl ether	1.156	1.092	5.5	162	0.00	6.82
25	trans-1,2-dichloroethene	0.583	0.525	9.9	154	-0.01	6.83
26	hexane	0.308	0.248	19.5	138	-0.01	7.15
27	di-isopropyl ether	1.546	1.285	16.9	140	0.00	7.33
28	2-butanone	0.027	0.033	-22.2#	185	-0.04	7.90
29	1,1-dichloroethane	0.697	0.645	7.5	155	0.01	7.33
30	chloroprene	0.532	0.460	13.5	152	0.00	7.43
31	acrylonitrile	0.111	0.111	0.0	163	-0.02	6.72
32	vinyl acetate	0.052	0.050	3.8	179	-0.03	7.27
33	ethyl tert-butyl ether	1.385	1.293	6.6	156	0.00	7.74
34	ethyl acetate	0.049	0.044	10.2	151	-0.03	7.91
35	2,2-dichloropropane	0.802	0.765	4.6	162	0.00	8.01
36	cis-1,2-dichloroethene	0.417	0.409	1.9	176	0.00	7.96
37	propionitrile	0.044	0.045	-2.3	168	-0.01	7.94
	----------	True	Calc.	% Drift	----------		
38	methyl acrylate	20.000	21.461	-7.3	178	-0.02	8.00

Continuing Calibration Summary

Job Number: JD27982 **Sample:** V4B4571-CC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B105532.D
Project: Johnson & Hoffman, Carle Place, NY

			AvgRF	CCRF	% Dev			
39		methacrylonitrile	0.113	0.110	2.7	163	0.00	8.14
40		bromochloromethane	0.218	0.233	-6.9	182	0.00	8.23
41		tetrahydrofuran	0.039	0.041	-5.1	177	-0.01	8.26
42		chloroform	0.724	0.673	7.0	164	0.00	8.30
43		tert-butyl formate	0.389	0.397	-2.1	174	0.00	8.34
44	S	dibromofluoromethane (s)	0.444	0.410	7.7	170	0.00	8.48
45		1,1,1-trichloroethane	0.863	0.780	9.6	154	0.00	8.57
46		cyclohexane	0.752	0.781	-3.9	175	0.00	8.69
47		isobutyl alcohol		----------NA----------				
48		1,1-dichloropropene	0.487	0.453	7.0	160	0.00	8.71
49		carbon tetrachloride	0.775	0.729	5.9	162	0.00	8.76
50		tert-amyl alcohol	0.020	0.020	0.0	179	0.00	8.82
51		isopropyl acetate	0.066	0.068	-3.0	165	0.00	8.84
52	I	1,4-difluorobenzene	1.000	1.000	0.0	178	0.00	9.31
53	S	1,2-dichloroethane-d4 (s)	0.357	0.314	12.0	155	0.00	8.86
54		n-butyl alcohol	0.007	0.007	0.0	149	-0.05	9.35
55		2,2,4-trimethylpentane	1.150	1.165	-1.3	169	0.00	9.04
56		benzene	1.128	1.101	2.4	163	0.00	8.94
57		tert-amyl methyl ether	1.065	1.053	1.1	160	0.00	9.02
58		heptane	0.216	0.208	3.7	158	0.00	9.19
59		1,2-dichloroethane	0.408	0.361	11.5	155	0.00	8.95
60		ethyl acrylate	0.285	0.280	1.8	153	-0.03	9.59
61		trichloroethene	0.297	0.295	0.7	168	0.00	9.62
62		2-chloroethyl vinyl ether	0.159	0.159	0.0	163	0.00	10.36
63		methyl methacrylate	0.058	0.059	-1.7	167	-0.02	9.85
64		methylcyclohexane	0.683	0.643	5.9	156	0.00	9.92
65		1,2-dichloropropane	0.314	0.284	9.6	152	0.00	9.88
66		dibromomethane	0.182	0.186	-2.2	173	0.00	9.98
67		bromodichloromethane	0.409	0.409	0.0	168	0.00	10.13
68		2-nitropropane	0.057	0.060	-5.3	176	-0.02	10.30
69		epichlorohydrin	0.025	0.028	-12.0	178	-0.01	10.44
70		cis-1,3-dichloropropene	0.453	0.476	-5.1	176	-0.01	10.58
71		4-methyl-2-pentanone	0.108	0.113	-4.6	166	-0.02	10.68
72		isoamyl alcohol	0.008	0.010	-25.0#	186	-0.03	10.69
73	I	chlorobenzene-d5	1.000	1.000	0.0	181	0.00	12.49
74	S	toluene-d8 (s)	1.218	1.163	4.5	171	0.00	10.91
75		toluene	0.721	0.717	0.6	171	0.00	10.98
76		ethyl methacrylate	0.306	0.297	2.9	162	-0.03	11.16
77		trans-1,3-dichloropropene	0.395	0.413	-4.6	173	-0.01	11.16
78		1,1,2-trichloroethane	0.209	0.221	-5.7	173	0.00	11.39
79		tetrachloroethene	0.303	0.322	-6.3	177	0.00	11.57
80		2-hexanone	0.088	0.100	-13.6	181	-0.02	11.56
81		1,3-dichloropropane	0.394	0.404	-2.5	170	0.00	11.58
82		butyl acetate	0.169	0.173	-2.4	165	-0.02	11.66
83		dibromochloromethane	0.339	0.375	-10.6	186	0.00	11.84
84		1,2-dibromoethane	0.277	0.289	-4.3	176	-0.01	12.00
85		n-butyl ether	1.421	1.378	3.0	162	-0.02	12.50
86		chlorobenzene	0.850	0.895	-5.3	175	0.00	12.53
87		1,1,1,2-tetrachloroethane	0.422	0.447	-5.9	183	0.00	12.59
88		ethylbenzene	1.517	1.512	0.3	166	0.00	12.60
89		m,p-xylene	0.585	0.610	-4.3	174	-0.01	12.73
90		o-xylene	1.359	1.347	0.9	167	-0.01	13.16
91		styrene	0.861	0.902	-4.8	173	-0.02	13.18
92		butyl acrylate	0.578	0.574	0.7	159	-0.02	12.99
93		isopropylbenzene	1.838	1.821	0.9	170	0.00	13.55
94		bromoform	0.266	0.324	-21.8#	199	-0.01	13.42

Continuing Calibration Summary

Job Number: JD27982 **Sample:** V4B4571-CC4538
Account: ERMNYW ERM, Inc. **Lab FileID:** 4B105532.D
Project: Johnson & Hoffman, Carle Place, NY

			True	Calc.	% Drift			
95		cis-1,4-dichloro-2-butene	20.000	16.215	18.9	141	-0.01	13.57
			AvgRF	CCRF	% Dev			
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	189	0.00	15.06
97	S	4-bromofluorobenzene (s)	0.734	0.657	10.5	170	0.00	13.77
98		1,1,2,2-tetrachloroethane	0.590	0.585	0.8	175	-0.01	13.84
			True	Calc.	% Drift			
99		trans-1,4-dichloro-2-bute	20.000	15.007	25.0#	140	-0.01	13.88
			AvgRF	CCRF	% Dev			
100		1,2,3-trichloropropane	0.158	0.157	0.6	174	0.00	13.93
101		bromobenzene	0.690	0.698	-1.2	185	0.00	13.96
102		n-propylbenzene	2.974	2.770	6.9	167	-0.01	14.01
103		2-chlorotoluene	0.637	0.633	0.6	181	0.00	14.15
104		4-chlorotoluene	1.682	1.626	3.3	169	-0.01	14.28
105		1,3,5-trimethylbenzene	2.279	2.118	7.1	171	-0.01	14.19
106		tert-butylbenzene	1.834	1.691	7.8	173	0.00	14.56
107		1,2,4-trimethylbenzene	2.361	2.230	5.5	170	-0.01	14.62
108		sec-butylbenzene	2.978	2.772	6.9	170	0.00	14.81
109		p-isopropyltoluene	2.680	2.556	4.6	174	0.00	14.95
110		1,3-dichlorobenzene	1.340	1.395	-4.1	186	0.00	14.99
111		1,2,3-trimethylbenzene	2.486	2.402	3.4	178	0.00	15.09
112		1,4-dichlorobenzene	1.389	1.397	-0.6	182	0.00	15.09
113		1,2-dichlorobenzene	1.429	1.471	-2.9	182	-0.01	15.50
114		benzyl chloride	1.261	1.489	-18.1	202#	-0.02	15.19
115		n-butylbenzene	1.303	1.279	1.8	175	-0.02	15.41
			True	Calc.	% Drift			
116		hexachloroethane	20.000	19.584	2.1	193	0.00	15.84
			AvgRF	CCRF	% Dev			
117		1,2-dibromo-3-chloropropa	0.181	0.211	-16.6	199	-0.01	16.34
118		1,3,5-trichlorobenzene	1.356	1.521	-12.2	198	-0.02	16.56
119		1,2,4-trichlorobenzene	1.301	1.392	-7.0	186	-0.02	17.24
120		hexachlorobutadiene	0.621	0.663	-6.8	188	0.00	17.37
121		naphthalene	2.514	2.509	0.2	176	-0.02	17.54
122		1,2,3-trichlorobenzene	1.155	1.205	-4.3	180	-0.01	17.77
123		2-methylnaphthalene	1.495	1.363	8.8	170	-0.02	18.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
4B104812.D M4B4538.M Fri Jul 16 00:43:23 2021

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V4B4538 **Method:** SW846 8260D **Instrument ID:** GCMS4B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4B4538-BFB	4B104805.D	06/16/21 17:22	n/a	BFB Tune
V4B4538-IC4538	4B104806.D	06/16/21 17:57	n/a	Initial cal 0.2
V4B4538-IC4538	4B104807.D	06/16/21 18:25	n/a	Initial cal 0.5
V4B4538-IC4538	4B104808.D	06/16/21 18:53	n/a	Initial cal 1
V4B4538-IC4538	4B104809.D	06/16/21 19:21	n/a	Initial cal 2
V4B4538-IC4538	4B104810.D	06/16/21 19:49	n/a	Initial cal 4
V4B4538-IC4538	4B104811.D	06/16/21 20:17	n/a	Initial cal 8
V4B4538-IC4538	4B104812.D	06/16/21 20:46	n/a	Initial cal 20
V4B4538-ICC4538	4B104813.D	06/16/21 21:14	n/a	Initial cal 50
V4B4538-IC4538	4B104814.D	06/16/21 21:42	n/a	Initial cal 100
V4B4538-IC4538	4B104815.D	06/16/21 22:10	n/a	Initial cal 200
V4B4538-ICV4538	4B104818.D	06/16/21 23:33	n/a	Initial cal verification 50
V4B4538-ICV4538	4B104819.D	06/17/21 00:01	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V4B4570	**Method:** SW846 8260D	**Instrument ID:** GCMS4B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4B4570-BFB	4B105506.D	07/14/21 10:03	n/a	BFB Tune
V4B4570-CC4538	4B105506.D	07/14/21 10:03	n/a	Continuing cal 20
V4B4570-BS	4B105508.D	07/14/21 11:26	n/a	Blank Spike
V4B4570-MB	4B105510.D	07/14/21 12:24	n/a	Method Blank
JD27982-9	4B105511.D	07/14/21 12:52	n/a	FB 070821
JD27982-10	4B105512.D	07/14/21 13:20	n/a	TB 070821
JD27982-1	4B105513.D	07/14/21 13:49	n/a	MW-06D
JD27982-2	4B105514.D	07/14/21 14:17	n/a	MW-06S
JD27982-3	4B105515.D	07/14/21 14:45	n/a	MW-04
JD27982-4	4B105516.D	07/14/21 15:14	n/a	DUP 070821
JD27982-5	4B105517.D	07/14/21 15:42	n/a	MW-03
JD27982-6	4B105518.D	07/14/21 16:11	n/a	MW-02
ZZZZZZ	4B105519.D	07/14/21 16:40	n/a	(unrelated sample)
ZZZZZZ	4B105524.D	07/14/21 19:04	n/a	(unrelated sample)
ZZZZZZ	4B105525.D	07/14/21 19:33	n/a	(unrelated sample)
ZZZZZZ	4B105526.D	07/14/21 20:02	n/a	(unrelated sample)
ZZZZZZ	4B105527.D	07/14/21 20:30	n/a	(unrelated sample)
JD27982-1MS	4B105528.D	07/14/21 20:59	n/a	Matrix Spike
JD27982-1MSD	4B105529.D	07/14/21 21:27	n/a	Matrix Spike Duplicate

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V4B4571	**Method:** SW846 8260D	**Instrument ID:** GCMS4B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V4B4571-BFB	4B105532.D	07/15/21 09:53	n/a	BFB Tune
V4B4571-CC4538	4B105532.D	07/15/21 09:53	n/a	Continuing cal 20
V4B4571-BS	4B105534.D	07/15/21 10:58	n/a	Blank Spike
V4B4571-MB	4B105536.D	07/15/21 11:55	n/a	Method Blank
JD27982-7	4B105537.D	07/15/21 12:24	n/a	MW-05
JD27982-8	4B105538.D	07/15/21 12:52	n/a	MW-01
JD27981-1	4B105539.D	07/15/21 13:21	n/a	(used for QC only; not part of job JD27982)
ZZZZZZ	4B105540.D	07/15/21 13:50	n/a	(unrelated sample)
ZZZZZZ	4B105542.D	07/15/21 14:47	n/a	(unrelated sample)
ZZZZZZ	4B105543.D	07/15/21 15:15	n/a	(unrelated sample)
JD27981-1MS	4B105544.D	07/15/21 15:43	n/a	Matrix Spike
JD27981-1MSD	4B105545.D	07/15/21 16:12	n/a	Matrix Spike Duplicate
ZZZZZZ	4B105547.D	07/15/21 17:09	n/a	(unrelated sample)
ZZZZZZ	4B105548.D	07/15/21 17:38	n/a	(unrelated sample)
ZZZZZZ	4B105549.D	07/15/21 18:06	n/a	(unrelated sample)
ZZZZZZ	4B105550.D	07/15/21 18:35	n/a	(unrelated sample)
ZZZZZZ	4B105551.D	07/15/21 19:03	n/a	(unrelated sample)
ZZZZZZ	4B105552.D	07/15/21 19:32	n/a	(unrelated sample)
ZZZZZZ	4B105553.D	07/15/21 20:00	n/a	(unrelated sample)
ZZZZZZ	4B105554.D	07/15/21 20:29	n/a	(unrelated sample)
ZZZZZZ	4B105555.D	07/15/21 20:57	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105513.d
Acq On : 14 Jul 2021 1:49 pm
Operator : brittank
Sample : JD27982-1 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:35:39 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

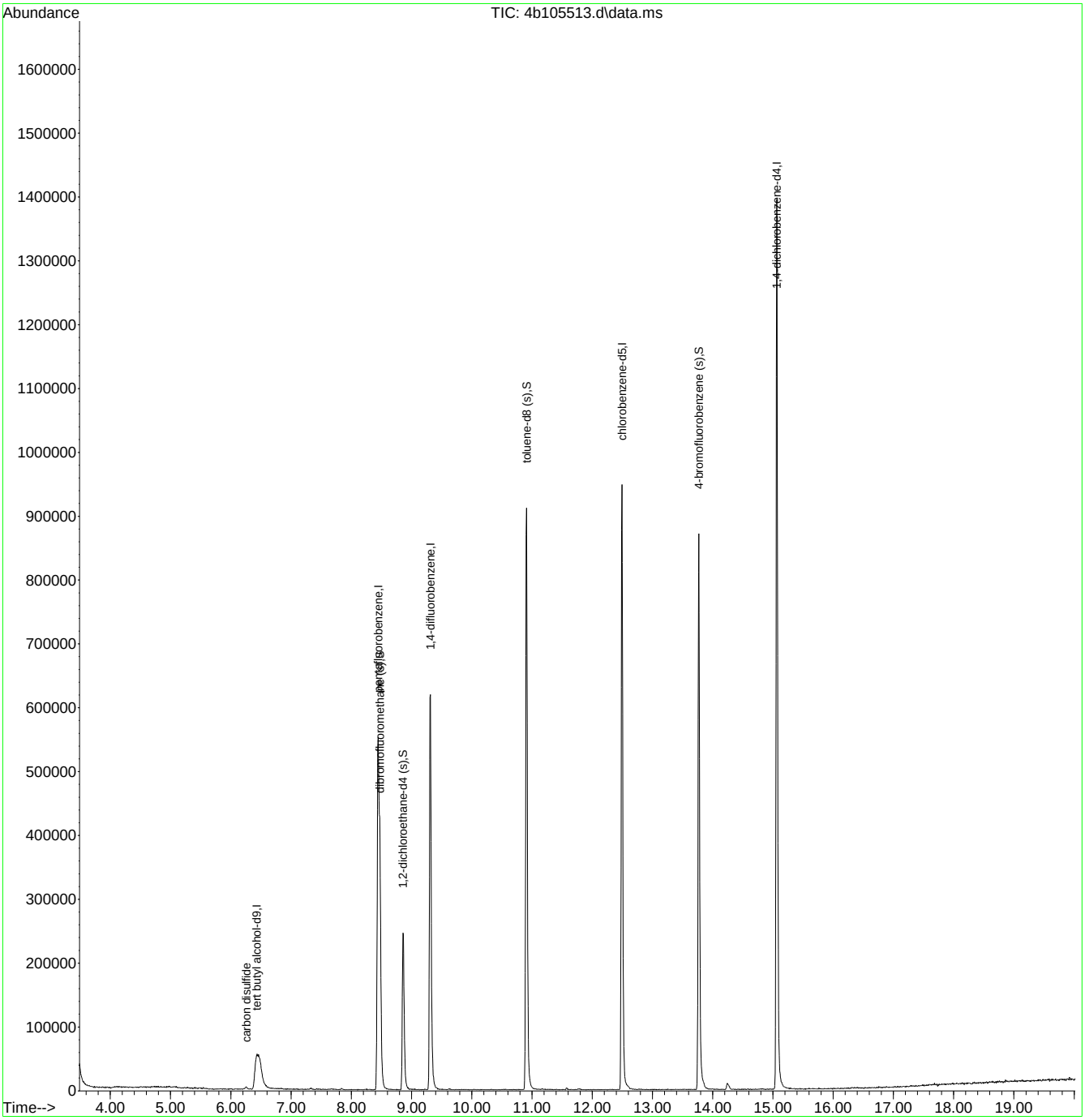
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.427	65	236789	500.00	ug/L	-0.01
5) pentafluorobenzene	8.446	168	475039	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	588990	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	592767	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	435737	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	210677	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	203189	48.33	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.66%			
74) toluene-d8 (s)	10.909	98	685640	47.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.96%			
97) 4-bromofluorobenzene (s)	13.770	95	298447	46.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.28%			
Target Compounds						Qvalue
21) carbon disulfide	6.259	76	6127	0.40	ug/L	92

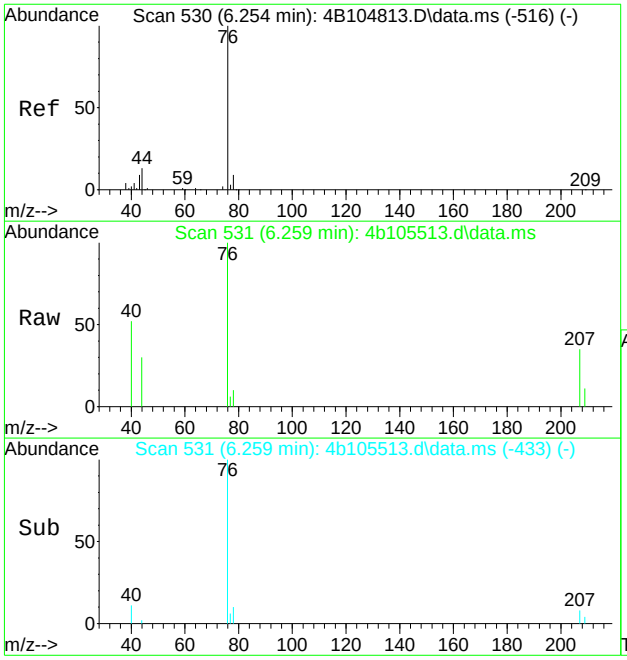
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105513.d
Acq On : 14 Jul 2021 1:49 pm
Operator : brittank
Sample : JD27982-1 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:35:39 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

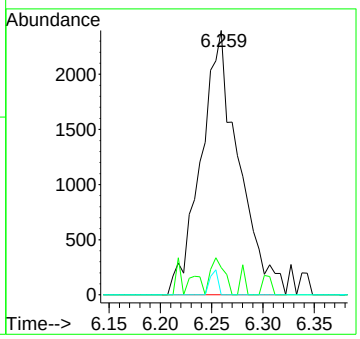




#21
carbon disulfide
Concen: 0.40 ug/L
RT: 6.259 min Scan# 531
Delta R.T. 0.010 min
Lab File: 4b105513.d
Acq: 14 Jul 2021 1:49 pm

Tgt Ion: 76 Resp: 6127

Ion	Ratio	Lower	Upper
76	100		
78	10.3	0.0	38.9
38	0.0	0.0	34.7



Quantitation Report (QT Reviewed)

Data Path : X:\voa-gcms\complete\2021\dayton 202107\07-15-2021\nizele\v4b4570\
Data File : 4b105514.d
Acq On : 14 Jul 2021 2:17 pm
Operator : brittank
Sample : JD27982-2 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 12:36:25 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

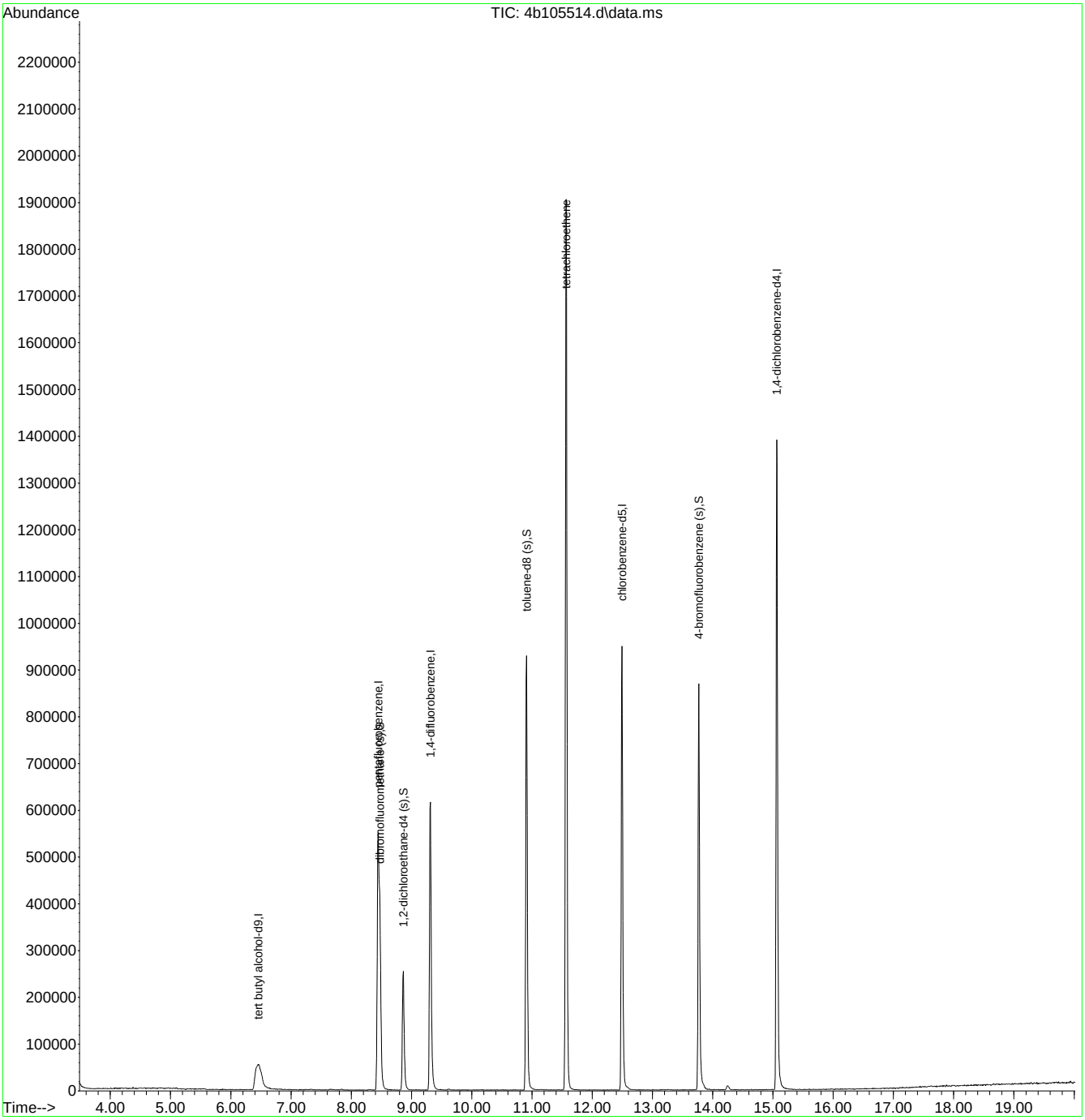
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	234662	500.00	ug/L	0.02
5) pentafluorobenzene	8.445	168	469788	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	581336	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	584450	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	433228	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	206476	49.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.10%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	205088	49.42	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.84%			
74) toluene-d8 (s)	10.909	98	678352	47.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.30%			
97) 4-bromofluorobenzene (s)	13.770	95	293626	46.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.30%			
Target Compounds						Qvalue
79) tetrachloroethene	11.568	164	507074	143.23	ug/L	99

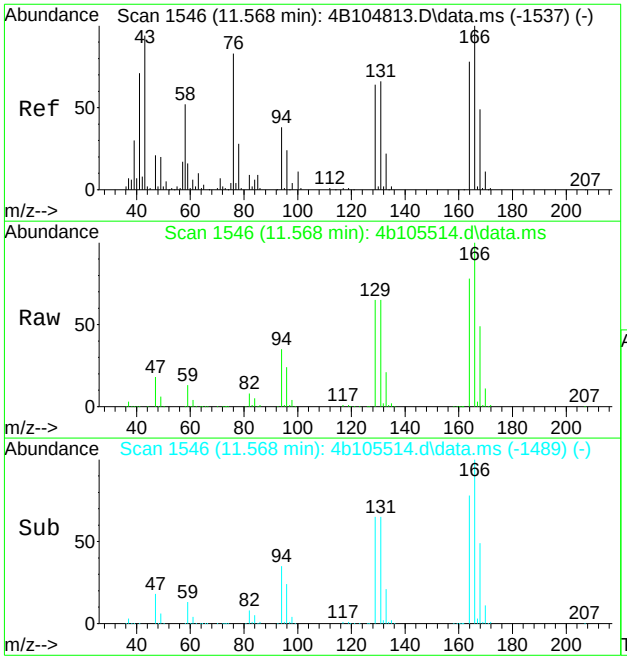
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\voa-gcms\complete\2021\dayton 202107\07-15-2021\nizele\v4b4570\
Data File : 4b105514.d
Acq On : 14 Jul 2021 2:17 pm
Operator : brittank
Sample : JD27982-2 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 12:36:25 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

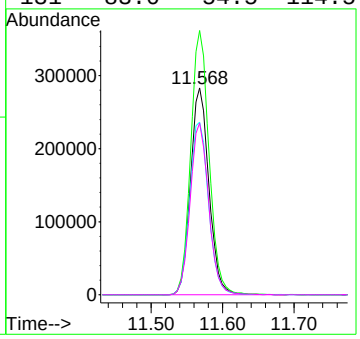




#79
tetrachloroethene
Concen: 143.23 ug/L
RT: 11.568 min Scan# 1546
Delta R.T. -0.000 min
Lab File: 4b105514.d
Acq: 14 Jul 2021 2:17 pm

Tgt Ion:164 Resp: 507074

Ion	Ratio	Lower	Upper
164	100		
166	127.9	97.9	157.9
129	83.5	51.8	111.8
131	83.0	54.5	114.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105515.d
Acq On : 14 Jul 2021 2:45 pm
Operator : brittank
Sample : JD27982-3 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:36:45 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

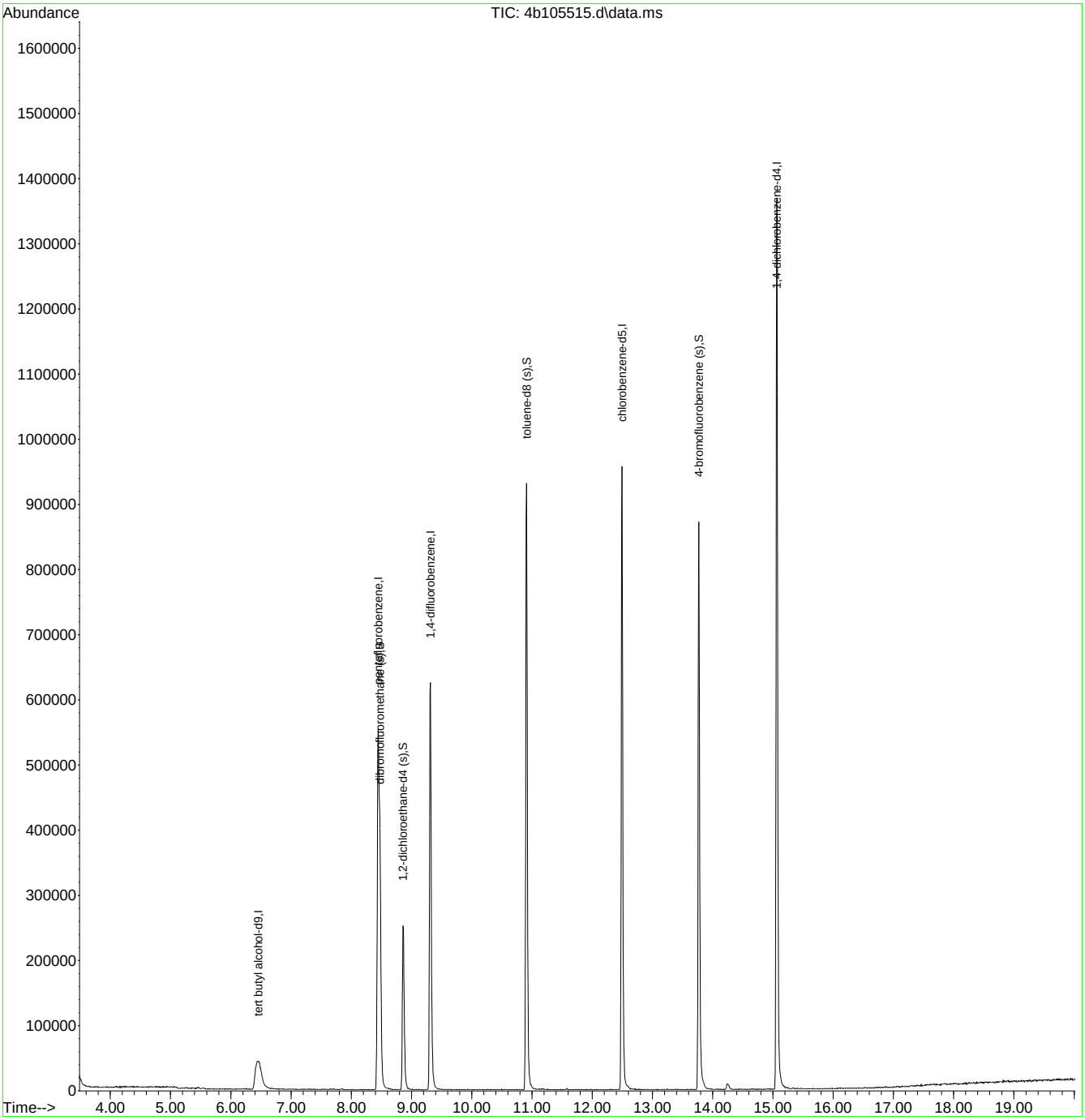
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	186075	500.00	ug/L	0.02
5) pentafluorobenzene	8.445	168	467954	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	589264	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	583334	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	435196	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	210340	50.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.34%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	206682	49.14	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.28%			
74) toluene-d8 (s)	10.909	98	682085	48.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.00%			
97) 4-bromofluorobenzene (s)	13.770	95	294481	46.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.14%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105515.d
Acq On : 14 Jul 2021 2:45 pm
Operator : brittank
Sample : JD27982-3 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:36:45 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105516.d
Acq On : 14 Jul 2021 3:14 pm
Operator : brittank
Sample : JD27982-4 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:06 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

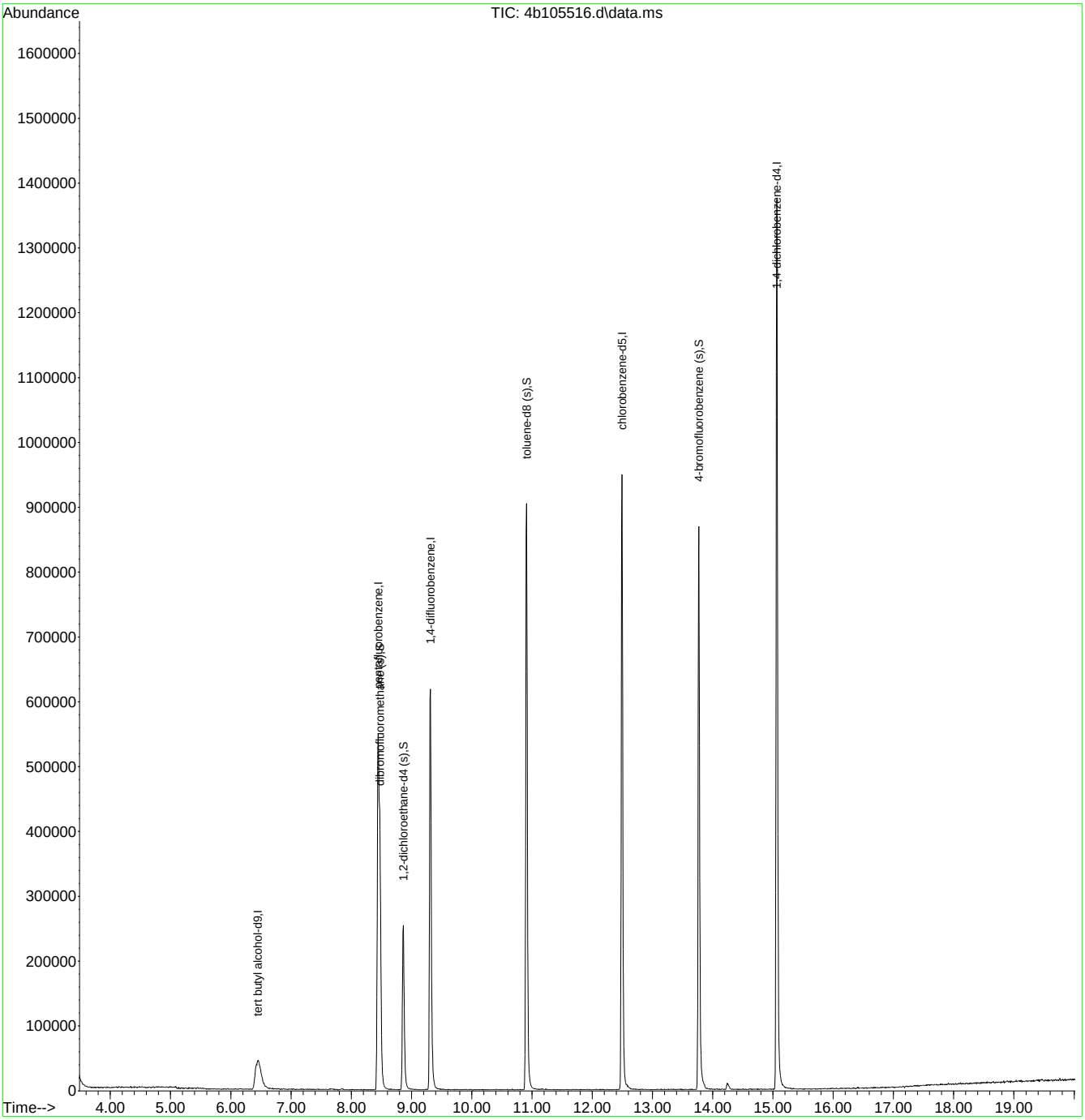
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.448	65	177049	500.00	ug/L	0.01
5) pentafluorobenzene	8.446	168	464922	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	575952	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	586390	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	428723	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	207630	50.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.68%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	204868	49.83	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.66%			
74) toluene-d8 (s)	10.909	98	673984	47.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.36%			
97) 4-bromofluorobenzene (s)	13.770	95	292475	46.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.90%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105516.d
Acq On : 14 Jul 2021 3:14 pm
Operator : brittank
Sample : JD27982-4 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:06 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105517.d
Acq On : 14 Jul 2021 3:42 pm
Operator : brittank
Sample : JD27982-5 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:29 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

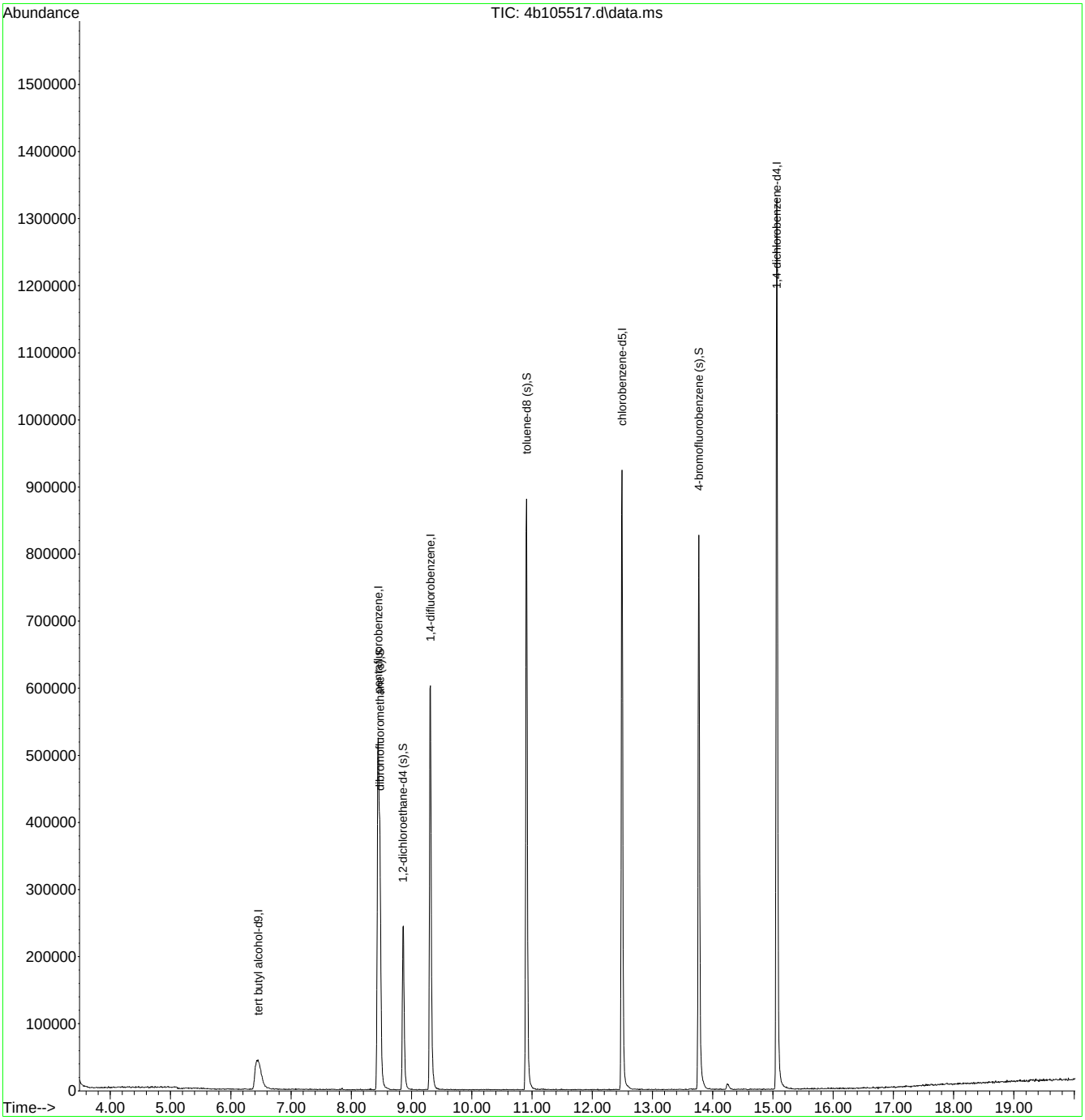
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	179139	500.00	ug/L	0.02
5) pentafluorobenzene	8.445	168	444155	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	559510	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	564098	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	415288	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	197454	50.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.24%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	199108	49.85	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.70%			
74) toluene-d8 (s)	10.909	98	649636	47.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.56%			
97) 4-bromofluorobenzene (s)	13.770	95	283718	46.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.04%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105517.d
Acq On : 14 Jul 2021 3:42 pm
Operator : brittank
Sample : JD27982-5 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:29 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105518.d
Acq On : 14 Jul 2021 4:11 pm
Operator : brittank
Sample : JD27982-6 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:56 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

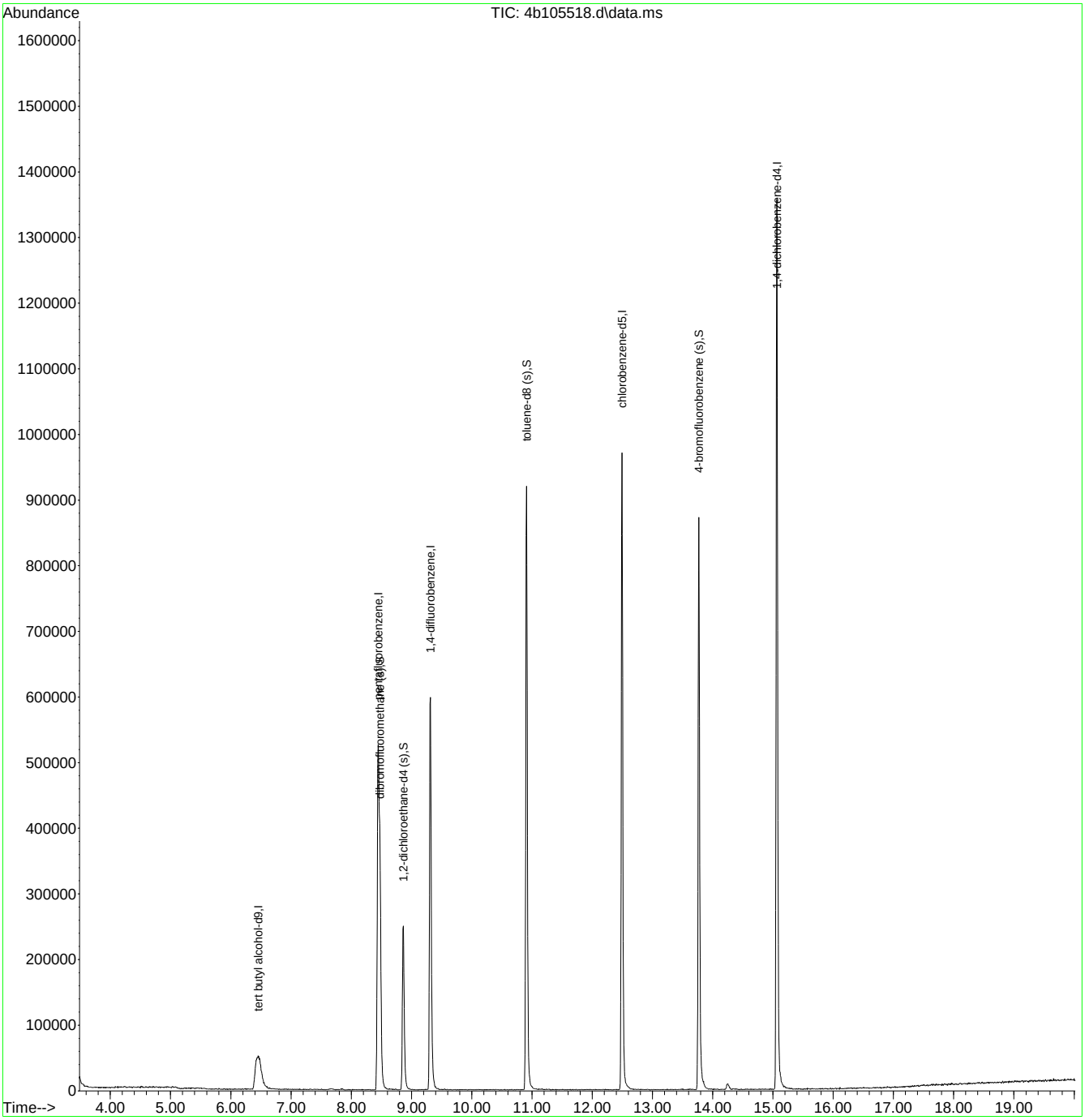
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	209188	500.00	ug/L	0.02
5) pentafluorobenzene	8.446	168	445363	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	564940	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	588486	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	425362	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	200690	50.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.60%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	204353	50.68	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.36%			
74) toluene-d8 (s)	10.909	98	668860	46.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.32%			
97) 4-bromofluorobenzene (s)	13.770	95	294254	47.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.20%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105518.d
Acq On : 14 Jul 2021 4:11 pm
Operator : brittank
Sample : JD27982-6 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:37:56 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105537.d
Acq On : 15 Jul 2021 12:24 pm
Operator : brittank
Sample : JD27982-7 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:46:47 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

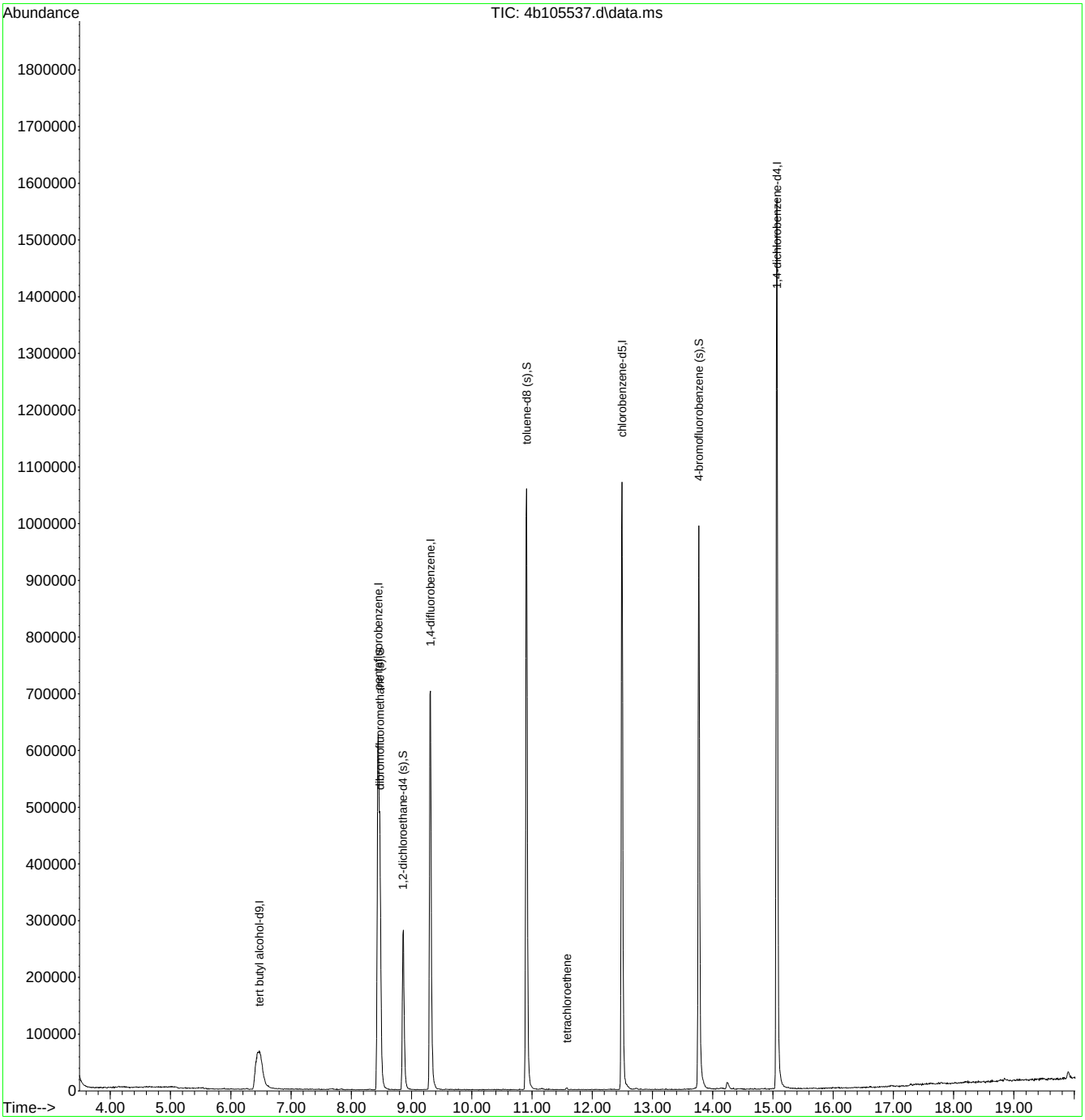
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.474	65	319999	500.00	ug/L	0.04
5) pentafluorobenzene	8.446	168	564203	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	690959	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	688081	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	510884	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	240228	48.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.00%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	222755	45.16	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 90.32%			
74) toluene-d8 (s)	10.909	98	804542	48.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.00%			
97) 4-bromofluorobenzene (s)	13.770	95	338796	45.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.30%			
Target Compounds						Qvalue
79) tetrachloroethene	11.579	164	1014	0.24	ug/L	92

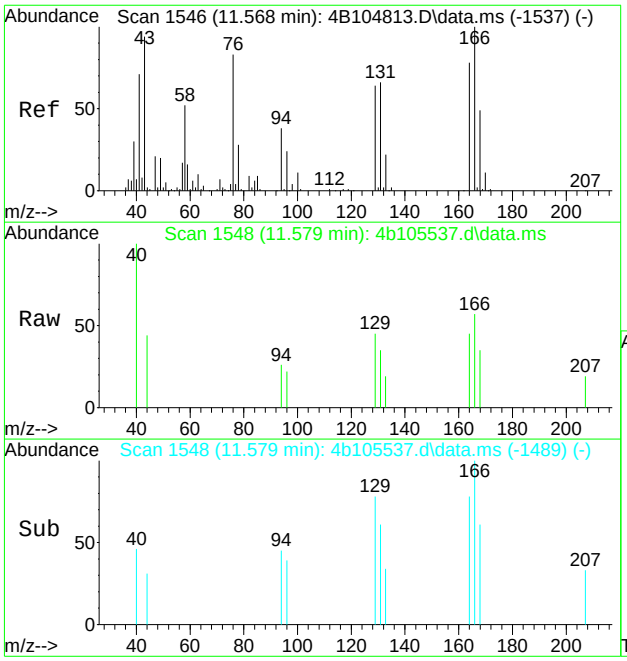
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105537.d
Acq On : 15 Jul 2021 12:24 pm
Operator : brittank
Sample : JD27982-7 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:46:47 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

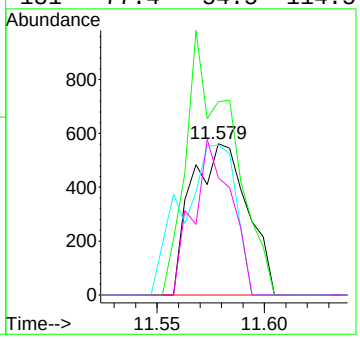




#79
tetrachloroethene
Concen: 0.24 ug/L
RT: 11.579 min Scan# 1548
Delta R.T. 0.011 min
Lab File: 4b105537.d
Acq: 15 Jul 2021 12:24 pm

Tgt Ion:164 Resp: 1014

Ion	Ratio	Lower	Upper
164	100		
166	127.8	97.9	157.9
129	99.1	51.8	111.8
131	77.4	54.5	114.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105538.d
Acq On : 15 Jul 2021 12:52 pm
Operator : brittank
Sample : JD27982-8 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:47:17 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

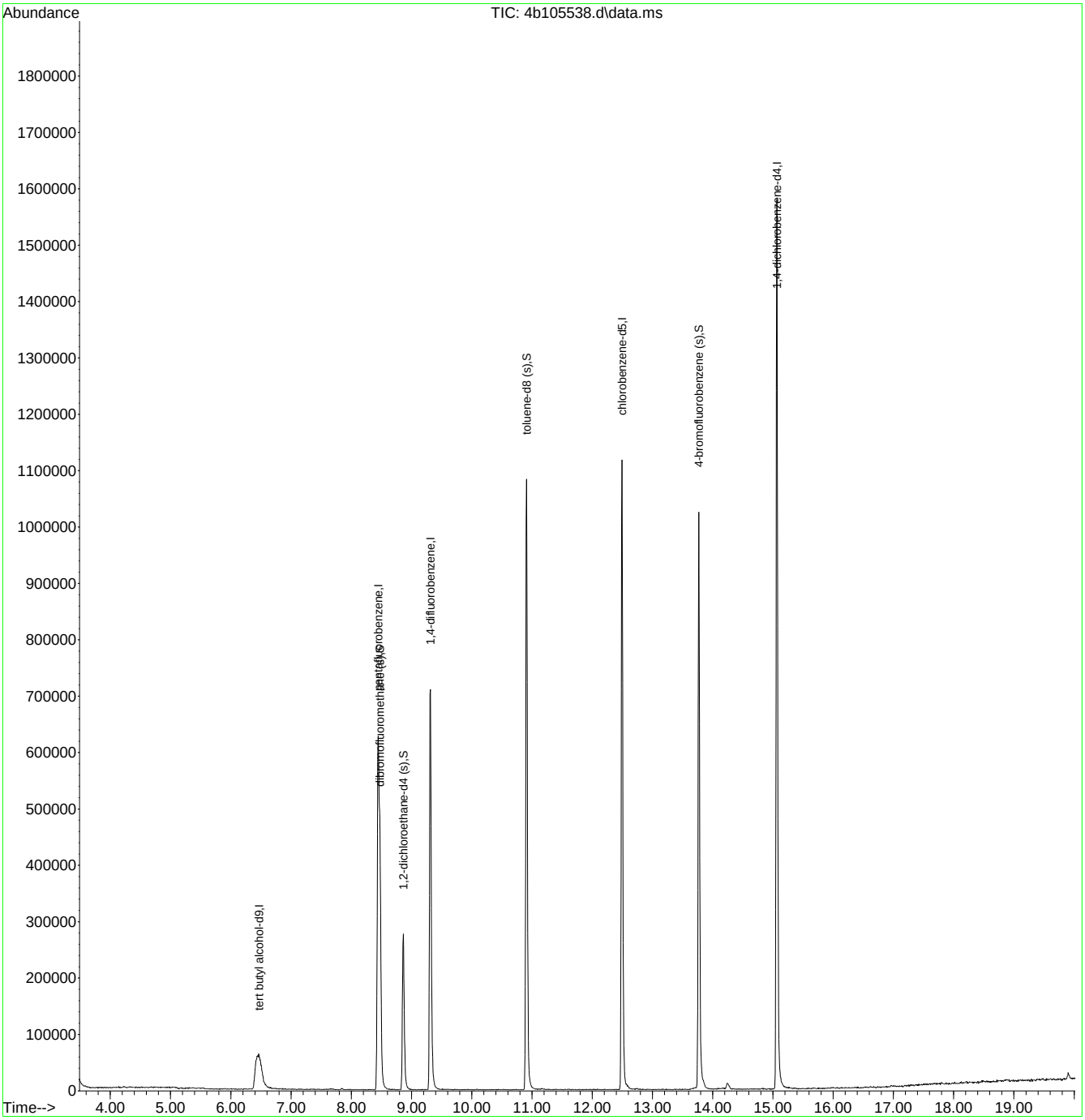
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.469	65	272100	500.00	ug/L	0.03
5) pentafluorobenzene	8.446	168	558058	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	688251	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	703545	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	513733	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	241874	48.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.72%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	223335	45.46	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 90.92%			
74) toluene-d8 (s)	10.909	98	806324	47.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.10%			
97) 4-bromofluorobenzene (s)	13.770	95	347964	46.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.24%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105538.d
Acq On : 15 Jul 2021 12:52 pm
Operator : brittank
Sample : JD27982-8 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:47:17 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105511.d
Acq On : 14 Jul 2021 12:52 pm
Operator : brittank
Sample : JD27982-9 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:34:21 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.448	65	266230	500.00	ug/L	0.01
5) pentafluorobenzene	8.446	168	498042	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	608400	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	610647	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	455614	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	215040	48.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.34%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	207968	47.89	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.78%			
74) toluene-d8 (s)	10.909	98	711008	47.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.60%			
97) 4-bromofluorobenzene (s)	13.770	95	303731	45.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.78%			
Target Compounds						Qvalue

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

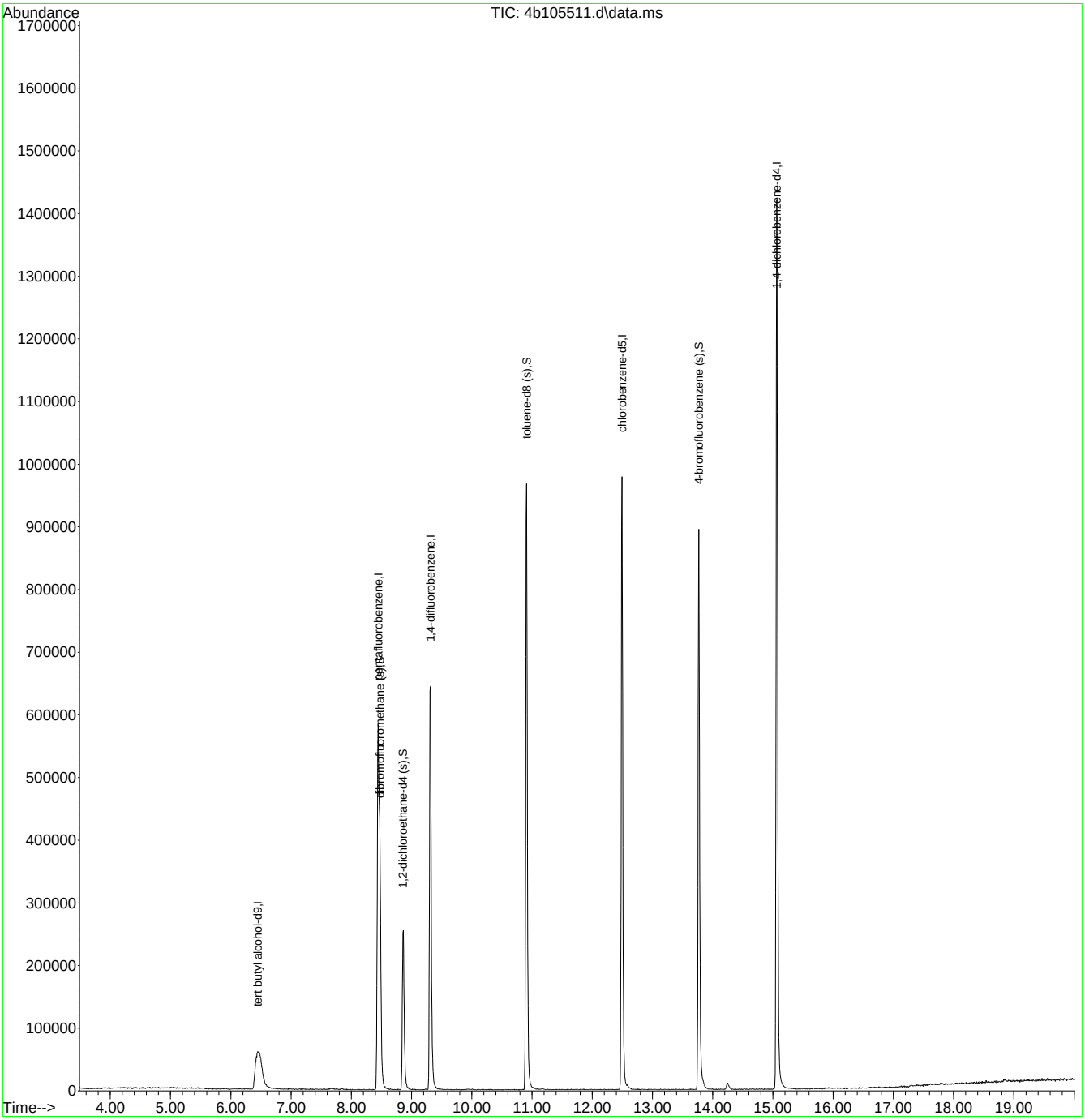
7.1.9

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105511.d
Acq On : 14 Jul 2021 12:52 pm
Operator : brittank
Sample : JD27982-9 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:34:21 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105512.d
Acq On : 14 Jul 2021 1:20 pm
Operator : brittank
Sample : JD27982-10 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:34:57 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

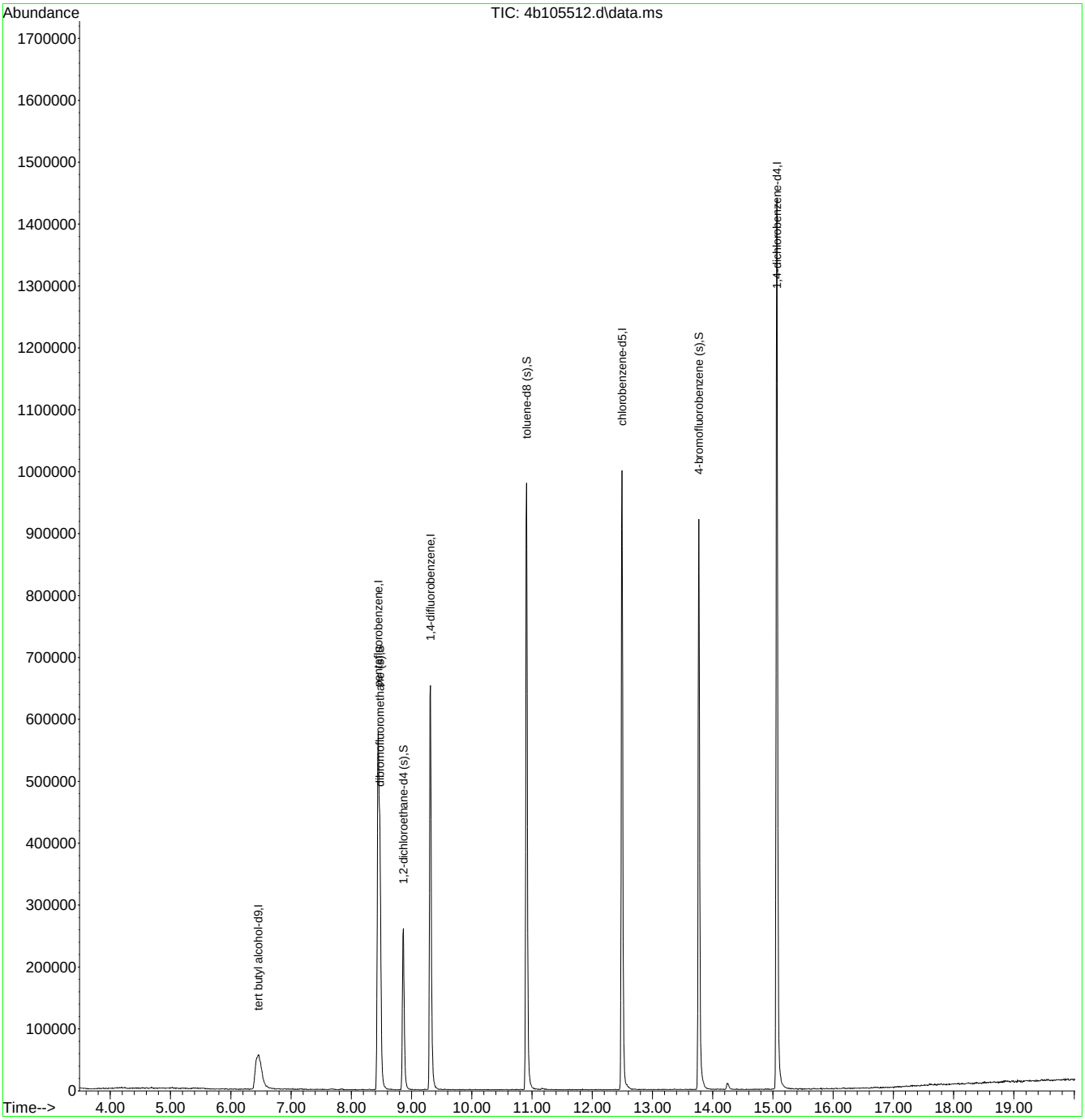
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	235286	500.00	ug/L	0.02
5) pentafluorobenzene	8.446	168	497287	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	611886	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	629757	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	462513	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	217941	49.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.80%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	212227	48.59	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.18%			
74) toluene-d8 (s)	10.909	98	721354	47.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.04%			
97) 4-bromofluorobenzene (s)	13.770	95	311602	45.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.74%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105512.d
Acq On : 14 Jul 2021 1:20 pm
Operator : brittank
Sample : JD27982-10 Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:34:57 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105510.d
Acq On : 14 Jul 2021 12:24 pm
Operator : brittank
Sample : mb Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:33:25 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

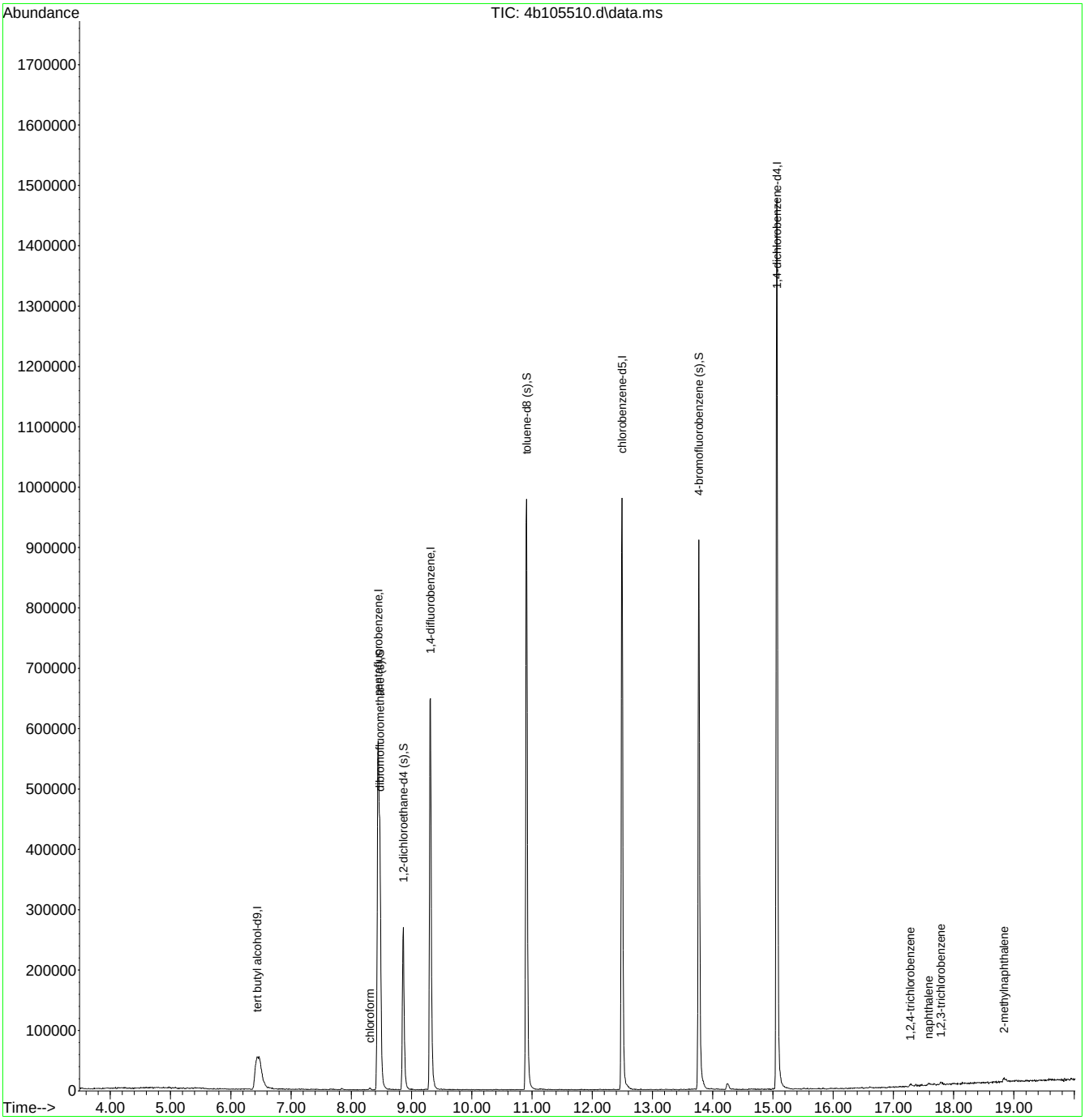
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.437	65	236227	500.00	ug/L	0.00
5) pentafluorobenzene	8.446	168	505886	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	626026	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	625944	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	468658	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	221198	49.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.58%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	211444	47.32	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 94.64%			
74) toluene-d8 (s)	10.909	98	726978	47.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.36%			
97) 4-bromofluorobenzene (s)	13.770	95	310914	45.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.34%			
Target Compounds						Qvalue
42) chloroform	8.310	83	1542	0.21	ug/L #	61
119) 1,2,4-trichlorobenzene	17.280	180	1980	0.16	ug/L	81
121) naphthalene	17.583	128	7183	0.30	ug/L	82
122) 1,2,3-trichlorobenzene	17.787	180	2579	0.24	ug/L	85
123) 2-methylnaphthalene	18.838	142	6254	0.45	ug/L	94

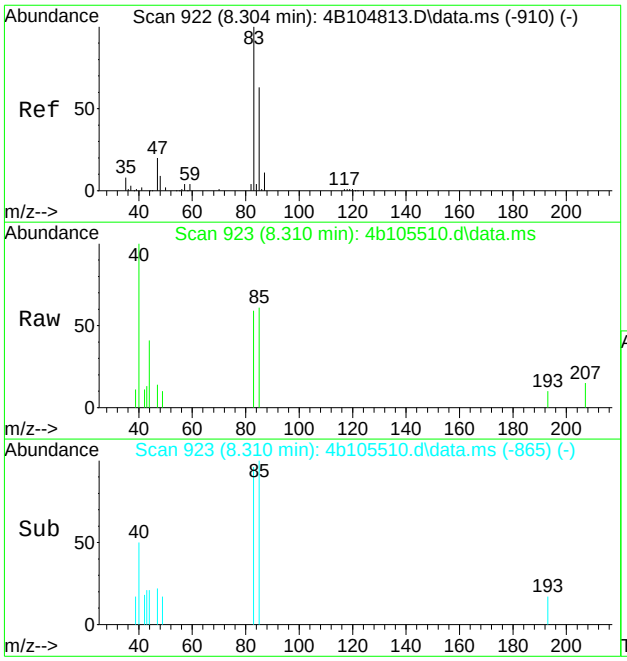
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105510.d
Acq On : 14 Jul 2021 12:24 pm
Operator : brittank
Sample : mb Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:33:25 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

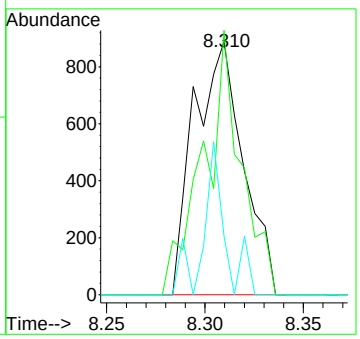


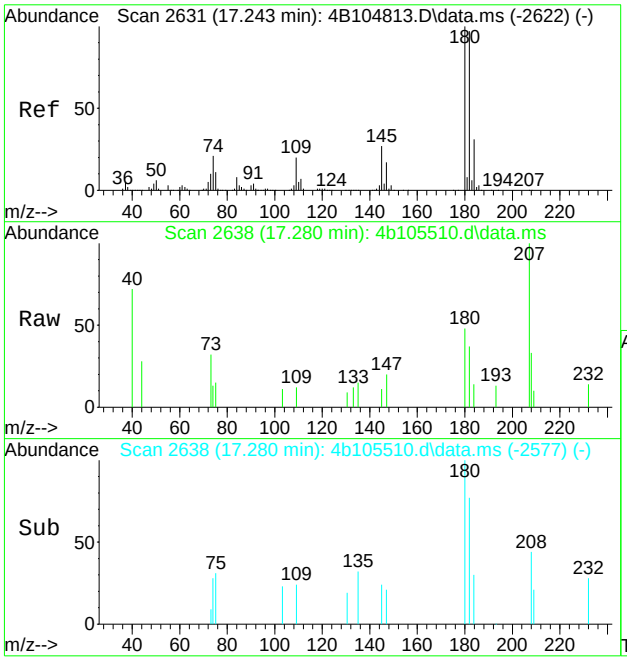


#42
chloroform
Concen: 0.21 ug/L
RT: 8.310 min Scan# 923
Delta R.T. 0.005 min
Lab File: 4b105510.d
Acq: 14 Jul 2021 12:24 pm

Tgt Ion: 83 Resp: 1542

Ion	Ratio	Lower	Upper
83	100		
85	104.4	33.2	93.2#
47	23.3	0.0	52.9

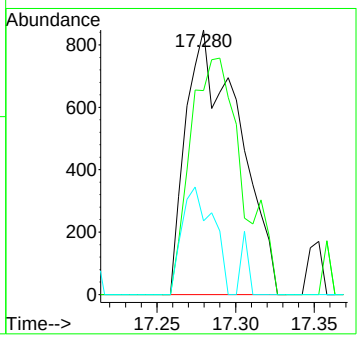


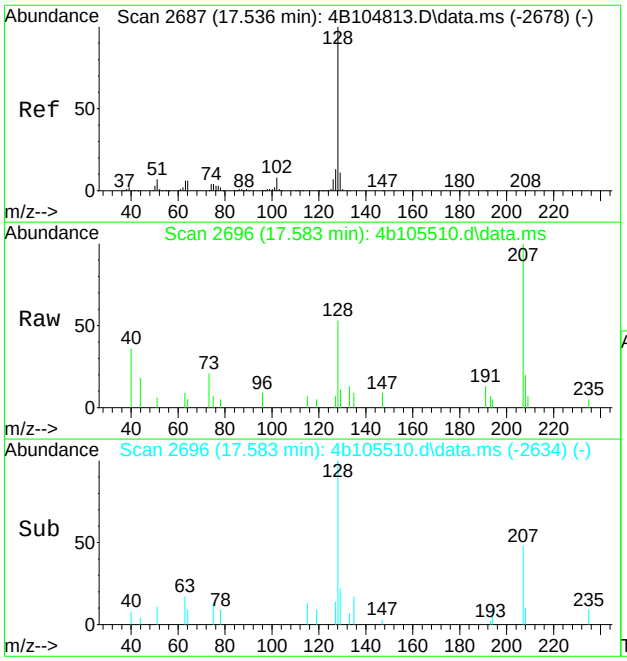


#119
1,2,4-trichlorobenzene
Concen: 0.16 ug/L
RT: 17.280 min Scan# 2638
Delta R.T. 0.021 min
Lab File: 4b105510.d
Acq: 14 Jul 2021 12:24 pm

Tgt Ion:180 Resp: 1980

Ion	Ratio	Lower	Upper
180	100		
182	77.1	67.4	127.4
74	27.8	0.0	51.1

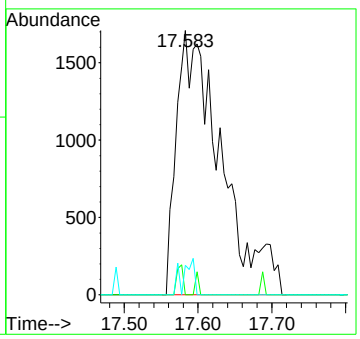


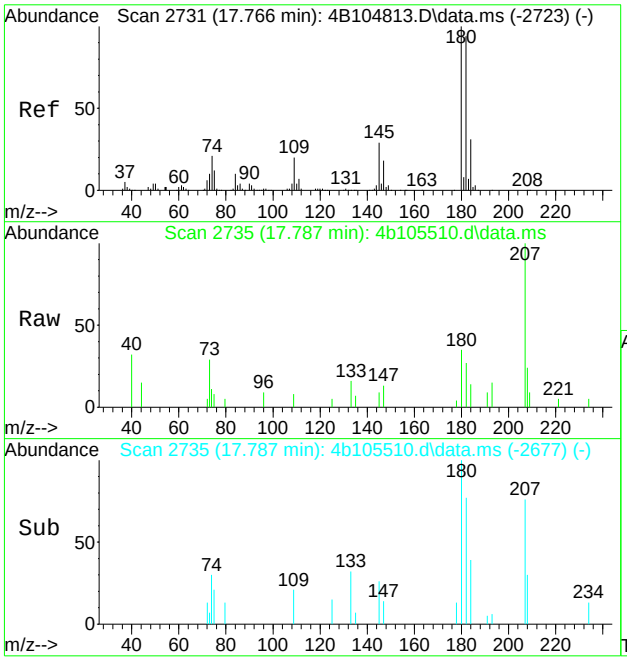


#121
naphthalene
Concen: 0.30 ug/L
RT: 17.583 min Scan# 2696
Delta R.T. 0.026 min
Lab File: 4b105510.d
Acq: 14 Jul 2021 12:24 pm

Tgt Ion:128 Resp: 7183

Ion	Ratio	Lower	Upper
128	100		
102	0.0	0.0	38.0
51	11.2	0.0	36.8

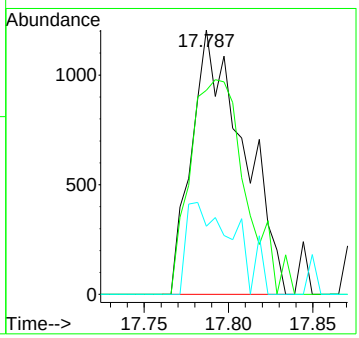


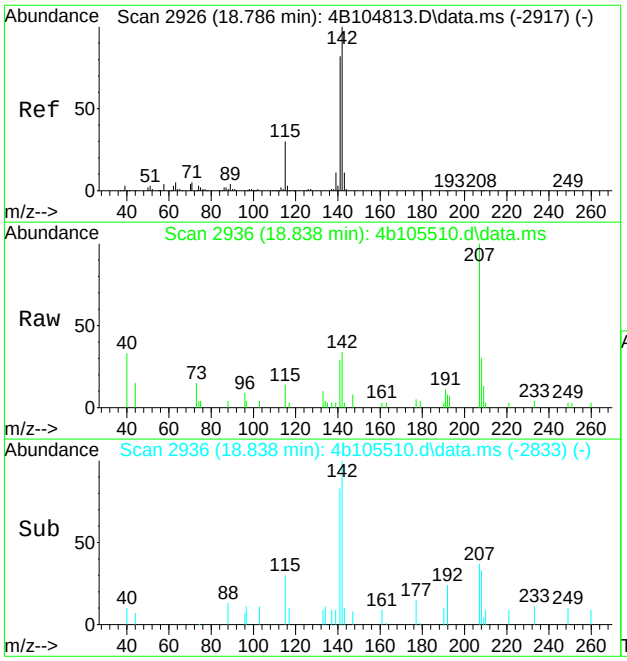


#122
1,2,3-trichlorobenzene
Concen: 0.24 ug/L
RT: 17.787 min Scan# 2735
Delta R.T. 0.005 min
Lab File: 4b105510.d
Acq: 14 Jul 2021 12:24 pm

Tgt Ion:180 Resp: 2579

Ion	Ratio	Lower	Upper
180	100		
182	77.2	64.5	124.5
145	25.8	0.0	59.5

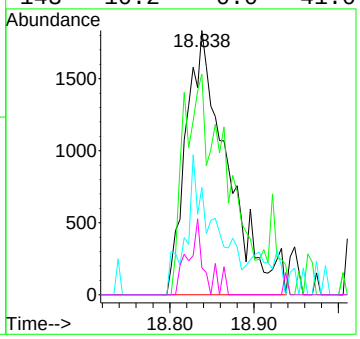




#123
2-methylnaphthalene
Concen: 0.45 ug/L
RT: 18.838 min Scan# 2936
Delta R.T. 0.037 min
Lab File: 4b105510.d
Acq: 14 Jul 2021 12:24 pm

Tgt Ion:142 Resp: 6254

Ion	Ratio	Lower	Upper
142	100		
141	83.4	62.3	102.3
115	40.6	0.0	60.0
143	10.2	0.0	41.0



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105536.d
Acq On : 15 Jul 2021 11:55 am
Operator : brittank
Sample : mb Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:39:43 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

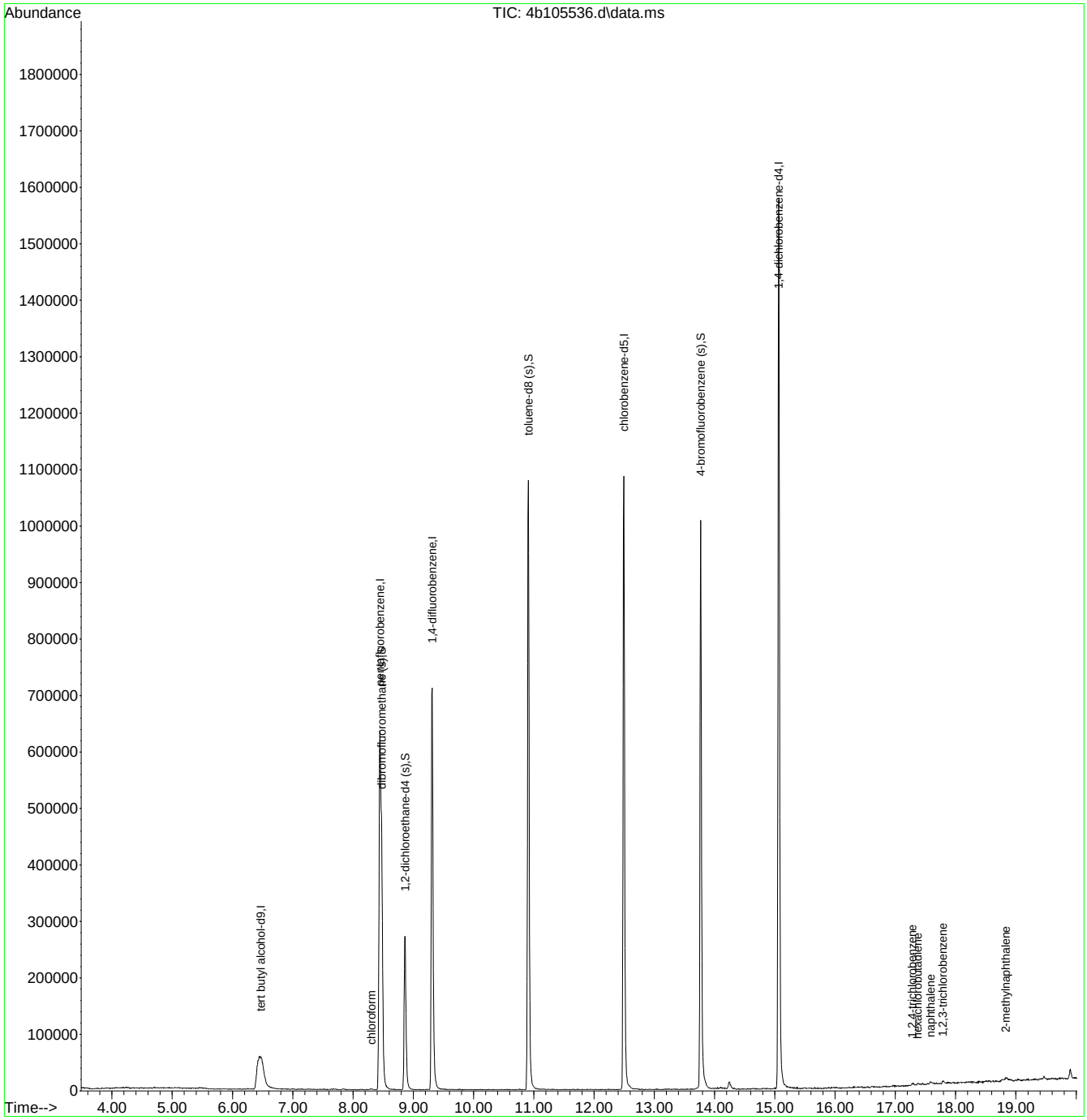
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.468	65	268804	500.00	ug/L	0.03
5) pentafluorobenzene	8.445	168	566196	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	697040	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	697645	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	514880	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	234573	46.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.40%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	218342	43.88	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 87.76%			
74) toluene-d8 (s)	10.909	98	804719	47.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.70%			
97) 4-bromofluorobenzene (s)	13.770	95	343652	45.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.90%			
Target Compounds						Qvalue
42) chloroform	8.304	83	1818	0.22	ug/L	94
119) 1,2,4-trichlorobenzene	17.279	180	2062	0.15	ug/L	87
120) hexachlorobutadiene	17.368	225	681	0.11	ug/L #	44
121) naphthalene	17.583	128	6791	0.26	ug/L	79
122) 1,2,3-trichlorobenzene	17.787	180	2586	0.22	ug/L #	54
123) 2-methylnaphthalene	18.833	142	6739	0.44	ug/L	88

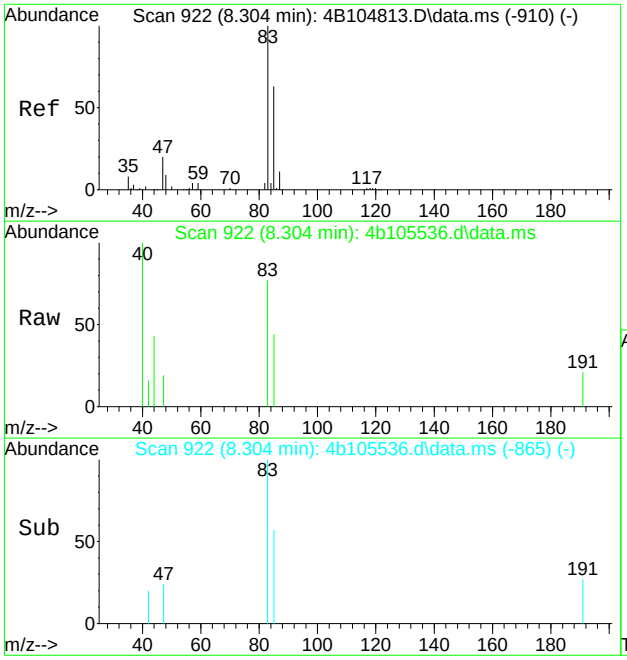
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105536.d
Acq On : 15 Jul 2021 11:55 am
Operator : brittank
Sample : mb Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:39:43 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

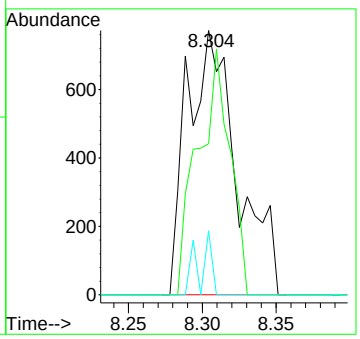


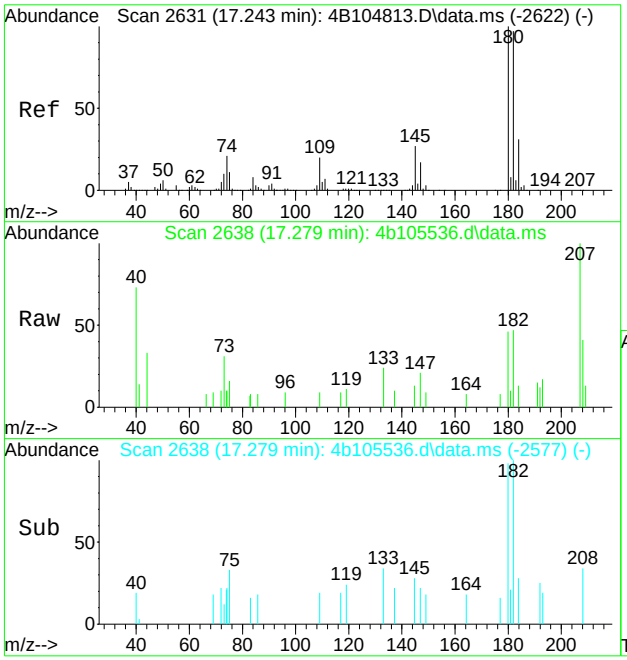


#42
chloroform
Concen: 0.22 ug/L
RT: 8.304 min Scan# 922
Delta R.T. -0.000 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion: 83 Resp: 1818

Ion	Ratio	Lower	Upper
83	100		
85	57.2	33.2	93.2
47	24.2	0.0	52.9

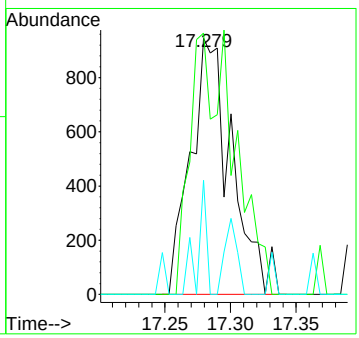


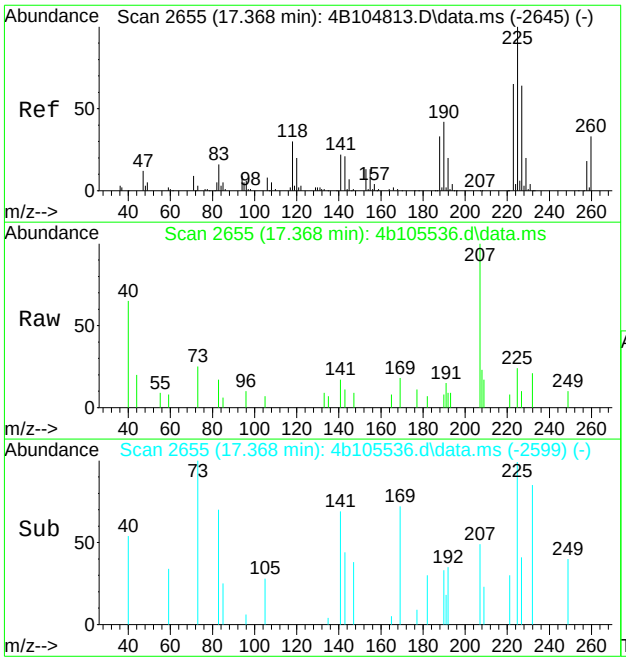


#119
1,2,4-trichlorobenzene
Concen: 0.15 ug/L
RT: 17.279 min Scan# 2638
Delta R.T. 0.021 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion:180 Resp: 2062

Ion	Ratio	Lower	Upper
180	100		
182	101.9	67.4	127.4
74	44.5	0.0	51.1

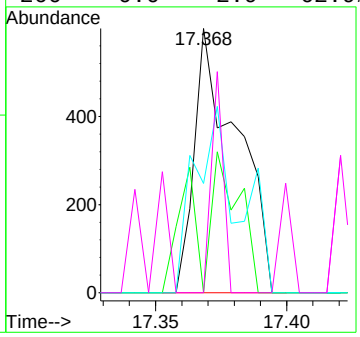


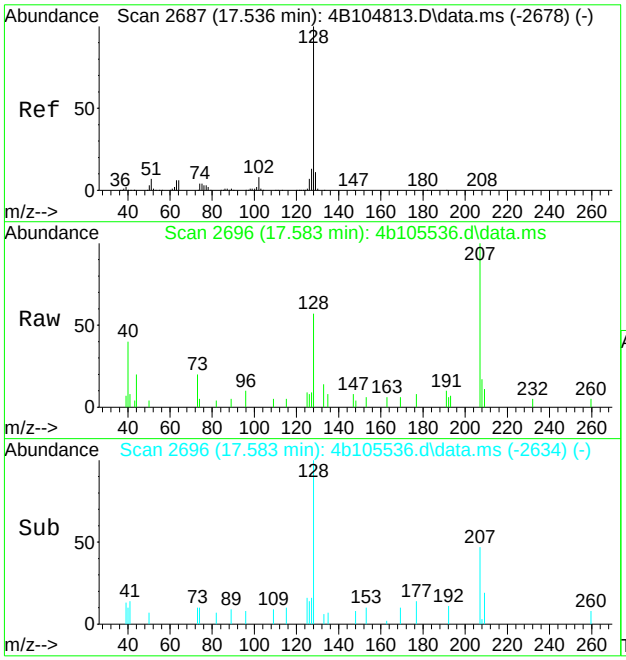


#120
hexachlorobutadiene
Concen: 0.11 ug/L
RT: 17.368 min Scan# 2655
Delta R.T. -0.005 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion:225 Resp: 681

Ion	Ratio	Lower	Upper
225	100		
223	0.0	34.5	94.5#
227	41.3	34.1	94.1
260	0.0	2.9	62.9#

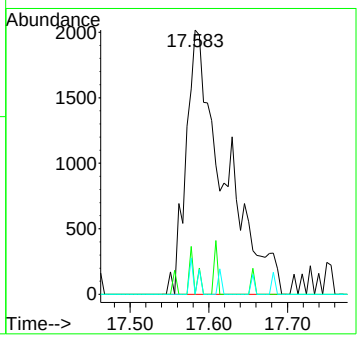


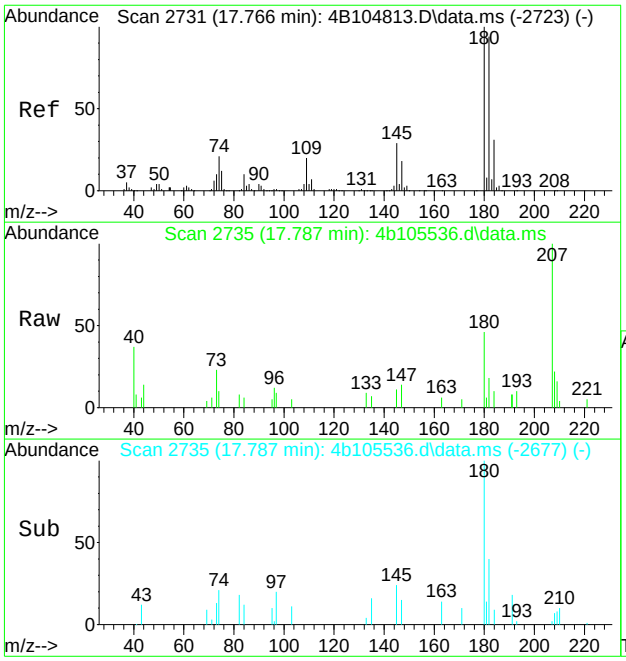


#121
naphthalene
Concen: 0.26 ug/L
RT: 17.583 min Scan# 2696
Delta R.T. 0.026 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion:128 Resp: 6791

Ion	Ratio	Lower	Upper
128	100		
102	0.0	0.0	38.0
51	0.0	0.0	36.8

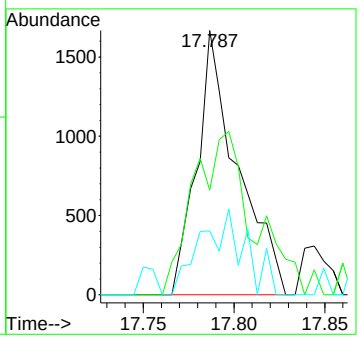


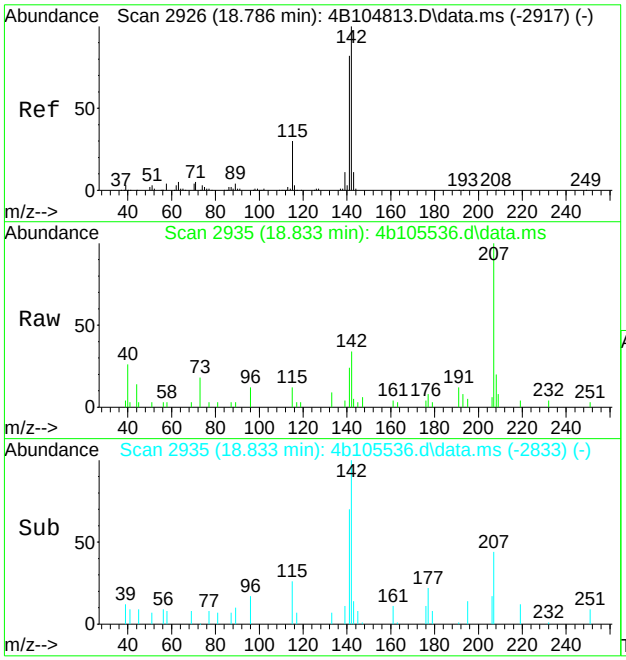


#122
1,2,3-trichlorobenzene
Concen: 0.22 ug/L
RT: 17.787 min Scan# 2735
Delta R.T. 0.005 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion:180 Resp: 2586

Ion	Ratio	Lower	Upper
180	100		
182	39.5	64.5	124.5#
145	24.2	0.0	59.5

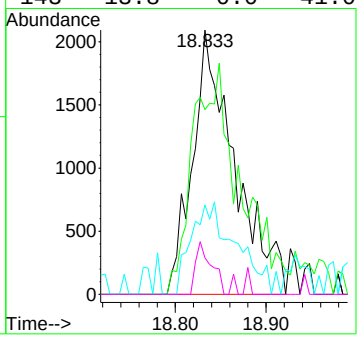




#123
2-methylnaphthalene
Concen: 0.44 ug/L
RT: 18.833 min Scan# 2935
Delta R.T. 0.031 min
Lab File: 4b105536.d
Acq: 15 Jul 2021 11:55 am

Tgt Ion:142 Resp: 6739

Ion	Ratio	Lower	Upper
142	100		
141	69.8	62.3	102.3
115	33.9	0.0	60.0
143	13.8	0.0	41.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105508.d
Acq On : 14 Jul 2021 11:26 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:31:58 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.474	65	219071	500.00	ug/L	0.04
5) pentafluorobenzene	8.445	168	506006	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	633471	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	618290	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	429683	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	218847	48.76	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.52%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	205868	45.53	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 91.06%			
74) toluene-d8 (s)	10.909	98	731643	48.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.16%			
97) 4-bromofluorobenzene (s)	13.765	95	296806	47.03	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.06%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.568	59	135221	302.09	ug/L	90
4) 1,4-dioxane	9.936	88	58347	1445.09	ug/L	90
6) chlorodifluoromethane	3.712	51	314687	39.89	ug/L	97
7) dichlorodifluoromethane	3.696	85	425049	41.89	ug/L	99
8) chloromethane	4.000	50	375330	39.59	ug/L	99
9) vinyl chloride	4.193	62	386344	44.04	ug/L	98
10) 1,3-butadiene	4.209	54	304345	48.95	ug/L	99
11) bromomethane	4.716	94	300517	47.66	ug/L	96
12) chloroethane	4.842	64	177798	45.83	ug/L	97
13) trichlorofluoromethane	5.245	101	495599	52.03	ug/L	98
14) ethyl ether	5.527	74	81760	50.27	ug/L	96
15) acrolein	5.710	56	32220	51.37	ug/L	90
16) freon 113	5.930	151	274023	53.02	ug/L	97
17) 1,1-dichloroethene	5.893	61	321157	50.25	ug/L	96
18) acetone	5.872	58	84368	292.42	ug/L	95
19) acetonitrile	6.217	41	247403	490.78	ug/L	97
20) iodomethane	6.118	142	493463	51.85	ug/L	99
21) carbon disulfide	6.259	76	756929	46.32	ug/L	98
22) methylene chloride	6.484	84	231820	52.07	ug/L	95
23) methyl acetate	6.270	43	117739	45.93	ug/L	92
24) methyl tert butyl ether	6.814	73	585051	50.02	ug/L	98
25) trans-1,2-dichloroethene	6.835	61	292854	49.62	ug/L	96
26) hexane	7.154	56	141328	45.34	ug/L	96
27) di-isopropyl ether	7.331	45	702562	44.92	ug/L	98
28) 2-butanone	7.886	72	79944	291.62	ug/L #	60
29) 1,1-dichloroethane	7.326	63	361194	51.22	ug/L	99
30) chloroprene	7.426	53	269798	50.14	ug/L	98
31) acrylonitrile	6.714	53	60142	53.50	ug/L	95
32) vinyl acetate	7.263	86	29145	55.15	ug/L #	63
33) ethyl tert-butyl ether	7.739	59	697904	49.78	ug/L	97
34) ethyl acetate	7.912	45	23793	48.21	ug/L #	90
35) 2,2-dichloropropane	8.006	77	427616	52.68	ug/L	94
36) cis-1,2-dichloroethene	7.959	96	225259	53.40	ug/L	92
37) propionitrile	7.938	54	233308	528.79	ug/L	96
38) methyl acrylate	7.990	85	25080	56.57	ug/L #	71
39) methacrylonitrile	8.126	67	59833	52.32	ug/L	93
40) bromochloromethane	8.226	128	129516	58.62	ug/L	86
41) tetrahydrofuran	8.262	72	21708	55.02	ug/L	94
42) chloroform	8.304	83	378632	51.66	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105508.d
Acq On : 14 Jul 2021 11:26 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:31:58 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.341	59	221096	56.16	ug/L		97
45) 1,1,1-trichloroethane	8.566	97	462499	52.94	ug/L		98
46) cyclohexane	8.686	84	373565	49.08	ug/L		95
48) 1,1-dichloropropene	8.712	75	257929	52.33	ug/L		98
49) carbon tetrachloride	8.754	117	423253	53.95	ug/L		99
50) tert-amyl alcohol	8.817	73	55243	277.37	ug/L	#	88
51) isopropyl acetate	8.843	87	38081	57.27	ug/L	#	51
54) n-butyl alcohol	9.340	41	188083	2227.24	ug/L		95
55) 2,2,4-trimethylpentane	9.042	57	872839	59.93	ug/L		98
56) benzene	8.937	78	736491	51.54	ug/L		98
57) tert-amyl methyl ether	9.016	73	704981	52.23	ug/L		97
58) heptane	9.188	57	143405	52.30	ug/L		89
59) 1,2-dichloroethane	8.942	62	254408	49.26	ug/L		100
60) ethyl acrylate	9.586	55	187347	51.84	ug/L		98
61) trichloroethene	9.617	95	199714	53.02	ug/L		91
62) 2-chloroethyl vinyl ether	10.360	63	546110	271.57	ug/L		97
63) methyl methacrylate	9.842	100	41294	56.51	ug/L	#	85
64) methylcyclohexane	9.920	83	447731	51.73	ug/L		95
65) 1,2-dichloropropane	9.879	63	193312	48.52	ug/L		100
66) dibromomethane	9.983	93	126907	55.04	ug/L		93
67) bromodichloromethane	10.130	83	276142	53.29	ug/L		97
68) 2-nitropropane	10.302	41	42835	59.43	ug/L		99
69) epichlorohydrin	10.438	57	85843	268.68	ug/L		96
70) cis-1,3-dichloropropene	10.585	75	316699	55.14	ug/L		95
71) 4-methyl-2-pentanone	10.674	58	289800	212.70	ug/L		91
72) isoamyl alcohol	10.679	70	115577	1129.73	ug/L		94
75) toluene	10.982	92	481708	54.02	ug/L		99
76) ethyl methacrylate	11.160	69	201085	53.07	ug/L		95
77) trans-1,3-dichloropropene	11.160	75	283050	57.98	ug/L		91
78) 1,1,2-trichloroethane	11.385	83	144672	56.09	ug/L		95
79) tetrachloroethene	11.568	164	214517	57.28	ug/L		98
80) 2-hexanone	11.557	58	254752	234.71	ug/L		90
81) 1,3-dichloropropane	11.573	76	266391	54.70	ug/L		95
82) butyl acetate	11.652	56	109644	52.57	ug/L		96
83) dibromochloromethane	11.840	129	249865	59.65	ug/L		98
84) 1,2-dibromoethane	12.002	107	194101	56.76	ug/L		99
85) n-butyl ether	12.499	57	898759	51.14	ug/L		97
86) chlorobenzene	12.525	112	584900	55.62	ug/L		97
87) 1,1,1,2-tetrachloroethane	12.593	131	302064	57.87	ug/L		99
88) ethylbenzene	12.598	91	993799	52.97	ug/L		99
89) m,p-xylene	12.729	106	794901	109.89	ug/L		98
90) o-xylene	13.163	91	901823	53.65	ug/L		99
91) styrene	13.179	104	606147	56.94	ug/L		98
92) butyl acrylate	12.980	55	368379	51.55	ug/L		96
93) isopropylbenzene	13.550	105	1223547	53.84	ug/L		99
94) bromoform	13.419	173	213443	64.89	ug/L		100
95) cis-1,4-dichloro-2-butene	13.571	88	38663	38.66	ug/L		96
98) 1,1,2,2-tetrachloroethane	13.838	83	275580	54.34	ug/L		95
99) trans-1,4-dichloro-2-b...	13.874	53	31289	35.74	ug/L		92
100) 1,2,3-trichloropropane	13.932	110	76210	56.20	ug/L		87
101) bromobenzene	13.963	156	331148	55.81	ug/L		97
102) n-propylbenzene	14.010	91	1337901	52.35	ug/L		99
103) 2-chlorotoluene	14.152	126	301911	55.15	ug/L		92
104) 4-chlorotoluene	14.272	91	778546	53.86	ug/L		97
105) 1,3,5-trimethylbenzene	14.188	105	1035905	52.90	ug/L		99
106) tert-butylbenzene	14.560	119	887550	56.31	ug/L		98
107) 1,2,4-trimethylbenzene	14.617	105	1075113	52.98	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105508.d
Acq On : 14 Jul 2021 11:26 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:31:58 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

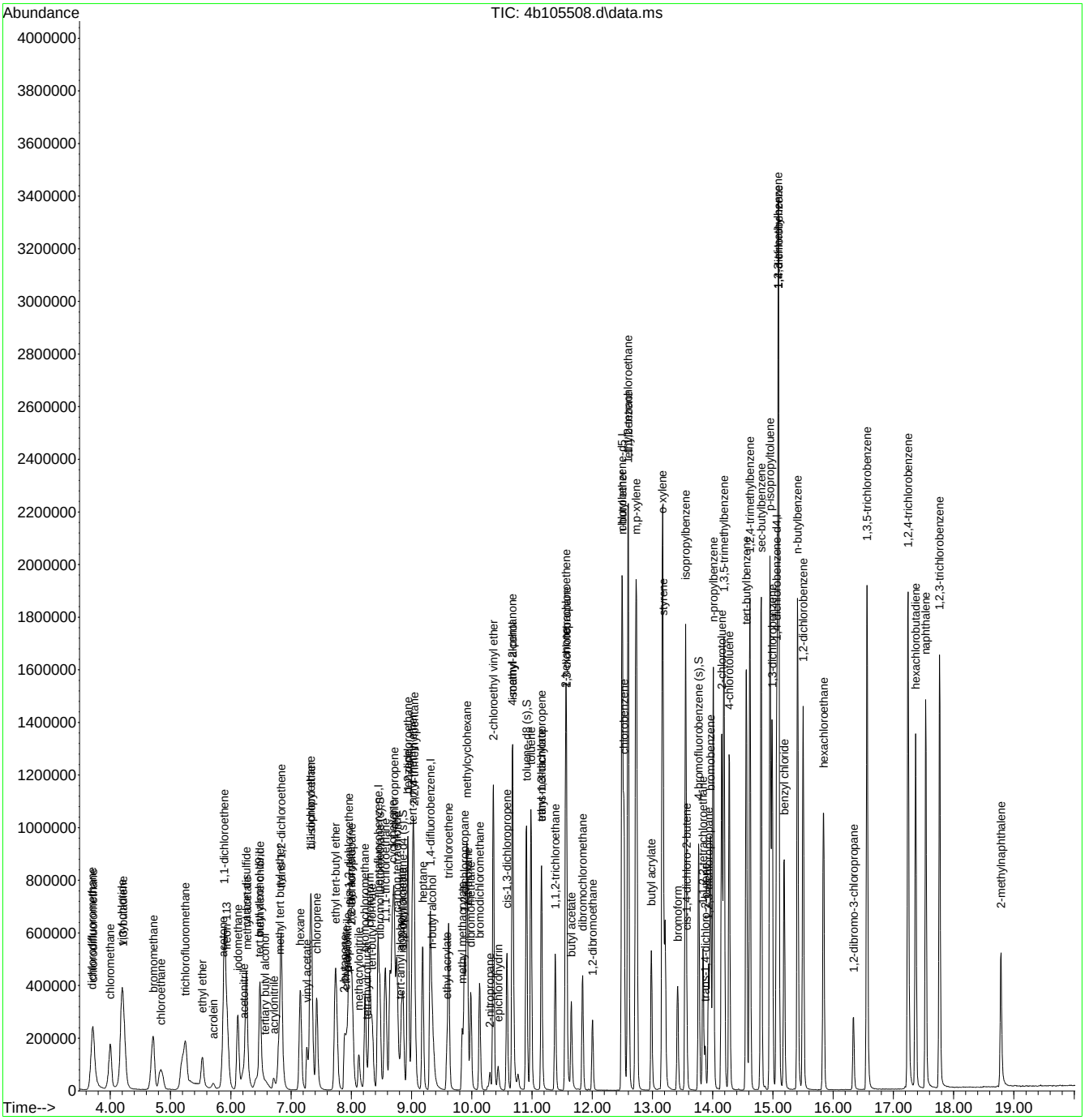
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.805	105	1410531	55.12	ug/L	98
109) p-isopropyltoluene	14.952	119	1257761	54.62	ug/L	98
110) 1,3-dichlorobenzene	14.988	146	635641	55.22	ug/L	97
111) 1,2,3-trimethylbenzene	15.088	105	1179615	55.21	ug/L	100
112) 1,4-dichlorobenzene	15.093	146	652278	54.66	ug/L	97
113) 1,2-dichlorobenzene	15.501	146	691239	56.27	ug/L	98
114) benzyl chloride	15.187	91	686437	63.37	ug/L	96
115) n-butylbenzene	15.407	92	616964	55.09	ug/L	99
116) hexachloroethane	15.841	201	240910	55.16	ug/L	97
117) 1,2-dibromo-3-chloropr...	16.338	157	99937	64.39	ug/L	94
118) 1,3,5-trichlorobenzene	16.563	180	732883	62.87	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	684083	61.17	ug/L	98
120) hexachlorobutadiene	17.368	225	323461	60.57	ug/L	97
121) naphthalene	17.536	128	1233109	57.08	ug/L	99
122) 1,2,3-trichlorobenzene	17.766	180	614180	61.90	ug/L	97
123) 2-methylnaphthalene	18.786	142	332115	25.84	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105508.d
Acq On : 14 Jul 2021 11:26 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:31:58 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105534.d
Acq On : 15 Jul 2021 10:58 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:40:52 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.484	65	252576	500.00	ug/L		0.05
5) pentafluorobenzene	8.445	168	563994	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	698291	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	687158	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.062	152	478789	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	240853	48.14	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.28%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	216942	43.52	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 87.04%				
74) toluene-d8 (s)	10.909	98	801531	47.88	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.76%				
97) 4-bromofluorobenzene (s)	13.765	95	326320	46.41	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.82%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.563	59	136423	264.35	ug/L		99
4) 1,4-dioxane	9.952	88	58877	1264.78	ug/L		83
6) chlorodifluoromethane	3.707	51	292226	33.23	ug/L		99
7) dichlorodifluoromethane	3.702	85	418515	37.00	ug/L		99
8) chloromethane	4.000	50	415645	39.34	ug/L		98
9) vinyl chloride	4.193	62	430247	44.00	ug/L		99
10) 1,3-butadiene	4.204	54	283223	40.87	ug/L		99
11) bromomethane	4.706	94	331639	47.19	ug/L		97
12) chloroethane	4.837	64	194807	45.05	ug/L		97
13) trichlorofluoromethane	5.245	101	534843	50.38	ug/L		98
14) ethyl ether	5.532	74	83897	46.28	ug/L		92
15) acrolein	5.705	56	34910	49.94	ug/L		86
16) freon 113	5.930	151	274178	47.59	ug/L		97
17) 1,1-dichloroethene	5.898	61	313146	43.96	ug/L		95
18) acetone	5.867	58	97407	302.90	ug/L	#	85
19) acetonitrile	6.223	41	249872	444.72	ug/L		93
20) iodomethane	6.113	142	496515	46.81	ug/L		96
21) carbon disulfide	6.254	76	747605	41.05	ug/L		99
22) methylene chloride	6.484	84	234864	47.33	ug/L		95
23) methyl acetate	6.270	43	117612	41.17	ug/L		98
24) methyl tert butyl ether	6.808	73	587842	45.09	ug/L		99
25) trans-1,2-dichloroethene	6.835	61	291484	44.31	ug/L		95
26) hexane	7.154	56	144626	41.63	ug/L		97
27) di-isopropyl ether	7.331	45	701893	40.26	ug/L		96
28) 2-butanone	7.886	72	86312	282.48	ug/L	#	56
29) 1,1-dichloroethane	7.326	63	367689	46.78	ug/L		98
30) chloroprene	7.426	53	267077	44.53	ug/L		96
31) acrylonitrile	6.714	53	66251	52.87	ug/L		97
32) vinyl acetate	7.263	86	31300	53.14	ug/L	#	57
33) ethyl tert-butyl ether	7.745	59	698554	44.70	ug/L		95
34) ethyl acetate	7.907	45	24803	45.09	ug/L	#	48
35) 2,2-dichloropropane	8.006	77	421961	46.64	ug/L		94
36) cis-1,2-dichloroethene	7.964	96	230250	48.97	ug/L		89
37) propionitrile	7.938	54	238401	484.78	ug/L		98
38) methyl acrylate	7.996	85	25320	51.40	ug/L	#	60
39) methacrylonitrile	8.132	67	62041	48.68	ug/L		85
40) bromochloromethane	8.231	128	129851	52.72	ug/L		86
41) tetrahydrofuran	8.262	72	22445	51.04	ug/L	#	84
42) chloroform	8.304	83	379290	46.43	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105534.d
Acq On : 15 Jul 2021 10:58 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:40:52 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.346	59	216156	49.26	ug/L		98
45) 1,1,1-trichloroethane	8.566	97	454041	46.62	ug/L		98
46) cyclohexane	8.686	84	428184	50.47	ug/L		91
48) 1,1-dichloropropene	8.712	75	257347	46.85	ug/L		94
49) carbon tetrachloride	8.759	117	416124	47.59	ug/L		98
50) tert-amyl alcohol	8.812	73	55009	247.80	ug/L		91
51) isopropyl acetate	8.838	87	38278	51.65	ug/L	#	76
54) n-butyl alcohol	9.345	41	200626	2155.24	ug/L		98
55) 2,2,4-trimethylpentane	9.042	57	878367	54.71	ug/L		95
56) benzene	8.937	78	744212	47.24	ug/L		98
57) tert-amyl methyl ether	9.016	73	712187	47.86	ug/L		97
58) heptane	9.183	57	145287	48.07	ug/L		89
59) 1,2-dichloroethane	8.942	62	249196	43.77	ug/L		96
60) ethyl acrylate	9.586	55	187623	47.10	ug/L		99
61) trichloroethene	9.617	95	202038	48.66	ug/L		94
62) 2-chloroethyl vinyl ether	10.360	63	546735	246.65	ug/L		96
63) methyl methacrylate	9.842	100	43660	54.20	ug/L	#	71
64) methylcyclohexane	9.920	83	455612	47.75	ug/L		94
65) 1,2-dichloropropane	9.879	63	194568	44.30	ug/L		98
66) dibromomethane	9.983	93	127122	50.02	ug/L		92
67) bromodichloromethane	10.130	83	274952	48.13	ug/L		99
68) 2-nitropropane	10.302	41	41964	52.82	ug/L		97
69) epichlorohydrin	10.438	57	89192	253.25	ug/L		99
70) cis-1,3-dichloropropene	10.585	75	317549	50.16	ug/L		93
71) 4-methyl-2-pentanone	10.679	58	295854	196.99	ug/L		88
72) isoamyl alcohol	10.679	70	126541	1122.08	ug/L		90
75) toluene	10.982	92	484015	48.84	ug/L		97
76) ethyl methacrylate	11.160	69	205073	48.70	ug/L		93
77) trans-1,3-dichloropropene	11.155	75	283082	52.18	ug/L		93
78) 1,1,2-trichloroethane	11.385	83	143941	50.22	ug/L		97
79) tetrachloroethene	11.568	164	215674	51.82	ug/L		97
80) 2-hexanone	11.557	58	276989	229.62	ug/L	#	85
81) 1,3-dichloropropane	11.573	76	266814	49.30	ug/L		91
82) butyl acetate	11.652	56	115274	49.73	ug/L		99
83) dibromochloromethane	11.840	129	252562	54.25	ug/L		99
84) 1,2-dibromoethane	12.007	107	193875	51.01	ug/L		93
85) n-butyl ether	12.499	57	926658	47.45	ug/L		97
86) chlorobenzene	12.525	112	598046	51.17	ug/L		98
87) 1,1,1,2-tetrachloroethane	12.593	131	300494	51.80	ug/L		98
88) ethylbenzene	12.598	91	1011136	48.50	ug/L		98
89) m,p-xylene	12.729	106	809711	100.72	ug/L		95
90) o-xylene	13.163	91	903913	48.39	ug/L		99
91) styrene	13.179	104	624865	52.81	ug/L		97
92) butyl acrylate	12.980	55	380829	47.95	ug/L		95
93) isopropylbenzene	13.550	105	1248223	49.42	ug/L		99
94) bromoform	13.419	173	216497	59.22	ug/L		99
95) cis-1,4-dichloro-2-butene	13.571	88	44084	39.62	ug/L		92
98) 1,1,2,2-tetrachloroethane	13.838	83	278457	49.28	ug/L		97
99) trans-1,4-dichloro-2-b...	13.874	53	35949	36.79	ug/L		88
100) 1,2,3-trichloropropane	13.932	110	77122	51.04	ug/L		97
101) bromobenzene	13.963	156	338646	51.22	ug/L		98
102) n-propylbenzene	14.010	91	1357814	47.68	ug/L		98
103) 2-chlorotoluene	14.152	126	308713	50.61	ug/L		90
104) 4-chlorotoluene	14.277	91	783844	48.66	ug/L		96
105) 1,3,5-trimethylbenzene	14.188	105	1046694	47.97	ug/L		99
106) tert-butylbenzene	14.560	119	881542	50.19	ug/L		98
107) 1,2,4-trimethylbenzene	14.617	105	1083805	47.93	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105534.d
Acq On : 15 Jul 2021 10:58 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:40:52 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

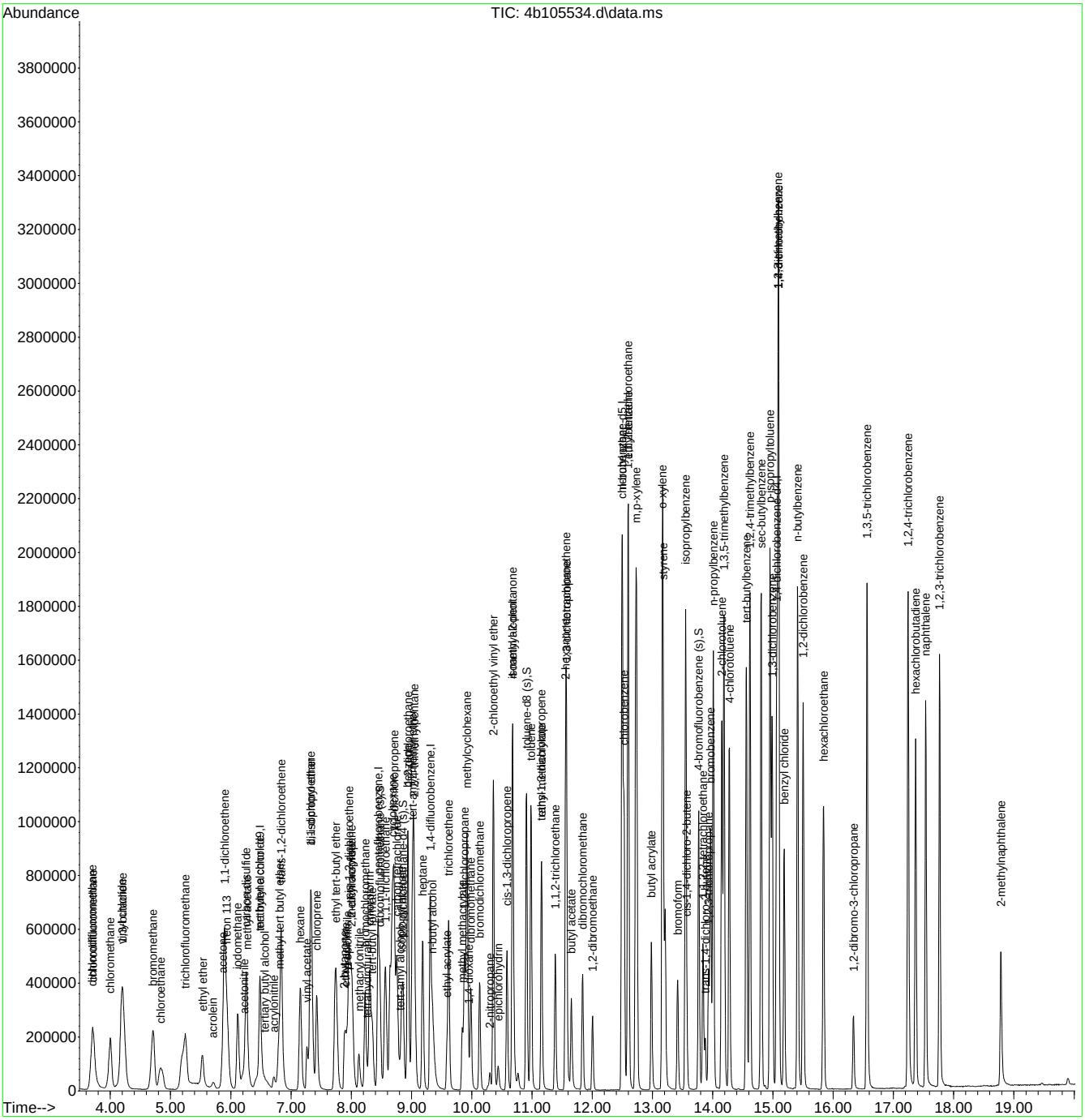
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.805	105	1410645	49.47	ug/L	99
109) p-isopropyltoluene	14.952	119	1269754	49.48	ug/L	98
110) 1,3-dichlorobenzene	14.988	146	647157	50.45	ug/L	97
111) 1,2,3-trimethylbenzene	15.088	105	1181407	49.63	ug/L	99
112) 1,4-dichlorobenzene	15.093	146	652274	49.06	ug/L	99
113) 1,2-dichlorobenzene	15.501	146	697176	50.93	ug/L	97
114) benzyl chloride	15.187	91	684735	56.73	ug/L	96
115) n-butylbenzene	15.407	92	622805	49.91	ug/L	97
116) hexachloroethane	15.841	201	244144	50.60	ug/L	96
117) 1,2-dibromo-3-chloropr...	16.338	157	98470	56.94	ug/L	93
118) 1,3,5-trichlorobenzene	16.563	180	731246	56.30	ug/L	98
119) 1,2,4-trichlorobenzene	17.243	180	683639	54.86	ug/L	98
120) hexachlorobutadiene	17.368	225	322426	54.18	ug/L	97
121) naphthalene	17.536	128	1227534	51.00	ug/L	98
122) 1,2,3-trichlorobenzene	17.766	180	604392	54.66	ug/L	98
123) 2-methylnaphthalene	18.786	142	344569	24.06	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105534.d
Acq On : 15 Jul 2021 10:58 am
Operator : brittank
Sample : bs Inst : MS4B
Misc : MS52233,V4B4571,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:40:52 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105528.d
Acq On : 14 Jul 2021 8:59 pm
Operator : brittank
Sample : JD27982-1ms Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:48:28 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.458	65	222340	500.00	ug/L	-0.01
5) pentafluorobenzene	8.446	168	564827	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.309	114	703078	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	702101	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	486389	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	240915	48.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.16%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	214190	42.68	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 85.36%			
74) toluene-d8 (s)	10.909	98	813698	47.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.16%			
97) 4-bromofluorobenzene (s)	13.765	95	334830	46.87	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.74%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.552	59	131989	337.10	ug/L	100
4) 1,4-dioxane	9.936	88	52062	1270.47	ug/L	84
6) chlorodifluoromethane	3.712	51	331546	37.65	ug/L	98
7) dichlorodifluoromethane	3.697	85	472542	41.72	ug/L	99
8) chloromethane	4.000	50	431234	40.75	ug/L	99
9) vinyl chloride	4.193	62	451594	46.12	ug/L	97
10) 1,3-butadiene	4.214	54	345101	49.72	ug/L	99
11) bromomethane	4.711	94	334337	47.51	ug/L	99
12) chloroethane	4.832	64	202034	46.65	ug/L	98
13) trichlorofluoromethane	5.245	101	543138	51.08	ug/L	96
14) ethyl ether	5.527	74	87112	47.99	ug/L	97
15) acrolein	5.710	56	31002	44.28	ug/L	93
16) freon 113	5.925	151	300087	52.01	ug/L	93
17) 1,1-dichloroethene	5.893	61	341715	47.90	ug/L	95
18) acetone	5.867	58	60818	188.84	ug/L	95
19) acetonitrile	6.223	41	244002	433.63	ug/L	97
20) iodomethane	6.113	142	530236	49.92	ug/L	97
21) carbon disulfide	6.254	76	772531	42.35	ug/L	98
22) methylene chloride	6.484	84	243719	49.04	ug/L	96
23) methyl acetate	6.270	43	119681	41.83	ug/L	93
24) methyl tert butyl ether	6.809	73	610728	46.78	ug/L	98
25) trans-1,2-dichloroethene	6.840	61	306094	46.46	ug/L	94
26) hexane	7.154	56	159452	45.83	ug/L	96
27) di-isopropyl ether	7.332	45	742005	42.50	ug/L	96
28) 2-butanone	7.891	72	73410	239.90	ug/L #	61
29) 1,1-dichloroethane	7.326	63	375971	47.76	ug/L	99
30) chloroprene	7.426	53	283827	47.26	ug/L	93
31) acrylonitrile	6.709	53	62576	49.87	ug/L	92
32) vinyl acetate	7.269	86	32525	55.13	ug/L #	47
33) ethyl tert-butyl ether	7.740	59	733428	46.87	ug/L	97
34) ethyl acetate	7.907	45	24479	44.43	ug/L #	82
35) 2,2-dichloropropane	8.001	77	449169	49.57	ug/L	91
36) cis-1,2-dichloroethene	7.964	96	243345	51.68	ug/L	89
37) propionitrile	7.938	54	233466	474.04	ug/L	98
38) methyl acrylate	7.991	85	26552	53.74	ug/L #	66
39) methacrylonitrile	8.121	67	62273	48.79	ug/L	87
40) bromochloromethane	8.226	128	134714	54.62	ug/L	89
41) tetrahydrofuran	8.257	72	22561	51.22	ug/L	96
42) chloroform	8.304	83	393332	48.08	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105528.d
Acq On : 14 Jul 2021 8:59 pm
Operator : brittank
Sample : JD27982-1ms Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:48:28 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.346	59	127292	28.96	ug/L		95
45) 1,1,1-trichloroethane	8.571	97	480965	49.32	ug/L		95
46) cyclohexane	8.686	84	434420	51.13	ug/L		93
48) 1,1-dichloropropene	8.712	75	273739	49.76	ug/L		96
49) carbon tetrachloride	8.759	117	441097	50.37	ug/L		99
50) tert-amyl alcohol	8.812	73	49733	223.70	ug/L	#	75
51) isopropyl acetate	8.838	87	39706	53.50	ug/L	#	72
54) n-butyl alcohol	9.340	41	173927	1855.70	ug/L		92
55) 2,2,4-trimethylpentane	9.037	57	958387	59.29	ug/L		97
56) benzene	8.937	78	780914	49.23	ug/L		97
57) tert-amyl methyl ether	9.016	73	747102	49.87	ug/L		97
58) heptane	9.183	57	158457	52.07	ug/L		92
59) 1,2-dichloroethane	8.942	62	254988	44.48	ug/L		98
60) ethyl acrylate	9.591	55	196904	49.09	ug/L		99
61) trichloroethene	9.617	95	212957	50.94	ug/L		93
63) methyl methacrylate	9.842	100	43916	54.15	ug/L	#	75
64) methylcyclohexane	9.921	83	499754	52.02	ug/L		92
65) 1,2-dichloropropane	9.879	63	202513	45.80	ug/L		99
66) dibromomethane	9.983	93	130946	51.17	ug/L		90
67) bromodichloromethane	10.130	83	278951	48.50	ug/L		98
68) 2-nitropropane	10.302	41	42778	53.48	ug/L		94
69) epichlorohydrin	10.444	57	80890	228.11	ug/L		98
70) cis-1,3-dichloropropene	10.585	75	325944	51.14	ug/L		93
71) 4-methyl-2-pentanone	10.674	58	299436	198.02	ug/L	#	84
72) isoamyl alcohol	10.679	70	112684	992.40	ug/L		93
75) toluene	10.982	92	511258	50.49	ug/L		99
76) ethyl methacrylate	11.160	69	210309	48.88	ug/L		93
77) trans-1,3-dichloropropene	11.160	75	291082	52.51	ug/L		89
78) 1,1,2-trichloroethane	11.385	83	150981	51.55	ug/L		96
79) tetrachloroethene	11.568	164	233837	54.98	ug/L		97
80) 2-hexanone	11.552	58	254270	206.30	ug/L		94
81) 1,3-dichloropropane	11.573	76	278420	50.35	ug/L		93
82) butyl acetate	11.652	56	117704	49.70	ug/L		98
83) dibromochloromethane	11.840	129	250962	52.76	ug/L		100
84) 1,2-dibromoethane	12.002	107	207072	53.33	ug/L		99
85) n-butyl ether	12.499	57	976789	48.95	ug/L		97
86) chlorobenzene	12.525	112	636245	53.28	ug/L		98
87) 1,1,1,2-tetrachloroethane	12.593	131	312741	52.76	ug/L		98
88) ethylbenzene	12.598	91	1071071	50.28	ug/L		97
89) m,p-xylene	12.729	106	854792	104.06	ug/L		97
90) o-xylene	13.163	91	950358	49.79	ug/L		97
91) styrene	13.174	104	641163	53.04	ug/L		99
92) butyl acrylate	12.980	55	387763	47.78	ug/L		98
93) isopropylbenzene	13.550	105	1306461	50.62	ug/L		98
94) bromoform	13.420	173	207271	55.49	ug/L		98
95) cis-1,4-dichloro-2-butene	13.571	88	35150	31.30	ug/L		93
98) 1,1,2,2-tetrachloroethane	13.838	83	289145	50.37	ug/L		99
99) trans-1,4-dichloro-2-b...	13.875	53	29723	30.30	ug/L		88
100) 1,2,3-trichloropropane	13.932	110	78868	51.38	ug/L		90
101) bromobenzene	13.964	156	359650	53.55	ug/L		99
102) n-propylbenzene	14.011	91	1448596	50.07	ug/L		99
103) 2-chlorotoluene	14.152	126	325698	52.56	ug/L		90
104) 4-chlorotoluene	14.272	91	828938	50.66	ug/L		97
105) 1,3,5-trimethylbenzene	14.188	105	1088477	49.10	ug/L		99
106) tert-butylbenzene	14.560	119	924686	51.83	ug/L		97
107) 1,2,4-trimethylbenzene	14.617	105	1121031	48.80	ug/L		96
108) sec-butylbenzene	14.806	105	1492464	51.52	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105528.d
Acq On : 14 Jul 2021 8:59 pm
Operator : brittank
Sample : JD27982-1ms Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:48:28 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

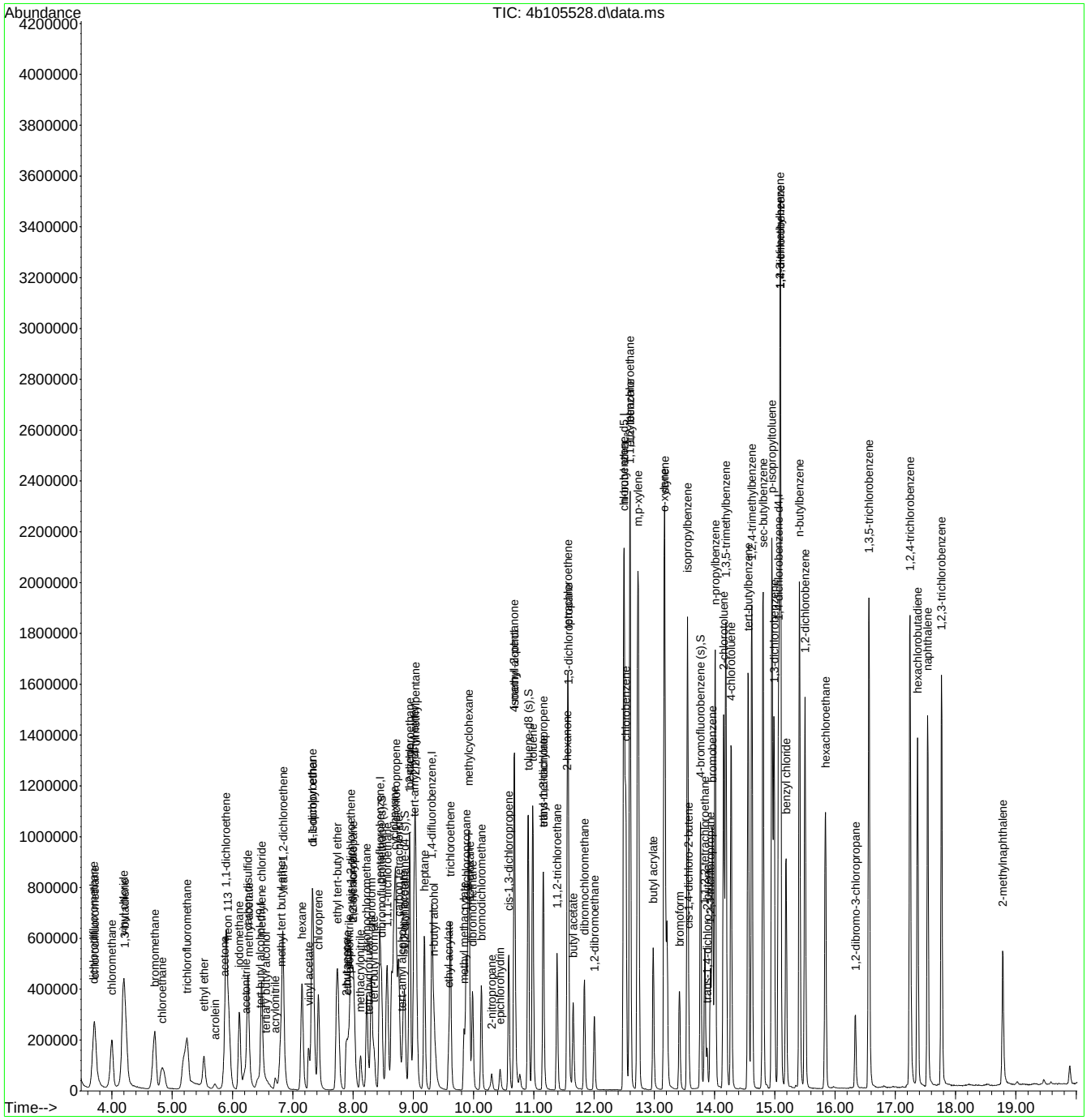
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) p-isopropyltoluene	14.952	119	1361962	52.24	ug/L	98
110) 1,3-dichlorobenzene	14.989	146	691259	53.05	ug/L	98
111) 1,2,3-trimethylbenzene	15.088	105	1210938	50.07	ug/L	98
112) 1,4-dichlorobenzene	15.093	146	687594	50.91	ug/L	99
113) 1,2-dichlorobenzene	15.501	146	725900	52.20	ug/L	99
114) benzyl chloride	15.187	91	705586	57.54	ug/L	96
115) n-butylbenzene	15.407	92	658811	51.97	ug/L	99
116) hexachloroethane	15.841	201	248628	50.71	ug/L	94
117) 1,2-dibromo-3-chloropr...	16.338	157	105095	59.82	ug/L	93
118) 1,3,5-trichlorobenzene	16.563	180	761426	57.70	ug/L	98
119) 1,2,4-trichlorobenzene	17.243	180	696361	55.01	ug/L	97
120) hexachlorobutadiene	17.368	225	342472	56.65	ug/L	97
121) naphthalene	17.536	128	1261885	51.60	ug/L	98
122) 1,2,3-trichlorobenzene	17.766	180	612293	54.51	ug/L	98
123) 2-methylnaphthalene	18.781	142	333457	22.92	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105528.d
Acq On : 14 Jul 2021 8:59 pm
Operator : brittank
Sample : JD27982-1ms Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:48:28 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
07/15/21 10:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:50:11 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.463	65	238340	500.00	ug/L	0.00
5) pentafluorobenzene	8.445	168	556898	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.308	114	685176	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	681116	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	471346	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	235854	47.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.48%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	207798	42.49	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 84.98%			
74) toluene-d8 (s)	10.909	98	800799	48.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.52%			
97) 4-bromofluorobenzene (s)	13.765	95	320870	46.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.70%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.568	59	149549	356.31	ug/L	96
4) 1,4-dioxane	9.936	88	69676	1586.17	ug/L	94
6) chlorodifluoromethane	3.712	51	352392	40.58	ug/L	97
7) dichlorodifluoromethane	3.691	85	511453	45.80	ug/L	100
8) chloromethane	3.995	50	473098	45.35	ug/L	100
9) vinyl chloride	4.193	62	491729	50.93	ug/L	99
10) 1,3-butadiene	4.209	54	363934	53.18	ug/L	98
11) bromomethane	4.706	94	360534	51.96	ug/L	97
12) chloroethane	4.831	64	217393	50.91	ug/L	93
13) trichlorofluoromethane	5.239	101	585064	55.81	ug/L	97
14) ethyl ether	5.527	74	90047	50.31	ug/L	95
15) acrolein	5.710	56	30344	43.96	ug/L	99
16) freon 113	5.925	151	315471	55.46	ug/L	97
17) 1,1-dichloroethene	5.893	61	348596	49.56	ug/L	93
18) acetone	5.862	58	64876	204.31	ug/L #	78
19) acetonitrile	6.217	41	256838	462.94	ug/L	94
20) iodomethane	6.113	142	546083	52.14	ug/L	97
21) carbon disulfide	6.254	76	789085	43.87	ug/L	98
22) methylene chloride	6.484	84	252255	51.48	ug/L	97
23) methyl acetate	6.270	43	124832	44.25	ug/L	91
24) methyl tert butyl ether	6.814	73	625137	48.57	ug/L	98
25) trans-1,2-dichloroethene	6.829	61	316026	48.65	ug/L	97
26) hexane	7.154	56	163248	47.59	ug/L	95
27) di-isopropyl ether	7.331	45	756049	43.92	ug/L	97
28) 2-butanone	7.886	72	76255	252.74	ug/L #	56
29) 1,1-dichloroethane	7.326	63	390098	50.26	ug/L	98
30) chloroprene	7.426	53	291266	49.19	ug/L	95
31) acrylonitrile	6.709	53	61270	49.52	ug/L	98
32) vinyl acetate	7.258	86	32539	55.94	ug/L #	70
33) ethyl tert-butyl ether	7.739	59	753712	48.85	ug/L	96
34) ethyl acetate	7.907	45	25772	47.44	ug/L #	57
35) 2,2-dichloropropane	8.006	77	463960	51.93	ug/L	94
36) cis-1,2-dichloroethene	7.959	96	245234	52.82	ug/L	92
37) propionitrile	7.933	54	243701	501.87	ug/L	94
38) methyl acrylate	7.990	85	27296	55.96	ug/L #	61
39) methacrylonitrile	8.126	67	63850	50.73	ug/L	90
40) bromochloromethane	8.226	128	138596	56.99	ug/L	90
41) tetrahydrofuran	8.257	72	23644	54.45	ug/L	88
42) chloroform	8.304	83	398347	49.38	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:50:11 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43)	tert-butyl formate	8.341	59	107129	24.72	ug/L		96
45)	1,1,1-trichloroethane	8.566	97	501618	52.17	ug/L		98
46)	cyclohexane	8.686	84	476718	56.91	ug/L		91
48)	1,1-dichloropropene	8.712	75	282827	52.14	ug/L		96
49)	carbon tetrachloride	8.759	117	461882	53.49	ug/L		99
50)	tert-amyl alcohol	8.806	73	56141	256.12	ug/L	#	84
51)	isopropyl acetate	8.838	87	39803	54.39	ug/L	#	68
54)	n-butyl alcohol	9.340	41	209998	2299.10	ug/L		93
55)	2,2,4-trimethylpentane	9.042	57	983816	62.45	ug/L		97
56)	benzene	8.937	78	815741	52.77	ug/L		98
57)	tert-amyl methyl ether	9.016	73	762172	52.20	ug/L		97
58)	heptane	9.183	57	164763	55.55	ug/L		92
59)	1,2-dichloroethane	8.942	62	259654	46.48	ug/L		98
60)	ethyl acrylate	9.586	55	198537	50.79	ug/L		99
61)	trichloroethene	9.617	95	219347	53.84	ug/L		92
63)	methyl methacrylate	9.842	100	45906	58.08	ug/L	#	73
64)	methylcyclohexane	9.920	83	518539	55.39	ug/L		93
65)	1,2-dichloropropane	9.879	63	208500	48.38	ug/L		98
66)	dibromomethane	9.983	93	131762	52.84	ug/L		88
67)	bromodichloromethane	10.130	83	287931	51.37	ug/L		100
68)	2-nitropropane	10.302	41	43444	55.73	ug/L		95
69)	epichlorohydrin	10.438	57	81833	236.80	ug/L		100
70)	cis-1,3-dichloropropene	10.585	75	336522	54.17	ug/L		92
71)	4-methyl-2-pentanone	10.674	58	311332	211.26	ug/L		89
72)	isoamyl alcohol	10.679	70	131117	1184.91	ug/L		89
75)	toluene	10.982	92	530726	54.03	ug/L		99
76)	ethyl methacrylate	11.160	69	218806	52.42	ug/L		91
77)	trans-1,3-dichloropropene	11.155	75	291014	54.11	ug/L		95
78)	1,1,2-trichloroethane	11.385	83	156770	55.18	ug/L		93
79)	tetrachloroethene	11.568	164	247647	60.03	ug/L		93
80)	2-hexanone	11.557	58	259853	217.32	ug/L		88
81)	1,3-dichloropropane	11.573	76	287014	53.50	ug/L		90
82)	butyl acetate	11.652	56	120029	52.24	ug/L		89
83)	dibromochloromethane	11.840	129	259686	56.28	ug/L		100
84)	1,2-dibromoethane	12.002	107	204982	54.41	ug/L		96
85)	n-butyl ether	12.499	57	1012163	52.28	ug/L		98
86)	chlorobenzene	12.525	112	648960	56.02	ug/L		98
87)	1,1,1,2-tetrachloroethane	12.593	131	326513	56.78	ug/L		99
88)	ethylbenzene	12.598	91	1111685	53.79	ug/L		98
89)	m,p-xylene	12.729	106	888509	111.50	ug/L		94
90)	o-xylene	13.163	91	991896	53.57	ug/L		98
91)	styrene	13.179	104	666316	56.82	ug/L		98
92)	butyl acrylate	12.980	55	400286	50.85	ug/L		97
93)	isopropylbenzene	13.550	105	1388760	55.47	ug/L		98
94)	bromoform	13.419	173	211402	58.34	ug/L		98
95)	cis-1,4-dichloro-2-butene	13.571	88	35723	32.70	ug/L		91
98)	1,1,2,2-tetrachloroethane	13.838	83	298396	53.64	ug/L		99
99)	trans-1,4-dichloro-2-b...	13.874	53	30276m	31.75	ug/L		
100)	1,2,3-trichloropropane	13.932	110	79743	53.60	ug/L		99
101)	bromobenzene	13.969	156	367655	56.49	ug/L		92
102)	n-propylbenzene	14.010	91	1495277	53.34	ug/L		99
103)	2-chlorotoluene	14.152	126	336976	56.11	ug/L		93
104)	4-chlorotoluene	14.277	91	844322	53.25	ug/L		96
105)	1,3,5-trimethylbenzene	14.188	105	1146459	53.37	ug/L		98
106)	tert-butylbenzene	14.560	119	977671	56.54	ug/L		95
107)	1,2,4-trimethylbenzene	14.617	105	1168002	52.47	ug/L		96
108)	sec-butylbenzene	14.805	105	1562535	55.66	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:50:11 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration

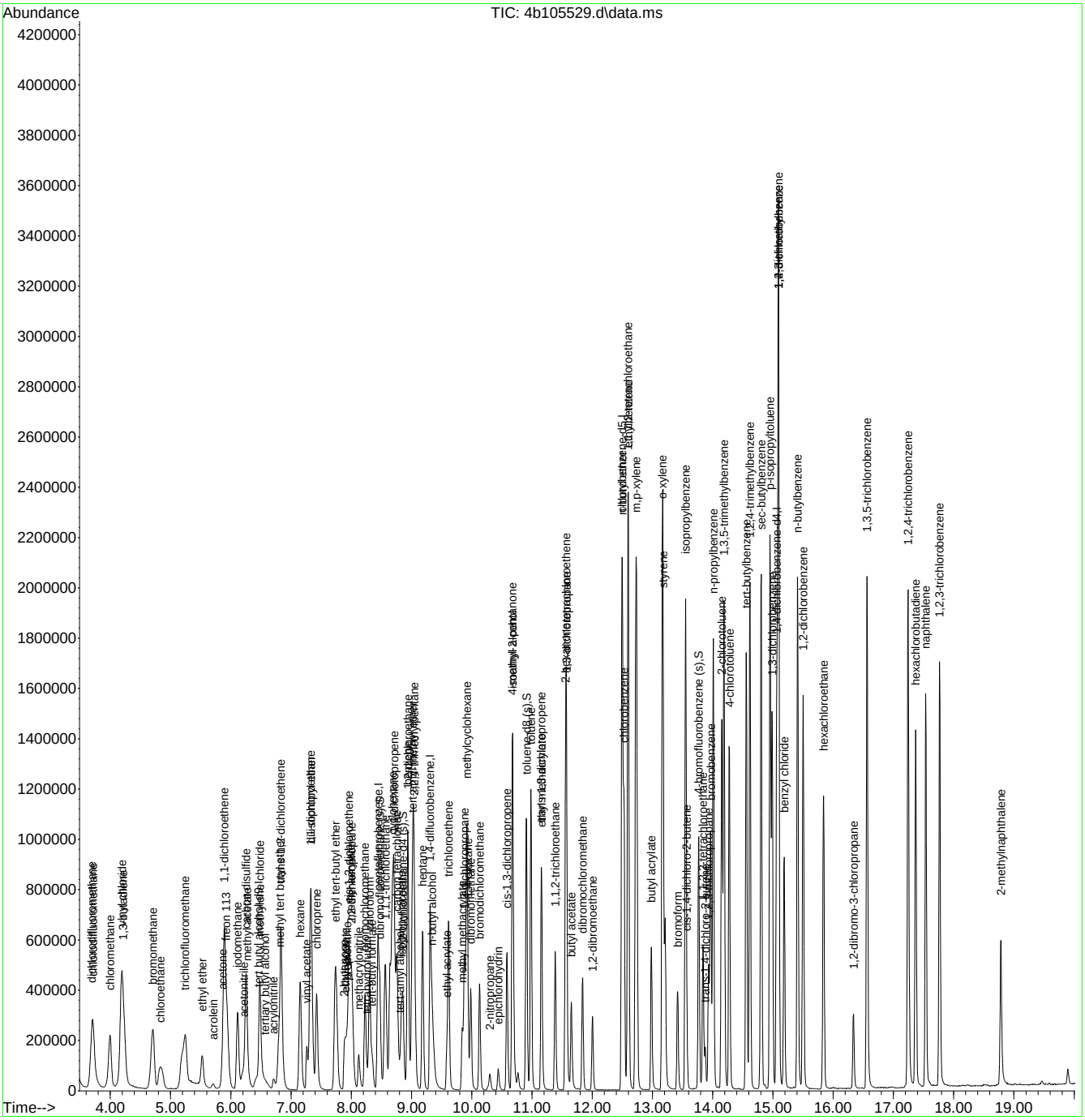
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) p-isopropyltoluene	14.952	119	1403308	55.55	ug/L	98
110) 1,3-dichlorobenzene	14.989	146	700491	55.47	ug/L	97
111) 1,2,3-trimethylbenzene	15.093	105	1262096	53.85	ug/L	98
112) 1,4-dichlorobenzene	15.093	146	708615	54.14	ug/L	98
113) 1,2-dichlorobenzene	15.501	146	746161	55.37	ug/L	100
114) benzyl chloride	15.187	91	718952	60.50	ug/L	99
115) n-butylbenzene	15.407	92	679392	55.30	ug/L	99
116) hexachloroethane	15.841	201	261728	54.67	ug/L	95
117) 1,2-dibromo-3-chloropr...	16.338	157	106808	62.73	ug/L	93
118) 1,3,5-trichlorobenzene	16.563	180	797873	62.40	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	726899	59.26	ug/L	98
120) hexachlorobutadiene	17.368	225	356635	60.88	ug/L	98
121) naphthalene	17.536	128	1338875	56.50	ug/L	97
122) 1,2,3-trichlorobenzene	17.766	180	651601	59.86	ug/L	97
123) 2-methylnaphthalene	18.786	142	377506	26.78	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:50:11 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: JD27982-1MSD
Lab FileID: 4B105529.D
Injection Time: 07/14/21 21:27

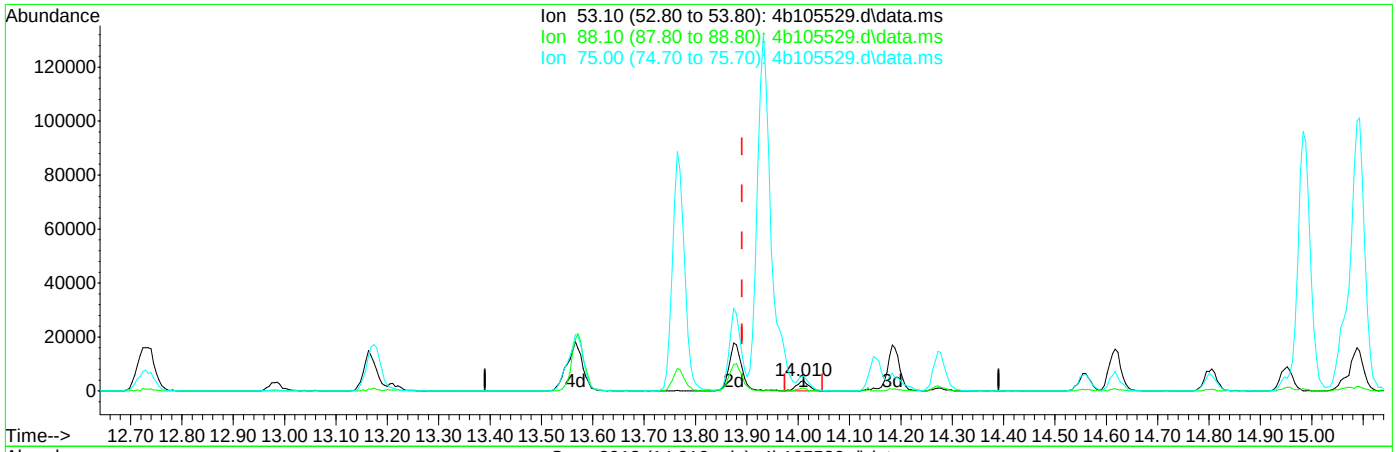
Method: SW846 8260D
Analyst approved: 07/15/21 07:56 Nizel Eugenio
Supervisor approved: 07/15/21 10:44 Mei Chen

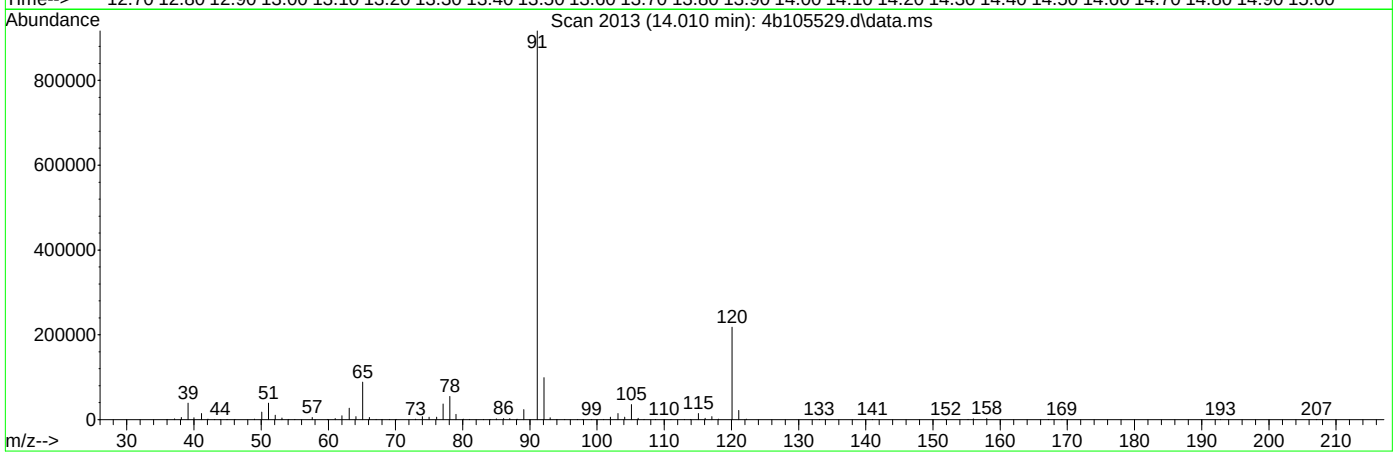
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		13.87	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:49:00 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration





TIC: 4b105529.d\data.ms

(99) trans-1,4-dichloro-2-butene

14.010min (+0.120) 8.04ug/L

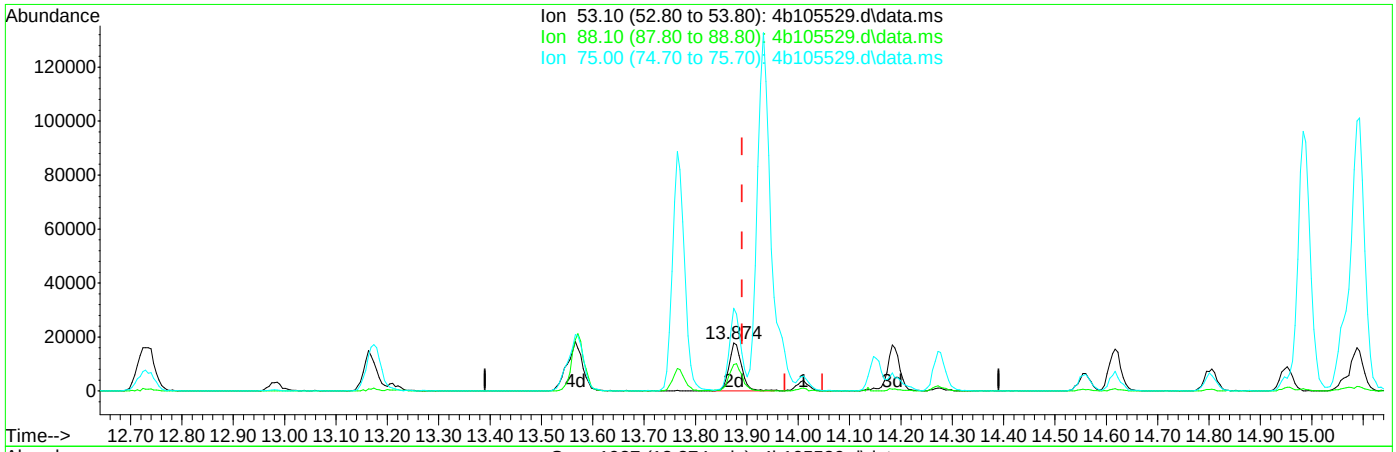
response 6237

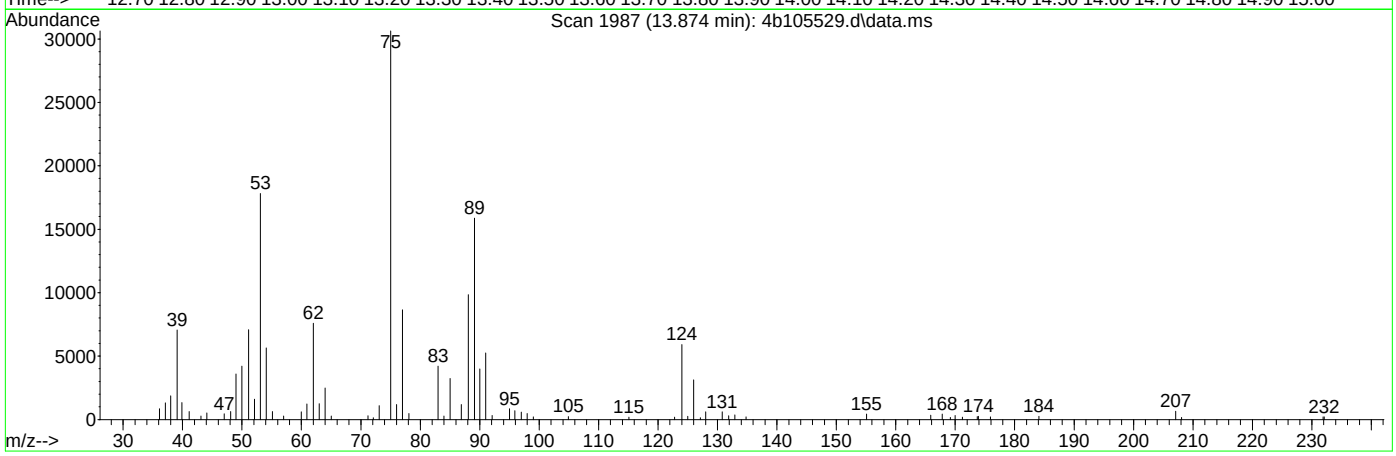
Ion	Exp%	Act%
53.10	100	100
88.10	55.00	29.57
75.00	138.50	138.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105529.d
Acq On : 14 Jul 2021 9:27 pm
Operator : brittank
Sample : JD27982-1msd Inst : MS4B
Misc : MS52219,V4B4570,W,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 07:49:00 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021
QLast Update : Fri Jun 18 14:45:09 2021
Response via : Initial Calibration





TIC: 4b105529.d\data.ms

(99) trans-1,4-dichloro-2-butene

13.874min (-0.016) 31.75ug/L m

response 30276

Ion	Exp%	Act%
53.10	100	100
88.10	55.00	55.28
75.00	138.50	172.06#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105544.d
Acq On : 15 Jul 2021 3:43 pm
Operator : brittank
Sample : JD27981-1ms Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:43:54 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.463	65	195304	500.00	ug/L	0.03
5) pentafluorobenzene	8.446	168	530524	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	663880	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	676947	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	463190	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	230793	49.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.08%			
53) 1,2-dichloroethane-d4 (s)	8.859	65	210866	44.50	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.00%			
74) toluene-d8 (s)	10.909	98	767969	46.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.14%			
97) 4-bromofluorobenzene (s)	13.765	95	322690	47.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.88%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.552	59	192729	482.96	ug/L	98
4) 1,4-dioxane	9.931	88	40357	1121.17	ug/L	86
6) chlorodifluoromethane	3.712	51	234874	28.40	ug/L	98
7) dichlorodifluoromethane	3.702	85	377833	35.51	ug/L	97
8) chloromethane	4.005	50	353533	35.57	ug/L	98
9) vinyl chloride	4.199	62	374731	40.74	ug/L	95
10) 1,3-butadiene	4.225	54	240748	36.93	ug/L #	82
11) bromomethane	4.711	94	295962	44.77	ug/L	99
12) chloroethane	4.837	64	176020	43.27	ug/L	96
13) trichlorofluoromethane	5.245	101	494207	49.49	ug/L	98
14) ethyl ether	5.532	74	69480	40.75	ug/L	96
15) acrolein	5.710	56	27864	42.37	ug/L	87
16) freon 113	5.925	151	349026	64.41	ug/L	96
17) 1,1-dichloroethene	5.893	61	271266	40.48	ug/L	96
18) acetone	5.867	58	48978	161.91	ug/L #	81
19) acetonitrile	6.223	41	189053	357.70	ug/L	98
20) iodomethane	6.118	142	413718	41.47	ug/L	96
21) carbon disulfide	6.254	76	585527	34.17	ug/L	99
22) methylene chloride	6.484	84	197654	42.34	ug/L	96
23) methyl acetate	6.270	43	92321	34.35	ug/L	93
24) methyl tert butyl ether	6.814	73	482868	39.38	ug/L	98
25) trans-1,2-dichloroethene	6.835	61	244486	39.51	ug/L	94
26) hexane	7.154	56	117359	35.91	ug/L	97
27) di-isopropyl ether	7.326	45	589761	35.96	ug/L	96
28) 2-butanone	7.891	72	55367	192.63	ug/L #	67
29) 1,1-dichloroethane	7.326	63	304109	41.13	ug/L	99
30) chloroprene	7.426	53	225388	39.95	ug/L	98
31) acrylonitrile	6.714	53	53233	45.16	ug/L	92
32) vinyl acetate	7.269	86	25021	45.16	ug/L #	69
33) ethyl tert-butyl ether	7.734	59	587617	39.98	ug/L	97
34) ethyl acetate	7.907	45	18895	36.51	ug/L #	71
35) 2,2-dichloropropane	8.006	77	352454	41.41	ug/L	93
36) cis-1,2-dichloroethene	7.964	96	228344	51.63	ug/L	87
37) propionitrile	7.933	54	181740	392.87	ug/L	92
38) methyl acrylate	7.996	85	19745	42.90	ug/L #	64
39) methacrylonitrile	8.126	67	49356	41.17	ug/L	90
40) bromochloromethane	8.231	128	109903	47.44	ug/L	90
41) tetrahydrofuran	8.262	72	17233	41.66	ug/L	95
42) chloroform	8.304	83	318875	41.50	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105544.d
Acq On : 15 Jul 2021 3:43 pm
Operator : brittank
Sample : JD27981-1ms Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:43:54 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.341	59	169723	41.12	ug/L		96
45) 1,1,1-trichloroethane	8.566	97	378453	41.31	ug/L		96
46) cyclohexane	8.686	84	388049	48.63	ug/L		91
48) 1,1-dichloropropene	8.712	75	215478	41.70	ug/L		95
49) carbon tetrachloride	8.754	117	348127	42.32	ug/L		100
50) tert-amyl alcohol	8.806	73	40180	192.42	ug/L	#	84
51) isopropyl acetate	8.838	87	29827	42.78	ug/L	#	64
54) n-butyl alcohol	9.345	41	129349	1461.56	ug/L		97
55) 2,2,4-trimethylpentane	9.042	57	719957	47.17	ug/L		96
56) benzene	8.937	78	616395	41.16	ug/L		99
57) tert-amyl methyl ether	9.016	73	588394	41.59	ug/L		97
58) heptane	9.183	57	120503	41.93	ug/L		94
59) 1,2-dichloroethane	8.948	62	208879	38.59	ug/L		94
60) ethyl acrylate	9.586	55	147142	38.85	ug/L		96
61) trichloroethene	9.612	95	1928537	488.54	ug/L		94
62) 2-chloroethyl vinyl ether	10.360	63	59087	28.04	ug/L		96
63) methyl methacrylate	9.842	100	33015	43.11	ug/L	#	89
64) methylcyclohexane	9.920	83	375611	41.41	ug/L		92
65) 1,2-dichloropropane	9.879	63	158876	38.05	ug/L		97
66) dibromomethane	9.983	93	103522	42.84	ug/L		91
67) bromodichloromethane	10.130	83	228357	42.05	ug/L		95
68) 2-nitropropane	10.302	41	34183	45.25	ug/L		96
69) epichlorohydrin	10.438	57	65122	194.49	ug/L		93
70) cis-1,3-dichloropropene	10.585	75	267475	44.44	ug/L		95
71) 4-methyl-2-pentanone	10.679	58	231295	161.99	ug/L		86
72) isoamyl alcohol	10.684	70	85442	796.91	ug/L	#	87
75) toluene	10.982	92	402092	41.18	ug/L		100
76) ethyl methacrylate	11.160	69	168191	40.54	ug/L		93
77) trans-1,3-dichloropropene	11.155	75	240269	44.95	ug/L		93
78) 1,1,2-trichloroethane	11.385	83	120450	42.65	ug/L		96
79) tetrachloroethene	11.568	164	221088	53.92	ug/L		97
80) 2-hexanone	11.557	58	200355	168.59	ug/L		89
81) 1,3-dichloropropane	11.573	76	223811	41.98	ug/L		93
82) butyl acetate	11.652	56	92966	40.71	ug/L		97
83) dibromochloromethane	11.840	129	211823	46.19	ug/L		98
84) 1,2-dibromoethane	12.007	107	165458	44.19	ug/L		99
85) n-butyl ether	12.499	57	773886	40.22	ug/L		97
86) chlorobenzene	12.525	112	513655	44.61	ug/L		97
87) 1,1,1,2-tetrachloroethane	12.593	131	251641	44.03	ug/L		98
88) ethylbenzene	12.598	91	855511	41.65	ug/L		96
89) m,p-xylene	12.729	106	686647	86.70	ug/L		93
90) o-xylene	13.163	91	757165	41.14	ug/L		99
91) styrene	13.174	104	530714	45.53	ug/L		99
92) butyl acrylate	12.980	55	321056	41.03	ug/L		98
93) isopropylbenzene	13.550	105	1022948	41.11	ug/L		99
94) bromoform	13.414	173	182762	50.75	ug/L		100
95) cis-1,4-dichloro-2-butene	13.571	88	35637	32.82	ug/L		96
98) 1,1,2,2-tetrachloroethane	13.838	83	230244	42.12	ug/L		99
99) trans-1,4-dichloro-2-b...	13.874	53	28390	30.38	ug/L		93
100) 1,2,3-trichloropropane	13.932	110	64246	43.95	ug/L		90
101) bromobenzene	13.963	156	292167	45.68	ug/L		97
102) n-propylbenzene	14.010	91	1150565	41.76	ug/L		97
103) 2-chlorotoluene	14.152	126	262815	44.54	ug/L		92
104) 4-chlorotoluene	14.272	91	676384	43.41	ug/L		98
105) 1,3,5-trimethylbenzene	14.188	105	865953	41.02	ug/L		99
106) tert-butylbenzene	14.560	119	713520	41.99	ug/L		98
107) 1,2,4-trimethylbenzene	14.617	105	908120	41.51	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105544.d
Acq On : 15 Jul 2021 3:43 pm
Operator : brittank
Sample : JD27981-1ms Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:43:54 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

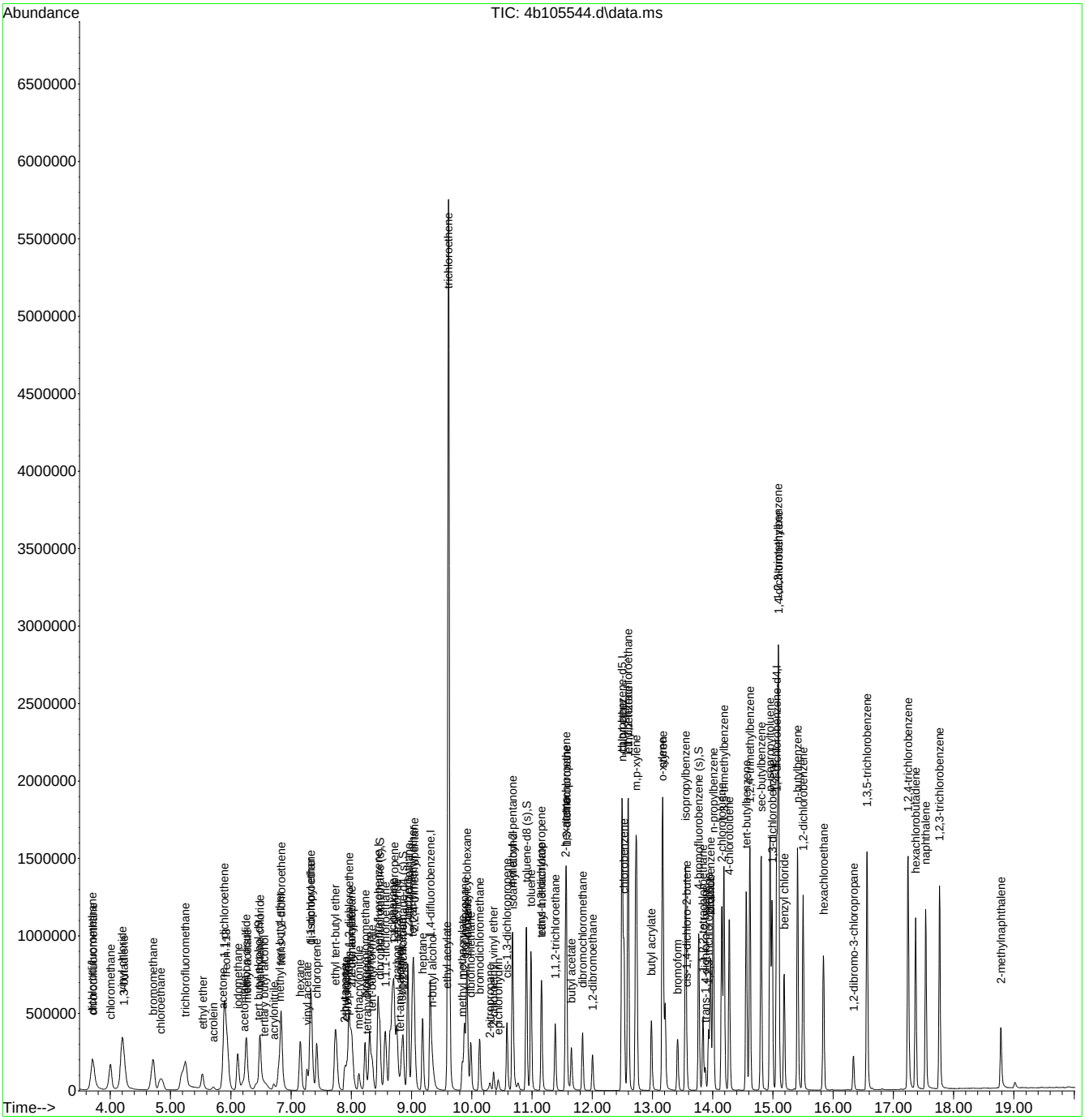
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.805	105	1161927	42.12	ug/L	99
109) p-isopropyltoluene	14.952	119	1055075	42.50	ug/L	98
110) 1,3-dichlorobenzene	14.989	146	562110	45.30	ug/L	99
111) 1,2,3-trimethylbenzene	15.088	105	982869	42.68	ug/L	100
112) 1,4-dichlorobenzene	15.093	146	565969	44.00	ug/L	99
113) 1,2-dichlorobenzene	15.501	146	597244	45.10	ug/L	95
114) benzyl chloride	15.187	91	586106	50.19	ug/L	97
115) n-butylbenzene	15.407	92	520552	43.12	ug/L	98
116) hexachloroethane	15.841	201	195813	42.64	ug/L	95
117) 1,2-dibromo-3-chloropr...	16.338	157	81007	48.42	ug/L	96
118) 1,3,5-trichlorobenzene	16.563	180	613219	48.80	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	556073	46.13	ug/L	98
120) hexachlorobutadiene	17.368	225	264659	45.97	ug/L	98
121) naphthalene	17.536	128	989778	42.50	ug/L	98
122) 1,2,3-trichlorobenzene	17.766	180	498776	46.63	ug/L	98
123) 2-methylnaphthalene	18.786	142	253488	18.30	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105544.d
Acq On : 15 Jul 2021 3:43 pm
Operator : brittank
Sample : JD27981-1ms Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 14 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:43:54 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105545.d
Acq On : 15 Jul 2021 4:12 pm
Operator : brittank
Sample : JD27981-1msd Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:44:42 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.453	65	221751	500.00	ug/L	0.02
5) pentafluorobenzene	8.446	168	537385	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.309	114	677450	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	676851	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	463962	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	234477	49.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.38%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	215848	44.64	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.28%			
74) toluene-d8 (s)	10.909	98	786845	47.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.44%			
97) 4-bromofluorobenzene (s)	13.765	95	317778	46.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.28%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.537	59	121465	268.08	ug/L	96
4) 1,4-dioxane	9.936	88	54568	1335.16	ug/L	97
6) chlorodifluoromethane	3.712	51	240308	28.68	ug/L	99
7) dichlorodifluoromethane	3.702	85	384095	35.64	ug/L	97
8) chloromethane	4.000	50	364963	36.25	ug/L	98
9) vinyl chloride	4.199	62	392201	42.10	ug/L	95
10) 1,3-butadiene	4.220	54	240804	36.47	ug/L #	83
11) bromomethane	4.716	94	300685	44.91	ug/L	95
12) chloroethane	4.837	64	180627	43.84	ug/L	94
13) trichlorofluoromethane	5.245	101	507535	50.17	ug/L	96
14) ethyl ether	5.527	74	71037	41.13	ug/L	97
15) acrolein	5.710	56	31711	47.61	ug/L	93
16) freon 113	5.925	151	354806	64.64	ug/L	96
17) 1,1-dichloroethene	5.898	61	270393	39.83	ug/L	94
18) acetone	5.878	58	53681	175.20	ug/L	86
19) acetonitrile	6.223	41	202701	378.63	ug/L	94
20) iodomethane	6.113	142	416556	41.22	ug/L	97
21) carbon disulfide	6.259	76	604530	34.83	ug/L	98
22) methylene chloride	6.484	84	201181	42.55	ug/L	99
23) methyl acetate	6.280	43	98704	36.26	ug/L	93
24) methyl tert butyl ether	6.814	73	506096	40.75	ug/L	97
25) trans-1,2-dichloroethene	6.840	61	245841	39.22	ug/L	97
26) hexane	7.154	56	118970	35.94	ug/L	95
27) di-isopropyl ether	7.326	45	596720	35.92	ug/L	97
28) 2-butanone	7.886	72	61308	210.58	ug/L #	55
29) 1,1-dichloroethane	7.326	63	306778	40.96	ug/L	99
30) chloroprene	7.426	53	230736	40.38	ug/L	98
31) acrylonitrile	6.709	53	57376	48.06	ug/L	96
32) vinyl acetate	7.269	86	27516	49.03	ug/L #	54
33) ethyl tert-butyl ether	7.739	59	600658	40.34	ug/L	97
34) ethyl acetate	7.912	45	21070	40.20	ug/L #	93
35) 2,2-dichloropropane	8.006	77	352306	40.86	ug/L	93
36) cis-1,2-dichloroethene	7.964	96	230100	51.36	ug/L	90
37) propionitrile	7.938	54	199709	426.21	ug/L	97
38) methyl acrylate	7.991	85	21759	46.53	ug/L #	74
39) methacrylonitrile	8.127	67	53864	44.35	ug/L	91
40) bromochloromethane	8.226	128	109812	46.80	ug/L	94
41) tetrahydrofuran	8.262	72	18734	44.71	ug/L	91
42) chloroform	8.304	83	322818	41.47	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105545.d
Acq On : 15 Jul 2021 4:12 pm
Operator : brittank
Sample : JD27981-1msd Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:44:42 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.341	59	169347	40.50	ug/L		94
45) 1,1,1-trichloroethane	8.566	97	380417	41.00	ug/L		97
46) cyclohexane	8.686	84	444319	54.97	ug/L		93
48) 1,1-dichloropropene	8.712	75	220269	42.08	ug/L		95
49) carbon tetrachloride	8.759	117	355038	42.61	ug/L		98
50) tert-amyl alcohol	8.812	73	45940	217.19	ug/L	#	80
51) isopropyl acetate	8.838	87	33064	46.82	ug/L	#	69
54) n-butyl alcohol	9.340	41	171890	1903.35	ug/L		97
55) 2,2,4-trimethylpentane	9.042	57	742610	47.68	ug/L		98
56) benzene	8.937	78	633924	41.48	ug/L		98
57) tert-amyl methyl ether	9.016	73	609454	42.22	ug/L		97
58) heptane	9.183	57	123271	42.04	ug/L		92
59) 1,2-dichloroethane	8.948	62	219409	39.72	ug/L		95
60) ethyl acrylate	9.591	55	162710	42.10	ug/L		94
61) trichloroethene	9.617	95	1990069	494.03	ug/L		91
62) 2-chloroethyl vinyl ether	10.365	63	19418	9.03	ug/L		94
63) methyl methacrylate	9.847	100	35983	46.04	ug/L	#	69
64) methylcyclohexane	9.920	83	384491	41.54	ug/L		93
65) 1,2-dichloropropane	9.879	63	162371	38.11	ug/L		100
66) dibromomethane	9.983	93	107565	43.62	ug/L		94
67) bromodichloromethane	10.130	83	238611	43.06	ug/L		98
68) 2-nitropropane	10.302	41	36257	47.04	ug/L		96
69) epichlorohydrin	10.438	57	73690	215.67	ug/L		98
70) cis-1,3-dichloropropene	10.585	75	277644	45.21	ug/L		94
71) 4-methyl-2-pentanone	10.679	58	253904	174.26	ug/L		87
72) isoamyl alcohol	10.679	70	104262	952.97	ug/L		91
75) toluene	10.982	92	418261	42.85	ug/L		99
76) ethyl methacrylate	11.160	69	178437	43.02	ug/L		91
77) trans-1,3-dichloropropene	11.160	75	246691	46.16	ug/L		90
78) 1,1,2-trichloroethane	11.385	83	127215	45.06	ug/L		97
79) tetrachloroethene	11.568	164	222475	54.26	ug/L		97
80) 2-hexanone	11.552	58	217715	183.23	ug/L		93
81) 1,3-dichloropropane	11.573	76	232982	43.70	ug/L		93
82) butyl acetate	11.652	56	100445	43.99	ug/L		94
83) dibromochloromethane	11.840	129	218221	47.59	ug/L		99
84) 1,2-dibromoethane	12.002	107	172585	46.10	ug/L		93
85) n-butyl ether	12.499	57	787500	40.94	ug/L		97
86) chlorobenzene	12.525	112	523657	45.48	ug/L		97
87) 1,1,1,2-tetrachloroethane	12.593	131	259013	45.33	ug/L		99
88) ethylbenzene	12.598	91	872095	42.46	ug/L		98
89) m,p-xylene	12.729	106	695409	87.82	ug/L		94
90) o-xylene	13.163	91	771703	41.94	ug/L		100
91) styrene	13.174	104	539885	46.33	ug/L		98
92) butyl acrylate	12.980	55	329237	42.08	ug/L		97
93) isopropylbenzene	13.550	105	1048510	42.14	ug/L		98
94) bromoform	13.420	173	191870	53.29	ug/L		98
95) cis-1,4-dichloro-2-butene	13.571	88	38164	35.03	ug/L		90
98) 1,1,2,2-tetrachloroethane	13.838	83	242521	44.29	ug/L		99
99) trans-1,4-dichloro-2-b...	13.875	53	29839	31.79	ug/L		84
100) 1,2,3-trichloropropane	13.932	110	65473	44.71	ug/L		97
101) bromobenzene	13.963	156	292508	45.66	ug/L		96
102) n-propylbenzene	14.011	91	1159080	42.00	ug/L		97
103) 2-chlorotoluene	14.152	126	265134	44.85	ug/L		92
104) 4-chlorotoluene	14.272	91	678424	43.46	ug/L		97
105) 1,3,5-trimethylbenzene	14.188	105	884396	41.83	ug/L		98
106) tert-butylbenzene	14.560	119	747185	43.90	ug/L		97
107) 1,2,4-trimethylbenzene	14.617	105	912806	41.66	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105545.d
Acq On : 15 Jul 2021 4:12 pm
Operator : brittank
Sample : JD27981-1msd Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:44:42 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

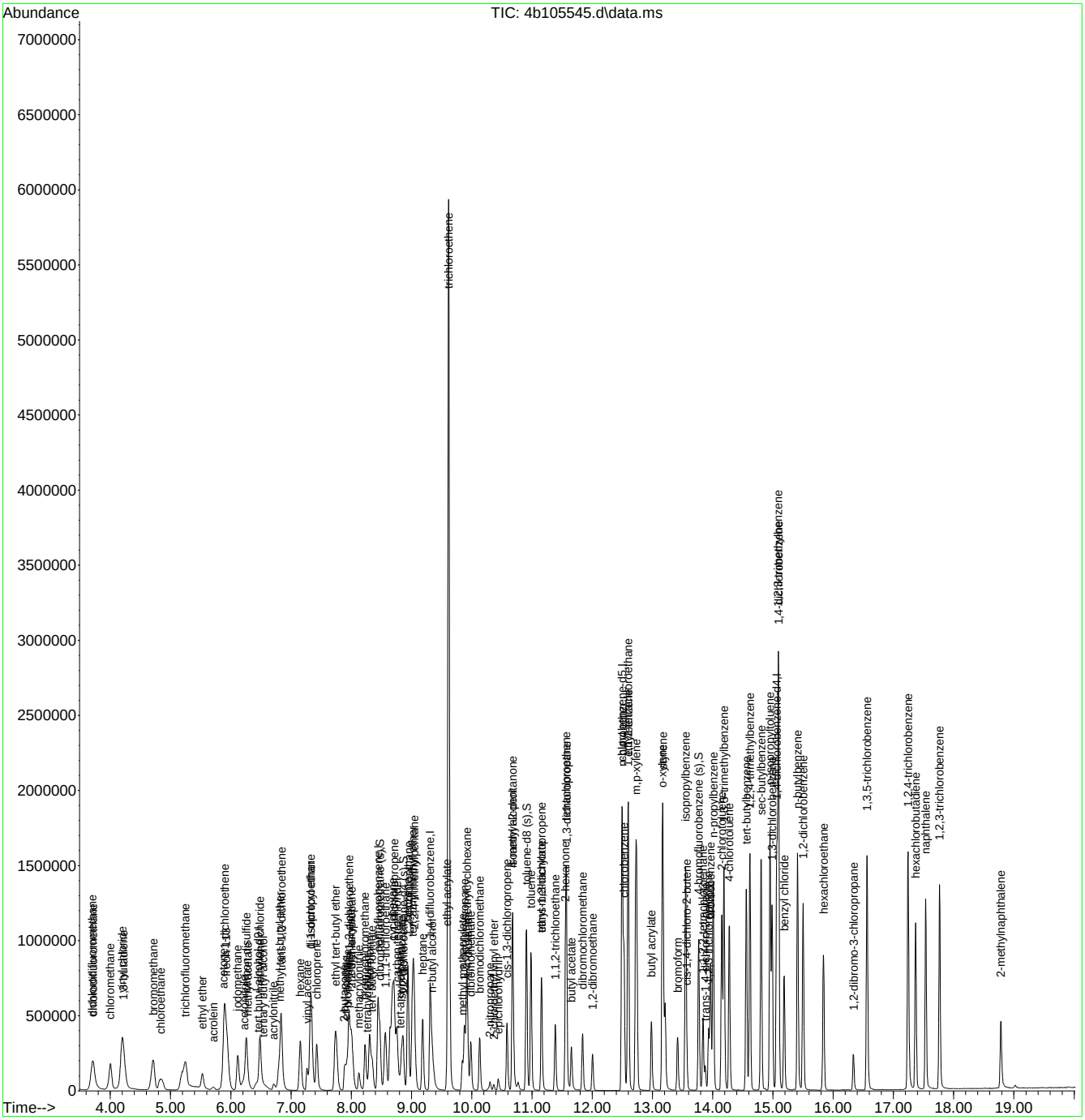
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.806	105	1185743	42.91	ug/L	98
109) p-isopropyltoluene	14.952	119	1072549	43.13	ug/L	98
110) 1,3-dichlorobenzene	14.983	146	565747	45.52	ug/L	97
111) 1,2,3-trimethylbenzene	15.088	105	996085	43.18	ug/L	99
112) 1,4-dichlorobenzene	15.093	146	571366	44.35	ug/L	98
113) 1,2-dichlorobenzene	15.501	146	598059	45.09	ug/L	99
114) benzyl chloride	15.187	91	596631	51.01	ug/L	95
115) n-butylbenzene	15.407	92	523352	43.28	ug/L	98
116) hexachloroethane	15.841	201	205072	44.41	ug/L	95
117) 1,2-dibromo-3-chloropr...	16.338	157	86101	51.37	ug/L	94
118) 1,3,5-trichlorobenzene	16.563	180	617489	49.06	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	578259	47.89	ug/L	99
120) hexachlorobutadiene	17.368	225	273775	47.48	ug/L	98
121) naphthalene	17.536	128	1072567	45.98	ug/L	97
122) 1,2,3-trichlorobenzene	17.766	180	520635	48.59	ug/L	97
123) 2-methylnaphthalene	18.781	142	300593	21.66	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105545.d
Acq On : 15 Jul 2021 4:12 pm
Operator : brittank
Sample : JD27981-1msd Inst : MS4B
Misc : MS52221,V4B4571,W,,,,5
ALS Vial : 15 Sample Multiplier: 1

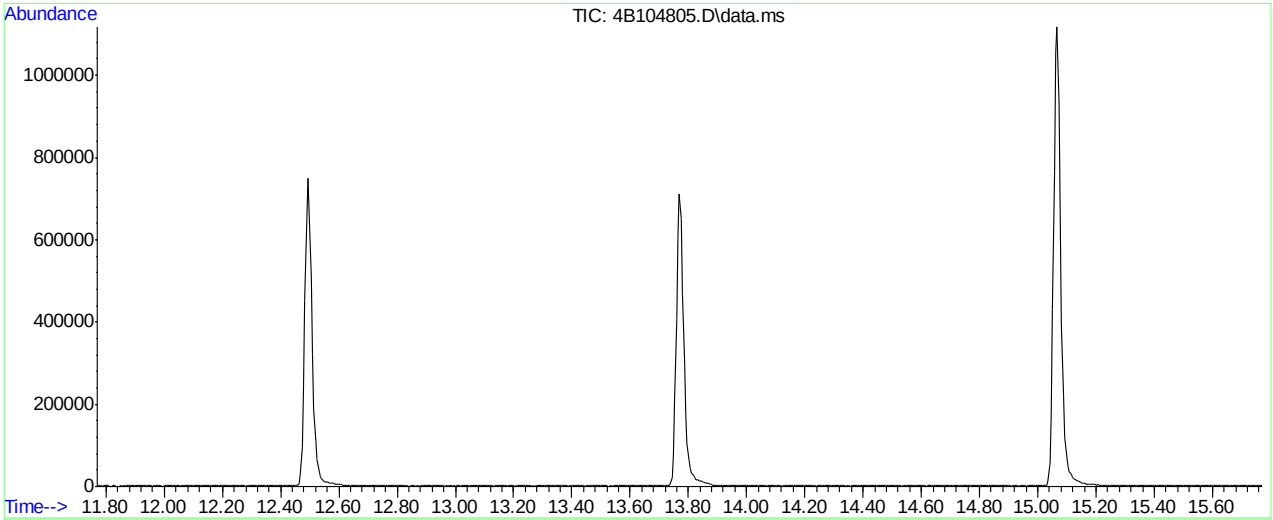
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:44:42 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\V4B4538\4B104805.D Vial: 2
Acq On : 16 Jun 2021 5:22 pm Operator: EddieH
Sample : bfb Inst : MS4B
Misc : MS51263,V4B4538,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:41:19 2021



AutoFind: Scans 1966, 1967, 1968; Background Corrected with Scan 1958

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	22690	PASS
75	95	30	60	46.7	58994	PASS
95	95	100	100	100.0	126234	PASS
96	95	5	9	6.5	8207	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	104.7	132154	PASS
175	174	5	9	8.0	10592	PASS
176	174	95	101	96.1	127026	PASS
177	176	5	9	7.2	9088	PASS

4B104805.D M4B4538.M Thu Jun 17 15:01:14 2021 MS4B

Average of 13.765 to 13.775 min.: 4B104805.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1110	50.10	22690	64.00	352	76.05	5359
37.10	6004	51.10	6746	67.10	518	77.05	641
38.10	4829	52.15	234	68.05	11499	77.95	450
39.10	2050	55.05	389	69.10	11916	79.00	2704
40.00	65	56.05	1726	70.10	936	80.00	671
44.00	564	57.05	3253	71.00	57	81.00	2911
45.10	934	58.10	55	71.20	61	82.00	607
46.10	57	60.00	1065	72.05	675	85.85	125
47.10	1757	61.05	5061	73.05	4595	87.00	5460
48.00	773	62.10	4695	74.10	19554	87.95	5368
49.10	4749	63.10	3755	75.10	58994	91.05	520

Average of 13.765 to 13.775 min.: 4B104805.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	3295	114.95	198	140.95	1320	160.85	175
93.00	4961	115.95	369	141.90	229	161.10	90
94.10	14288	116.90	703	142.90	1312	171.20	58
95.10	126234	117.90	368	145.85	239	171.40	93
96.10	8207	118.95	523	146.90	56	172.00	70
97.05	255	127.95	526	147.95	419	174.00	132154
102.90	61	128.95	242	149.95	135	175.00	10592
103.90	505	130.00	377	152.90	64	176.00	127026
104.95	244	134.95	272	154.95	376	176.95	9088
105.95	479	136.95	206	156.95	384	177.90	291
112.10	69	140.00	197	158.95	207	191.00	59

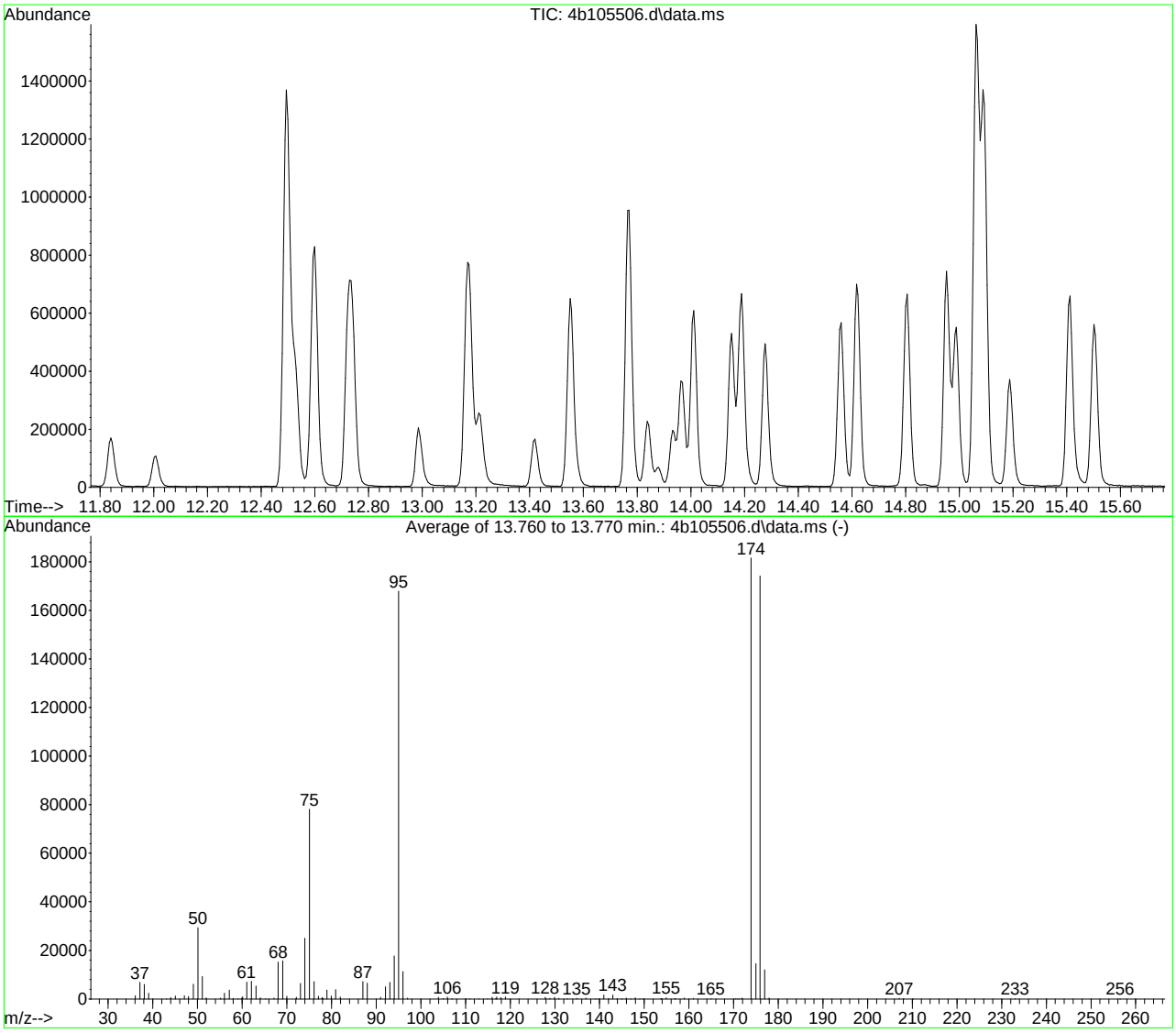
Average of 13.765 to 13.775 min.: 4B104805.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.80	51						
207.10	166						

SW-846 Method 8260

Data File : C:\msdchem\1\data\ni...21\v4b4570\4b105506.d Vial: 2
Acq On : 14 Jul 2021 10:03 am Operator: brittank
Sample : bfb Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:45:09 2021



AutoFind: Scans 1965, 1966, 1967; Background Corrected with Scan 1957

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	29347	PASS
75	95	30	60	46.5	78147	PASS
95	95	100	100	100.0	168021	PASS
96	95	5	9	6.7	11300	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	108.1	181589	PASS
175	174	5	9	8.0	14586	PASS
176	174	95	101	95.9	174224	PASS
177	176	5	9	6.9	12027	PASS

4b105506.d M4B4538.M Thu Jul 15 06:49:33 2021

Average of 13.760 to 13.770 min.: 4b105506.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1357	51.10	9274	63.10	5371	76.10	7145
37.10	6863	51.95	487	64.05	471	77.05	1161
38.10	6032	55.15	354	65.20	74	77.90	541
39.05	2439	56.05	2342	67.15	336	78.10	235
43.10	54	57.10	3671	68.05	15161	78.95	3674
44.00	636	57.95	127	69.05	15668	79.95	1214
45.05	1235	59.10	51	70.00	1148	80.95	3856
47.05	1319	59.90	374	72.10	693	81.95	811
47.95	999	60.10	864	73.05	6455	87.00	7097
49.05	6097	61.00	6964	74.05	25013	88.00	6552
50.10	29347	62.05	7242	75.05	78147	91.00	691

Average of 13.760 to 13.770 min.: 4b105506.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	5087	111.00	53	130.90	304	145.95	330
93.05	6813	113.00	80	132.80	62	147.00	51
94.05	17779	114.90	56	134.85	315	147.95	535
95.00	168021	115.95	647	136.95	431	149.00	52
96.00	11300	116.80	245	139.10	60	149.80	130
97.00	361	116.95	753	139.80	57	153.70	85
103.95	677	117.90	612	140.95	1668	153.85	134
105.00	119	118.95	810	142.05	196	154.95	505
105.95	794	127.85	705	142.95	1686	156.80	165
106.95	205	128.90	318	143.90	127	157.00	107
110.00	64	129.90	643	145.05	203	158.95	389

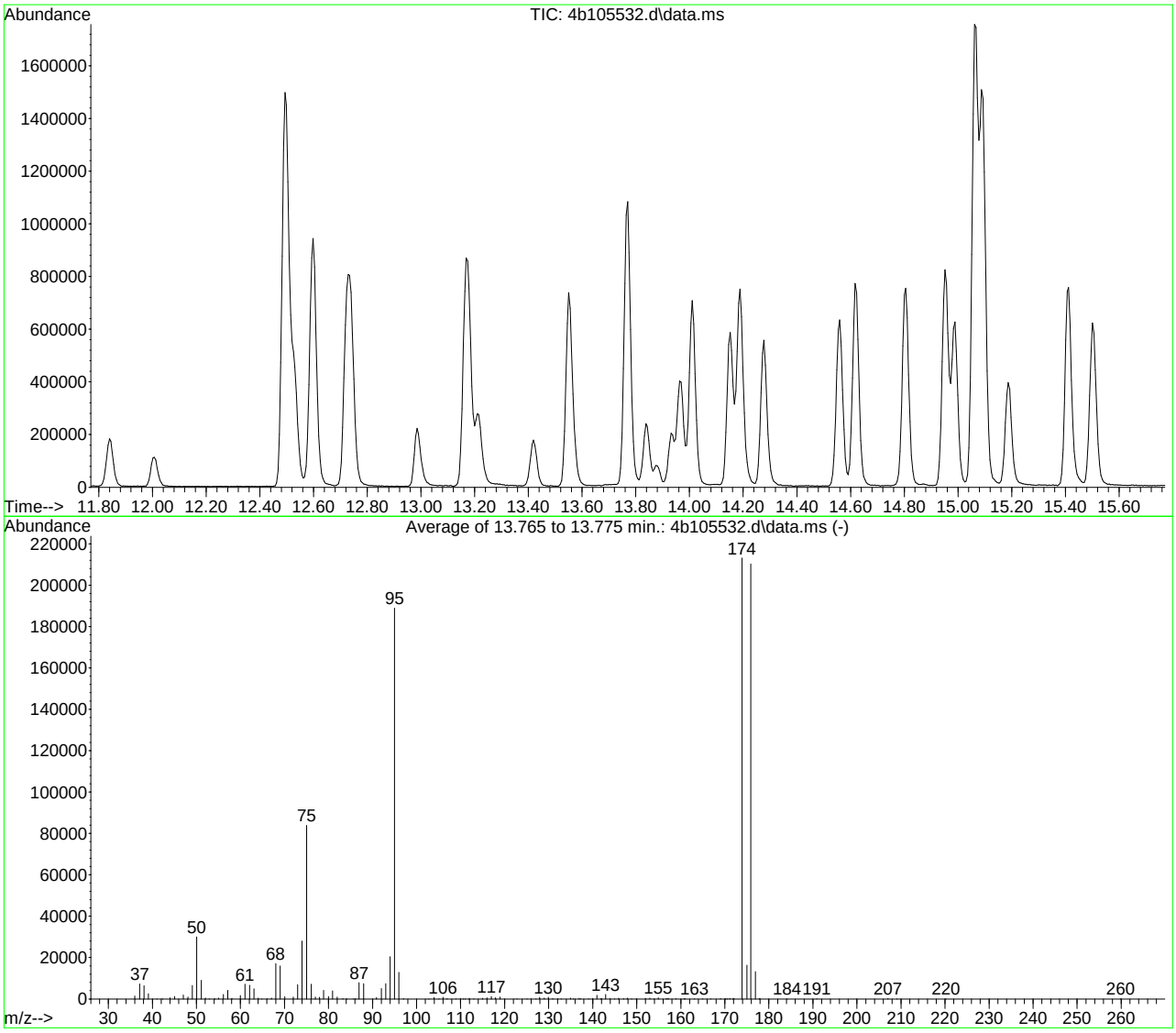
Average of 13.760 to 13.770 min.: 4b105506.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
160.95	224	207.10	300				
164.90	53	208.05	189				
170.40	58	210.30	62				
170.80	77	233.00	66				
171.20	93	256.50	64				
171.85	346						
173.90	181589						
175.00	14586						
175.90	174224						
176.95	12027						
177.95	397						

SW-846 Method 8260

Data File : C:\msdchem\1\data\da...21\v4b4571\4b105532.d Vial: 2
Acq On : 15 Jul 2021 9:53 am Operator: brittank
Sample : bfb Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M4B4538.M (RTE Integrator)
Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021



AutoFind: Scans 1966, 1967, 1968; Background Corrected with Scan 1956

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	29928	PASS
75	95	30	60	44.4	83891	PASS
95	95	100	100	100.0	188864	PASS
96	95	5	9	6.8	12905	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	150	112.8	213077	PASS
175	174	5	9	7.7	16351	PASS
176	174	95	101	98.7	210240	PASS
177	176	5	9	6.3	13295	PASS

4b105532.d M4B4538.M Fri Jul 16 00:41:56 2021

Average of 13.765 to 13.775 min.: 4b105532.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1409	50.05	29928	62.05	6673	74.00	27960
37.10	7265	51.10	9010	63.05	4865	75.05	83891
38.10	6392	52.05	464	64.05	462	76.05	7195
39.10	2509	52.90	85	64.90	59	77.00	888
41.00	111	54.20	54	66.10	54	77.95	760
42.30	52	55.00	477	67.05	489	78.90	4190
44.00	620	56.10	2175	68.00	17083	80.00	1131
45.05	1188	57.10	4211	69.00	15986	80.95	3955
47.05	1880	58.05	316	70.05	1114	82.00	993
48.05	974	60.00	1696	72.00	909	83.25	167
49.05	6507	61.05	7122	73.00	6944	84.20	59

Average of 13.765 to 13.775 min.: 4b105532.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.70	57	102.80	103	113.00	97	129.00	451
86.20	125	103.95	728	115.00	269	129.90	830
86.95	7867	105.05	56	116.00	585	130.90	204
88.00	7393	106.00	818	116.95	1209	132.10	61
90.90	664	106.95	157	117.90	608	132.85	104
92.00	5024	108.90	59	118.95	909	134.95	393
93.00	7389	109.95	143	122.80	57	135.60	53
94.00	20483	110.60	84	125.10	79	136.90	267
95.00	188864	111.00	113	126.00	78	137.20	122
96.00	12905	111.90	61	127.10	59	139.10	67
97.05	209	112.05	131	127.95	769	139.95	190

Average of 13.765 to 13.775 min.: 4b105532.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.95	1772	151.95	287	165.00	50	176.95	13295
141.80	112	152.95	392	166.80	51	177.80	227
142.00	190	153.90	54	169.00	138	178.00	122
142.95	2125	154.90	606	170.15	144	184.15	112
143.95	141	156.70	97	170.50	79	190.90	61
145.00	67	156.95	262	171.10	310	207.05	193
145.85	359	157.20	70	171.85	242	209.10	71
147.00	158	158.90	254	172.10	200	220.20	55
147.85	492	160.80	116	173.90	213077	259.90	58
148.80	71	160.95	204	175.00	16351		
149.95	195	163.10	64	175.90	210240		

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104806.D
Acq On : 16 Jun 2021 5:57 pm
Operator : EddieH
Sample : ic4538-0.2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 21 11:21:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

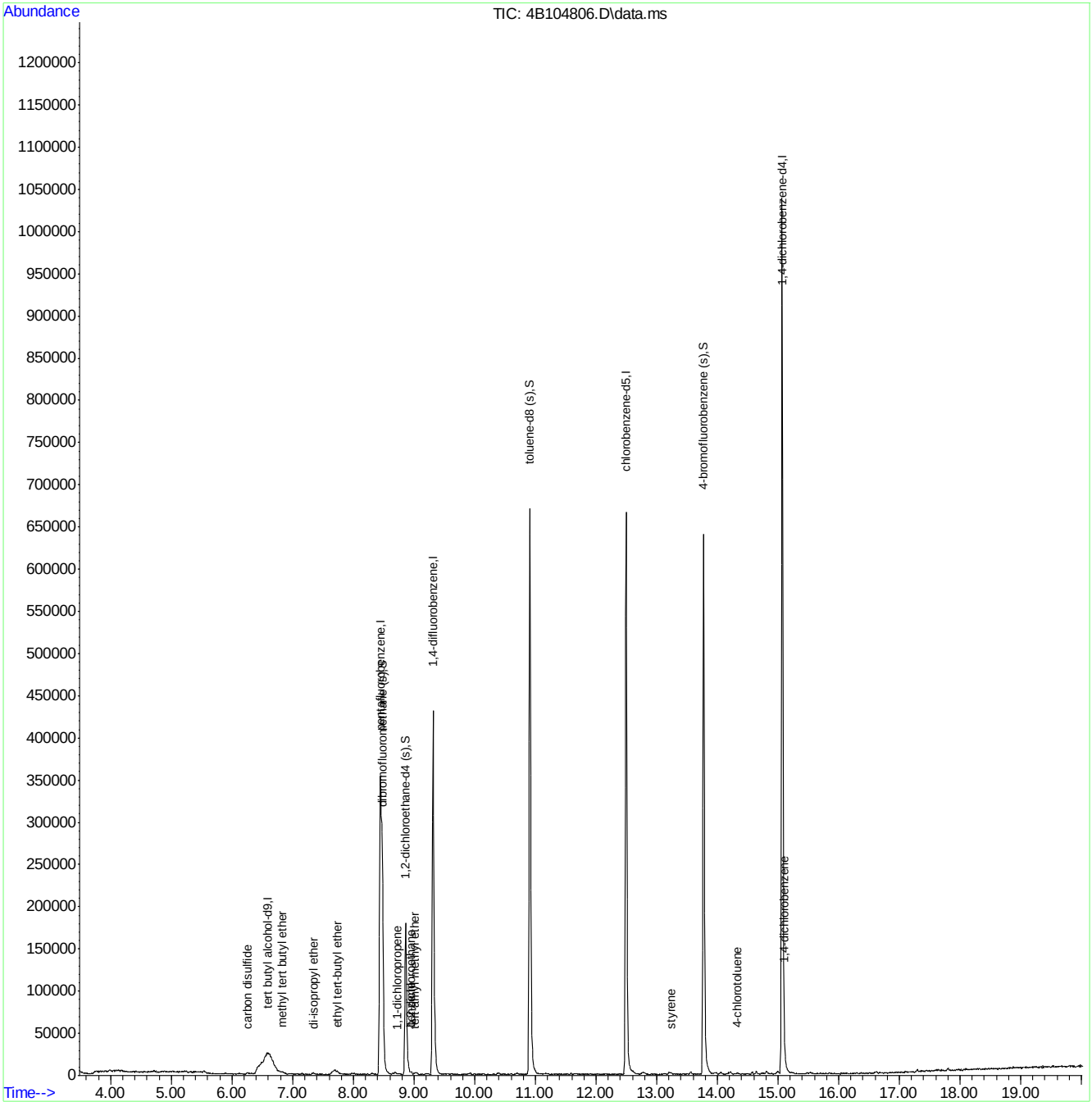
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.578	65	195663	500.00	ug/L		0.08
5) pentafluorobenzene	8.445	168	309286	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	398555	50.00	ug/L		0.00
73) chlorobenzene-d5	12.499	117	418479	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	317869	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	138129	49.93	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.86%				
53) 1,2-dichloroethane-d4 (s)	8.864	65	142086	49.32	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.64%				
74) toluene-d8 (s)	10.909	98	491473	47.89	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.78%				
97) 4-bromofluorobenzene (s)	13.770	95	223514	47.20	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.40%				
Target Compounds							Qvalue
21) carbon disulfide	6.254	76	2259	0.20	ug/L		67
24) methyl tert butyl ether	6.824	73	1478	0.19	ug/L		56
27) di-isopropyl ether	7.347	45	1821	0.17	ug/L		66
33) ethyl tert-butyl ether	7.739	59	1685	0.17	ug/L	#	64
48) 1,1-dichloropropene	8.728	75	592	0.17	ug/L	#	41
56) benzene	8.948	78	1708	0.17	ug/L		70
57) tert-amyl methyl ether	9.010	73	1844	0.19	ug/L		75
59) 1,2-dichloroethane	8.953	62	744	0.21	ug/L	#	48
91) styrene	13.236	104	1470	0.17	ug/L		70
104) 4-chlorotoluene	14.330	91	1957	0.16	ug/L		90
112) 1,4-dichlorobenzene	15.098	146	1781	0.18	ug/L	#	57

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104806.D
Acq On : 16 Jun 2021 5:57 pm
Operator : EddieH
Sample : ic4538-0.2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 21 11:21:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104807.D
Acq On : 16 Jun 2021 6:25 pm
Operator : EddieH
Sample : ic4538-0.5
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 15:03:37 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.495	65	180953	500.00	ug/L		0.00
5) pentafluorobenzene	8.445	168	346684	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	434249	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	437114	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	321005	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	154004	49.66	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.32%				
53) 1,2-dichloroethane-d4 (s)	8.864	65	154886	49.34	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.68%				
74) toluene-d8 (s)	10.909	98	525897	49.06	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.12%				
97) 4-bromofluorobenzene (s)	13.770	95	230792	48.26	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.52%				
Target Compounds							Qvalue
8) chloromethane	3.979	50	3359	0.46	ug/L		87
12) chloroethane	4.831	64	1367	0.47	ug/L	#	44
13) trichlorofluoromethane	5.239	101	3100	0.39	ug/L		76
17) 1,1-dichloroethene	5.904	61	1910	0.38	ug/L	#	82
20) iodomethane	6.113	142	2944	0.40	ug/L		86
21) carbon disulfide	6.259	76	5162	0.42	ug/L		79
22) methylene chloride	6.489	84	1459	0.43	ug/L		88
24) methyl tert butyl ether	6.819	73	3743	0.43	ug/L		77
26) hexane	7.154	56	1117	0.45	ug/L	#	46
27) di-isopropyl ether	7.331	45	4909	0.40	ug/L		91
29) 1,1-dichloroethane	7.331	63	2098	0.38	ug/L		83
33) ethyl tert-butyl ether	7.734	59	4410	0.40	ug/L		79
35) 2,2-dichloropropane	8.011	77	2637	0.42	ug/L		68
36) cis-1,2-dichloroethene	7.954	96	1438	0.46	ug/L	#	49
40) bromochloromethane	8.231	128	594	0.34	ug/L	#	53
42) chloroform	8.304	83	2392	0.43	ug/L		80
45) 1,1,1-trichloroethane	8.560	97	2655	0.37	ug/L		93
46) cyclohexane	8.681	84	2611	0.41	ug/L	#	78
48) 1,1-dichloropropene	8.723	75	1439	0.37	ug/L		88
55) 2,2,4-trimethylpentane	9.036	57	4071	0.33	ug/L		79
56) benzene	8.937	78	4616	0.41	ug/L		86
57) tert-amyl methyl ether	9.016	73	4276	0.40	ug/L		85
58) heptane	9.193	57	805	0.37	ug/L	#	57
59) 1,2-dichloroethane	8.953	62	1813	0.48	ug/L		88
65) 1,2-dichloropropane	9.889	63	1260	0.41	ug/L		85
66) dibromomethane	9.988	93	759	0.43	ug/L		94
67) bromodichloromethane	10.135	83	1679	0.41	ug/L	#	55
75) toluene	10.982	92	2769	0.39	ug/L	#	66
77) trans-1,3-dichloropropene	11.170	75	1473	0.36	ug/L	#	69
78) 1,1,2-trichloroethane	11.395	83	763	0.36	ug/L	#	76
81) 1,3-dichloropropane	11.584	76	1485	0.38	ug/L		77
83) dibromochloromethane	11.850	129	1364	0.39	ug/L		76

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104807.D
Acq On : 16 Jun 2021 6:25 pm
Operator : EddieH
Sample : ic4538-0.5
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 15:03:37 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

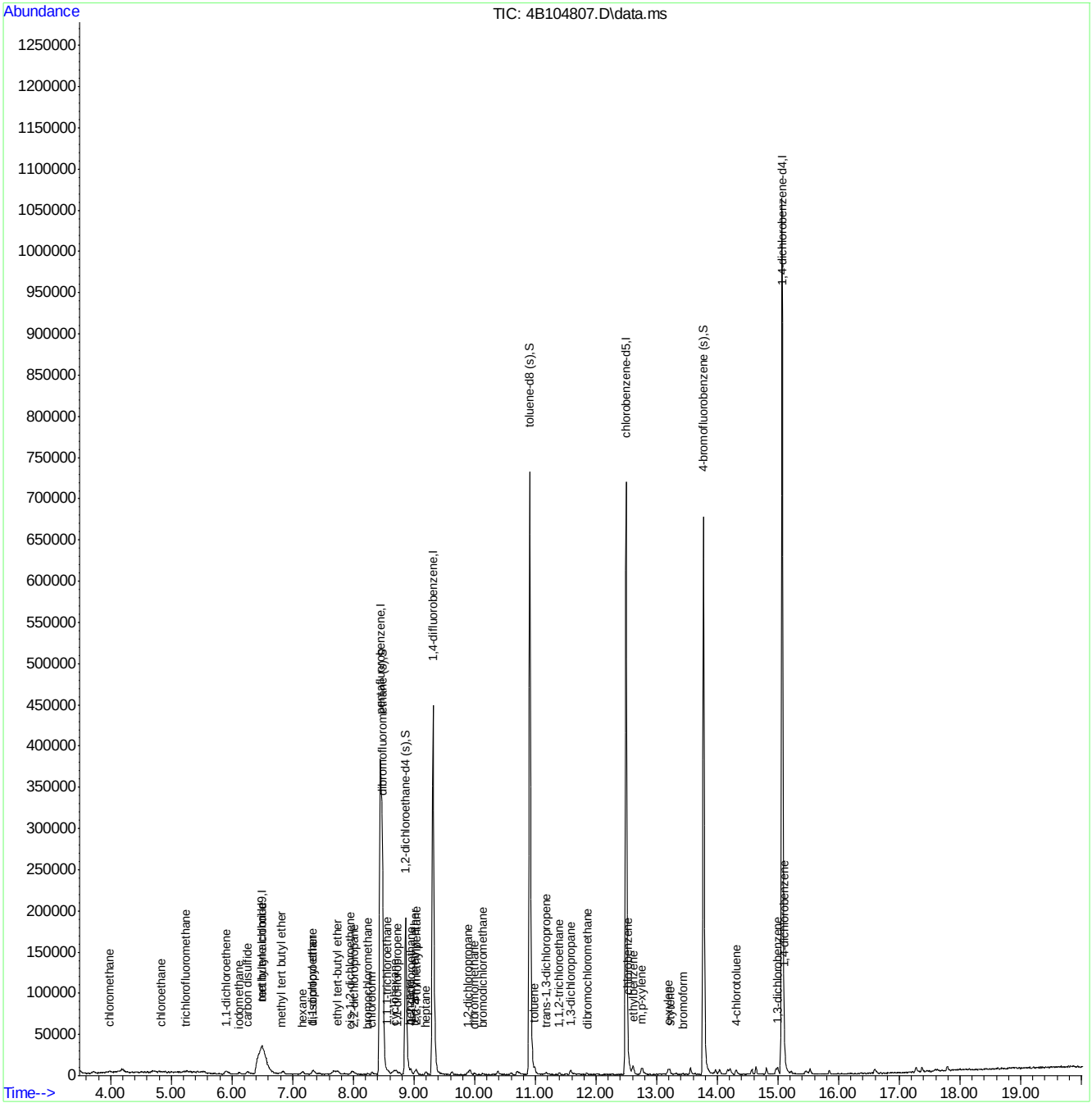
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) chlorobenzene	12.530	112	3265	0.39	ug/L	95
88) ethylbenzene	12.614	91	5805	0.38	ug/L	97
89) m,p-xylene	12.755	106	4615	0.79	ug/L	82
90) o-xylene	13.189	91	5257	0.39	ug/L	91
91) styrene	13.221	104	3014	0.34	ug/L	93
94) bromoform	13.435	173	1030	0.38	ug/L	67
104) 4-chlorotoluene	14.314	91	4835	0.39	ug/L	91
110) 1,3-dichlorobenzene	14.999	146	3674	0.38	ug/L	90
112) 1,4-dichlorobenzene	15.098	146	4055	0.41	ug/L	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104807.D
Acq On : 16 Jun 2021 6:25 pm
Operator : EddieH
Sample : ic4538-0.5
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 15:03:37 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 06/21/21 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104808.D
Acq On : 16 Jun 2021 6:53 pm
Operator : EddieH
Sample : ic4538-1
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 15:04:59 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.479	65	183254	500.00	ug/L		-0.02
5) pentafluorobenzene	8.446	168	341760	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	423470	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	437757	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	315536	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	150872	49.35	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.70%				
53) 1,2-dichloroethane-d4 (s)	8.864	65	150887	49.29	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.58%				
74) toluene-d8 (s)	10.909	98	517727	48.23	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.46%				
97) 4-bromofluorobenzene (s)	13.770	95	229117	48.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.48%				
Target Compounds							Qvalue
6) chlorodifluoromethane	3.707	51	5082	0.82	ug/L		89
8) chloromethane	3.974	50	6621	0.92	ug/L		98
9) vinyl chloride	4.178	62	5802	0.84	ug/L		72
11) bromomethane	4.716	94	4656	1.00	ug/L		90
12) chloroethane	4.847	64	2996	1.06	ug/L		91
13) trichlorofluoromethane	5.218	101	5957	0.77	ug/L	#	59
14) ethyl ether	5.532	74	1137	0.92	ug/L	#	51
17) 1,1-dichloroethene	5.888	61	4000	0.81	ug/L		92
20) iodomethane	6.118	142	6361	0.87	ug/L		94
21) carbon disulfide	6.254	76	11168	0.91	ug/L		98
22) methylene chloride	6.489	84	2969	0.88	ug/L		94
24) methyl tert butyl ether	6.814	73	8356	0.97	ug/L		90
25) trans-1,2-dichloroethene	6.840	61	3730	0.84	ug/L		92
26) hexane	7.164	56	2007	0.82	ug/L	#	79
27) di-isopropyl ether	7.332	45	10539	0.88	ug/L		93
29) 1,1-dichloroethane	7.337	63	4650	0.86	ug/L		90
33) ethyl tert-butyl ether	7.734	59	9286	0.86	ug/L		94
35) 2,2-dichloropropane	8.011	77	5340	0.85	ug/L		97
36) cis-1,2-dichloroethene	7.975	96	2887	0.93	ug/L	#	73
40) bromochloromethane	8.221	128	1493	0.87	ug/L	#	72
42) chloroform	8.304	83	5303	0.98	ug/L		89
45) 1,1,1-trichloroethane	8.566	97	5406	0.77	ug/L		93
46) cyclohexane	8.691	84	4680	0.75	ug/L		85
48) 1,1-dichloropropene	8.723	75	3332	0.87	ug/L		93
49) carbon tetrachloride	8.754	117	4769	0.77	ug/L		97
55) 2,2,4-trimethylpentane	9.037	57	8948	0.75	ug/L		93
56) benzene	8.948	78	9465	0.86	ug/L		94
57) tert-amyl methyl ether	9.021	73	8636	0.84	ug/L		92
58) heptane	9.183	57	1776	0.83	ug/L	#	73
59) 1,2-dichloroethane	8.953	62	3632	0.98	ug/L		92
60) ethyl acrylate	9.638	55	2402	0.86	ug/L		81
61) trichloroethene	9.622	95	2259	0.78	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104808.D
Acq On : 16 Jun 2021 6:53 pm
Operator : EddieH
Sample : ic4538-1
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 15:04:59 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

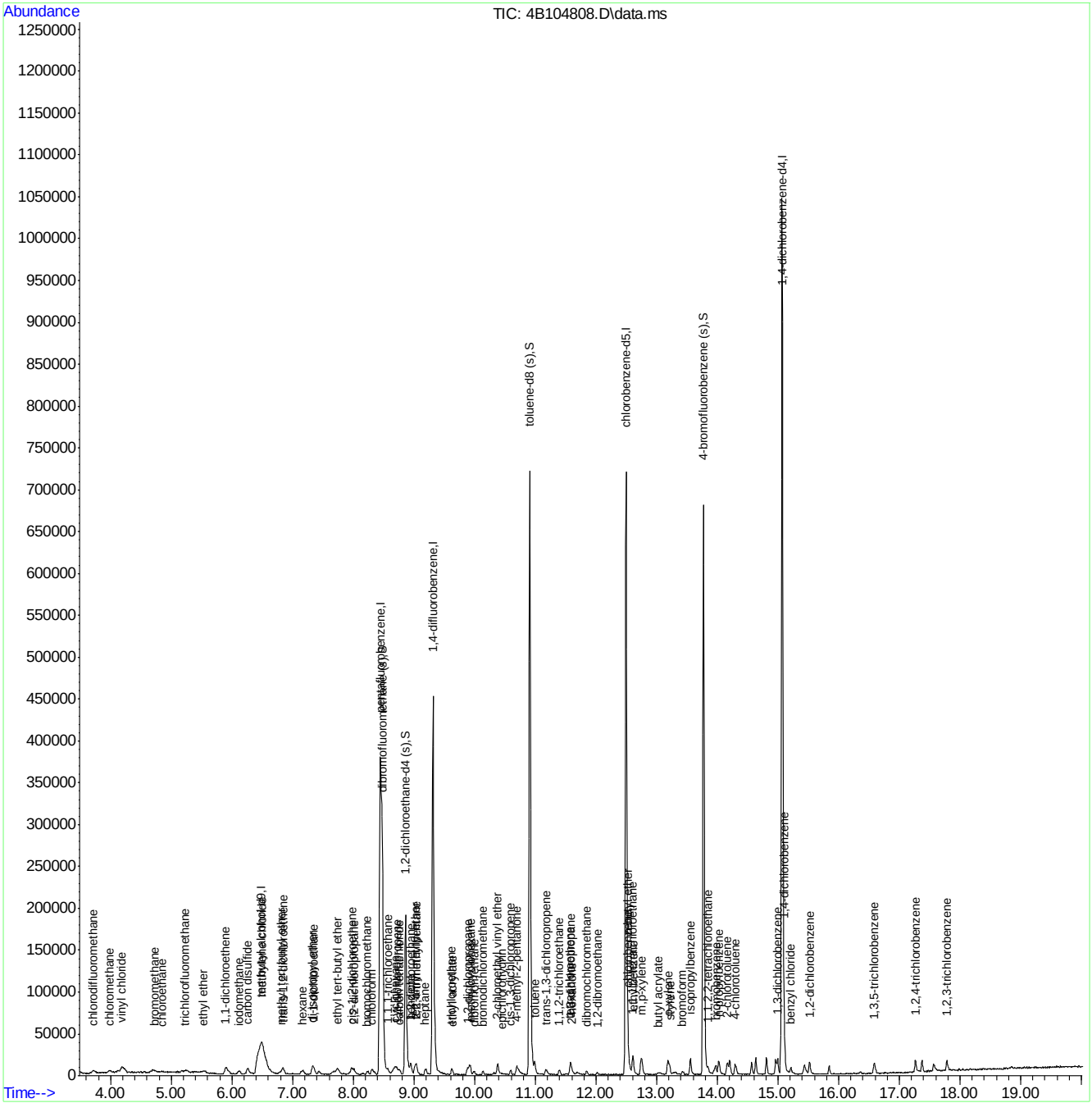
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
62) 2-chloroethyl vinyl ether	10.376	63	6139	3.91	ug/L		92
64) methylcyclohexane	9.926	83	5223	0.76	ug/L		93
65) 1,2-dichloropropane	9.884	63	2871	0.97	ug/L		93
66) dibromomethane	9.994	93	1564	0.91	ug/L		88
67) bromodichloromethane	10.130	83	3342	0.84	ug/L		88
69) epichlorohydrin	10.454	57	1022	4.18	ug/L		53
70) cis-1,3-dichloropropene	10.590	75	3611	0.81	ug/L		95
71) 4-methyl-2-pentanone	10.695	58	3415	3.29	ug/L		91
75) toluene	10.993	92	5945	0.83	ug/L		91
77) trans-1,3-dichloropropene	11.171	75	3237	0.80	ug/L	#	67
78) 1,1,2-trichloroethane	11.395	83	1800	0.85	ug/L		88
79) tetrachloroethene	11.573	164	2369	0.77	ug/L		87
80) 2-hexanone	11.599	58	2765m	3.15	ug/L		
81) 1,3-dichloropropane	11.578	76	3612	0.93	ug/L		71
83) dibromochloromethane	11.840	129	2863	0.83	ug/L		90
84) 1,2-dibromoethane	12.018	107	2317	0.85	ug/L		84
85) n-butyl ether	12.520	57	11933	0.85	ug/L		90
86) chlorobenzene	12.530	112	7327	0.87	ug/L		96
87) 1,1,1,2-tetrachloroethane	12.598	131	3408	0.80	ug/L		96
88) ethylbenzene	12.614	91	13351	0.87	ug/L		98
89) m,p-xylene	12.755	106	9736	1.66	ug/L		83
90) o-xylene	13.184	91	11848	0.87	ug/L		90
91) styrene	13.216	104	6868	0.76	ug/L		88
92) butyl acrylate	13.022	55	4658	0.80	ug/L		83
93) isopropylbenzene	13.555	105	14896	0.80	ug/L		93
94) bromoform	13.419	173	2322	0.85	ug/L		96
98) 1,1,2,2-tetrachloroethane	13.843	83	3516	0.82	ug/L		97
101) bromobenzene	13.979	156	4171	0.84	ug/L		86
102) n-propylbenzene	14.021	91	17142	0.79	ug/L		91
103) 2-chlorotoluene	14.162	126	3727	0.80	ug/L		93
104) 4-chlorotoluene	14.293	91	10489	0.86	ug/L		86
110) 1,3-dichlorobenzene	14.994	146	8479	0.89	ug/L		96
112) 1,4-dichlorobenzene	15.093	146	8823	0.91	ug/L		97
113) 1,2-dichlorobenzene	15.517	146	8679	0.85	ug/L		93
114) benzyl chloride	15.203	91	7523	0.82	ug/L		84
118) 1,3,5-trichlorobenzene	16.584	180	7373	0.74	ug/L		99
119) 1,2,4-trichlorobenzene	17.264	180	6533	0.66	ug/L		98
122) 1,2,3-trichlorobenzene	17.787	180	6317	0.72	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104808.D
Acq On : 16 Jun 2021 6:53 pm
Operator : EddieH
Sample : ic4538-1
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 15:04:59 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

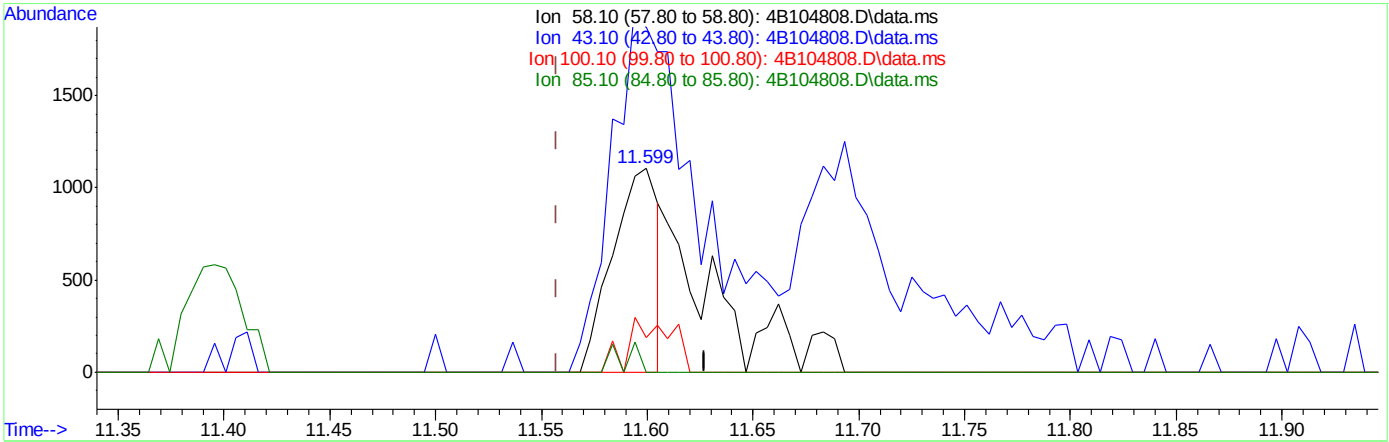
Sample Number:	V4B4538-IC4538	**Method:**	SW846 8260D
Lab FileID:	4B104808.D	**Analyst approved:**	06/17/21 16:05 Bridget Kelly
Injection Time:	06/16/21 18:53	**Supervisor approved:**	06/21/21 11:19 Kanya Veerawat

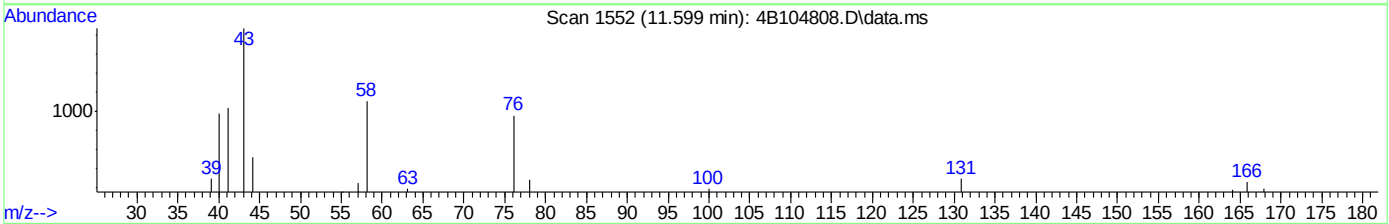
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Hexanone	591-78-6		11.60	Split peak

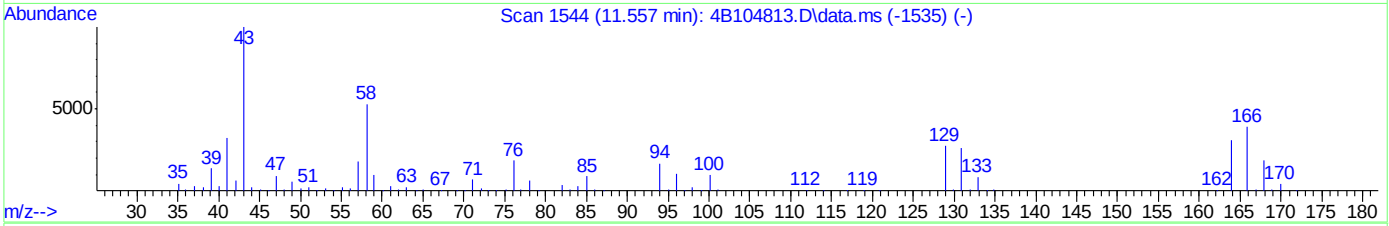
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104808.D
Acq On : 16 Jun 2021 6:53 pm
Operator : EddieH
Sample : ic4538-1
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 09:06:59 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration







TIC: 4B104808.D\data.ms

(80) 2-hexanone

11.599min (+0.042) 1.87ug/L

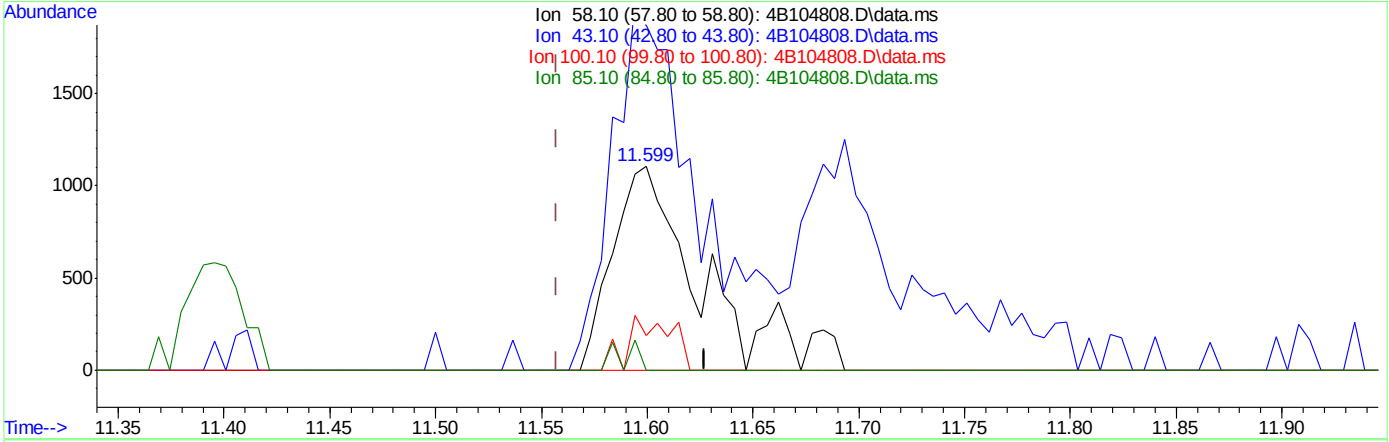
response 1638

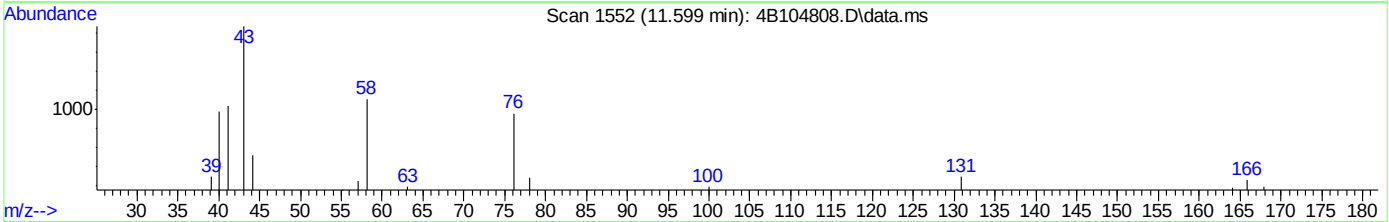
Ion	Exp%	Act%
58.10	100	100
43.10	188.70	168.83
100.10	17.70	17.07
85.10	16.40	0.00

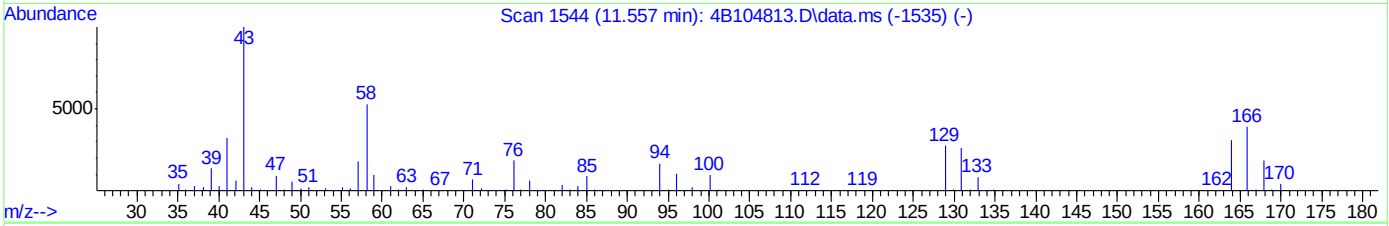
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104808.D
Acq On : 16 Jun 2021 6:53 pm
Operator : EddieH
Sample : ic4538-1
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 09:06:59 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration







TIC: 4B104808.D\data.ms

(80) 2-hexanone

11.599min (+0.042) 3.15ug/L m

response 2765

Ion	Exp%	Act%
58.10	100	100
43.10	188.70	168.83
100.10	17.70	17.07
85.10	16.40	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 06/22/21 18:03

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 17:13:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.469	65	162056	500.00	ug/L		-0.02
5) pentafluorobenzene	8.446	168	333068	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.309	114	406320	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	413944	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	295583	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.472	113	145005	49.08	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.16%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	145737	50.25	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.50%				
74) toluene-d8 (s)	10.909	98	495481	49.14	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.28%				
97) 4-bromofluorobenzene (s)	13.770	95	217427	50.09	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.18%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.552	59	3620m	11.13	ug/L		
6) chlorodifluoromethane	3.712	51	11326	2.18	ug/L		96
7) dichlorodifluoromethane	3.686	85	13428	2.01	ug/L		96
8) chloromethane	3.984	50	14039	2.25	ug/L		97
9) vinyl chloride	4.172	62	13000	2.25	ug/L		96
11) bromomethane	4.696	94	9260	2.23	ug/L		79
12) chloroethane	4.842	64	5860	2.29	ug/L		84
13) trichlorofluoromethane	5.245	101	14370	2.29	ug/L		95
14) ethyl ether	5.532	74	2193	2.05	ug/L		90
17) 1,1-dichloroethene	5.893	61	9846	2.34	ug/L		96
18) acetone	5.893	58	1727	9.09	ug/L	#	69
20) iodomethane	6.113	142	13589	2.17	ug/L		98
21) carbon disulfide	6.249	76	23636	2.20	ug/L		99
22) methylene chloride	6.489	84	6370	2.17	ug/L		88
23) methyl acetate	6.285	43	3674	2.18	ug/L		75
24) methyl tert butyl ether	6.829	73	17744	2.30	ug/L		91
25) trans-1,2-dichloroethene	6.845	61	8828	2.27	ug/L		89
26) hexane	7.164	56	4607	2.25	ug/L	#	72
27) di-isopropyl ether	7.337	45	22777	2.21	ug/L		96
28) 2-butanone	7.933	72	1054	5.84	ug/L	#	69
29) 1,1-dichloroethane	7.321	63	10439	2.25	ug/L		96
30) chloroprene	7.426	53	7839	2.21	ug/L		81
33) ethyl tert-butyl ether	7.745	59	20587	2.23	ug/L		93
35) 2,2-dichloropropane	8.001	77	12090	2.26	ug/L		86
36) cis-1,2-dichloroethene	7.964	96	6182	2.23	ug/L		85
37) propionitrile	7.949	54	6093	20.98	ug/L		90
39) methacrylonitrile	8.137	67	1425	1.89	ug/L	#	69
40) bromochloromethane	8.236	128	3110	2.14	ug/L		88
42) chloroform	8.304	83	10835	2.25	ug/L		94
43) tert-butyl formate	8.341	59	5113	1.97	ug/L		88
45) 1,1,1-trichloroethane	8.571	97	12745	2.22	ug/L		93
46) cyclohexane	8.686	84	11155	2.23	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 17:13:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,1-dichloropropene	8.718	75	7476	2.30	ug/L		93
49) carbon tetrachloride	8.759	117	11354	2.20	ug/L		93
54) n-butyl alcohol	9.398	41	5762	106.38	ug/L		86
55) 2,2,4-trimethylpentane	9.037	57	19435	2.08	ug/L		98
56) benzene	8.937	78	19888	2.17	ug/L		95
57) tert-amyl methyl ether	9.016	73	18807	2.17	ug/L		97
58) heptane	9.188	57	3959	2.25	ug/L		87
59) 1,2-dichloroethane	8.948	62	7151	2.16	ug/L		96
60) ethyl acrylate	9.617	55	4357	1.88	ug/L		86
61) trichloroethene	9.617	95	5568	2.30	ug/L		89
62) 2-chloroethyl vinyl ether	10.365	63	13704	10.62	ug/L		89
63) methyl methacrylate	9.863	100	866	1.85	ug/L	#	79
64) methylcyclohexane	9.921	83	12060	2.17	ug/L		92
65) 1,2-dichloropropane	9.884	63	5749	2.25	ug/L		95
66) dibromomethane	9.983	93	3170	2.14	ug/L		89
67) bromodichloromethane	10.135	83	7211	2.17	ug/L		98
68) 2-nitropropane	10.318	41	956	2.02	ug/L		90
69) epichlorohydrin	10.454	57	2159	10.54	ug/L		91
70) cis-1,3-dichloropropene	10.595	75	7857	2.13	ug/L		96
71) 4-methyl-2-pentanone	10.695	58	7512	8.60	ug/L	#	67
72) isoamyl alcohol	10.721	70	2426	36.97	ug/L	#	16
75) toluene	10.987	92	13433	2.25	ug/L		98
76) ethyl methacrylate	11.186	69	4879	1.92	ug/L		82
77) trans-1,3-dichloropropene	11.171	75	7141	2.18	ug/L		87
78) 1,1,2-trichloroethane	11.395	83	3635	2.11	ug/L		92
79) tetrachloroethene	11.568	164	5133	2.05	ug/L		90
80) 2-hexanone	11.579	58	5666	8.22	ug/L		93
81) 1,3-dichloropropane	11.579	76	7076	2.17	ug/L		87
82) butyl acetate	11.673	56	2413	1.73	ug/L	#	59
83) dibromochloromethane	11.845	129	5599	2.00	ug/L		94
84) 1,2-dibromoethane	12.013	107	5027	2.20	ug/L		89
85) n-butyl ether	12.520	57	24791	2.11	ug/L		99
86) chlorobenzene	12.525	112	15217	2.16	ug/L		91
87) 1,1,1,2-tetrachloroethane	12.598	131	6957	1.99	ug/L		92
88) ethylbenzene	12.604	91	26710	2.13	ug/L		96
89) m,p-xylene	12.740	106	21257	4.39	ug/L		96
90) o-xylene	13.174	91	23527	2.09	ug/L		91
91) styrene	13.200	104	14600	2.05	ug/L		87
92) butyl acrylate	13.006	55	9860	2.06	ug/L		91
93) isopropylbenzene	13.556	105	32489	2.14	ug/L		98
94) bromoform	13.430	173	4343	1.97	ug/L		97
98) 1,1,2,2-tetrachloroethane	13.848	83	7326	2.10	ug/L		97
100) 1,2,3-trichloropropane	13.937	110	1989	2.13	ug/L	#	72
101) bromobenzene	13.969	156	9033	2.21	ug/L		90
102) n-propylbenzene	14.021	91	37262	2.12	ug/L		96
103) 2-chlorotoluene	14.157	126	7665	2.04	ug/L		90
104) 4-chlorotoluene	14.288	91	22182	2.23	ug/L		97
105) 1,3,5-trimethylbenzene	14.199	105	26690	1.98	ug/L		98
106) tert-butylbenzene	14.565	119	20975	1.93	ug/L		95
107) 1,2,4-trimethylbenzene	14.628	105	27645	1.98	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 17:13:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

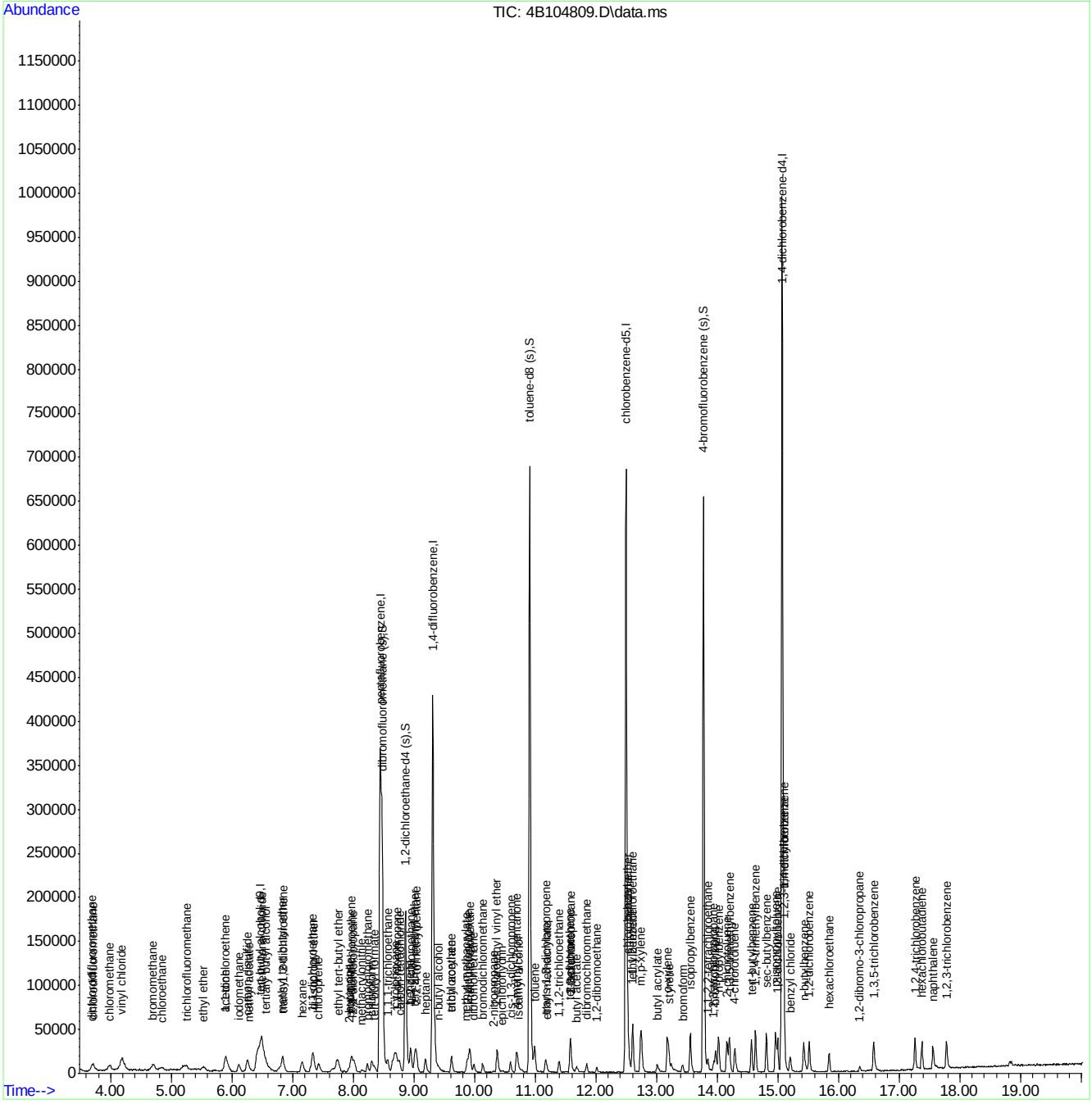
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.811	105	34265	1.95	ug/L	98
109) p-isopropyltoluene	14.957	119	31633	2.00	ug/L	99
110) 1,3-dichlorobenzene	14.994	146	17415	2.20	ug/L	94
111) 1,2,3-trimethylbenzene	15.098	105	29215	1.99	ug/L	92
112) 1,4-dichlorobenzene	15.093	146	18298	2.23	ug/L	97
113) 1,2-dichlorobenzene	15.512	146	17544	2.08	ug/L	98
114) benzyl chloride	15.203	91	15252	2.05	ug/L	97
115) n-butylbenzene	15.428	92	15911	2.07	ug/L	95
116) hexachloroethane	15.841	201	4062	2.58	ug/L	91
117) 1,2-dibromo-3-chloropr...	16.348	157	1991	1.86	ug/L	88
118) 1,3,5-trichlorobenzene	16.579	180	16384	2.04	ug/L	92
119) 1,2,4-trichlorobenzene	17.259	180	15304	1.99	ug/L	97
120) hexachlorobutadiene	17.374	225	7612	2.07	ug/L	88
121) naphthalene	17.557	128	29321	1.97	ug/L	98
122) 1,2,3-trichlorobenzene	17.782	180	12963	1.90	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 17:13:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration



Manual Integration Approval Summary

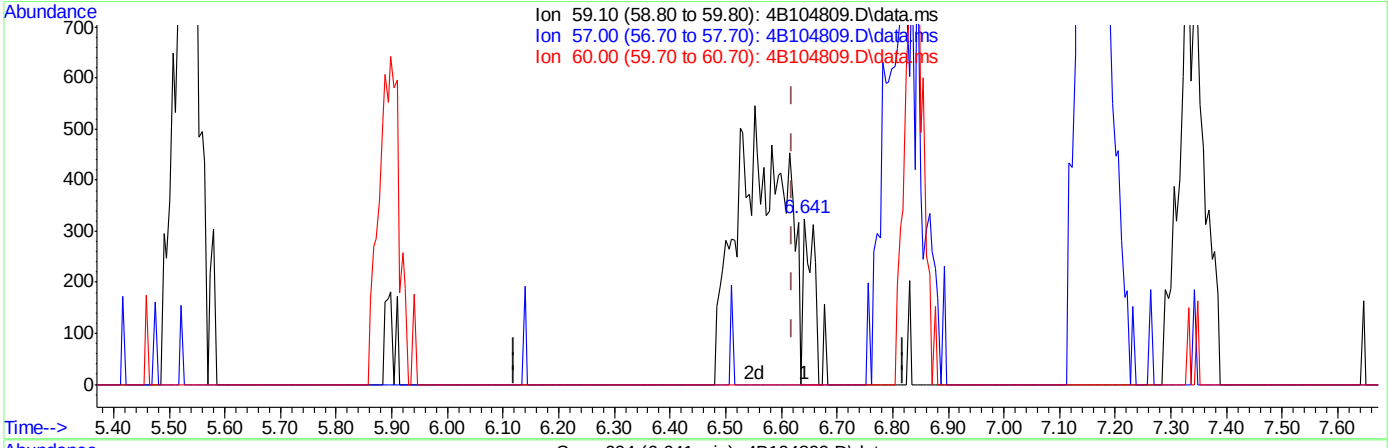
Sample Number:	V4B4538-IC4538	**Method:**	SW846 8260D
Lab FileID:	4B104809.D	**Analyst approved:**	06/22/21 17:17 Bridget Kelly
Injection Time:	06/16/21 19:21	**Supervisor approved:**	06/22/21 18:03 Kanya Veerawat

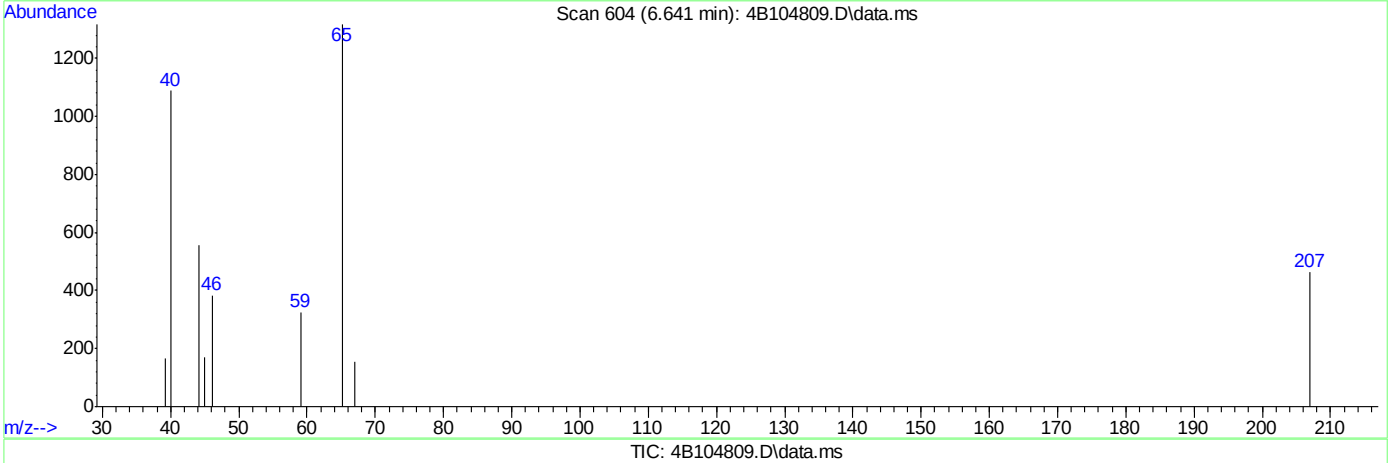
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert Butyl Alcohol	75-65-0		6.55	Split peak

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 18 14:41:05 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration





TIC: 4B104809.D\data.ms

(3) tertiary butyl alcohol

6.641min (+0.021) 1.29ug/L

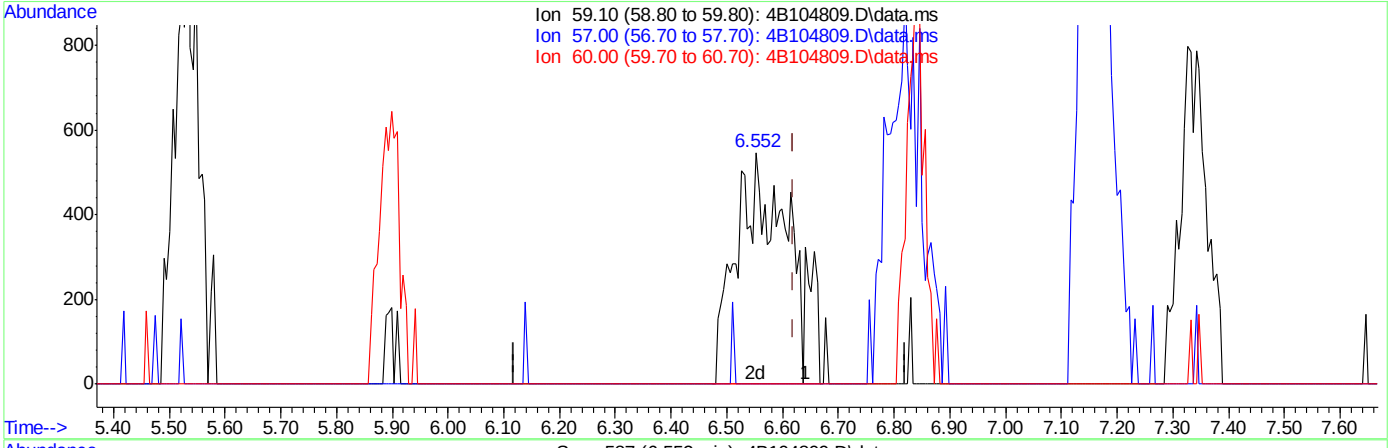
response 418

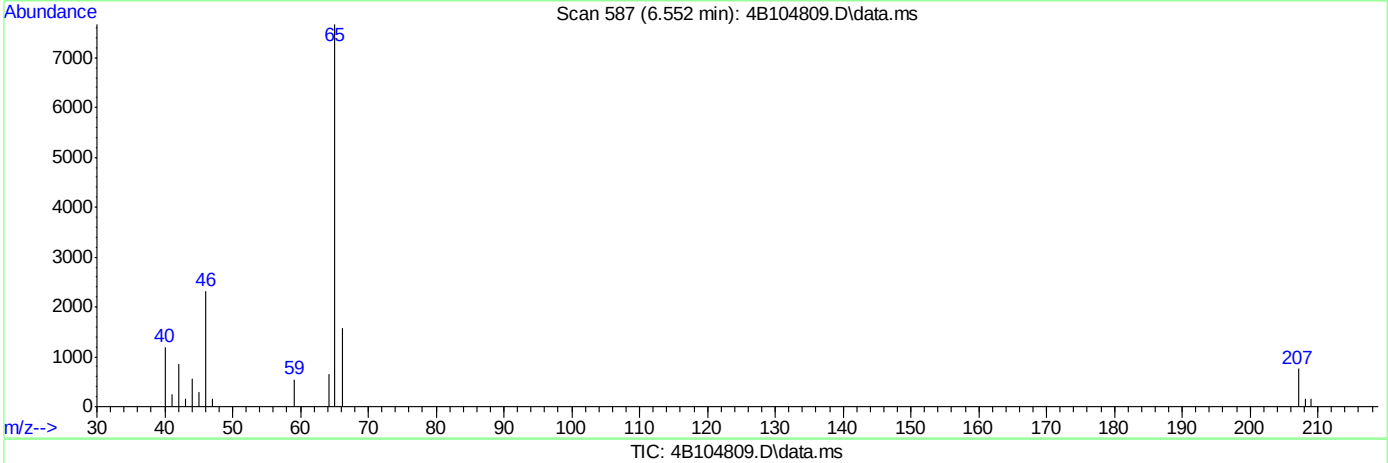
Ion	Exp%	Act%
59.10	100	100
57.00	10.60	0.00
60.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104809.D
Acq On : 16 Jun 2021 7:21 pm
Operator : EddieH
Sample : ic4538-2
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 17:13:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:13 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration





TIC: 4B104809.D\data.ms

(3) tertiary butyl alcohol

6.552min (-0.068) 11.13ug/L m

response 3620

Ion	Exp%	Act%
59.10	100	100
57.00	10.60	0.00
60.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104810.D
Acq On : 16 Jun 2021 7:49 pm
Operator : EddieH
Sample : ic4538-4
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:44:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.484	65	174548	500.00	ug/L		0.00
5) pentafluorobenzene	8.445	168	332776	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	409831	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	411175	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	298376	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	146221	49.53	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.06%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	149819	51.21	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.42%				
74) toluene-d8 (s)	10.909	98	499228	49.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.68%				
97) 4-bromofluorobenzene (s)	13.770	95	217789	49.70	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.40%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.547	59	6435	18.37	ug/L		75
4) 1,4-dioxane	9.962	88	2723	84.64	ug/L		95
6) chlorodifluoromethane	3.707	51	18256	3.52	ug/L		91
7) dichlorodifluoromethane	3.691	85	23095	3.46	ug/L		98
8) chloromethane	3.984	50	22993	3.69	ug/L		98
9) vinyl chloride	4.188	62	20951	3.63	ug/L		98
10) 1,3-butadiene	4.209	54	15721	3.85	ug/L		99
11) bromomethane	4.701	94	15688	3.78	ug/L		87
12) chloroethane	4.826	64	9391	3.68	ug/L		92
13) trichlorofluoromethane	5.245	101	22408	3.58	ug/L		96
14) ethyl ether	5.527	74	3842	3.59	ug/L	#	78
15) acrolein	5.731	56	1273	3.09	ug/L		95
16) freon 113	5.935	151	12489	3.67	ug/L		87
17) 1,1-dichloroethene	5.893	61	16073	3.82	ug/L		97
18) acetone	5.883	58	3054	16.10	ug/L	#	68
19) acetonitrile	6.249	41	13526	40.80	ug/L		85
20) iodomethane	6.113	142	24084	3.85	ug/L		94
21) carbon disulfide	6.254	76	39556	3.68	ug/L		98
22) methylene chloride	6.489	84	11304	3.86	ug/L		96
23) methyl acetate	6.275	43	7037	4.17	ug/L		87
24) methyl tert butyl ether	6.808	73	30172	3.92	ug/L		94
25) trans-1,2-dichloroethene	6.840	61	14529	3.74	ug/L		95
26) hexane	7.154	56	7074	3.45	ug/L		91
27) di-isopropyl ether	7.337	45	38548	3.75	ug/L		96
28) 2-butanone	7.928	72	2512	13.93	ug/L	#	73
29) 1,1-dichloroethane	7.337	63	17516	3.78	ug/L		97
30) chloroprene	7.436	53	12664	3.58	ug/L		92
33) ethyl tert-butyl ether	7.739	59	35491	3.85	ug/L		94
34) ethyl acetate	7.933	45	1225	3.77	ug/L	#	21
35) 2,2-dichloropropane	8.006	77	19603	3.67	ug/L		91
36) cis-1,2-dichloroethene	7.964	96	10534	3.80	ug/L		96
37) propionitrile	7.954	54	10941	37.71	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104810.D
Acq On : 16 Jun 2021 7:49 pm
Operator : EddieH
Sample : ic4538-4
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:44:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) methyl acrylate	8.017	85	495	3.37	ug/L	#	27
39) methacrylonitrile	8.142	67	2742	3.65	ug/L	#	73
40) bromochloromethane	8.231	128	5797	3.99	ug/L		88
42) chloroform	8.304	83	17868	3.71	ug/L		97
43) tert-butyl formate	8.351	59	9459	3.65	ug/L		92
45) 1,1,1-trichloroethane	8.571	97	20670	3.60	ug/L		98
46) cyclohexane	8.686	84	18195	3.63	ug/L		91
48) 1,1-dichloropropene	8.717	75	12048	3.72	ug/L		93
49) carbon tetrachloride	8.759	117	18740	3.63	ug/L		90
50) tert-amyl alcohol	8.817	73	3416	26.20	ug/L	#	67
51) isopropyl acetate	8.848	87	1426	3.26	ug/L	#	26
54) n-butyl alcohol	9.376	41	11383	208.35	ug/L	#	76
55) 2,2,4-trimethylpentane	9.037	57	32525	3.45	ug/L		94
56) benzene	8.942	78	35014	3.79	ug/L		92
57) tert-amyl methyl ether	9.021	73	32220	3.69	ug/L		97
58) heptane	9.193	57	6557	3.70	ug/L	#	84
59) 1,2-dichloroethane	8.942	62	12572	3.76	ug/L		93
60) ethyl acrylate	9.612	55	8926	3.82	ug/L		95
61) trichloroethene	9.617	95	8878	3.64	ug/L		92
62) 2-chloroethyl vinyl ether	10.365	63	23767	18.27	ug/L		98
63) methyl methacrylate	9.858	100	1654	3.50	ug/L	#	73
64) methylcyclohexane	9.926	83	19675	3.51	ug/L		87
65) 1,2-dichloropropane	9.879	63	9433	3.66	ug/L		98
66) dibromomethane	9.988	93	5663	3.80	ug/L		91
67) bromodichloromethane	10.135	83	12154	3.63	ug/L		88
68) 2-nitropropane	10.313	41	1503	3.15	ug/L		58
69) epichlorohydrin	10.454	57	4346	21.03	ug/L		88
70) cis-1,3-dichloropropene	10.585	75	13586	3.66	ug/L		94
71) 4-methyl-2-pentanone	10.689	58	13166	14.94	ug/L	#	86
72) isoamyl alcohol	10.695	70	5423	81.93	ug/L		85
75) toluene	10.987	92	22395	3.78	ug/L		91
76) ethyl methacrylate	11.176	69	8746	3.47	ug/L		99
77) trans-1,3-dichloropropene	11.165	75	11755	3.62	ug/L		96
78) 1,1,2-trichloroethane	11.390	83	6740	3.93	ug/L		88
79) tetrachloroethene	11.568	164	8805	3.54	ug/L		95
80) 2-hexanone	11.573	58	11256	16.43	ug/L		95
81) 1,3-dichloropropane	11.578	76	12309	3.80	ug/L		88
82) butyl acetate	11.683	56	5560	4.01	ug/L	#	71
83) dibromochloromethane	11.845	129	9903	3.55	ug/L		99
84) 1,2-dibromoethane	12.013	107	8257	3.63	ug/L		95
85) n-butyl ether	12.509	57	44248	3.79	ug/L		93
86) chlorobenzene	12.530	112	26563	3.80	ug/L		92
87) 1,1,1,2-tetrachloroethane	12.593	131	12266	3.53	ug/L		94
88) ethylbenzene	12.604	91	46968	3.76	ug/L		99
89) m,p-xylene	12.740	106	35136	7.30	ug/L		97
90) o-xylene	13.174	91	41808	3.74	ug/L		99
91) styrene	13.189	104	26800	3.79	ug/L		99
92) butyl acrylate	13.006	55	18066	3.80	ug/L		96
93) isopropylbenzene	13.555	105	53367	3.53	ug/L		96
94) bromoform	13.425	173	8089	3.70	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104810.D
Acq On : 16 Jun 2021 7:49 pm
Operator : EddieH
Sample : ic4538-4
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:44:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

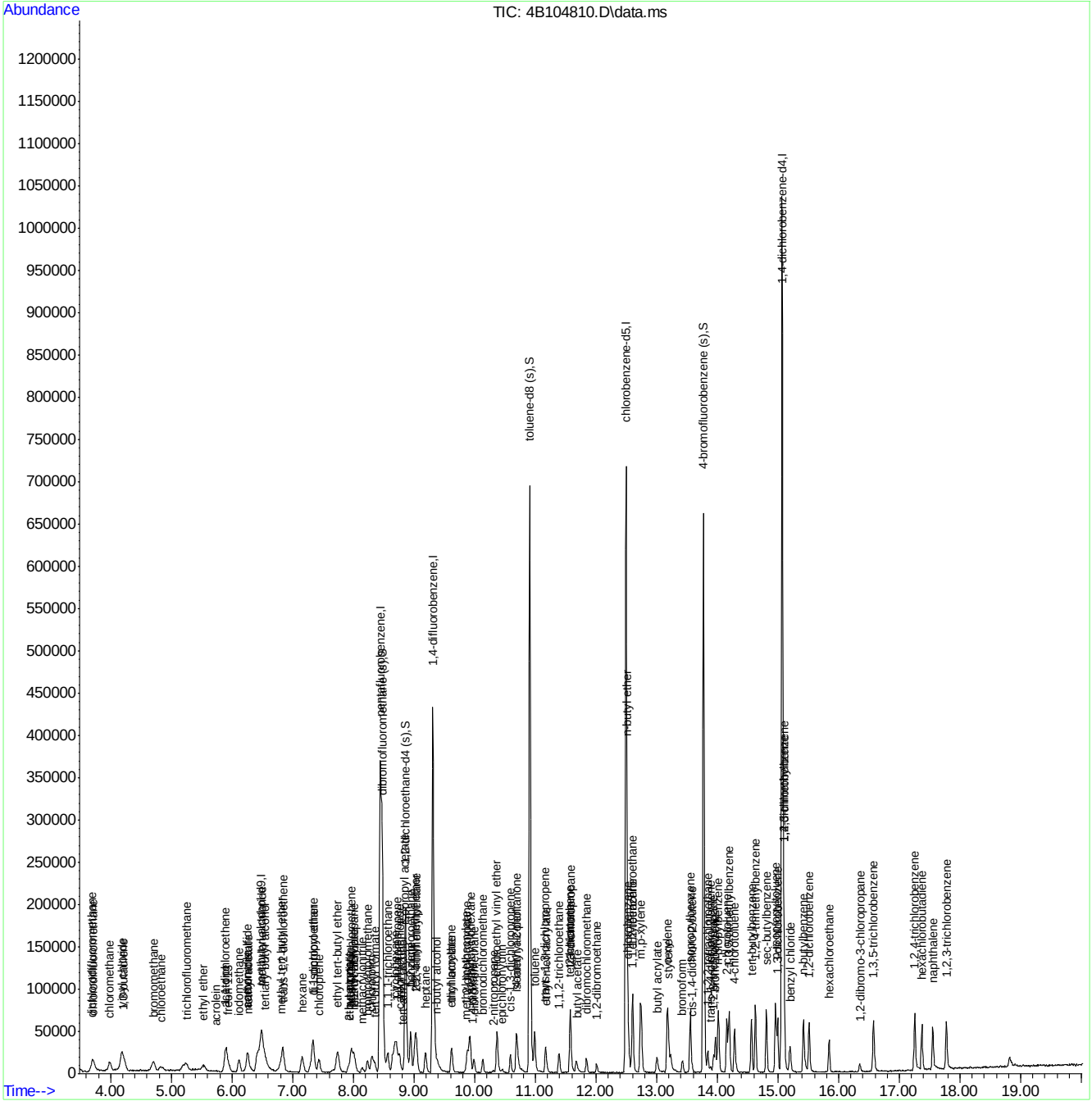
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95) cis-1,4-dichloro-2-butene	13.582	88	1855	4.39	ug/L		89
98) 1,1,2,2-tetrachloroethane	13.843	83	12677	3.60	ug/L		96
99) trans-1,4-dichloro-2-b...	13.890	53	1640	4.44	ug/L	#	65
100) 1,2,3-trichloropropane	13.937	110	3385	3.59	ug/L		88
101) bromobenzene	13.969	156	14341	3.48	ug/L		99
102) n-propylbenzene	14.016	91	62513	3.52	ug/L		99
103) 2-chlorotoluene	14.157	126	13682	3.60	ug/L		89
104) 4-chlorotoluene	14.282	91	37230	3.71	ug/L		98
105) 1,3,5-trimethylbenzene	14.194	105	45232	3.33	ug/L		97
106) tert-butylbenzene	14.565	119	33582	3.07	ug/L		99
107) 1,2,4-trimethylbenzene	14.628	105	48934	3.47	ug/L		95
108) sec-butylbenzene	14.811	105	57251	3.22	ug/L		96
109) p-isopropyltoluene	14.957	119	52683	3.29	ug/L		98
110) 1,3-dichlorobenzene	14.994	146	30235	3.78	ug/L		94
111) 1,2,3-trimethylbenzene	15.093	105	50672	3.42	ug/L		96
112) 1,4-dichlorobenzene	15.093	146	30761	3.71	ug/L		98
113) 1,2-dichlorobenzene	15.512	146	30493	3.57	ug/L		97
114) benzyl chloride	15.198	91	27141	3.61	ug/L		93
115) n-butylbenzene	15.417	92	26914	3.46	ug/L		96
116) hexachloroethane	15.846	201	6880	3.55	ug/L		86
117) 1,2-dibromo-3-chloropr...	16.354	157	3539	3.28	ug/L		91
118) 1,3,5-trichlorobenzene	16.568	180	27804	3.43	ug/L		98
119) 1,2,4-trichlorobenzene	17.253	180	26397	3.40	ug/L		97
120) hexachlorobutadiene	17.374	225	12327	3.32	ug/L		95
121) naphthalene	17.551	128	51508	3.43	ug/L		98
122) 1,2,3-trichlorobenzene	17.776	180	23070	3.35	ug/L		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104810.D
Acq On : 16 Jun 2021 7:49 pm
Operator : EddieH
Sample : ic4538-4
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 14:44:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104811.D
Acq On : 16 Jun 2021 8:17 pm
Operator : EddieH
Sample : ic4538-8
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:44:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.479	65	160150	500.00	ug/L		0.00
5) pentafluorobenzene	8.445	168	329541	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	409718	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	402270	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	289741	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	144758	49.52	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.04%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	149081	50.97	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.94%				
74) toluene-d8 (s)	10.909	98	498944	50.92	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.84%				
97) 4-bromofluorobenzene (s)	13.770	95	215251	50.58	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.16%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.583	59	11463	35.67	ug/L		72
4) 1,4-dioxane	9.946	88	5493	186.10	ug/L		96
6) chlorodifluoromethane	3.712	51	35133	6.84	ug/L		95
7) dichlorodifluoromethane	3.702	85	44218	6.69	ug/L		91
8) chloromethane	3.984	50	42679	6.91	ug/L		95
9) vinyl chloride	4.183	62	38477	6.74	ug/L		96
10) 1,3-butadiene	4.204	54	30023	7.42	ug/L		98
11) bromomethane	4.706	94	29001	7.06	ug/L		95
12) chloroethane	4.826	64	17532	6.94	ug/L		94
13) trichlorofluoromethane	5.239	101	42225	6.81	ug/L		98
14) ethyl ether	5.532	74	7703	7.27	ug/L		87
15) acrolein	5.720	56	3015	7.38	ug/L		94
16) freon 113	5.919	151	23943	7.11	ug/L		98
17) 1,1-dichloroethene	5.893	61	31762	7.63	ug/L		87
18) acetone	5.898	58	5520	29.38	ug/L	#	61
19) acetonitrile	6.243	41	25114	76.50	ug/L		86
20) iodomethane	6.118	142	45634	7.36	ug/L		97
21) carbon disulfide	6.259	76	77582	7.29	ug/L		98
22) methylene chloride	6.484	84	21678	7.48	ug/L		96
23) methyl acetate	6.280	43	12160	7.28	ug/L		95
24) methyl tert butyl ether	6.824	73	54862	7.20	ug/L		97
25) trans-1,2-dichloroethene	6.840	61	28452	7.40	ug/L		92
26) hexane	7.159	56	14042	6.92	ug/L		97
27) di-isopropyl ether	7.337	45	75033	7.37	ug/L		96
28) 2-butanone	7.901	72	4879	27.33	ug/L	#	64
29) 1,1-dichloroethane	7.331	63	34227	7.45	ug/L		97
30) chloroprene	7.431	53	24939	7.12	ug/L		92
31) acrylonitrile	6.740	53	4577	6.25	ug/L		77
32) vinyl acetate	7.300	86	2284	6.64	ug/L	#	88
33) ethyl tert-butyl ether	7.739	59	67166	7.36	ug/L		98
34) ethyl acetate	7.928	45	2273	7.07	ug/L	#	71
35) 2,2-dichloropropane	8.006	77	38031	7.19	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104811.D
Acq On : 16 Jun 2021 8:17 pm
Operator : EddieH
Sample : ic4538-8
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:44:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) cis-1,2-dichloroethene	7.969	96	20036	7.29	ug/L		91
37) propionitrile	7.943	54	20926	72.83	ug/L		98
38) methyl acrylate	8.017	85	1852	7.94	ug/L	#	50
39) methacrylonitrile	8.137	67	5380	7.22	ug/L		94
40) bromochloromethane	8.231	128	10645	7.40	ug/L		90
41) tetrahydrofuran	8.273	72	1861	7.24	ug/L	#	59
42) chloroform	8.304	83	34380	7.20	ug/L		96
43) tert-butyl formate	8.341	59	18056	7.04	ug/L		86
45) 1,1,1-trichloroethane	8.566	97	41441	7.28	ug/L		96
46) cyclohexane	8.691	84	32381	6.53	ug/L		90
48) 1,1-dichloropropene	8.717	75	23480	7.32	ug/L		97
49) carbon tetrachloride	8.759	117	35544	6.96	ug/L		93
50) tert-amyl alcohol	8.827	73	4935	38.22	ug/L	#	84
51) isopropyl acetate	8.838	87	2762	6.38	ug/L	#	88
54) n-butyl alcohol	9.361	41	20458	374.56	ug/L		80
55) 2,2,4-trimethylpentane	9.036	57	63209	6.71	ug/L		97
56) benzene	8.942	78	67859	7.34	ug/L		95
57) tert-amyl methyl ether	9.015	73	63429	7.26	ug/L		96
58) heptane	9.188	57	12808	7.22	ug/L		93
59) 1,2-dichloroethane	8.947	62	23098	6.91	ug/L		96
60) ethyl acrylate	9.601	55	16214	6.94	ug/L		96
61) trichloroethene	9.622	95	17257	7.08	ug/L		98
62) 2-chloroethyl vinyl ether	10.365	63	46979	36.12	ug/L		95
63) methyl methacrylate	9.852	100	3153	6.67	ug/L	#	74
64) methylcyclohexane	9.920	83	39675	7.09	ug/L		100
65) 1,2-dichloropropane	9.878	63	18606	7.22	ug/L		90
66) dibromomethane	9.988	93	11102	7.44	ug/L		96
67) bromodichloromethane	10.135	83	24243	7.23	ug/L		96
68) 2-nitropropane	10.307	41	2945	6.17	ug/L		87
69) epichlorohydrin	10.449	57	7359	35.61	ug/L		97
70) cis-1,3-dichloropropene	10.585	75	26155	7.04	ug/L		97
71) 4-methyl-2-pentanone	10.684	58	25437	28.87	ug/L		92
72) isoamyl alcohol	10.694	70	9658	145.96	ug/L	#	88
75) toluene	10.987	92	42408	7.31	ug/L		98
76) ethyl methacrylate	11.165	69	17683	7.17	ug/L		95
77) trans-1,3-dichloropropene	11.165	75	22904	7.21	ug/L		94
78) 1,1,2-trichloroethane	11.390	83	11819	7.04	ug/L		86
79) tetrachloroethene	11.568	164	17904	7.35	ug/L		94
80) 2-hexanone	11.568	58	22195	33.12	ug/L	#	85
81) 1,3-dichloropropane	11.578	76	23300	7.35	ug/L		89
82) butyl acetate	11.667	56	10672	7.86	ug/L		88
83) dibromochloromethane	11.840	129	19965	7.33	ug/L		95
84) 1,2-dibromoethane	12.007	107	15783	7.09	ug/L		99
85) n-butyl ether	12.504	57	83557	7.31	ug/L		95
86) chlorobenzene	12.530	112	50079	7.32	ug/L		94
87) 1,1,1,2-tetrachloroethane	12.598	131	23953	7.05	ug/L		97
88) ethylbenzene	12.603	91	90109	7.38	ug/L		100
89) m,p-xylene	12.739	106	69860	14.84	ug/L		91
90) o-xylene	13.168	91	79555	7.27	ug/L		97
91) styrene	13.184	104	51687	7.46	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104811.D
Acq On : 16 Jun 2021 8:17 pm
Operator : EddieH
Sample : ic4538-8
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:44:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration

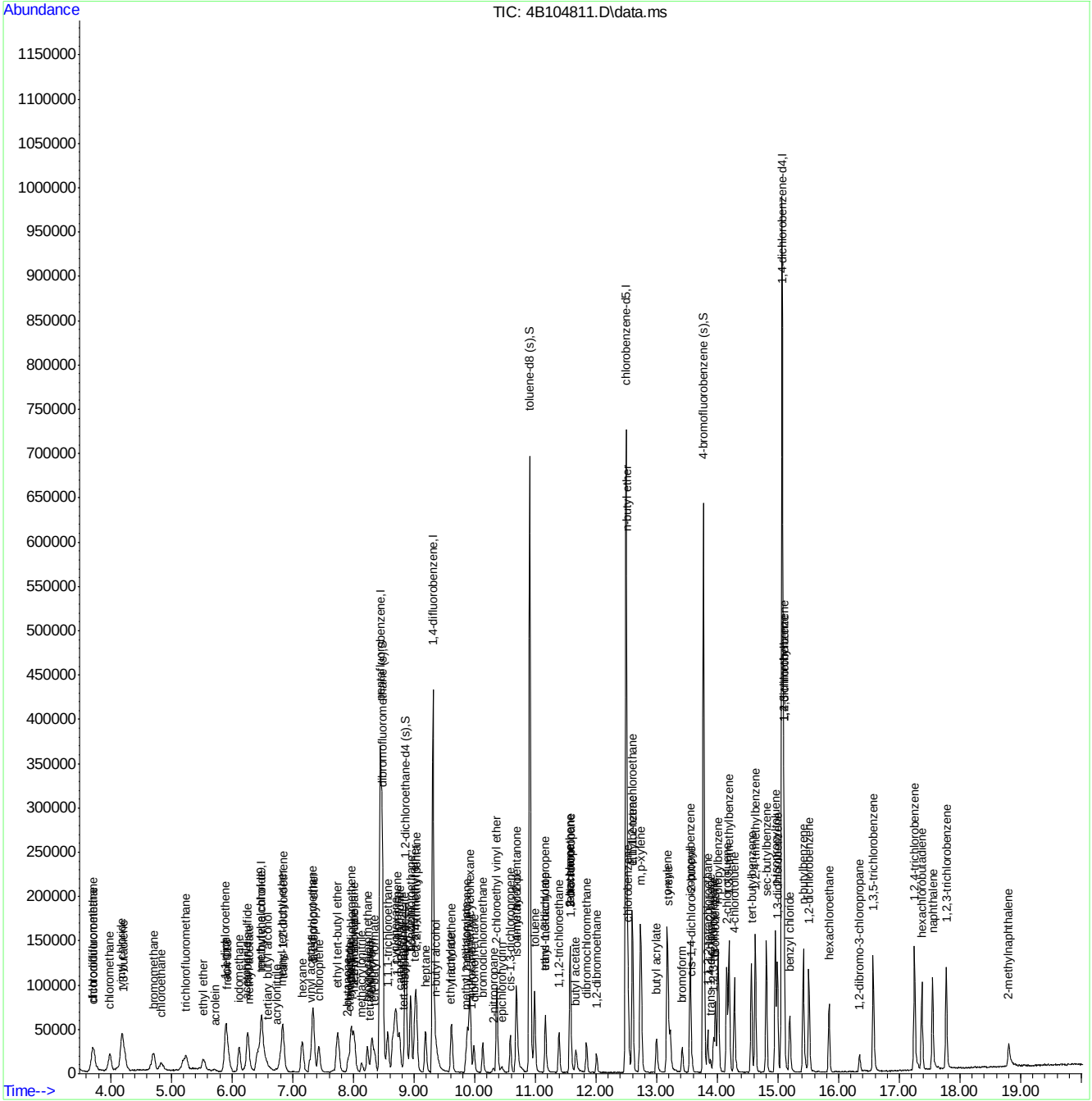
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) butyl acrylate	12.996	55	34033	7.32	ug/L		99
93) isopropylbenzene	13.555	105	103759	7.02	ug/L		99
94) bromoform	13.419	173	15027	7.02	ug/L		96
95) cis-1,4-dichloro-2-butene	13.571	88	3327	6.61	ug/L		94
98) 1,1,2,2-tetrachloroethane	13.843	83	23185	6.78	ug/L		91
99) trans-1,4-dichloro-2-b...	13.890	53	3118	6.89	ug/L	#	77
100) 1,2,3-trichloropropane	13.937	110	6275	6.86	ug/L	#	81
101) bromobenzene	13.969	156	27098	6.77	ug/L		99
102) n-propylbenzene	14.016	91	120873	7.01	ug/L		100
103) 2-chlorotoluene	14.157	126	25545	6.92	ug/L		99
104) 4-chlorotoluene	14.282	91	70174	7.20	ug/L		97
105) 1,3,5-trimethylbenzene	14.193	105	87355	6.62	ug/L		98
106) tert-butylbenzene	14.565	119	65751	6.19	ug/L		96
107) 1,2,4-trimethylbenzene	14.622	105	93301	6.82	ug/L		94
108) sec-butylbenzene	14.805	105	112788	6.54	ug/L		98
109) p-isopropyltoluene	14.957	119	102981	6.63	ug/L		99
110) 1,3-dichlorobenzene	14.994	146	56542	7.28	ug/L		99
111) 1,2,3-trimethylbenzene	15.093	105	97297	6.75	ug/L		97
112) 1,4-dichlorobenzene	15.093	146	58338	7.25	ug/L		98
113) 1,2-dichlorobenzene	15.506	146	59380	7.17	ug/L		95
114) benzyl chloride	15.192	91	51308	7.02	ug/L		98
115) n-butylbenzene	15.417	92	51817	6.86	ug/L		98
116) hexachloroethane	15.841	201	14682	6.41	ug/L		92
117) 1,2-dibromo-3-chloropr...	16.348	157	7068	6.75	ug/L		94
118) 1,3,5-trichlorobenzene	16.568	180	54771	6.97	ug/L		98
119) 1,2,4-trichlorobenzene	17.248	180	53358	7.08	ug/L		95
120) hexachlorobutadiene	17.373	225	23269	6.46	ug/L		92
121) naphthalene	17.546	128	97232	6.67	ug/L		98
122) 1,2,3-trichlorobenzene	17.776	180	45290	6.77	ug/L		98
123) 2-methylnaphthalene	18.801	142	25125	2.90	ug/L		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104811.D
Acq On : 16 Jun 2021 8:17 pm
Operator : EddieH
Sample : ic4538-8
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 14:44:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uFri Jun 18 14:38:34 2021
QLast Update : Fri Jun 18 14:38:34 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104812.D
Acq On : 16 Jun 2021 8:46 pm
Operator : EddieH
Sample : ic4538-20
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 09:16:43 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.479	65	169800	500.00	ug/L		-0.02
5) pentafluorobenzene	8.445	168	320816	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	397678	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	392535	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	274161	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.472	113	141887	49.44	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.88%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	143419	49.89	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.78%				
74) toluene-d8 (s)	10.909	98	483132	50.19	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.38%				
97) 4-bromofluorobenzene (s)	13.770	95	200056	48.98	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.96%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.568	59	34962	93.13	ug/L		100
4) 1,4-dioxane	9.952	88	16576	474.68	ug/L		89
6) chlorodifluoromethane	3.707	51	112013	19.37	ug/L		98
7) dichlorodifluoromethane	3.691	85	145500	18.24	ug/L		98
8) chloromethane	3.984	50	127901	18.92	ug/L		99
9) vinyl chloride	4.183	62	122466	18.92	ug/L		99
10) 1,3-butadiene	4.193	54	87473	19.02	ug/L		99
11) bromomethane	4.706	94	84652	19.30	ug/L		98
12) chloroethane	4.826	64	52444	19.68	ug/L		94
13) trichlorofluoromethane	5.245	101	133284	18.31	ug/L		96
14) ethyl ether	5.532	74	22539	19.49	ug/L		93
15) acrolein	5.700	56	8347	17.34	ug/L		88
16) freon 113	5.935	151	71146	18.48	ug/L		97
17) 1,1-dichloroethene	5.893	61	88226	18.97	ug/L		97
18) acetone	5.862	58	15409	75.64	ug/L	#	79
19) acetonitrile	6.249	41	72466	200.65	ug/L		96
20) iodomethane	6.113	142	129111	18.79	ug/L		96
21) carbon disulfide	6.254	76	219454	19.14	ug/L		99
22) methylene chloride	6.479	84	60021	18.94	ug/L		95
23) methyl acetate	6.275	43	36244	20.98	ug/L		97
24) methyl tert butyl ether	6.814	73	158500	19.57	ug/L		98
25) trans-1,2-dichloroethene	6.840	61	80028	19.24	ug/L		97
26) hexane	7.148	56	42349	18.54	ug/L		97
27) di-isopropyl ether	7.337	45	215412	19.11	ug/L		98
28) 2-butanone	7.891	72	16933	77.00	ug/L	#	64
29) 1,1-dichloroethane	7.331	63	97872	19.31	ug/L		99
30) chloroprene	7.426	53	70962	18.29	ug/L		96
31) acrylonitrile	6.720	53	16044	19.73	ug/L		91
32) vinyl acetate	7.263	86	6520	17.35	ug/L	#	90
33) ethyl tert-butyl ether	7.734	59	195385	19.22	ug/L		99
34) ethyl acetate	7.917	45	6904	18.89	ug/L	#	84
35) 2,2-dichloropropane	8.011	77	110721	18.83	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104812.D
Acq On : 16 Jun 2021 8:46 pm
Operator : EddieH
Sample : ic4538-20
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 09:16:43 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) cis-1,2-dichloroethene	7.964	96	54872	18.82	ug/L		97
37) propionitrile	7.938	54	62439	193.61	ug/L		98
38) methyl acrylate	7.996	85	5893	18.56	ug/L	#	56
39) methacrylonitrile	8.132	67	15956	19.38	ug/L		96
40) bromochloromethane	8.231	128	30116	18.62	ug/L		93
41) tetrahydrofuran	8.273	72	5421	19.49	ug/L		91
42) chloroform	8.299	83	96728	18.97	ug/L		98
43) tert-butyl formate	8.351	59	53765	18.64	ug/L		92
45) 1,1,1-trichloroethane	8.566	97	118772	18.06	ug/L		98
46) cyclohexane	8.686	84	104889	17.95	ug/L		91
48) 1,1-dichloropropene	8.712	75	66533	18.48	ug/L		99
49) carbon tetrachloride	8.754	117	105680	18.19	ug/L		99
50) tert-amyl alcohol	8.812	73	13389	100.88	ug/L		95
51) isopropyl acetate	8.843	87	9653	19.26	ug/L	#	83
54) n-butyl alcohol	9.356	41	64740	1096.36	ug/L		93
55) 2,2,4-trimethylpentane	9.037	57	195443	17.44	ug/L		98
56) benzene	8.937	78	191576	18.60	ug/L		98
57) tert-amyl methyl ether	9.016	73	186177	19.19	ug/L		95
58) heptane	9.188	57	37284	18.51	ug/L		94
59) 1,2-dichloroethane	8.942	62	66059	19.06	ug/L		100
60) ethyl acrylate	9.591	55	51646	19.70	ug/L		97
61) trichloroethene	9.617	95	49579	18.25	ug/L		96
62) 2-chloroethyl vinyl ether	10.360	63	138246	93.75	ug/L		100
63) methyl methacrylate	9.847	100	9923	18.06	ug/L	#	88
64) methylcyclohexane	9.920	83	116452	18.06	ug/L		93
65) 1,2-dichloropropane	9.873	63	52785	18.98	ug/L		97
66) dibromomethane	9.983	93	30425	18.84	ug/L		95
67) bromodichloromethane	10.130	83	68837	18.48	ug/L		99
68) 2-nitropropane	10.302	41	9584	17.11	ug/L		91
69) epichlorohydrin	10.443	57	22111	96.37	ug/L		97
70) cis-1,3-dichloropropene	10.585	75	76674	18.41	ug/L		97
71) 4-methyl-2-pentanone	10.679	58	77163	79.15	ug/L		99
72) isoamyl alcohol	10.684	70	31461	415.17	ug/L		96
75) toluene	10.982	92	118927	18.45	ug/L		96
76) ethyl methacrylate	11.165	69	51883	18.55	ug/L		95
77) trans-1,3-dichloropropene	11.160	75	67666	18.54	ug/L		99
78) 1,1,2-trichloroethane	11.385	83	36177	19.16	ug/L		97
79) tetrachloroethene	11.568	164	51579	18.59	ug/L		95
80) 2-hexanone	11.563	58	63004	80.12	ug/L		99
81) 1,3-dichloropropane	11.573	76	67176	19.22	ug/L		95
82) butyl acetate	11.662	56	29633	19.36	ug/L		94
83) dibromochloromethane	11.840	129	57007	18.36	ug/L		97
84) 1,2-dibromoethane	12.007	107	46709	19.01	ug/L		93
85) n-butyl ether	12.504	57	241082	19.10	ug/L		99
86) chlorobenzene	12.530	112	144818	19.07	ug/L		97
87) 1,1,1,2-tetrachloroethane	12.598	131	69369	18.06	ug/L		98
88) ethylbenzene	12.598	91	257954	18.85	ug/L		100
89) m,p-xylene	12.734	106	199411	37.81	ug/L		96
90) o-xylene	13.168	91	229307	18.71	ug/L		98
91) styrene	13.179	104	148236	18.35	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104812.D
Acq On : 16 Jun 2021 8:46 pm
Operator : EddieH
Sample : ic4538-20
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 09:16:43 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

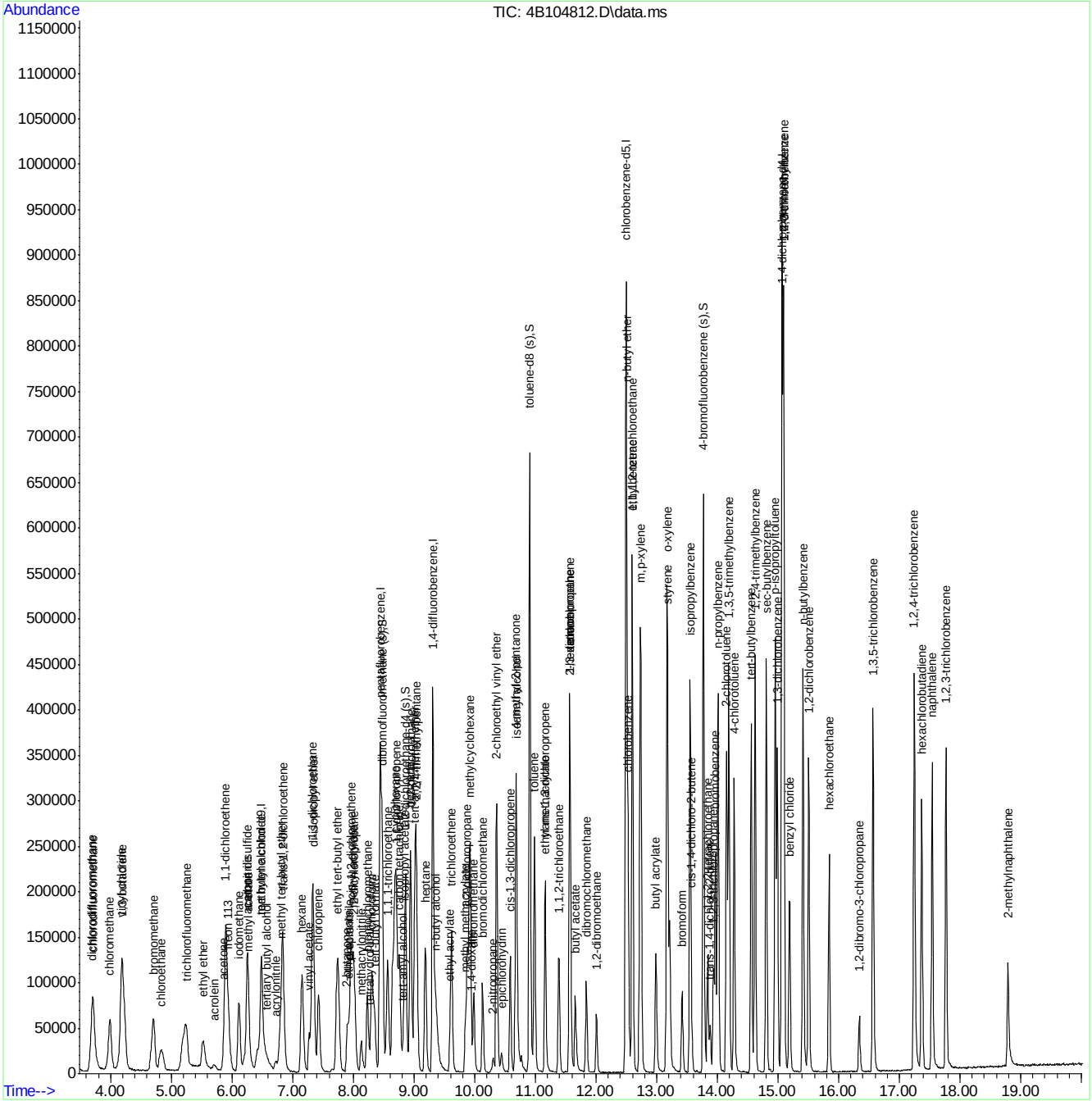
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	butyl acrylate	12.985	55	102400	19.58	ug/L		98
93)	isopropylbenzene	13.550	105	304539	18.26	ug/L		99
94)	bromoform	13.419	173	46154	18.82	ug/L		99
95)	cis-1,4-dichloro-2-butene	13.571	88	12351	17.39	ug/L		94
98)	1,1,2,2-tetrachloroethane	13.843	83	69200	18.58	ug/L		98
99)	trans-1,4-dichloro-2-b...	13.880	53	10487	17.03	ug/L		96
100)	1,2,3-trichloropropane	13.937	110	18767	19.49	ug/L	#	80
101)	bromobenzene	13.969	156	78316	18.20	ug/L		97
102)	n-propylbenzene	14.010	91	343294	18.18	ug/L		99
103)	2-chlorotoluene	14.152	126	72359	17.96	ug/L		90
104)	4-chlorotoluene	14.277	91	199569	18.75	ug/L		100
105)	1,3,5-trimethylbenzene	14.188	105	257006	17.79	ug/L		99
106)	tert-butylbenzene	14.560	119	202659	17.08	ug/L		97
107)	1,2,4-trimethylbenzene	14.622	105	272716	18.32	ug/L		98
108)	sec-butylbenzene	14.805	105	337434	17.69	ug/L		99
109)	p-isopropyltoluene	14.952	119	305463	18.07	ug/L		99
110)	1,3-dichlorobenzene	14.989	146	155371	18.67	ug/L		99
111)	1,2,3-trimethylbenzene	15.093	105	280068	17.85	ug/L		98
112)	1,4-dichlorobenzene	15.093	146	159103	18.79	ug/L		98
113)	1,2-dichlorobenzene	15.506	146	168035	18.95	ug/L		98
114)	benzyl chloride	15.187	91	152647	19.07	ug/L		99
115)	n-butylbenzene	15.412	92	151437	18.48	ug/L		99
116)	hexachloroethane	15.841	201	48814	16.45	ug/L		95
117)	1,2-dibromo-3-chloropr...	16.343	157	21916	18.45	ug/L		96
118)	1,3,5-trichlorobenzene	16.568	180	159108	18.27	ug/L		98
119)	1,2,4-trichlorobenzene	17.243	180	155651	18.21	ug/L		99
120)	hexachlorobutadiene	17.368	225	73309	18.96	ug/L		98
121)	naphthalene	17.541	128	296118	18.38	ug/L		99
122)	1,2,3-trichlorobenzene	17.771	180	138788	18.15	ug/L		98
123)	2-methylnaphthalene	18.791	142	83051	8.87	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104812.D
Acq On : 16 Jun 2021 8:46 pm
Operator : EddieH
Sample : ic4538-20
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 09:16:43 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104813.D
Acq On : 16 Jun 2021 9:14 pm
Operator : EddieH
Sample : icc4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 09:16:53 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.500	65	149330	500.00	ug/L	0.00
5) pentafluorobenzene	8.445	168	313734	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.308	114	390146	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	387969	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	258378	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	140317	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	141010	50.00	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.00%			
74) toluene-d8 (s)	10.909	98	475692	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	13.770	95	192449	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.584	59	82541	250.00	ug/L	100
4) 1,4-dioxane	9.947	88	38388	1250.00	ug/L	100
6) chlorodifluoromethane	3.707	51	282825	50.00	ug/L	100
7) dichlorodifluoromethane	3.696	85	390053	50.00	ug/L	100
8) chloromethane	3.989	50	330226	49.95	ug/L	100
9) vinyl chloride	4.183	62	316580	50.00	ug/L	100
10) 1,3-butadiene	4.199	54	224651	49.95	ug/L	100
11) bromomethane	4.706	94	214429	50.00	ug/L	100
12) chloroethane	4.826	64	130276	50.00	ug/L	100
13) trichlorofluoromethane	5.239	101	355906	50.00	ug/L	100
14) ethyl ether	5.522	74	56540	50.00	ug/L	100
15) acrolein	5.715	56	23533	50.00	ug/L	100
16) freon 113	5.919	151	188227	50.00	ug/L	100
17) 1,1-dichloroethene	5.893	61	227393	50.00	ug/L	100
18) acetone	5.872	58	39846	200.00	ug/L	100
19) acetonitrile	6.233	41	176591	500.00	ug/L	100
20) iodomethane	6.113	142	336023	50.00	ug/L	100
21) carbon disulfide	6.254	76	560620	50.00	ug/L	100
22) methylene chloride	6.479	84	154967	50.00	ug/L	100
23) methyl acetate	6.264	43	84487	50.00	ug/L	100
24) methyl tert butyl ether	6.819	73	396105	50.00	ug/L	100
25) trans-1,2-dichloroethene	6.835	61	203426	50.00	ug/L	100
26) hexane	7.154	56	111681	50.00	ug/L	100
27) di-isopropyl ether	7.331	45	551173	50.00	ug/L	100
28) 2-butanone	7.891	72	43009	200.00	ug/L	100
29) 1,1-dichloroethane	7.326	63	247839	50.00	ug/L	100
30) chloroprene	7.426	53	189718	50.00	ug/L	100
31) acrylonitrile	6.709	53	39759	50.00	ug/L	100
32) vinyl acetate	7.258	86	18374	50.00	ug/L	100
33) ethyl tert-butyl ether	7.739	59	497098	50.00	ug/L	100
34) ethyl acetate	7.912	45	17868	50.00	ug/L	100
35) 2,2-dichloropropane	8.006	77	287477	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104813.D
Acq On : 16 Jun 2021 9:14 pm
Operator : EddieH
Sample : icc4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 09:16:53 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) cis-1,2-dichloroethene	7.959	96	142558	50.00	ug/L	100
37) propionitrile	7.933	54	157688	499.99	ug/L	100
38) methyl acrylate	7.990	85	15523	50.00	ug/L	100
39) methacrylonitrile	8.126	67	40253	50.00	ug/L	100
40) bromochloromethane	8.231	128	79076	50.00	ug/L	100
41) tetrahydrofuran	8.268	72	13546	49.81	ug/L	100
42) chloroform	8.304	83	249279	50.00	ug/L	100
43) tert-butyl formate	8.346	59	140998	50.00	ug/L	100
45) 1,1,1-trichloroethane	8.566	97	321636	50.00	ug/L	100
46) cyclohexane	8.691	84	285650	50.00	ug/L	100
48) 1,1-dichloropropene	8.712	75	176087	50.00	ug/L	100
49) carbon tetrachloride	8.754	117	284126	50.00	ug/L	100
50) tert-amyl alcohol	8.817	73	32447	250.00	ug/L	100
51) isopropyl acetate	8.838	87	24503	50.00	ug/L	100
54) n-butyl alcohol	9.356	41	144829	2500.00	ug/L	100
55) 2,2,4-trimethylpentane	9.037	57	549678	50.00	ug/L	100
56) benzene	8.937	78	505228	50.00	ug/L	100
57) tert-amyl methyl ether	9.016	73	475823	50.00	ug/L	100
58) heptane	9.183	57	98386	49.80	ug/L	100
59) 1,2-dichloroethane	8.942	62	170040	50.00	ug/L	100
60) ethyl acrylate	9.586	55	128588	50.00	ug/L	100
61) trichloroethene	9.617	95	133263	50.00	ug/L	100
62) 2-chloroethyl vinyl ether	10.360	63	361681	250.00	ug/L	100
63) methyl methacrylate	9.842	100	26946	50.00	ug/L	100
64) methylcyclohexane	9.920	83	316339	50.00	ug/L	100
65) 1,2-dichloropropane	9.879	63	136454	50.00	ug/L	100
66) dibromomethane	9.983	93	79216	50.00	ug/L	100
67) bromodichloromethane	10.130	83	182674	50.00	ug/L	100
68) 2-nitropropane	10.302	41	27473	50.00	ug/L	100
69) epichlorohydrin	10.438	57	56276	250.00	ug/L	100
70) cis-1,3-dichloropropene	10.585	75	204316	50.00	ug/L	100
71) 4-methyl-2-pentanone	10.679	58	191286	200.00	ug/L	100
72) isoamyl alcohol	10.684	70	74344	1000.00	ug/L	100
75) toluene	10.982	92	318616	50.00	ug/L	100
76) ethyl methacrylate	11.160	69	138186	50.00	ug/L	100
77) trans-1,3-dichloropropene	11.160	75	180336	50.00	ug/L	100
78) 1,1,2-trichloroethane	11.385	83	93326	50.00	ug/L	100
79) tetrachloroethene	11.568	164	137090	50.00	ug/L	100
80) 2-hexanone	11.557	58	156409	201.24	ug/L	100
81) 1,3-dichloropropane	11.573	76	172764	50.00	ug/L	100
82) butyl acetate	11.657	56	75631	50.00	ug/L	100
83) dibromochloromethane	11.840	129	153459	50.00	ug/L	100
84) 1,2-dibromoethane	12.002	107	121440	50.00	ug/L	100
85) n-butyl ether	12.499	57	623703	50.00	ug/L	100
86) chlorobenzene	12.530	112	375297	50.00	ug/L	100
87) 1,1,1,2-tetrachloroethane	12.598	131	189782	50.00	ug/L	100
88) ethylbenzene	12.598	91	676354	50.00	ug/L	100
89) m,p-xylene	12.729	106	521296	100.00	ug/L	100
90) o-xylene	13.163	91	605650	50.00	ug/L	100
91) styrene	13.179	104	399193	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104813.D
Acq On : 16 Jun 2021 9:14 pm
Operator : EddieH
Sample : icc4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 09:16:53 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

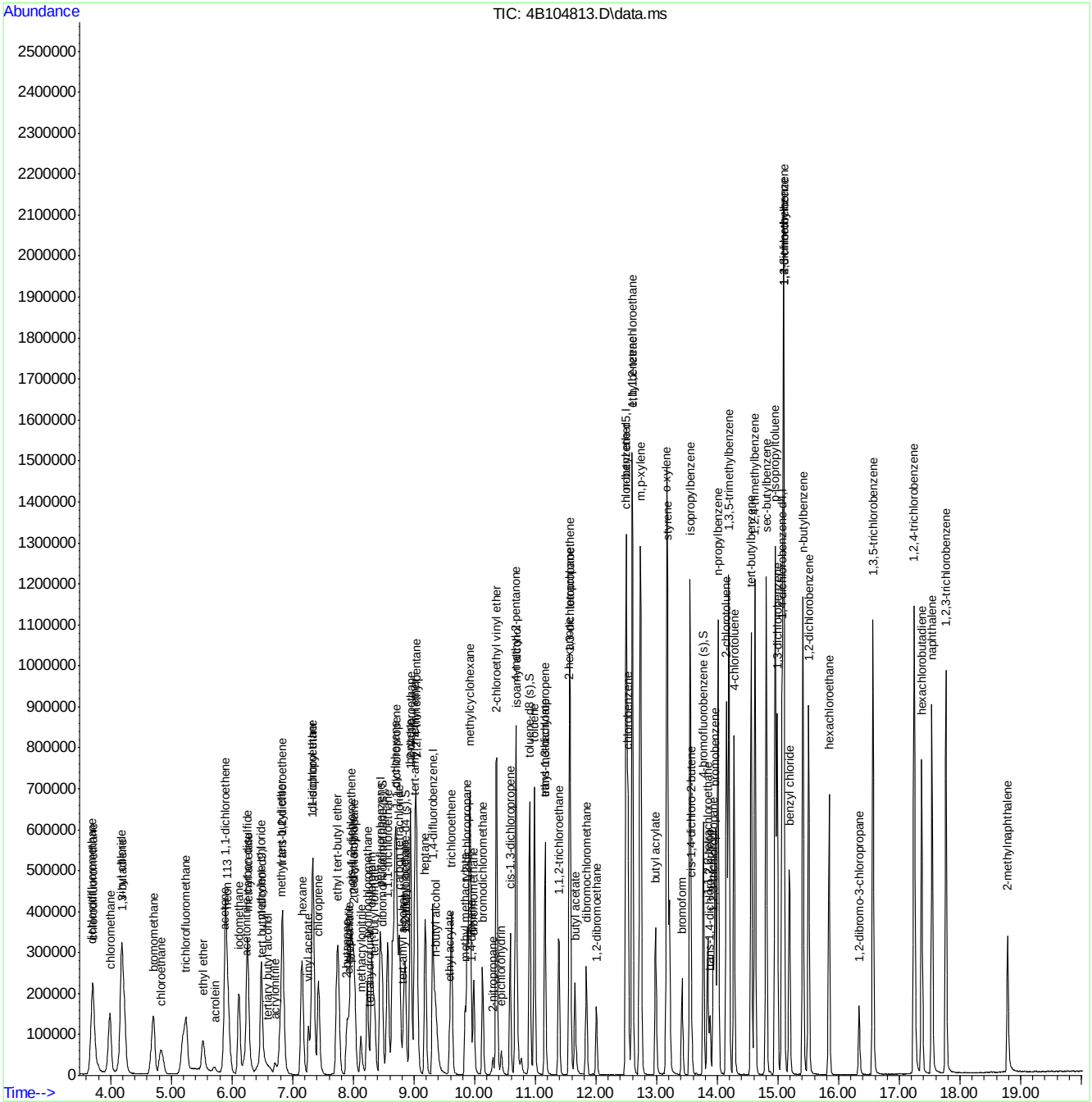
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) butyl acrylate	12.980	55	258515	50.00	ug/L	100
93) isopropylbenzene	13.550	105	824043	50.00	ug/L	100
94) bromoform	13.419	173	121170	50.00	ug/L	100
95) cis-1,4-dichloro-2-butene	13.571	88	35107	50.00	ug/L	100
98) 1,1,2,2-tetrachloroethane	13.838	83	175458	50.00	ug/L	100
99) trans-1,4-dichloro-2-b...	13.874	53	29013	50.00	ug/L	100
100) 1,2,3-trichloropropane	13.932	110	45366	50.00	ug/L	100
101) bromobenzene	13.969	156	202820	50.00	ug/L	100
102) n-propylbenzene	14.010	91	889940	50.00	ug/L	100
103) 2-chlorotoluene	14.152	126	189900	50.00	ug/L	100
104) 4-chlorotoluene	14.277	91	501453	50.00	ug/L	100
105) 1,3,5-trimethylbenzene	14.188	105	680869	50.00	ug/L	100
106) tert-butylbenzene	14.560	119	559011	50.00	ug/L	100
107) 1,2,4-trimethylbenzene	14.617	105	701590	50.00	ug/L	100
108) sec-butylbenzene	14.805	105	898655	50.00	ug/L	100
109) p-isopropyltoluene	14.952	119	796758	50.00	ug/L	100
110) 1,3-dichlorobenzene	14.989	146	392168	50.00	ug/L	100
111) 1,2,3-trimethylbenzene	15.093	105	739187	50.00	ug/L	100
112) 1,4-dichlorobenzene	15.093	146	398972	50.00	ug/L	100
113) 1,2-dichlorobenzene	15.501	146	417837	50.00	ug/L	100
114) benzyl chloride	15.187	91	377277	50.00	ug/L	100
115) n-butylbenzene	15.412	92	386171	50.00	ug/L	100
116) hexachloroethane	15.841	201	139814	50.00	ug/L	100
117) 1,2-dibromo-3-chloropr...	16.338	157	55966	50.00	ug/L	100
118) 1,3,5-trichlorobenzene	16.563	180	410289	50.00	ug/L	100
119) 1,2,4-trichlorobenzene	17.243	180	402738	50.00	ug/L	100
120) hexachlorobutadiene	17.368	225	182183	50.00	ug/L	100
121) naphthalene	17.536	128	759145	50.00	ug/L	100
122) 1,2,3-trichlorobenzene	17.766	180	360241	49.99	ug/L	100
123) 2-methylnaphthalene	18.786	142	220680	25.00	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104813.D
Acq On : 16 Jun 2021 9:14 pm
Operator : EddieH
Sample : icc4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 09:16:53 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104814.D
Acq On : 16 Jun 2021 9:42 pm
Operator : EddieH
Sample : ic4538-100
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 09:17:00 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.474	65	131900	500.00	ug/L	-0.03
5) pentafluorobenzene	8.446	168	319973	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.309	114	403373	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	391655	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.062	152	251070	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.472	113	142186	49.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.36%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	141867	48.65	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.30%			
74) toluene-d8 (s)	10.909	98	490479	51.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.14%			
97) 4-bromofluorobenzene (s)	13.765	95	190680	50.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.96%			
Target Compounds						Qvalue
3) tertiary butyl alcohol	6.610	59	134506	461.23	ug/L	89
4) 1,4-dioxane	9.947	88	63460	2339.47	ug/L	88
6) chlorodifluoromethane	3.707	51	469823	81.44	ug/L	99
7) dichlorodifluoromethane	3.697	85	630277	79.22	ug/L	97
8) chloromethane	3.984	50	561030	83.21	ug/L	99
9) vinyl chloride	4.178	62	532369	82.44	ug/L	98
10) 1,3-butadiene	4.193	54	363794	79.31	ug/L	99
11) bromomethane	4.701	94	369698	84.52	ug/L	99
12) chloroethane	4.832	64	221418	83.32	ug/L	97
13) trichlorofluoromethane	5.234	101	591952	81.54	ug/L	99
14) ethyl ether	5.517	74	97732	84.74	ug/L	87
15) acrolein	5.705	56	40254	83.86	ug/L	97
16) freon 113	5.925	151	317190	82.61	ug/L	94
17) 1,1-dichloroethene	5.893	61	382840	82.54	ug/L	98
18) acetone	5.878	58	63176	310.92	ug/L	99
19) acetonitrile	6.218	41	280191	777.86	ug/L	95
20) iodomethane	6.113	142	579586	84.56	ug/L	98
21) carbon disulfide	6.254	76	951921	83.24	ug/L	99
22) methylene chloride	6.479	84	264569	83.70	ug/L	97
23) methyl acetate	6.265	43	142165	82.49	ug/L	99
24) methyl tert butyl ether	6.819	73	666261	82.46	ug/L	98
25) trans-1,2-dichloroethene	6.835	61	351685	84.76	ug/L	97
26) hexane	7.154	56	188062	82.55	ug/L	96
27) di-isopropyl ether	7.337	45	959918	85.38	ug/L	98
28) 2-butanone	7.886	72	69149	315.29	ug/L	96
29) 1,1-dichloroethane	7.326	63	430519	85.16	ug/L	100
30) chloroprene	7.426	53	327948	84.75	ug/L	96
31) acrylonitrile	6.709	53	68309	84.23	ug/L	87
32) vinyl acetate	7.258	86	33562	89.55	ug/L	95
33) ethyl tert-butyl ether	7.740	59	846481	83.48	ug/L	98
34) ethyl acetate	7.907	45	29441	80.78	ug/L #	72
35) 2,2-dichloropropane	8.012	77	489766	83.52	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104814.D
Acq On : 16 Jun 2021 9:42 pm
Operator : EddieH
Sample : ic4538-100
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 09:17:00 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) cis-1,2-dichloroethene	7.964	96	252041	86.68	ug/L		91
37) propionitrile	7.928	54	250134	777.65	ug/L		98
38) methyl acrylate	7.991	85	26799	84.64	ug/L	#	83
39) methacrylonitrile	8.121	67	70736	86.15	ug/L		94
40) bromochloromethane	8.226	128	137874	85.48	ug/L		96
41) tetrahydrofuran	8.263	72	22939	82.70	ug/L		99
42) chloroform	8.304	83	436720	85.89	ug/L		97
43) tert-butyl formate	8.346	59	245700	85.43	ug/L		97
45) 1,1,1-trichloroethane	8.566	97	550368	83.89	ug/L		99
46) cyclohexane	8.686	84	472386	81.07	ug/L		97
48) 1,1-dichloropropene	8.712	75	298403	83.08	ug/L		96
49) carbon tetrachloride	8.759	117	485268	83.73	ug/L		100
50) tert-amyl alcohol	8.812	73	49755	375.88	ug/L		98
51) isopropyl acetate	8.838	87	41981	83.99	ug/L	#	93
54) n-butyl alcohol	9.350	41	217216	3626.57	ug/L		97
55) 2,2,4-trimethylpentane	9.042	57	1006767	88.57	ug/L		98
56) benzene	8.937	78	886978	84.90	ug/L		98
57) tert-amyl methyl ether	9.016	73	824618	83.81	ug/L		98
58) heptane	9.183	57	172793	84.59	ug/L		96
59) 1,2-dichloroethane	8.943	62	297645	84.65	ug/L		98
60) ethyl acrylate	9.581	55	220920	83.09	ug/L		98
61) trichloroethene	9.617	95	234771	85.20	ug/L		98
62) 2-chloroethyl vinyl ether	10.360	63	623551	416.88	ug/L		99
63) methyl methacrylate	9.837	100	47834	85.85	ug/L	#	91
64) methylcyclohexane	9.921	83	543002	83.01	ug/L		98
65) 1,2-dichloropropane	9.879	63	239625	84.93	ug/L		99
66) dibromomethane	9.983	93	139020	84.87	ug/L		96
67) bromodichloromethane	10.130	83	326359	86.40	ug/L		100
68) 2-nitropropane	10.302	41	46373	81.63	ug/L		100
69) epichlorohydrin	10.438	57	90869	390.44	ug/L		96
70) cis-1,3-dichloropropene	10.585	75	362350	85.77	ug/L		99
71) 4-methyl-2-pentanone	10.679	58	322584	326.22	ug/L		96
72) isoamyl alcohol	10.679	70	112935	1469.27	ug/L	#	88
75) toluene	10.982	92	562976	87.52	ug/L		99
76) ethyl methacrylate	11.155	69	238434	85.46	ug/L		96
77) trans-1,3-dichloropropene	11.155	75	316043	86.80	ug/L		97
78) 1,1,2-trichloroethane	11.385	83	163257	86.64	ug/L		97
79) tetrachloroethene	11.568	164	239315	86.46	ug/L		98
80) 2-hexanone	11.552	58	257368	328.03	ug/L		100
81) 1,3-dichloropropane	11.573	76	298726	85.64	ug/L		100
82) butyl acetate	11.652	56	123531	80.90	ug/L		88
83) dibromochloromethane	11.840	129	271369	87.59	ug/L		99
84) 1,2-dibromoethane	12.002	107	208947	85.22	ug/L		99
85) n-butyl ether	12.499	57	1074748	85.35	ug/L		99
86) chlorobenzene	12.525	112	657068	86.72	ug/L		98
87) 1,1,1,2-tetrachloroethane	12.598	131	345694	90.22	ug/L		97
88) ethylbenzene	12.598	91	1167168	85.47	ug/L		98
89) m,p-xylene	12.729	106	899615	170.95	ug/L		99
90) o-xylene	13.163	91	1062000	86.85	ug/L		100
91) styrene	13.179	104	694269	86.14	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104814.D
Acq On : 16 Jun 2021 9:42 pm
Operator : EddieH
Sample : ic4538-100
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 09:17:00 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

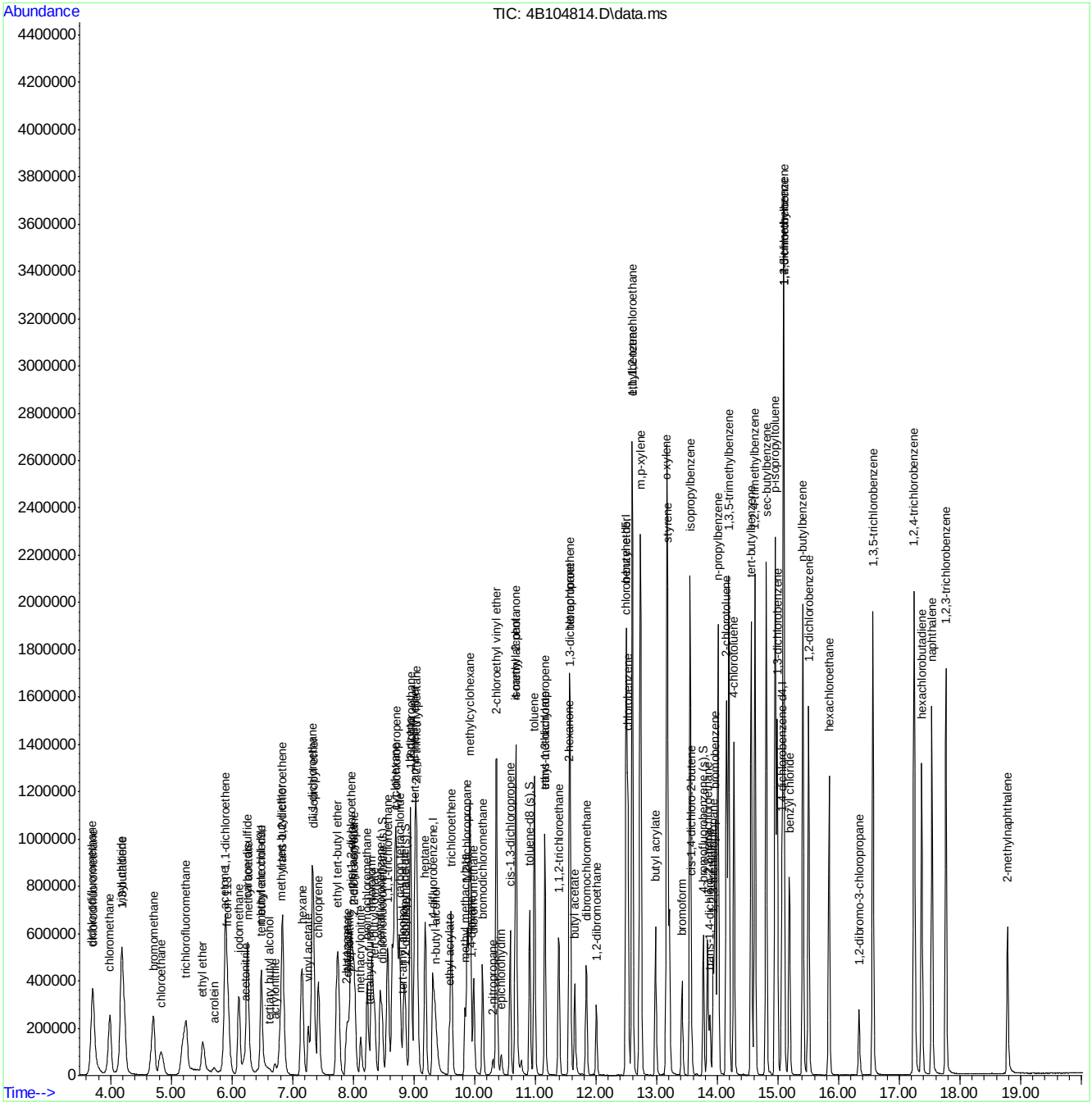
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	butyl acrylate	12.980	55	430951	82.57	ug/L	99
93)	isopropylbenzene	13.550	105	1448842	87.08	ug/L	100
94)	bromoform	13.420	173	210579	86.08	ug/L	100
95)	cis-1,4-dichloro-2-butene	13.571	88	62544	88.24	ug/L	95
98)	1,1,2,2-tetrachloroethane	13.838	83	296754	87.03	ug/L	100
99)	trans-1,4-dichloro-2-b...	13.875	53	50567	89.68	ug/L	99
100)	1,2,3-trichloropropane	13.932	110	78076	88.56	ug/L	97
101)	bromobenzene	13.969	156	354347	89.90	ug/L	97
102)	n-propylbenzene	14.011	91	1531006	88.52	ug/L	99
103)	2-chlorotoluene	14.152	126	331934	89.94	ug/L	99
104)	4-chlorotoluene	14.272	91	855322	87.77	ug/L	100
105)	1,3,5-trimethylbenzene	14.188	105	1212529	91.63	ug/L	99
106)	tert-butylbenzene	14.560	119	1020333	93.92	ug/L	98
107)	1,2,4-trimethylbenzene	14.617	105	1217433	89.29	ug/L	97
108)	sec-butylbenzene	14.806	105	1601121	91.68	ug/L	100
109)	p-isopropyltoluene	14.952	119	1415350	91.40	ug/L	100
110)	1,3-dichlorobenzene	14.989	146	671927	88.16	ug/L	97
111)	1,2,3-trimethylbenzene	15.093	105	1295622	90.19	ug/L	99
112)	1,4-dichlorobenzene	15.093	146	686611	88.55	ug/L	99
113)	1,2-dichlorobenzene	15.501	146	716642	88.25	ug/L	99
114)	benzyl chloride	15.187	91	626556	85.45	ug/L	100
115)	n-butylbenzene	15.407	92	658293	87.71	ug/L	99
116)	hexachloroethane	15.841	201	270684	99.62	ug/L	96
117)	1,2-dibromo-3-chloropr...	16.338	157	93574	86.03	ug/L	97
118)	1,3,5-trichlorobenzene	16.563	180	718046	90.05	ug/L	98
119)	1,2,4-trichlorobenzene	17.243	180	708159	90.48	ug/L	97
120)	hexachlorobutadiene	17.368	225	321065	90.68	ug/L	98
121)	naphthalene	17.536	128	1292203	87.59	ug/L	99
122)	1,2,3-trichlorobenzene	17.766	180	626345	89.45	ug/L	98
123)	2-methylnaphthalene	18.786	142	386324	45.04	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104814.D
Acq On : 16 Jun 2021 9:42 pm
Operator : EddieH
Sample : ic4538-100
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 09:17:00 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104815.D
Acq On : 16 Jun 2021 10:10 pm
Operator : EddieH
Sample : ic4538-200
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 16:00:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.505	65	136731	500.00	ug/L		0.00
5) pentafluorobenzene	8.445	168	321799	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.314	114	414541	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	403400	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.062	152	254399	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	146479	50.89	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.78%				
53) 1,2-dichloroethane-d4 (s)	8.864	65	139983	46.71	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 93.42%				
74) toluene-d8 (s)	10.909	98	507878	51.34	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.68%				
97) 4-bromofluorobenzene (s)	13.765	95	191455	50.52	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.04%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.620	59	290798	961.93	ug/L		100
4) 1,4-dioxane	9.941	88	126468	4497.54	ug/L		81
6) chlorodifluoromethane	3.707	51	1007043	173.57	ug/L		98
7) dichlorodifluoromethane	3.691	85	1213618	151.67	ug/L		96
8) chloromethane	3.984	50	1081244	159.46	ug/L		99
9) vinyl chloride	4.178	62	1026870	158.12	ug/L		98
10) 1,3-butadiene	4.193	54	721406	156.39	ug/L		99
11) bromomethane	4.701	94	704989	160.27	ug/L		99
12) chloroethane	4.826	64	415404	155.44	ug/L		97
13) trichlorofluoromethane	5.239	101	1140462	156.20	ug/L		98
14) ethyl ether	5.527	74	200407	172.78	ug/L		96
15) acrolein	5.705	56	82237	170.35	ug/L		93
16) freon 113	5.924	151	632198	163.73	ug/L		98
17) 1,1-dichloroethene	5.893	61	762477	163.45	ug/L		97
18) acetone	5.862	58	133111	651.38	ug/L		99
19) acetonitrile	6.223	41	564957	1559.53	ug/L		93
20) iodomethane	6.113	142	1171644	169.97	ug/L		98
21) carbon disulfide	6.254	76	1908521	165.95	ug/L		99
22) methylene chloride	6.479	84	534762	168.22	ug/L		98
23) methyl acetate	6.259	43	293994	169.63	ug/L		96
24) methyl tert butyl ether	6.819	73	1307013	160.85	ug/L		99
25) trans-1,2-dichloroethene	6.835	61	708817	169.85	ug/L		99
26) hexane	7.148	56	384262	167.72	ug/L		98
27) di-isopropyl ether	7.331	45	1942870	171.83	ug/L		98
28) 2-butanone	7.881	72	148513	673.31	ug/L		90
29) 1,1-dichloroethane	7.326	63	862888	169.72	ug/L		100
30) chloroprene	7.426	53	662088	170.12	ug/L		98
31) acrylonitrile	6.704	53	141759	173.80	ug/L		95
32) vinyl acetate	7.258	86	72045	191.14	ug/L		96
33) ethyl tert-butyl ether	7.745	59	1646093	161.42	ug/L		98
34) ethyl acetate	7.907	45	60164	164.14	ug/L	#	83
35) 2,2-dichloropropane	8.011	77	988457	167.61	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104815.D
Acq On : 16 Jun 2021 10:10 pm
Operator : EddieH
Sample : ic4538-200
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 16:00:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) cis-1,2-dichloroethene	7.959	96	513616	175.63	ug/L		95
37) propionitrile	7.933	54	523355	1617.85	ug/L		97
38) methyl acrylate	7.985	85	57017	179.05	ug/L	#	84
39) methacrylonitrile	8.121	67	149052	180.50	ug/L		97
40) bromochloromethane	8.231	128	283181	174.57	ug/L		94
41) tetrahydrofuran	8.262	72	49407	177.10	ug/L		92
42) chloroform	8.304	83	881606	172.40	ug/L		99
43) tert-butyl formate	8.346	59	501194	173.28	ug/L		95
45) 1,1,1-trichloroethane	8.566	97	1137192	172.35	ug/L		98
46) cyclohexane	8.686	84	939695	160.36	ug/L		99
48) 1,1-dichloropropene	8.712	75	622854	172.43	ug/L		98
49) carbon tetrachloride	8.759	117	1012141	173.65	ug/L		99
50) tert-amyl alcohol	8.827	73	106834	802.51	ug/L	#	67
51) isopropyl acetate	8.832	87	89275	177.61	ug/L		94
54) n-butyl alcohol	9.340	41	450438	7317.78	ug/L		98
55) 2,2,4-trimethylpentane	9.047	57	2179194	186.56	ug/L		97
56) benzene	8.937	78	1827974	170.26	ug/L		99
57) tert-amyl methyl ether	9.021	73	1615180	159.74	ug/L		99
58) heptane	9.183	57	353413	168.35	ug/L		99
59) 1,2-dichloroethane	8.942	62	610052	168.83	ug/L		100
60) ethyl acrylate	9.580	55	468662	171.51	ug/L		99
61) trichloroethene	9.617	95	482325	170.32	ug/L		96
62) 2-chloroethyl vinyl ether	10.360	63	1277217	830.88	ug/L		98
63) methyl methacrylate	9.842	100	101448	177.17	ug/L	#	86
64) methylcyclohexane	9.920	83	1136469	169.06	ug/L		98
65) 1,2-dichloropropane	9.879	63	492895	169.98	ug/L		99
66) dibromomethane	9.983	93	289599	172.03	ug/L		96
67) bromodichloromethane	10.130	83	680352	175.26	ug/L		100
68) 2-nitropropane	10.297	41	100299	171.80	ug/L		96
69) epichlorohydrin	10.438	57	189917	794.04	ug/L		98
70) cis-1,3-dichloropropene	10.585	75	743603	171.26	ug/L		99
71) 4-methyl-2-pentanone	10.679	58	681542	670.65	ug/L		91
72) isoamyl alcohol	10.679	70	232436	2942.50	ug/L	#	90
75) toluene	10.982	92	1176794	177.61	ug/L		99
76) ethyl methacrylate	11.155	69	514029	178.88	ug/L		98
77) trans-1,3-dichloropropene	11.155	75	649603	173.22	ug/L		99
78) 1,1,2-trichloroethane	11.385	83	338175	174.25	ug/L		97
79) tetrachloroethene	11.568	164	498745	174.95	ug/L		98
80) 2-hexanone	11.552	58	533759	660.49	ug/L		99
81) 1,3-dichloropropane	11.573	76	603425	167.96	ug/L		97
82) butyl acetate	11.652	56	256156	162.87	ug/L		97
83) dibromochloromethane	11.840	129	573163	179.60	ug/L		98
84) 1,2-dibromoethane	12.002	107	436541	172.86	ug/L		96
85) n-butyl ether	12.499	57	2178836	167.99	ug/L		99
86) chlorobenzene	12.525	112	1351049	173.11	ug/L		99
87) 1,1,1,2-tetrachloroethane	12.598	131	726488	184.08	ug/L		98
88) ethylbenzene	12.598	91	2394407	170.24	ug/L		98
89) m,p-xylene	12.729	106	1875375	345.99	ug/L		97
90) o-xylene	13.163	91	2214750	175.85	ug/L		100
91) styrene	13.174	104	1449149	174.57	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104815.D
Acq On : 16 Jun 2021 10:10 pm
Operator : EddieH
Sample : ic4538-200
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 16:00:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration

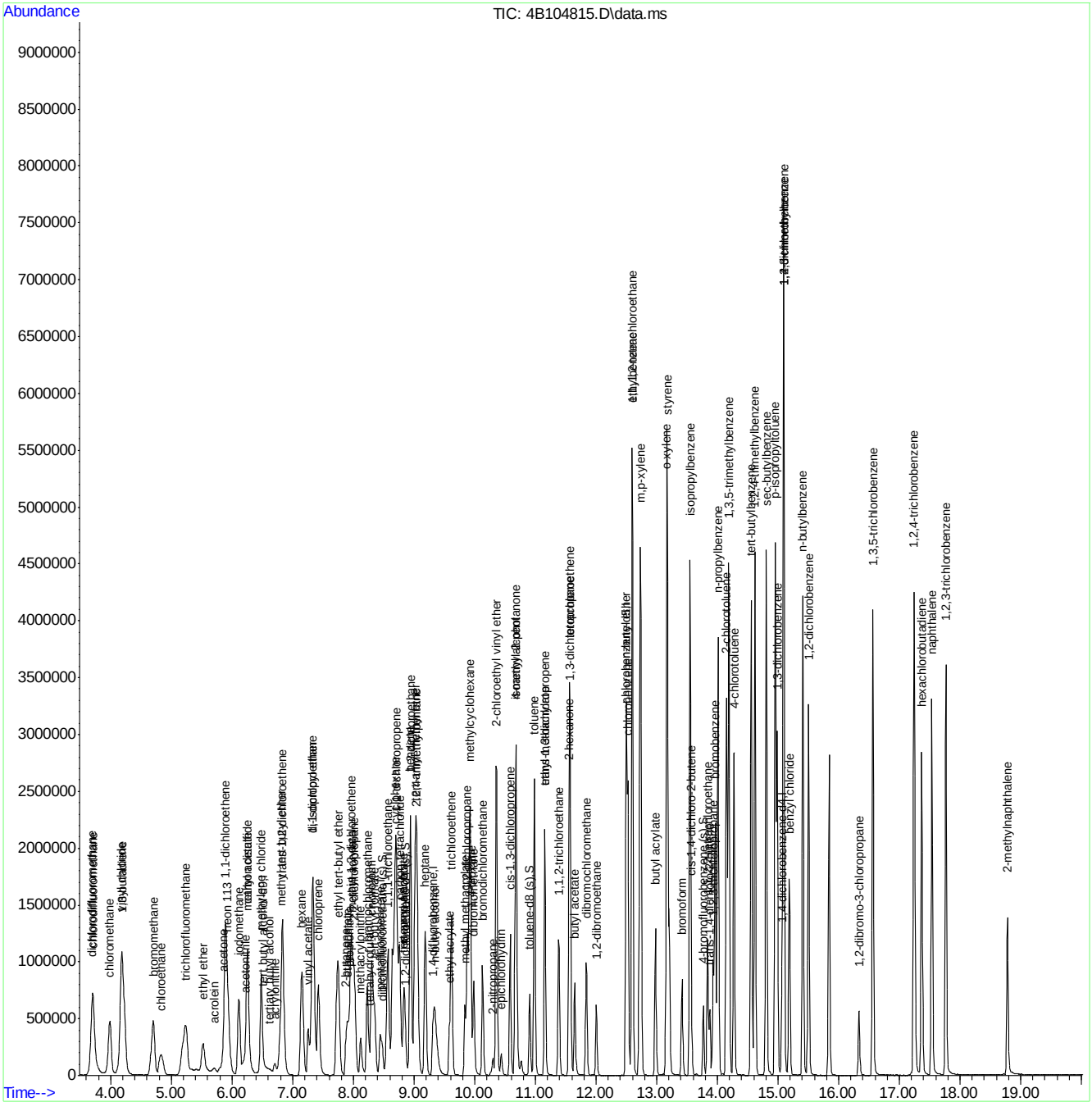
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92)	butyl acrylate	12.980	55	886030	164.81	ug/L	99
93)	isopropylbenzene	13.550	105	3052087	178.11	ug/L	100
94)	bromoform	13.419	173	445769	176.91	ug/L	99
95)	cis-1,4-dichloro-2-butene	13.571	88	135042	184.97	ug/L	95
98)	1,1,2,2-tetrachloroethane	13.838	83	622415	180.14	ug/L	98
99)	trans-1,4-dichloro-2-b...	13.874	53	109171	191.08	ug/L	99
100)	1,2,3-trichloropropane	13.932	110	159798	178.88	ug/L	96
101)	bromobenzene	13.963	156	720874	180.49	ug/L	97
102)	n-propylbenzene	14.010	91	3127042	178.44	ug/L	99
103)	2-chlorotoluene	14.152	126	689223	184.31	ug/L	98
104)	4-chlorotoluene	14.277	91	1730101	175.21	ug/L	98
105)	1,3,5-trimethylbenzene	14.188	105	2564863	191.30	ug/L	99
106)	tert-butylbenzene	14.560	119	2235126	203.04	ug/L	98
107)	1,2,4-trimethylbenzene	14.617	105	2546018	184.28	ug/L	96
108)	sec-butylbenzene	14.805	105	3430189	193.84	ug/L	99
109)	p-isopropyltoluene	14.952	119	3019317	192.44	ug/L	99
110)	1,3-dichlorobenzene	14.988	146	1358914	175.97	ug/L	99
111)	1,2,3-trimethylbenzene	15.093	105	2763175	189.83	ug/L	99
112)	1,4-dichlorobenzene	15.093	146	1390204	176.95	ug/L	99
113)	1,2-dichlorobenzene	15.501	146	1467094	178.30	ug/L	99
114)	benzyl chloride	15.187	91	1280719	172.39	ug/L	100
115)	n-butylbenzene	15.407	92	1368829	180.00	ug/L	99
117)	1,2-dibromo-3-chloropr...	16.338	157	195753	177.62	ug/L	96
118)	1,3,5-trichlorobenzene	16.563	180	1508544	186.71	ug/L	99
119)	1,2,4-trichlorobenzene	17.243	180	1460379	184.14	ug/L	99
120)	hexachlorobutadiene	17.368	225	686582	191.38	ug/L	99
121)	naphthalene	17.536	128	2695998	180.35	ug/L	99
122)	1,2,3-trichlorobenzene	17.766	180	1311862	184.90	ug/L	99
123)	2-methylnaphthalene	18.780	142	830210	95.52	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104815.D
Acq On : 16 Jun 2021 10:10 pm
Operator : EddieH
Sample : ic4538-200
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 16:00:38 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:06:37 2021
QLast Update : Thu Jun 17 09:06:37 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104818.D
Acq On : 16 Jun 2021 11:33 pm
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 22 17:14:14 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
QLast Update : Tue Jun 22 17:13:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.505	65	166093	500.00	ug/L		0.04
5) pentafluorobenzene	8.445	168	327788	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.308	114	404943	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	393781	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.067	152	262887	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	141324	48.60	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.20%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	139178	48.15	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.30%				
74) toluene-d8 (s)	10.909	98	491701	51.26	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.52%				
97) 4-bromofluorobenzene (s)	13.770	95	190755	49.41	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.82%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.615	59	85391	251.62	ug/L		96
4) 1,4-dioxane	9.952	88	38937	1271.96	ug/L		97
7) dichlorodifluoromethane	3.691	85	406763	61.88	ug/L		96
8) chloromethane	3.984	50	291817	47.52	ug/L		99
9) vinyl chloride	4.178	62	315445	55.51	ug/L		99
10) 1,3-butadiene	4.198	54	228828	56.81	ug/L		99
11) bromomethane	4.701	94	232064	56.82	ug/L		97
12) chloroethane	4.826	64	130512	51.93	ug/L		98
13) trichlorofluoromethane	5.234	101	352009	57.05	ug/L		99
14) ethyl ether	5.527	74	56888	54.00	ug/L		95
15) acrolein	5.710	56	25620	63.06	ug/L		95
16) freon 113	5.924	151	173181	51.72	ug/L		95
17) 1,1-dichloroethene	5.893	61	225092	54.36	ug/L		98
18) acetone	5.867	58	41196	220.42	ug/L		98
20) iodomethane	6.113	142	345566	56.06	ug/L		98
21) carbon disulfide	6.254	76	633070	59.80	ug/L		99
22) methylene chloride	6.484	84	154614	53.61	ug/L		95
23) methyl acetate	6.264	43	83509	50.29	ug/L		98
24) methyl tert butyl ether	6.814	73	404251	53.36	ug/L		99
25) trans-1,2-dichloroethene	6.834	61	199037	52.05	ug/L		99
26) hexane	7.159	56	108192	53.58	ug/L		96
27) di-isopropyl ether	7.331	45	527873	52.10	ug/L		98
28) 2-butanone	7.891	72	44564	250.94	ug/L		95
29) 1,1-dichloroethane	7.331	63	247451	54.16	ug/L		98
30) chloroprene	7.425	53	206020	59.11	ug/L		97
32) vinyl acetate	7.258	86	19419	56.72	ug/L		96
33) ethyl tert-butyl ether	7.739	59	479032	52.75	ug/L		99
34) ethyl acetate	7.907	45	17998	56.29	ug/L	#	75
35) 2,2-dichloropropane	8.006	77	290269	55.20	ug/L		98
36) cis-1,2-dichloroethene	7.964	96	149912	54.86	ug/L		97
37) propionitrile	7.933	54	160484	561.50	ug/L		97
38) methyl acrylate	7.985	85	16186	56.36	ug/L	#	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104818.D
Acq On : 16 Jun 2021 11:33 pm
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 22 17:14:14 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
QLast Update : Tue Jun 22 17:13:13 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) methacrylonitrile	8.121	67	42150	56.90	ug/L		98
40) bromochloromethane	8.231	128	81767	57.13	ug/L		98
41) tetrahydrofuran	8.268	72	14455	56.55	ug/L		93
42) chloroform	8.304	83	252767	53.24	ug/L		99
43) tert-butyl formate	8.346	59	112136	43.97	ug/L		99
45) 1,1,1-trichloroethane	8.566	97	320510	56.63	ug/L		98
46) cyclohexane	8.691	84	298257	60.49	ug/L		97
48) 1,1-dichloropropene	8.712	75	175604	55.00	ug/L		99
49) carbon tetrachloride	8.759	117	289384	56.94	ug/L		99
50) tert-amyl alcohol	8.827	73	33517	259.78	ug/L	#	73
51) isopropyl acetate	8.838	87	25282	58.69	ug/L		99
54) n-butyl alcohol	9.350	41	140365	2600.22	ug/L		97
55) 2,2,4-trimethylpentane	9.036	57	512012	55.00	ug/L		99
56) benzene	8.937	78	518816	56.79	ug/L		99
57) tert-amyl methyl ether	9.015	73	447079	51.81	ug/L		98
58) heptane	9.188	57	97061	55.37	ug/L		97
59) 1,2-dichloroethane	8.942	62	170325	51.59	ug/L		99
60) ethyl acrylate	9.586	55	131442	56.90	ug/L		99
61) trichloroethene	9.617	95	134796	55.98	ug/L		97
62) 2-chloroethyl vinyl ether	10.354	63	371300	288.85	ug/L		100
63) methyl methacrylate	9.842	100	28279	60.54	ug/L	#	70
64) methylcyclohexane	9.920	83	313907	56.73	ug/L		98
65) 1,2-dichloropropane	9.878	63	137654	54.05	ug/L		98
66) dibromomethane	9.983	93	80070	54.33	ug/L		93
67) bromodichloromethane	10.130	83	183200	55.30	ug/L		97
68) 2-nitropropane	10.302	41	26482	57.48	ug/L		97
69) epichlorohydrin	10.438	57	57893	283.46	ug/L		99
70) cis-1,3-dichloropropene	10.585	75	200504	54.61	ug/L		99
71) 4-methyl-2-pentanone	10.679	58	200868	230.63	ug/L		93
72) isoamyl alcohol	10.684	70	72466	1108.08	ug/L		96
75) toluene	10.982	92	330735	58.23	ug/L		98
76) ethyl methacrylate	11.155	69	139422	57.78	ug/L		97
77) trans-1,3-dichloropropene	11.160	75	184240	59.26	ug/L		96
78) 1,1,2-trichloroethane	11.385	83	95227	57.97	ug/L		97
80) 2-hexanone	11.557	58	164669	238.21	ug/L		99
81) 1,3-dichloropropane	11.573	76	178642	57.60	ug/L		98
82) butyl acetate	11.657	56	76927	57.91	ug/L		94
83) dibromochloromethane	11.840	129	160381	60.12	ug/L		99
84) 1,2-dibromoethane	12.007	107	124810	57.31	ug/L		98
85) n-butyl ether	12.499	57	638923	57.09	ug/L		99
86) chlorobenzene	12.530	112	381862	57.01	ug/L		98
87) 1,1,1,2-tetrachloroethane	12.598	131	200981	60.45	ug/L		99
88) ethylbenzene	12.598	91	683925	57.24	ug/L		100
89) m,p-xylene	12.729	106	534015	115.91	ug/L		97
90) o-xylene	13.163	91	622155	58.12	ug/L		98
91) styrene	13.179	104	402992	59.44	ug/L		99
92) butyl acrylate	12.980	55	253564	55.71	ug/L		99
93) isopropylbenzene	13.550	105	842422	58.20	ug/L		99
94) bromoform	13.419	173	125317	59.82	ug/L		97
95) cis-1,4-dichloro-2-butene	13.571	88	36085	55.85	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104818.D
Acq On : 16 Jun 2021 11:33 pm
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 22 17:14:14 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
QLast Update : Tue Jun 22 17:13:13 2021
Response via : Initial Calibration

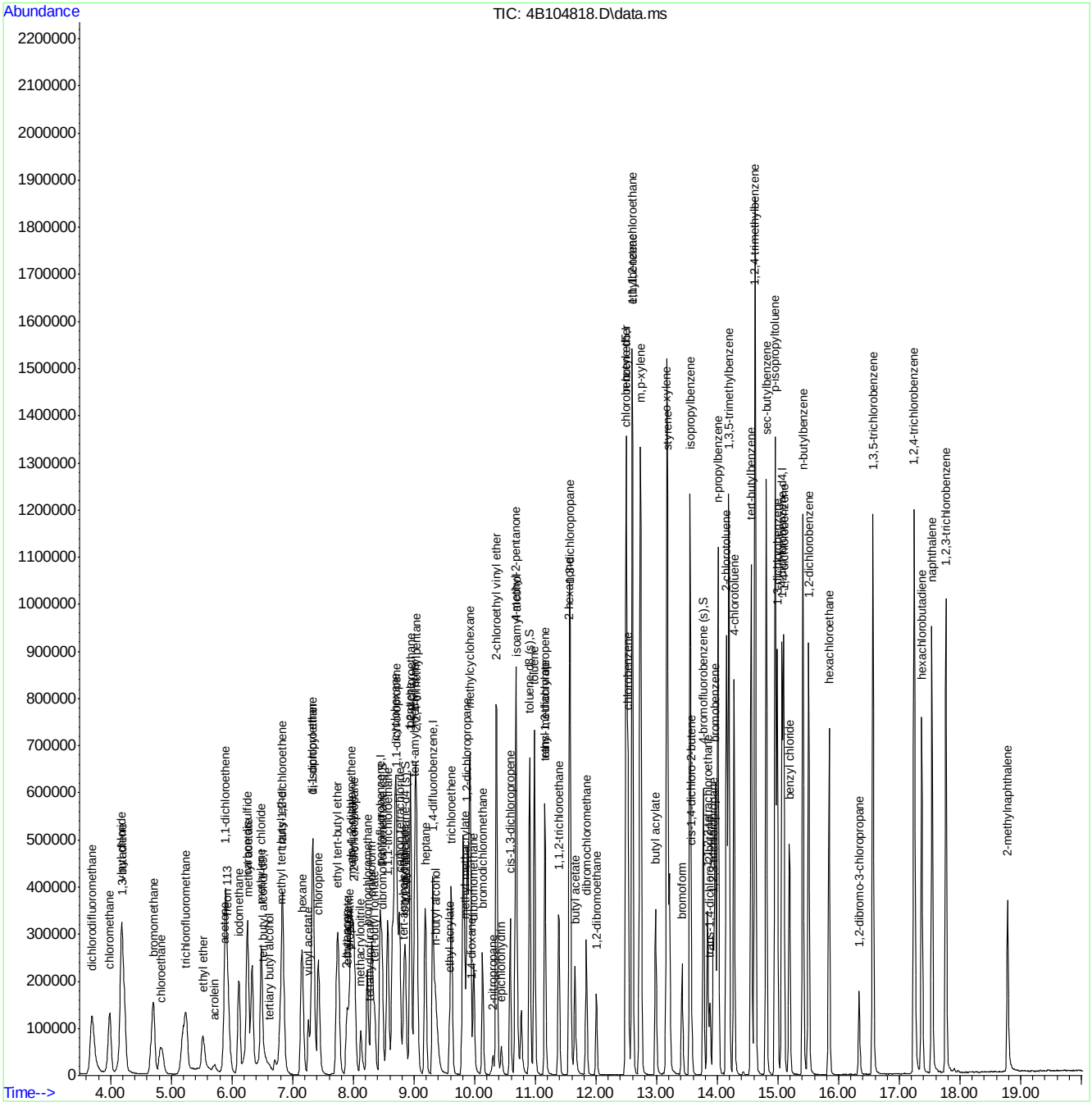
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 1,1,2,2-tetrachloroethane	13.838	83	176508	56.89	ug/L	97
99) trans-1,4-dichloro-2-b...	13.874	53	30797	56.35	ug/L	98
100) 1,2,3-trichloropropane	13.932	110	48095	57.97	ug/L	88
101) bromobenzene	13.969	156	210337	57.94	ug/L	99
102) n-propylbenzene	14.010	91	911086	58.27	ug/L	99
103) 2-chlorotoluene	14.152	126	194191	57.98	ug/L	99
104) 4-chlorotoluene	14.277	91	507183	57.35	ug/L	99
105) 1,3,5-trimethylbenzene	14.188	105	705155	58.86	ug/L	99
106) tert-butylbenzene	14.560	119	583978	60.56	ug/L	100
107) 1,2,4-trimethylbenzene	14.617	105	715631	57.64	ug/L	96
108) sec-butylbenzene	14.805	105	929969	59.40	ug/L	99
109) p-isopropyltoluene	14.952	119	823634	58.46	ug/L	99
110) 1,3-dichlorobenzene	14.988	146	402438	57.14	ug/L	98
112) 1,4-dichlorobenzene	15.093	146	404952	55.47	ug/L	98
113) 1,2-dichlorobenzene	15.501	146	432321	57.52	ug/L	100
114) benzyl chloride	15.187	91	373789	56.40	ug/L	99
115) n-butylbenzene	15.412	92	395572	57.73	ug/L	99
116) hexachloroethane	15.841	201	154464	57.55	ug/L	98
117) 1,2-dibromo-3-chloropr...	16.338	157	58354	61.45	ug/L	98
118) 1,3,5-trichlorobenzene	16.563	180	436408	61.19	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	422758	61.79	ug/L	98
120) hexachlorobutadiene	17.373	225	186003	56.93	ug/L	98
121) naphthalene	17.536	128	796161	60.24	ug/L	100
122) 1,2,3-trichlorobenzene	17.771	180	379072	62.44	ug/L	97
123) 2-methylnaphthalene	18.786	142	237847	30.25	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104818.D
Acq On : 16 Jun 2021 11:33 pm
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 22 17:14:14 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:13:13 2021
QLast Update : Tue Jun 22 17:13:13 2021
Response via : Initial Calibration



M4B4538.M Tue Jun 22 17:53:16 2021 MS4B Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104819.D
Acq On : 17 Jun 2021 12:01 am
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 17 15:19:09 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:41:19 2021
QLast Update : Thu Jun 17 09:41:19 2021
Response via : Initial Calibration

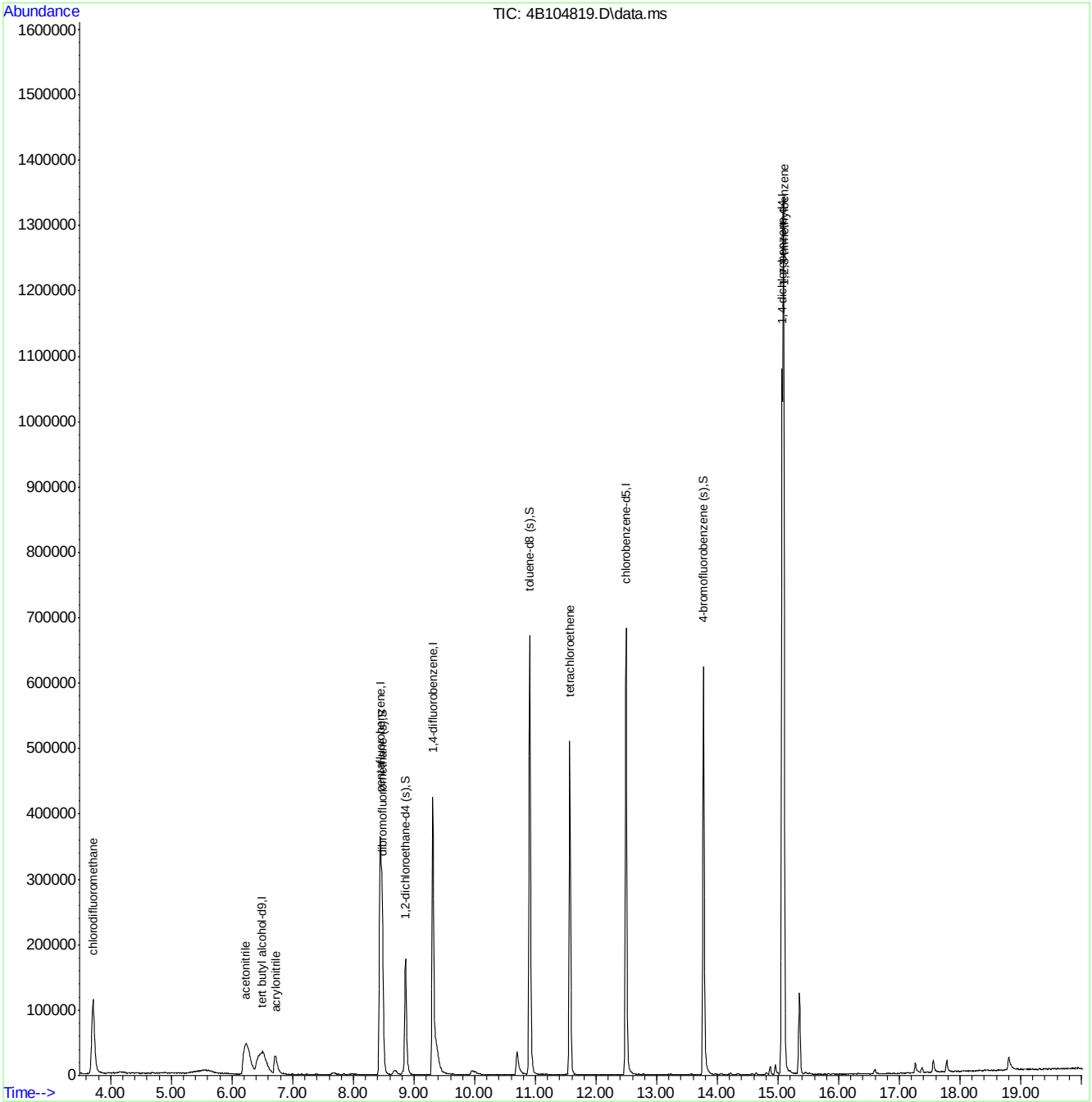
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	6.495	65	186320	500.00	ug/L	-0.01
5) pentafluorobenzene	8.445	168	335827	50.00	ug/L	0.00
52) 1,4-difluorobenzene	9.314	114	410345	50.00	ug/L	0.00
73) chlorobenzene-d5	12.494	117	412035	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	15.067	152	303425	50.00	ug/L	0.00
System Monitoring Compounds						
44) dibromofluoromethane (s)	8.477	113	144527	48.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.02%			
53) 1,2-dichloroethane-d4 (s)	8.864	65	142147	48.53	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.06%			
74) toluene-d8 (s)	10.909	98	497580	49.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.14%			
97) 4-bromofluorobenzene (s)	13.770	95	216763	48.64	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.28%			
Target Compounds						Qvalue
6) chlorodifluoromethane	3.707	51	280171	53.51	ug/L	99
19) acetonitrile	6.217	41	199152	595.26	ug/L	96
31) acrylonitrile	6.720	53	41854	56.10	ug/L	97
79) tetrachloroethene	11.568	164	135488	54.29	ug/L	98
111) 1,2,3-trimethylbenzene	15.093	105	769186	50.98	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\V4B4538\
Data File : 4B104819.D
Acq On : 17 Jun 2021 12:01 am
Operator : EddieH
Sample : icv4538-50
Misc : MS51263,V4B4538,W,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 17 15:19:09 2021
Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uThu Jun 17 09:41:19 2021
QLast Update : Thu Jun 17 09:41:19 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105506.d
Acq On : 14 Jul 2021 10:03 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 06:50:37 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.484	65	269153	500.00	ug/L		0.05
5) pentafluorobenzene	8.446	168	524345	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.309	114	631616	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	632109	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.062	152	465371	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.472	113	221649	47.65	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.30%				
53) 1,2-dichloroethane-d4 (s)	8.859	65	206866	45.88	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 91.76%				
74) toluene-d8 (s)	10.904	98	734754	47.72	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.44%				
97) 4-bromofluorobenzene (s)	13.765	95	307335	44.97	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.94%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.589	59	61080	111.06	ug/L		99
4) 1,4-dioxane	9.936	88	30049	605.75	ug/L		94
6) chlorodifluoromethane	3.707	51	117952	14.43	ug/L		96
7) dichlorodifluoromethane	3.697	85	171257	16.29	ug/L		94
8) chloromethane	4.000	50	156344	15.92	ug/L		96
9) vinyl chloride	4.188	62	155642	17.12	ug/L		98
10) 1,3-butadiene	4.199	54	114840	17.82	ug/L	#	83
11) bromomethane	4.711	94	124563	19.07	ug/L		92
12) chloroethane	4.837	64	71576	17.80	ug/L		97
13) trichlorofluoromethane	5.239	101	191708	19.42	ug/L		98
14) ethyl ether	5.532	74	32313	19.17	ug/L		92
15) acrolein	5.721	56	13243	20.38	ug/L		97
16) freon 113	5.935	151	99511	18.58	ug/L		91
17) 1,1-dichloroethene	5.898	61	117434	17.73	ug/L		97
18) acetone	5.872	58	32353	108.21	ug/L	#	70
19) acetonitrile	6.233	41	114429	219.06	ug/L		95
20) iodomethane	6.113	142	186809	18.94	ug/L		98
21) carbon disulfide	6.254	76	279371	16.50	ug/L		99
22) methylene chloride	6.484	84	89965	19.50	ug/L		95
23) methyl acetate	6.270	43	46697	17.58	ug/L		99
24) methyl tert butyl ether	6.814	73	242389	20.00	ug/L		96
25) trans-1,2-dichloroethene	6.835	61	106799	17.46	ug/L		94
26) hexane	7.154	56	50681	15.69	ug/L		97
27) di-isopropyl ether	7.332	45	276293	17.05	ug/L		98
28) 2-butanone	7.896	72	31181	109.76	ug/L	#	59
29) 1,1-dichloroethane	7.326	63	135238	18.51	ug/L		99
30) chloroprene	7.426	53	95988	17.22	ug/L		93
31) acrylonitrile	6.720	53	25282	21.70	ug/L		94
32) vinyl acetate	7.269	86	11490	20.98	ug/L	#	64
33) ethyl tert-butyl ether	7.740	59	281197	19.36	ug/L		97
34) ethyl acetate	7.907	45	10055	19.66	ug/L	#	6
35) 2,2-dichloropropane	8.006	77	163326	19.42	ug/L		95
36) cis-1,2-dichloroethene	7.959	96	85818	19.63	ug/L		94
37) propionitrile	7.938	54	104512	228.59	ug/L		99
38) methyl acrylate	7.996	85	9459	21.68	ug/L	#	68
39) methacrylonitrile	8.127	67	23695	20.00	ug/L		93
40) bromochloromethane	8.231	128	49441	21.59	ug/L		90
41) tetrahydrofuran	8.257	72	9378	22.94	ug/L	#	82
42) chloroform	8.304	83	141917	18.69	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105506.d
Acq On : 14 Jul 2021 10:03 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 06:50:37 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.341	59	88651	21.73	ug/L		94
45) 1,1,1-trichloroethane	8.561	97	168190	18.58	ug/L		97
46) cyclohexane	8.686	84	145564	18.46	ug/L		90
48) 1,1-dichloropropene	8.712	75	92247	18.06	ug/L		94
49) carbon tetrachloride	8.754	117	155540	19.13	ug/L		98
50) tert-amyl alcohol	8.817	73	23309	112.94	ug/L	#	82
51) isopropyl acetate	8.838	87	15031	21.81	ug/L	#	53
54) n-butyl alcohol	9.350	41	94969	1127.91	ug/L		94
55) 2,2,4-trimethylpentane	9.037	57	277691	19.12	ug/L		96
56) benzene	8.937	78	271816	19.08	ug/L		97
57) tert-amyl methyl ether	9.016	73	278941	20.72	ug/L		96
58) heptane	9.183	57	50529	18.48	ug/L	#	84
59) 1,2-dichloroethane	8.942	62	97193	18.87	ug/L		99
60) ethyl acrylate	9.596	55	74732	20.74	ug/L		99
61) trichloroethene	9.617	95	72838	19.39	ug/L		96
62) 2-chloroethyl vinyl ether	10.360	63	213707	106.59	ug/L		95
63) methyl methacrylate	9.842	100	15249	20.93	ug/L	#	88
64) methylcyclohexane	9.921	83	154677	17.92	ug/L		95
65) 1,2-dichloropropane	9.879	63	73279	18.45	ug/L		97
66) dibromomethane	9.989	93	51117	22.24	ug/L		90
67) bromodichloromethane	10.130	83	103990	20.13	ug/L		99
68) 2-nitropropane	10.302	41	17347	24.14	ug/L		96
69) epichlorohydrin	10.444	57	38520	120.92	ug/L		98
70) cis-1,3-dichloropropene	10.585	75	120306	21.01	ug/L		93
71) 4-methyl-2-pentanone	10.679	58	122088	89.87	ug/L		87
72) isoamyl alcohol	10.684	70	53773	527.16	ug/L	#	84
75) toluene	10.982	92	176869	19.40	ug/L		97
76) ethyl methacrylate	11.160	69	77206	19.93	ug/L		94
77) trans-1,3-dichloropropene	11.160	75	109898	22.02	ug/L		93
78) 1,1,2-trichloroethane	11.390	83	55696	21.12	ug/L		93
79) tetrachloroethene	11.568	164	77680	20.29	ug/L		97
80) 2-hexanone	11.558	58	106425	95.91	ug/L		98
81) 1,3-dichloropropane	11.573	76	107804	21.65	ug/L		93
82) butyl acetate	11.657	56	47799	22.42	ug/L		91
83) dibromochloromethane	11.840	129	98043	22.89	ug/L		100
84) 1,2-dibromoethane	12.007	107	76625	21.92	ug/L		99
85) n-butyl ether	12.499	57	347581	19.35	ug/L		97
86) chlorobenzene	12.525	112	224817	20.91	ug/L		96
87) 1,1,1,2-tetrachloroethane	12.593	131	114785	21.51	ug/L		98
88) ethylbenzene	12.598	91	374382	19.52	ug/L		97
89) m,p-xylene	12.729	106	303861	41.09	ug/L		96
90) o-xylene	13.163	91	338812	19.72	ug/L		100
91) styrene	13.179	104	228298	20.98	ug/L		98
92) butyl acrylate	12.985	55	149994	20.53	ug/L		98
93) isopropylbenzene	13.550	105	450046	19.37	ug/L		98
94) bromoform	13.420	173	85612	25.46	ug/L		96
95) cis-1,4-dichloro-2-butene	13.571	88	15421	16.13	ug/L		88
98) 1,1,2,2-tetrachloroethane	13.838	83	114290	20.81	ug/L		99
99) trans-1,4-dichloro-2-b...	13.880	53	12614	14.49	ug/L		98
100) 1,2,3-trichloropropane	13.932	110	32185	21.91	ug/L		86
101) bromobenzene	13.969	156	130002	20.23	ug/L		91
102) n-propylbenzene	14.011	91	495879	17.92	ug/L		100
103) 2-chlorotoluene	14.152	126	116148	19.59	ug/L		92
104) 4-chlorotoluene	14.277	91	300654	19.20	ug/L		97
105) 1,3,5-trimethylbenzene	14.188	105	389538	18.37	ug/L		99
106) tert-butylbenzene	14.560	119	305769	17.91	ug/L		99
107) 1,2,4-trimethylbenzene	14.617	105	411095	18.70	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105506.d
Acq On : 14 Jul 2021 10:03 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 06:50:37 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

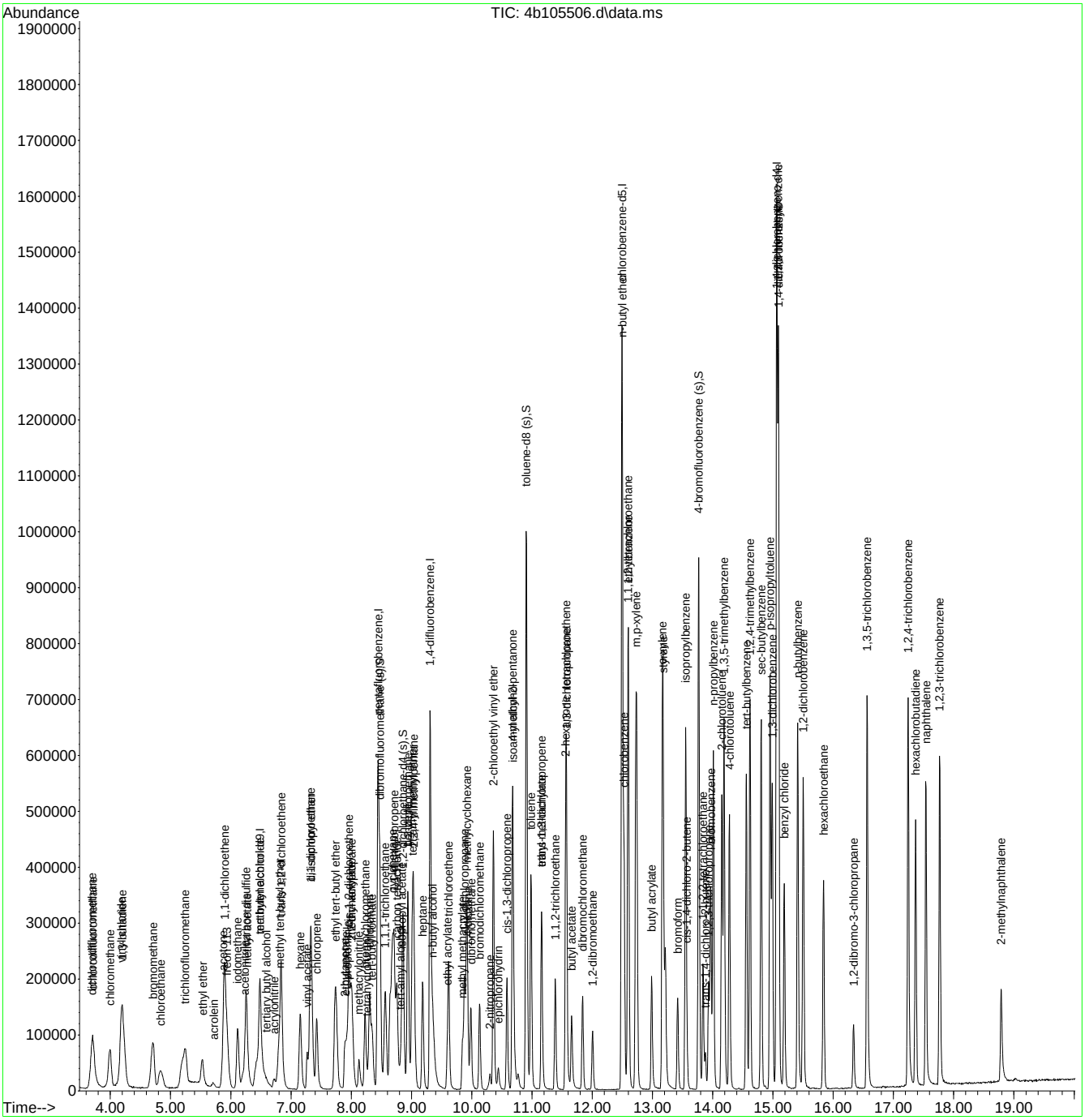
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.806	105	496859	17.93	ug/L	99
109) p-isopropyltoluene	14.952	119	458542	18.38	ug/L	98
110) 1,3-dichlorobenzene	14.989	146	256006	20.53	ug/L	99
111) 1,2,3-trimethylbenzene	15.088	105	446991	19.32	ug/L	99
112) 1,4-dichlorobenzene	15.093	146	253873	19.64	ug/L	99
113) 1,2-dichlorobenzene	15.501	146	272086	20.45	ug/L	97
114) benzyl chloride	15.187	91	286763	24.44	ug/L	100
115) n-butylbenzene	15.412	92	224038	18.47	ug/L	97
116) hexachloroethane	15.841	201	82547	19.19	ug/L	93
117) 1,2-dibromo-3-chloropr...	16.343	157	41075	24.43	ug/L	94
118) 1,3,5-trichlorobenzene	16.563	180	275127	21.79	ug/L	96
119) 1,2,4-trichlorobenzene	17.243	180	257610	21.27	ug/L	98
120) hexachlorobutadiene	17.368	225	115716	20.01	ug/L	96
121) naphthalene	17.541	128	489885	20.94	ug/L	98
122) 1,2,3-trichlorobenzene	17.766	180	232984	21.68	ug/L	98
123) 2-methylnaphthalene	18.786	142	119890	8.61	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nizele\2021\7_july\7-15-2021\v4b4570\
Data File : 4b105506.d
Acq On : 14 Jul 2021 10:03 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52154,V4B4570,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 15 06:50:37 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105532.d
Acq On : 15 Jul 2021 9:53 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:42:35 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	6.474	65	308817	500.00	ug/L		0.04
5) pentafluorobenzene	8.445	168	588151	50.00	ug/L		0.00
52) 1,4-difluorobenzene	9.308	114	707797	50.00	ug/L		0.00
73) chlorobenzene-d5	12.494	117	709403	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	15.062	152	518641	50.00	ug/L		0.00
System Monitoring Compounds							
44) dibromofluoromethane (s)	8.477	113	241051	46.20	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.40%				
53) 1,2-dichloroethane-d4 (s)	8.864	65	222340	44.01	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 88.02%				
74) toluene-d8 (s)	10.909	98	825219	47.75	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.50%				
97) 4-bromofluorobenzene (s)	13.770	95	340643	44.72	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.44%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	6.563	59	58946	93.42	ug/L		96
4) 1,4-dioxane	9.957	88	27959	491.23	ug/L		81
6) chlorodifluoromethane	3.712	51	127574	13.91	ug/L		99
7) dichlorodifluoromethane	3.702	85	191347	16.22	ug/L		100
8) chloromethane	3.995	50	180877	16.42	ug/L		96
9) vinyl chloride	4.193	62	188572	18.49	ug/L		97
10) 1,3-butadiene	4.199	54	122465	16.94	ug/L		99
11) bromomethane	4.716	94	147078	20.07	ug/L		94
12) chloroethane	4.842	64	87941	19.50	ug/L		92
13) trichlorofluoromethane	5.245	101	228655	20.65	ug/L		96
14) ethyl ether	5.532	74	36236	19.17	ug/L		92
15) acrolein	5.721	56	14125	19.38	ug/L		97
16) freon 113	5.924	151	115957	19.30	ug/L		95
17) 1,1-dichloroethene	5.893	61	129951	17.49	ug/L		95
18) acetone	5.888	58	30128	89.84	ug/L	#	79
19) acetonitrile	6.217	41	113665	193.99	ug/L		99
20) iodomethane	6.118	142	210746	19.05	ug/L		97
21) carbon disulfide	6.254	76	320005	16.85	ug/L		99
22) methylene chloride	6.484	84	100958	19.51	ug/L		97
23) methyl acetate	6.280	43	54167	18.18	ug/L		97
24) methyl tert butyl ether	6.824	73	256988	18.90	ug/L		94
25) trans-1,2-dichloroethene	6.835	61	123478	18.00	ug/L		99
26) hexane	7.154	56	58235	16.07	ug/L		92
27) di-isopropyl ether	7.331	45	302372	16.63	ug/L		94
28) 2-butanone	7.896	72	31269	98.13	ug/L	#	69
29) 1,1-dichloroethane	7.331	63	151667	18.50	ug/L		99
30) chloroprene	7.426	53	108176	17.30	ug/L		97
31) acrylonitrile	6.725	53	26205	20.05	ug/L		88
32) vinyl acetate	7.269	86	11653	18.97	ug/L	#	42
33) ethyl tert-butyl ether	7.745	59	304303	18.67	ug/L		97
34) ethyl acetate	7.907	45	10437	18.19	ug/L	#	26
35) 2,2-dichloropropane	8.006	77	179907	19.07	ug/L		96
36) cis-1,2-dichloroethene	7.964	96	96327	19.64	ug/L		90
37) propionitrile	7.938	54	105178	205.09	ug/L		95
38) methyl acrylate	7.996	85	10491	21.46	ug/L	#	72
39) methacrylonitrile	8.137	67	25980	19.55	ug/L		91
40) bromochloromethane	8.231	128	54880	21.37	ug/L		84
41) tetrahydrofuran	8.262	72	9574	20.88	ug/L	#	77
42) chloroform	8.304	83	158365	18.59	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105532.d
Acq On : 15 Jul 2021 9:53 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:42:35 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) tert-butyl formate	8.341	59	93493	20.43	ug/L		95
45) 1,1,1-trichloroethane	8.566	97	183484	18.07	ug/L		97
46) cyclohexane	8.691	84	183649	20.76	ug/L		86
48) 1,1-dichloropropene	8.712	75	106497	18.59	ug/L		99
49) carbon tetrachloride	8.759	117	171466	18.80	ug/L		98
50) tert-amyl alcohol	8.822	73	23905	103.26	ug/L		90
51) isopropyl acetate	8.843	87	15959	20.65	ug/L	#	71
54) n-butyl alcohol	9.350	41	96376	1021.42	ug/L		90
55) 2,2,4-trimethylpentane	9.036	57	329875	20.27	ug/L		98
56) benzene	8.937	78	311853	19.53	ug/L		98
57) tert-amyl methyl ether	9.016	73	298110	19.76	ug/L		96
58) heptane	9.188	57	58992	19.25	ug/L		91
59) 1,2-dichloroethane	8.948	62	102283	17.72	ug/L		98
60) ethyl acrylate	9.591	55	79256	19.63	ug/L		98
61) trichloroethene	9.617	95	83392	19.81	ug/L		98
62) 2-chloroethyl vinyl ether	10.360	63	224882	100.09	ug/L		98
63) methyl methacrylate	9.847	100	16615	20.35	ug/L	#	73
64) methylcyclohexane	9.920	83	182153	18.84	ug/L		91
65) 1,2-dichloropropane	9.879	63	80346	18.05	ug/L		100
66) dibromomethane	9.983	93	52620	20.43	ug/L		93
67) bromodichloromethane	10.130	83	115854	20.01	ug/L		99
68) 2-nitropropane	10.302	41	16911	21.00	ug/L		100
69) epichlorohydrin	10.443	57	39314	110.13	ug/L		99
70) cis-1,3-dichloropropene	10.585	75	134649	20.98	ug/L		96
71) 4-methyl-2-pentanone	10.679	58	128339	84.30	ug/L		92
72) isoamyl alcohol	10.689	70	58447	511.31	ug/L	#	67
75) toluene	10.982	92	203448	19.88	ug/L		98
76) ethyl methacrylate	11.160	69	84195	19.37	ug/L		94
77) trans-1,3-dichloropropene	11.160	75	117323	20.95	ug/L		89
78) 1,1,2-trichloroethane	11.390	83	62758	21.21	ug/L		95
79) tetrachloroethene	11.568	164	91455	21.28	ug/L		93
80) 2-hexanone	11.557	58	113969	91.51	ug/L		94
81) 1,3-dichloropropane	11.578	76	114512	20.49	ug/L		94
82) butyl acetate	11.657	56	49022	20.48	ug/L		97
83) dibromochloromethane	11.840	129	106293	22.12	ug/L		99
84) 1,2-dibromoethane	12.002	107	82060	20.92	ug/L		99
85) n-butyl ether	12.499	57	390930	19.39	ug/L		97
86) chlorobenzene	12.530	112	254018	21.05	ug/L		96
87) 1,1,1,2-tetrachloroethane	12.593	131	126936	21.19	ug/L		96
88) ethylbenzene	12.598	91	429087	19.93	ug/L		99
89) m,p-xylene	12.729	106	346292	41.72	ug/L		95
90) o-xylene	13.163	91	382356	19.83	ug/L		99
91) styrene	13.179	104	256033	20.96	ug/L		96
92) butyl acrylate	12.985	55	162998	19.88	ug/L		97
93) isopropylbenzene	13.550	105	516658	19.81	ug/L		99
94) bromoform	13.419	173	91804	24.33	ug/L		98
95) cis-1,4-dichloro-2-butene	13.571	88	17404	16.22	ug/L		99
98) 1,1,2,2-tetrachloroethane	13.838	83	121405	19.83	ug/L		100
99) trans-1,4-dichloro-2-b...	13.880	53	14635	15.01	ug/L		85
100) 1,2,3-trichloropropane	13.932	110	32671	19.96	ug/L		87
101) bromobenzene	13.963	156	144814	20.22	ug/L		95
102) n-propylbenzene	14.010	91	574747	18.63	ug/L		99
103) 2-chlorotoluene	14.152	126	131221	19.86	ug/L		94
104) 4-chlorotoluene	14.277	91	337233	19.33	ug/L		97
105) 1,3,5-trimethylbenzene	14.188	105	439382	18.59	ug/L		98
106) tert-butylbenzene	14.560	119	350812	18.44	ug/L		98
107) 1,2,4-trimethylbenzene	14.617	105	462700	18.89	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105532.d
Acq On : 15 Jul 2021 9:53 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:42:35 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration

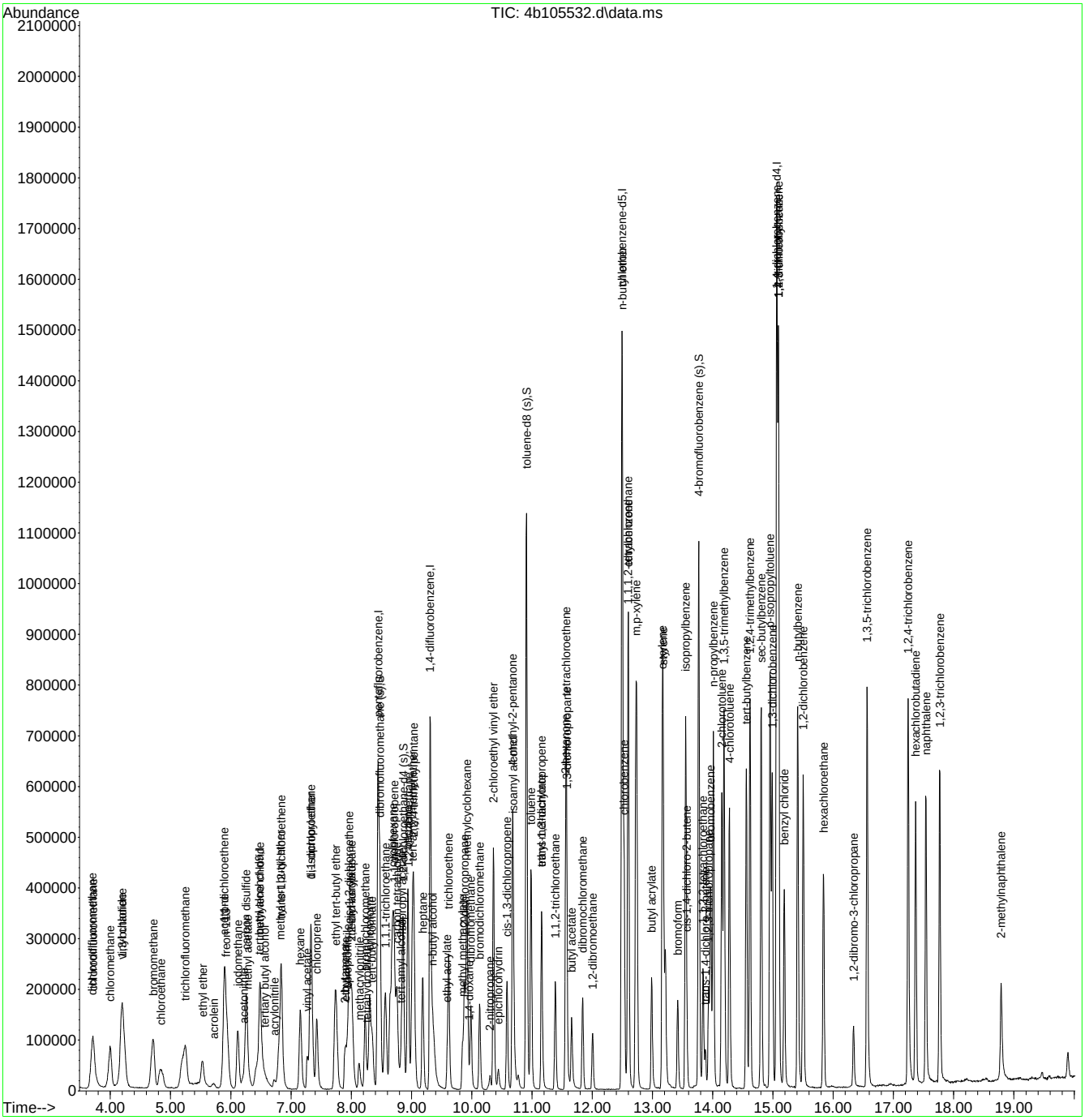
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	14.805	105	575163	18.62	ug/L	98
109) p-isopropyltoluene	14.952	119	530268	19.08	ug/L	98
110) 1,3-dichlorobenzene	14.988	146	289502	20.84	ug/L	97
111) 1,2,3-trimethylbenzene	15.093	105	498230	19.32	ug/L	98
112) 1,4-dichlorobenzene	15.093	146	289716	20.12	ug/L	98
113) 1,2-dichlorobenzene	15.501	146	305133	20.58	ug/L	97
114) benzyl chloride	15.187	91	308816	23.62	ug/L	97
115) n-butylbenzene	15.412	92	265274	19.62	ug/L	99
116) hexachloroethane	15.841	201	94043	19.58	ug/L	94
117) 1,2-dibromo-3-chloropr...	16.338	157	43695	23.32	ug/L	93
118) 1,3,5-trichlorobenzene	16.563	180	315533	22.43	ug/L	99
119) 1,2,4-trichlorobenzene	17.243	180	288804	21.40	ug/L	98
120) hexachlorobutadiene	17.368	225	137603	21.35	ug/L	98
121) naphthalene	17.541	128	520583	19.97	ug/L	97
122) 1,2,3-trichlorobenzene	17.771	180	249934	20.87	ug/L	96
123) 2-methylnaphthalene	18.786	142	141410	9.12	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\07-16-21\v4b4571\
Data File : 4b105532.d
Acq On : 15 Jul 2021 9:53 am
Operator : brittank
Sample : cc4538-20 Inst : MS4B
Misc : MS52219,V4B4571,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M4B4538.M
Quant Results File: M4B4538.RES
Quant Time: Jul 16 00:42:35 2021
Quant Title : SW846 8260C/D, Rxi624.1 Sil MS 60m x 0.25mm x 1.4uTue Jun 22 17:39:51 2021
QLast Update : Tue Jun 22 17:39:51 2021
Response via : Initial Calibration



GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2718-2.60	EC: V021-2718-35.11	AA: V021-2718-23.7	Ext. PA: V021-2718-39.2	Column	Rxi-624(60mx0.25mmx1.4um)
Standard Concentration	100-10,000ppm	100ppm	100ppm	100-1,000ppm	Method	V8260D
Expiration Date	6/21/2021	6/22/2021	7/8/2021	7/16/2021	Init Calib Date	6/16/2021
Standard	Ext. ABK: V021-2718-7.7	Ext. EC: V021-2718-35.11	Ext. Acrolein: V021-2718-28.3	Ext. Chlorodifluoromethane:		
Standard Concentration	100-10,000ppm	100ppm	100ppm	100ppm	Analysis Date	6/16/2021
Expiration Date	6/26/2021	6/22/2021	7/16/2021	6/27/2021	Sequence loaded by	Bridget Kelly
					Data processed by	Bridget Kelly
					Batch ID	V4B4538
Internal Surrogate	V021-2718-25				Matrix	AQ
Internal Surrogate Concentration	250/2500ppm				Approved By:	KANYAV
Expiration Date	7/9/2021		Initial Calibration Method	V4B4538	Approved Date:	6/18/2021 2:31:49 AM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	104804	IB		NA			5			1	ok	
4B	104805	BFB		NA			5			2	ok	
4B	104806	IC4535-0.2		NA		Initial Calibration	5			3	ok	1uL ABK, EC, AA/500mL DI H2O.
4B	104807	IC4535-0.5		NA		Initial Calibration	5			4	ok	1uL ABK, EC, AA/200mL DI H2O.
4B	104808	IC4535-1		NA		Initial Calibration	5			5	ok	1uL ABK, EC, AA/100mL DI H2O.
4B	104809	IC4535-2		NA		Initial Calibration	5			6	ok	2uL ABK, EC, AA/100mL DI H2O.
4B	104810	IC4535-4		NA		Initial Calibration	5			7	ok	4uL ABK, EC, AA/100mL DI H2O.
4B	104811	IC4535-8		NA		Initial Calibration	5			8	ok	8uL ABK, EC, AA/100mL DI H2O.
4B	104812	IC4535-20		NA		Initial Calibration	5			9	ok	20uL ABK, EC, AA/100mL DI H2O.
4B	104813	ICC4535-50		NA		Initial Calibration	5			10	ok	50uL ABK, EC, AA/100mL DI H2O.
4B	104814	IC4535-100		NA		Initial Calibration	5			11	ok	100uL ABK, EC, AA/100mL DI H2O.

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	104815	IC4535-200		NA		Initial Calibration	5			12	ok	200uL ABK, EC, AA/100mL DI H2O.
4B	104816	IB		NA			5			13	ok	
4B	104817	IB		NA			5			14	ok	
4B	104818	ICV4535-50		NA		Initial Calibration	5			15	ok	50uL Ext. ABK, EC, Acrolein/100mL DI H2O.
4B	104819	ICV4535-50		NA		Initial Calibration	5			16	ok	50uL Ext. PA, Chlorodifluoromethane/100mL DI H2O.
4B	104820	IB		NA			5			17	ok	

GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2718-47.61	EC: V021-2718-65.8	AA: V021-2718-70.7		Column	Rxi-624(60mx0.25mmx1.4 um)
Standard Concentration	100-10,000ppm	100ppm	100ppm		Method	V8260D
Expiration Date	7/23/2021	7/14/2021	8/8/2021		Init Calib Date	6/16/2021
Internal Surrogate	V021-2718-56					
I/S Concentration	250/2,500ppm				Analysis Date	7/14/2021
Expiration Date	7/29/2021				Sequence loaded by	Brittany Klimek
					Data processed by	nizele
					Batch ID	V4B4570
Rough reviewed by:	brittank 7/15				Matrix	AQ
					Approved By:	MEI
pH paper Lot# (wide range):	223120	Exp. 8/15/2023	Initial Calibration Method	M4B4538	Approved Date:	7/15/2021 10:38:29 AM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	105505	IB		NA			5			1	ok	
4B	105506	BFB/CC4538-20		NA			5			2	ok/ok	20uL ABK, EC, AA/100mL DI H2O. 7/14/2021; 10:03AM. Low: #8; High: #18, 28, 94, 117.
4B	105507	CC4538-1		NA			5			3	ok	1uL ABK, EC, AA/100mL DI H2O. For #8.
4B	105508	BS		NA			5			4	ok	50uL ABK, EC, AA/100mL DI H2O. High: #18, 28.
4B	105509	IB		NA			5			5	ok	
4B	105510	MB		NA			5			6	ok	
4B	105511	JD27982-9	4	NA	MS52219	V8260TCL11	5		1	7	ok	
4B	105512	JD27982-10	2	NA	MS52219	V8260TCL11	5		1	8	ok	
4B	105513	JD27982-1	10	NA	MS52219	V8260TCL11	5		1	9	ok	
4B	105514	JD27982-2	4	NA	MS52219	V8260TCL11	5		1	10	ok	
4B	105515	JD27982-3	4	NA	MS52219	V8260TCL11	5		1	11	ok	

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	105516	JD27982-4	4	NA	MS52219	V8260TCL11	5		1	12	ok	
4B	105517	JD27982-5	4	NA	MS52219	V8260TCL11	5		1	13	ok	
4B	105518	JD27982-6	4	NA	MS52219	V8260TCL11	5		1	14	ok	
4B	105519	JD28006-7	7	2.5x	MS52219	V8260TCL20+, 124TMB	20/50		1	15	ok	Cfs.+2E170339.
4B	105520	JD27982-1MS	11	NA	MS52219	V8260TCL11	5		1	16	rr	rr; matrix c/o. 20uL ABK, EC, AA/40mL sample.
4B	105521	JD27982-1MSD	12	NA	MS52219	V8260TCL11	5		1	17	rr	rr; matrix c/o. 20uL ABK, EC, AA/40mL sample.
4B	105522	IB		NA			5			18	ok	
4B	105523	JD27982-7	4	NA	MS52219	V8260TCL11	5		1	19	rr	rr 1x; matrix c/o.
4B	105524	JD28003-3	2	NA	MS52212	V8260BENZ	5		1	20	ok	
4B	105525	JD28003-1	1	10x	MS52212	V8260BENZ	5/50		1	21	ok	
4B	105526	JD28003-2	1	2.5x	MS52212	V8260BENZ	20/50		1	22	ok	
4B	105527	JD28003-4	2	2.5x	MS52212	V8260BENZ	20/50		1	23	ok	
4B	105528	JD27982-1MS	13	NA	MS52219	V8260TCL11	5		1	24	ok	20uL ABK, EC, AA/40mL sample.
4B	105529	JD27982-1MSD	14	NA	MS52219	V8260TCL11	5		1	25	ok	20uL ABK, EC, AA/40mL sample. (9:27 pm)
4B	105530	IB		NA			5			26	ok	

GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2718-47.61	EC: V021-2718-77.4	AA: V021-2718-70.7		Column	Rxi-624(60mx0.25mmx1.4 um)
Standard Concentration	100-10,000ppm	100ppm	100ppm		Method	V8260D
Expiration Date	7/23/2021	7/22/2021	8/8/2021		Init Calib Date	6/16/2021
Internal Surrogate	V021-2718-56					
I/S Concentration	250/2,500ppm				Analysis Date	7/15/2021
Expiration Date	7/29/2021				Sequence loaded by	Brittany Klimek
					Data processed by	davem1
					Batch ID	V4B4571
Rough reviewed by:	brittank 7/16				Matrix	AQ
					Approved By:	MOHUI
pH paper Lot# (wide range):	223120	Exp. 8/15/2023	Initial Calibration Method	M4B4538	Approved Date:	7/16/2021 12:16:26 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	105531	IB		NA			5			1	ok	
4B	105532	BFB/CC4538-20		NA			5			2	ok/ok	20uL ABK, EC, AA/100mL DI H2O. 7/15/2021; 9:53AM. High: #28, 94.
4B	105533	CC4538-1		NA			5			3	not used	1uL ABK, EC, AA/100mL DI H2O.
4B	105534	BS		NA			5			4	ok	50uL ABK, EC, AA/100mL DI H2O. High: #18, 28.
4B	105535	IB		NA			5			5	ok	
4B	105536	MB		NA			5			6	ok	
4B	105537	JD27982-7	6	NA	MS52219	V8260TCL11	5		1	7	ok	
4B	105538	JD27982-8	4	NA	MS52219	V8260TCL11	5		1	8	ok	
4B	105539	JD27981-1	1	5x	MS52221	V8260PCE, TCE	10/50		1	9	ok/dl	+3D166741.
4B	105540	JD27981-3	7	NA	MS52221	V8260BTXMN, PCE, TCE, VC	5		1	10	ok/dl	+3D166743.
4B	105541	JD28003-5	2	10x	MS52212	V8260BENZ, VLS	5/50		1	11	not used	Too dilute.

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
4B	105542	JD28003-5	2	NA	MS52212	V8260BENZ, VLS	5		1	12	ok	Do not report epa tcl compounds as tics.
4B	105543	JD28003-6	1	NA	MS52212	V8260TBA	5		1	13	ok/dl	+4B105549.
4B	105544	JD27981-1MS	1	5x	MS52221	V8260PCE, TCE	10/50		1	14	ok	25uL ABK, EC, AA/50mL.
4B	105545	JD27981-1MSD	1	5x	MS52221	V8260PCE, TCE	10/50		1	15	ok	25uL ABK, EC, AA/50mL.
4B	105546	IB		NA			5			16	ok	
4B	105547	JD28050-1	1	NA	MS52233	V8260TCL20+, NAP, TBA	5		1	17	ok	
4B	105548	JD28003-7	1	NA	MS52212	V8260BENZ, MTBE, TBA	5		1	18	ok/dl	f/d 10x.
4B	105549	JD28003-6	1	20x	MS52212	V8260TBA	2.5/50		1	19	ok	+4B105543.
4B	105550	JD27999-1	2	NA	MS52218	V8260PAUGTMB	5		1	20	ok	
4B	105551	JD27999-2	2	NA	MS52218	V8260PAUGTMB	5		1	21	ok	
4B	105552	JD27999-3	1	NA	MS52218	V8260PAUGTMB	5		1	22	ok	
4B	105553	JD27999-4	2	NA	MS52218	V8260PAUGTMB	5		1	23	ok	
4B	105554	JD27999-5	1	2x	MS52218	V8260PAUGTMB	25/50		1	24	ok	
4B	105555	JD27999-6	1	2x	MS52218	V8260PAUGTMB	25/50		1	25	ok	(08:57 PM)
4B	105556	IB		NA			5			26	ok	

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34258A-MB1	3P93846.D	1	07/12/21	CS	07/12/21	OP34258A	E3P4427

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-7, JD27982-8, JD27982-9

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	0.0605	0.080	0.040	ug/l	J
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	53%	15-110%
4165-62-2	Phenol-d5	35%	12-110%
118-79-6	2,4,6-Tribromophenol	98%	32-143%
4165-60-0	Nitrobenzene-d5	79%	29-124%
321-60-8	2-Fluorobiphenyl	77%	23-122%
1718-51-0	Terphenyl-d14	95%	22-130%

Blank Spike Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34258A-BS12	3P93853.D	1	07/13/21	CS	07/12/21	OP34258A	E3P4427

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-7, JD27982-8, JD27982-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	0.8	0.677	85	31-135
208-96-8	Acenaphthylene	0.8	0.659	82	28-130
120-12-7	Anthracene	0.8	0.726	91	40-125
56-55-3	Benzo(a)anthracene	0.8	0.768	96	38-132
50-32-8	Benzo(a)pyrene	0.8	0.649	81	31-110
205-99-2	Benzo(b)fluoranthene	0.8	0.779	97	31-113
191-24-2	Benzo(g,h,i)perylene	0.8	0.541	68	18-110
207-08-9	Benzo(k)fluoranthene	0.8	0.767	96	31-119
218-01-9	Chrysene	0.8	0.726	91	43-119
53-70-3	Dibenzo(a,h)anthracene	0.8	0.563	70	20-112
206-44-0	Fluoranthene	0.8	0.711	89	48-118
86-73-7	Fluorene	0.8	0.694	87	42-123
193-39-5	Indeno(1,2,3-cd)pyrene	0.8	0.543	68	18-113
91-20-3	Naphthalene	0.8	0.643	80	30-114
85-01-8	Phenanthrene	0.8	0.755	94	45-125
129-00-0	Pyrene	0.8	0.737	92	48-125

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	59%	15-110%
4165-62-2	Phenol-d5	40%	12-110%
118-79-6	2,4,6-Tribromophenol	103%	32-143%
4165-60-0	Nitrobenzene-d5	87%	29-124%
321-60-8	2-Fluorobiphenyl	90%	23-122%
1718-51-0	Terphenyl-d14	90%	22-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34258A-MSA	3P93854.D	1	07/13/21	CS	07/12/21	OP34258A	E3P4427
OP34258A-MSDA	3P93855.D	1	07/13/21	CS	07/12/21	OP34258A	E3P4427
JD27982-1 [a]	3P93859.D	1	07/13/21	CS	07/12/21	OP34258A	E3P4427

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JD27982-1, JD27982-2, JD27982-3, JD27982-4, JD27982-5, JD27982-6, JD27982-7, JD27982-8, JD27982-9

CAS No.	Compound	JD27982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		0.8	0.606	76	0.8	0.625	78	3	22-149/33
208-96-8	Acenaphthylene	ND		0.8	0.580	73	0.8	0.632	79	9	20-146/36
120-12-7	Anthracene	ND		0.8	0.752	94	0.8	0.728	91	3	28-144/32
56-55-3	Benzo(a)anthracene	ND		0.8	0.681	85	0.8	0.671	84	1	27-144/36
50-32-8	Benzo(a)pyrene	ND		0.8	0.557	70	0.8	0.561	70	1	21-113/41
205-99-2	Benzo(b)fluoranthene	ND		0.8	0.692	87	0.8	0.736	92	6	21-123/41
191-24-2	Benzo(g,h,i)perylene	ND		0.8	0.430	54	0.8	0.428	54	0	10-113/48
207-08-9	Benzo(k)fluoranthene	ND		0.8	0.609	76	0.8	0.573	72	6	23-122/42
218-01-9	Chrysene	ND		0.8	0.666	83	0.8	0.631	79	5	31-128/34
53-70-3	Dibenzo(a,h)anthracene	ND		0.8	0.459	57	0.8	0.414	52	10	12-114/47
206-44-0	Fluoranthene	ND		0.8	0.685	86	0.8	0.661	83	4	34-134/32
86-73-7	Fluorene	ND		0.8	0.643	80	0.8	0.646	81	0	32-138/33
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.8	0.434	54	0.8	0.414	52	5	11-116/49
91-20-3	Naphthalene	ND		0.8	0.616	77	0.8	0.632	79	3	13-141/33
85-01-8	Phenanthrene	0.0639	JB	0.8	0.759	87	0.8	0.722	82	5	33-139/31
129-00-0	Pyrene	ND		0.8	0.684	86	0.8	0.669	84	2	35-142/33

CAS No.	Surrogate Recoveries	MS	MSD	JD27982-1	Limits
367-12-4	2-Fluorophenol	58%	56%		15-110%
4165-62-2	Phenol-d5	44%	38%		12-110%
118-79-6	2,4,6-Tribromophenol	107%	101%		32-143%
4165-60-0	Nitrobenzene-d5	88%	88%	89%	29-124%
321-60-8	2-Fluorobiphenyl	85%	86%	86%	23-122%
1718-51-0	Terphenyl-d14	89%	81%	90%	22-130%

(a) There are compounds contamination in MB. There's no sample left to re-extract.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	E3P4410-DFTPP	**Injection Date:**	06/27/21
Lab File ID:	3P93510.D	**Injection Time:**	12:50
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32827	35.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	37686	40.6		Pass
70	Less than 2.0% of mass 69	224	0.24	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	40820	44.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	92872	100.0		Pass
199	5.0 - 9.0% of mass 198	6633	7.14		Pass
275	10.0 - 30.0% of mass 198	23729	25.6		Pass
365	1.0 - 100.0% of mass 198	4100	4.41		Pass
441	Present, but less than mass 443	9474	10.2	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	61125	65.8		Pass
443	17.0 - 23.0% of mass 442	11973	12.9	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
E3P4410-ICC4410	3P93511.D	06/27/21	13:54	01:04	Initial cal 0.2
E3P4410-IC4410	3P93512.D	06/27/21	14:13	01:23	Initial cal 1
E3P4410-IC4410	3P93513.D	06/27/21	14:31	01:41	Initial cal .002
E3P4410-IC4410	3P93514.D	06/27/21	14:50	02:00	Initial cal .5
E3P4410-IC4410	3P93515.D	06/27/21	15:08	02:18	Initial cal .004
E3P4410-IC4410	3P93516.D	06/27/21	15:27	02:37	Initial cal .1
E3P4410-IC4410	3P93517.D	06/27/21	15:46	02:56	Initial cal .01
E3P4410-IC4410	3P93518.D	06/27/21	16:04	03:14	Initial cal .04
E3P4410-IC4410	3P93519.D	06/27/21	16:23	03:33	Initial cal .02

Instrument Performance Check (DFTPP)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	E3P4411-DFTPP	**Injection Date:**	06/28/21
Lab File ID:	3P93542.D	**Injection Time:**	12:36
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21863	31.3		Pass
68	Less than 2.0% of mass 69	228	0.33	(0.88) [a]	Pass
69	Mass 69 relative abundance	25984	37.2		Pass
70	Less than 2.0% of mass 69	79	0.11	(0.30) [a]	Pass
127	40.0 - 60.0% of mass 198	28581	40.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	69888	100.0		Pass
199	5.0 - 9.0% of mass 198	4746	6.79		Pass
275	10.0 - 30.0% of mass 198	17242	24.7		Pass
365	1.0 - 100.0% of mass 198	3104	4.44		Pass
441	Present, but less than mass 443	7358	10.5	(79.8) [b]	Pass
442	40.0 - 100.0% of mass 198	49205	70.4		Pass
443	17.0 - 23.0% of mass 442	9217	13.2	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
E3P4411-ICV4410	3P93543.D	06/28/21	12:48	00:12	Initial cal verification 0.2
E3P4411-CC4410	3P93544.D	06/28/21	13:29	00:53	Continuing cal 0.2
OP33954A-MB1	3P93545.D	06/28/21	13:50	01:14	Method Blank
ZZZZZZ	3P93546.D	06/28/21	14:10	01:34	(unrelated sample)
OP33954A-BS12	3P93547.D	06/28/21	14:30	01:54	Blank Spike
OP33954A-BSD12	3P93548.D	06/28/21	14:49	02:13	Blank Spike Duplicate
ZZZZZZ	3P93549.D	06/28/21	15:07	02:31	(unrelated sample)
ZZZZZZ	3P93550.D	06/28/21	15:26	02:50	(unrelated sample)
ZZZZZZ	3P93551.D	06/28/21	15:45	03:09	(unrelated sample)
ZZZZZZ	3P93552.D	06/28/21	16:04	03:28	(unrelated sample)
ZZZZZZ	3P93553.D	06/28/21	16:22	03:46	(unrelated sample)
ZZZZZZ	3P93554.D	06/28/21	16:41	04:05	(unrelated sample)
ZZZZZZ	3P93555.D	06/28/21	17:00	04:24	(unrelated sample)
ZZZZZZ	3P93556.D	06/28/21	17:18	04:42	(unrelated sample)
ZZZZZZ	3P93557.D	06/28/21	17:43	05:07	(unrelated sample)
ZZZZZZ	3P93558.D	06/28/21	18:02	05:26	(unrelated sample)
ZZZZZZ	3P93559.D	06/28/21	18:21	05:45	(unrelated sample)
ZZZZZZ	3P93560.D	06/28/21	18:39	06:03	(unrelated sample)
ZZZZZZ	3P93561.D	06/28/21	18:58	06:22	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	E3P4411-DFTPP	**Injection Date:**	06/28/21
Lab File ID:	3P93542.D	**Injection Time:**	12:36
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3P93562.D	06/28/21	19:17	06:41	(unrelated sample)
ZZZZZZ	3P93563.D	06/28/21	19:35	06:59	(unrelated sample)
ZZZZZZ	3P93564.D	06/28/21	19:54	07:18	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	E3P4427-DFTPP	**Injection Date:**	07/12/21
Lab File ID:	3P93844.D	**Injection Time:**	21:09
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	39881	39.0		Pass
68	Less than 2.0% of mass 69	733	0.72	(1.64) [a]	Pass
69	Mass 69 relative abundance	44595	43.6		Pass
70	Less than 2.0% of mass 69	353	0.35	(0.79) [a]	Pass
127	40.0 - 60.0% of mass 198	45711	44.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	102168	100.0		Pass
199	5.0 - 9.0% of mass 198	6865	6.72		Pass
275	10.0 - 30.0% of mass 198	26270	25.7		Pass
365	1.0 - 100.0% of mass 198	4945	4.84		Pass
441	Present, but less than mass 443	9862	9.65	(79.2) [b]	Pass
442	40.0 - 100.0% of mass 198	66568	65.2		Pass
443	17.0 - 23.0% of mass 442	12448	12.2	(18.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
E3P4427-CC4410	3P93845.D	07/12/21	21:20	00:11	Continuing cal 0.2
OP34258A-MB1	3P93846.D	07/12/21	22:00	00:51	Method Blank
OP34187A-MB1	3P93847.D	07/12/21	22:18	01:09	Method Blank
ZZZZZZ	3P93848.D	07/12/21	23:19	02:10	(unrelated sample)
ZZZZZZ	3P93849.D	07/12/21	23:37	02:28	(unrelated sample)
OP34187A-BS12	3P93851.D	07/13/21	00:14	03:05	Blank Spike
OP34187A-BSD12	3P93852.D	07/13/21	00:32	03:23	Blank Spike Duplicate
OP34258A-BS12	3P93853.D	07/13/21	00:51	03:42	Blank Spike
OP34258A-MSA	3P93854.D	07/13/21	01:09	04:00	Matrix Spike
OP34258A-MSDA	3P93855.D	07/13/21	01:28	04:19	Matrix Spike Duplicate
JD27891-2	3P93856.D	07/13/21	01:46	04:37	(used for QC only; not part of job JD27982)
OP34258A-MS2A	3P93857.D	07/13/21	02:05	04:56	Matrix Spike
OP34258A-MSD2A	3P93858.D	07/13/21	02:24	05:15	Matrix Spike Duplicate
JD27982-1	3P93859.D	07/13/21	02:42	05:33	MW-06D
ZZZZZZ	3P93860.D	07/13/21	03:00	05:51	(unrelated sample)
ZZZZZZ	3P93861.D	07/13/21	03:19	06:10	(unrelated sample)
ZZZZZZ	3P93862.D	07/13/21	03:37	06:28	(unrelated sample)
JD27982-2	3P93863.D	07/13/21	03:56	06:47	MW-06S
JD27982-3	3P93864.D	07/13/21	04:14	07:05	MW-04

Instrument Performance Check (DFTPP)

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample:	E3P4427-DFTPP	**Injection Date:**	07/12/21
Lab File ID:	3P93844.D	**Injection Time:**	21:09
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JD27982-4	3P93865.D	07/13/21	04:33	07:24	DUP 070821
JD27982-5	3P93866.D	07/13/21	04:51	07:42	MW-03
JD27982-6	3P93867.D	07/13/21	05:10	08:01	MW-02
JD27982-7	3P93868.D	07/13/21	05:28	08:19	MW-05
JD27982-8	3P93869.D	07/13/21	05:47	08:38	MW-01
JD27982-9	3P93870.D	07/13/21	06:05	08:56	FB 070821
ZZZZZZ	3P93872.D	07/13/21	06:42	09:33	(unrelated sample)
E3P4427-ECC4410	3P93873.D	07/13/21	07:00	09:51	Ending cal 0.2

Internal Standard Area Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	E3P4427-CC4410	**Injection Date:**	07/12/21
Lab File ID:	3P93845.D	**Injection Time:**	21:20
Instrument ID:	GCMS3P	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	25740	6.08	40705	7.51	73343	9.58	41029	12.19
Upper Limit [a]	51480	6.58	81410	8.01	146686	10.08	82058	12.69
Lower Limit [b]	12870	5.58	20353	7.01	36672	9.08	20515	11.69

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP34258A-MB1	19060	6.08	28556	7.52	51700	9.58	32802	12.20
OP34187A-MB1	23780	6.07	36552	7.52	66354	9.58	37515	12.19
ZZZZZZ	20248	6.08	30535	7.52	55852	9.58	32475	12.20
ZZZZZZ	20353	6.07	30740	7.52	56448	9.58	34090	12.19
OP34187A-BS12	22460	6.07	35606	7.52	63502	9.58	36471	12.19
OP34187A-BSD12	22766	6.07	35276	7.52	60842	9.58	36788	12.19
OP34258A-BS12	22775	6.07	34053	7.52	64468	9.58	38065	12.19
OP34258A-MSA	21538	6.07	33756	7.52	58193	9.58	37196	12.19
OP34258A-MSDA	22000	6.07	33822	7.52	60078	9.58	36561	12.19
JD27891-2	22246	6.07	34090	7.52	61631	9.58	36015	12.19
OP34258A-MS2A	23379	6.07	35730	7.52	64883	9.58	36657	12.19
OP34258A-MSD2A	22428	6.07	34973	7.52	61692	9.58	36777	12.19
JD27982-1 [c]	25075	6.07	38858	7.52	67315	9.58	35547	12.19
ZZZZZZ	21932	6.07	33396	7.52	60670	9.58	35965	12.19
ZZZZZZ	23111	6.07	33730	7.51	61990	9.58	34510	12.19
ZZZZZZ	23789	6.07	35774	7.51	65999	9.58	37965	12.19
JD27982-2 [c]	24846	6.07	38050	7.51	68706	9.58	38794	12.19
JD27982-3 [c]	24384	6.07	35512	7.51	61896	9.58	35680	12.19
JD27982-4 [c]	21342	6.07	32824	7.51	56193	9.58	32301	12.19
JD27982-5 [c]	25590	6.07	38515	7.51	68458	9.58	37287	12.19
JD27982-6 [c]	25145	6.07	37914	7.51	68641	9.58	37721	12.19
JD27982-7 [c]	23609	6.07	35810	7.51	63531	9.58	35882	12.19
JD27982-8 [c]	25844	6.07	39094	7.51	69134	9.58	36700	12.19
JD27982-9 [c]	23163	6.07	36329	7.51	63634	9.58	35887	12.19
ZZZZZZ	26260	6.09	33999	7.53	58291	9.60	40171	12.20
E3P4427-ECC4410	25071	6.08	34727	7.52	48228	9.59	42887	12.20

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(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) There are compounds contamination in MB. There's no sample left to re-extract.

Surrogate Recovery Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Method: SW846 8270E BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JD27982-1	3P93859.D	89	86	90
JD27982-2	3P93863.D	90	86	89
JD27982-3	3P93864.D	84	86	85
JD27982-4	3P93865.D	95	92	85
JD27982-5	3P93866.D	87	86	85
JD27982-6	3P93867.D	85	85	86
JD27982-7	3P93868.D	93	94	94
JD27982-8	3P93869.D	88	89	89
JD27982-9	3P93870.D	95	92	93
OP34258A-BS12	3P93853.D	87	90	90
OP34258A-MB1	3P93846.D	79	77	95
OP34258A-MSA	3P93854.D	88	85	89
OP34258A-MSDA	3P93855.D	88	86	81

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	29-124%
S2 = 2-Fluorobiphenyl	23-122%
S3 = Terphenyl-d14	22-130%

Initial Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4410-ICC4410
Lab FileID: 3P93511.D

Response Factor Report MSGC3P

Method : C:\MSDCHEM\1\MET...\M3P4410SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 28 13:21:59 2021
Response via : Initial Calibration

Calibration Files
1.0 =3p93512.D 0.5 =3p93514.D 0.2 =3p93511.D 0.1 =3p93516.D
0.04=3p93518.D 0.02=3p93519.D 0.01=3p93517.D .004=3p93515.D
.002=3p93513.D =

Compound	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	.002	Avg	%RSD
1) I 1-Methylnaphthalene-d	ISTD										
2) 1,4-dioxane	0.322	0.316	0.313	0.327	0.263	0.250				0.298	11.10
3) 2-Fluorophenol	0.583	0.611	0.676	0.674	0.611	0.631	0.629	0.491	0.560	0.607	9.46
4) Phenol-d5	0.877	0.872	0.931	0.908	0.833	0.821	0.825	0.620	0.734	0.824	11.63
5) Phenol	0.877	0.880	0.971	0.973	0.920	0.921	0.907	0.641	0.830	0.880	11.42
6) bis(2-Chloroethyl)ether										0.000#	-1.00
7) Nitrobenzene-d5	0.720	0.762	0.822	0.894	0.850	0.848	0.865	0.667	0.895	0.814	9.83
8) Naphthalene	2.387	2.284	2.410	2.495	2.397	2.463	2.542	2.473	2.786	2.471	5.65
9) Hexachlorobutadiene	0.588	0.559	0.598	0.599	0.574	0.579	0.628	0.559	0.838	0.613	14.16
10) 2-Methylnaphthalene	1.415	1.403	1.367	1.383	1.352	1.428	1.451	1.312	1.676	1.421	7.35
11) 1-Methylnaphthalene	1.326	1.314	1.310	1.328	1.355	1.393	1.458	1.269	1.656	1.379	8.52
12) I Fluorene-d10	ISTD										
13) 2-Fluorobiphenyl	0.999	1.047	1.096	1.087	1.103	1.123	1.171	1.076	1.372	1.119	9.48
14) Acenaphthylene	1.639	1.603	1.605	1.575	1.577	1.525	1.706	1.529	1.959	1.635	8.15
15) Acenaphthene	1.147	1.141	1.136	1.120	1.136	1.130	1.214	1.100		1.140	2.89
16) 4,6-dinitro-2-methylphenol	0.241	0.218	0.189	0.163	0.130	0.126	0.098			0.167	31.27
---- Quadratic regression ---- Coefficient = 0.9991											
Response Ratio = -0.00727 + 0.18217 *A + 0.00984 *A^2											
17) Fluorene	1.317	1.311	1.282	1.301	1.271	1.307	1.362	1.259	1.706	1.346	10.26
18) 2,4,6-Tribromophenol	0.222	0.212	0.218	0.210	0.193	0.188	0.192	0.176	0.230	0.204	8.85
19) I Fluoranthene-d10	ISTD										
20) Hexachlorobenzene	0.256	0.246	0.266	0.246	0.245	0.252	0.270	0.227	0.341	0.261	12.42
21) Pentachlorophenol	0.172	0.160	0.166	0.149	0.130	0.131	0.119	0.122	0.167	0.146	14.25

Initial Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4410-ICC4410
Lab FileID: 3P93511.D

```
22)  Phenanthrene
          1.021 1.031 1.070 1.013 1.031 1.007 1.119 1.003 1.383   1.075   11.25
23)  Anthracene
          1.024 1.036 1.064 1.007 1.009 0.971 1.024 0.830 1.056   1.002    7.01
24)  Fluoranthene
          1.221 1.202 1.236 1.225 1.231 1.271 1.417 1.425         1.278    7.05
25)  Pyrene
          1.293 1.260 1.259 1.227 1.200 1.242 1.330 1.248 1.637   1.300   10.14
26)  Terphenyl-d14
          0.603 0.625 0.690 0.708 0.718 0.733 0.757 0.670 0.893   0.711   11.86
27)  Benzo[a]anthracene
          1.174 1.077 1.096 1.001 0.940 0.932 0.920 0.815 1.156   1.012   11.94
28)  Chrysene
          1.139 1.139 1.116 1.146 1.107 1.243 1.124 0.970 1.256   1.138    7.27

29) I   Benzo(a)pyrene-d12    ----------------ISTD--------------------
30)  Benzo[b]fluoranthene
          1.717 1.556 1.510 1.461 1.297 1.286 1.459 1.286 1.722   1.477   11.49
31)  Benzo[k]fluoranthene
          1.492 1.555 1.586 1.512 1.523 1.436 1.528 1.181 1.722   1.504    9.61
32)  Benzo[a]pyrene
          1.488 1.493 1.466 1.460 1.496 1.591 1.490 1.353 1.637   1.497    5.38
33)  Indeno[1,2,3-cd]pyrene
          1.680 1.704 1.633 1.577 1.546 1.508 1.547 1.436 2.060   1.632   11.09
34)  Dibenz[a,h]anthracene
          1.347 1.398 1.350 1.337 1.266 1.333 1.285 1.186 1.658   1.351    9.65
35)  Benzo[g,h,i]perylene
          1.419 1.477 1.439 1.468 1.452 1.429 1.474 1.519         1.460    2.19
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3P4410SIMLVI.M        Mon Jun 28 15:37:57 2021
```

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4411-ICV4410
Lab FileID: 3P93543.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E3P4411\3p93543.D Vial: 2
Acq On : 28 Jun 2021 12:48 pm Operator: kristis
Sample : icv4410-0.2 Inst : MSGC3P
Misc : op33672,e3p4411,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\MET...\M3P4410SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 28 13:21:59 2021
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	1-Methylnaphthalene-d10	1.000	1.000	0.0	89	0.00	6.26
2	t	1,4-dioxane	0.298	0.264	11.4	75	0.00	1.38
5		Phenol	0.880	0.775	11.9	71	0.00	4.01
8	t	Naphthalene	2.471	1.940	21.5	72	0.00	5.52
9	t	Hexachlorobutadiene	0.613	0.524	14.5	78	0.00	5.68
10	t	2-Methylnaphthalene	1.421	1.100	22.6	72	0.00	6.20
11	t	1-Methylnaphthalene	1.379	1.046	24.1	71	0.00	6.30
12	I	Fluorene-d10	1.000	1.000	0.0	90	0.00	7.70
14	t	Acenaphthylene	1.635	1.204	26.4	67	0.00	7.06
15	t	Acenaphthene	1.140	0.856	24.9	67	0.00	7.23
		----------	True	Calc.	% Drift	----------		
16	t	4,6-dinitro-2-methylpheno	1000.000	923.235	7.7	82	0.00	7.81
		----------	AvgRF	CCRF	% Dev	----------		
17	t	Fluorene	1.346	1.042	22.6	73	0.00	7.73
19	I	Fluoranthene-d10	1.000	1.000	0.0	96	0.00	9.78
20	t	Hexachlorobenzene	0.261	0.225	13.8	82	0.00	8.26
21	t	Pentachlorophenol	0.146	0.160	-9.6	93	0.00	8.47
22	t	Phenanthrene	1.075	0.798	25.8	72	0.00	8.65
23	t	Anthracene	1.002	0.793	20.9	72	0.00	8.70
24	t	Fluoranthene	1.278	0.925	27.6	72	0.00	9.80
25	t	Pyrene	1.300	0.956	26.5	73	0.00	10.01
27	t	Benzo[a]anthracene	1.012	0.885	12.5	78	0.00	11.18
28	t	Chrysene	1.138	0.903	20.7	78	0.00	11.21
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	102	0.00	12.40
30	t	Benzo[b]fluoranthene	1.477	1.339	9.3	90	0.00	12.16
31	t	Benzo[k]fluoranthene	1.504	1.111	26.1	71	0.00	12.18
32	t	Benzo[a]pyrene	1.497	1.147	23.4	80	0.00	12.42
33	t	Indeno[1,2,3-cd]pyrene	1.632	1.164	28.7	73	0.00	13.29
34	t	Dibenz[a,h]anthracene	1.351	1.003	25.8	76	0.00	13.31
35	t	Benzo[g,h,i]perylene	1.460	1.047	28.3	74	0.00	13.49

Initial Calibration Verification

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4411-ICV4410
Lab FileID: 3P93543.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 3p93511.D  M3P4410SIMLVI.M        Mon Jun 28 15:50:20 2021
```

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4427-CC4410
Lab FileID: 3P93845.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jeryllr\e3p4427\3p93845.d Vial: 2
Acq On : 12 Jul 2021 9:20 pm Operator: chriss2
Sample : cc4410-0.2 Inst : MSGC3P
Misc : op34187a,e3p4427,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\MET...\M3P4410SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jul 12 04:23:43 2021
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	125	-0.03	6.08
2	t	1,4-dioxane	0.298	0.300	-0.7	120	-0.05	1.21
3	S	2-Fluorophenol	0.607	0.640	-5.4	118	-0.08	2.82
4	S	Phenol-d5	0.824	0.886	-7.5	119	-0.05	3.83
5		Phenol	0.880	0.933	-6.0	120	-0.05	3.84
6	t	bis(2-Chloroethyl)ether		----------NA----------				
7	S	Nitrobenzene-d5	0.814	0.825	-1.4	125	-0.04	4.64
8	t	Naphthalene	2.471	2.383	3.6	123	-0.04	5.34
9	t	Hexachlorobutadiene	0.613	0.587	4.2	123	-0.03	5.50
10	t	2-Methylnaphthalene	1.421	1.395	1.8	127	-0.03	6.02
11	t	1-Methylnaphthalene	1.379	1.330	3.6	127	-0.03	6.11
12	I	Fluorene-d10	1.000	1.000	0.0	128	-0.02	7.51
13	S	2-Fluorobiphenyl	1.119	1.081	3.4	126	-0.03	6.40
14	t	Acenaphthylene	1.635	1.580	3.4	126	-0.03	6.88
15	t	Acenaphthene	1.140	1.121	1.7	127	-0.03	7.04
		----------	True	Calc.	% Drift		----------	
16	t	4,6-dinitro-2-methylpheno	1000.000	896.920	10.3	114	-0.02	7.64
		----------	AvgRF	CCRF	% Dev		----------	
17	t	Fluorene	1.346	1.273	5.4	127	-0.02	7.54
18	S	2,4,6-Tribromophenol	0.204	0.221	-8.3	130	-0.02	7.78
19	I	Fluoranthene-d10	1.000	1.000	0.0	128	-0.02	9.58
20	t	Hexachlorobenzene	0.261	0.268	-2.7	130	-0.03	8.07
21	t	Pentachlorophenol	0.146	0.142	2.7	110	-0.03	8.28
22	t	Phenanthrene	1.075	1.067	0.7	128	-0.03	8.45
23	t	Anthracene	1.002	1.059	-5.7	128	-0.03	8.50
24	t	Fluoranthene	1.278	1.202	5.9	125	-0.02	9.60
25	t	Pyrene	1.300	1.260	3.1	129	-0.02	9.80
26	S	Terphenyl-d14	0.711	0.652	8.3	121	-0.02	10.01
27	t	Benzo[a]anthracene	1.012	0.995	1.7	117	-0.02	10.97
28	t	Chrysene	1.138	1.038	8.8	120	-0.02	11.00
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	113	-0.03	12.19
30	t	Benzo[b]fluoranthene	1.477	1.613	-9.2	121	-0.03	11.95
31	t	Benzo[k]fluoranthene	1.504	1.521	-1.1	108	-0.03	11.97
32	t	Benzo[a]pyrene	1.497	1.477	1.3	114	-0.03	12.21
33	t	Indeno[1,2,3-cd]pyrene	1.632	1.521	6.8	105	-0.03	13.06
34	t	Dibenz[a,h]anthracene	1.351	1.271	5.9	106	-0.03	13.08
35	t	Benzo[g,h,i]perylene	1.460	1.336	8.5	105	-0.03	13.25

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4427-CC4410
Lab FileID: 3P93845.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p93682.d M3P4410SIMLVI.M Tue Jul 13 02:03:20 2021

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4427-ECC4410
Lab FileID: 3P93873.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\jeryllr\e3p4427\3p93873.d Vial: 2
Acq On : 13 Jul 2021 7:00 am Operator: chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\MET...\M3P4410SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Jul 13 07:37:37 2021
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	121	0.00	6.08
2	t	1,4-dioxane	0.298	0.293	1.7	114	0.00	1.21
3	S	2-Fluorophenol	0.607	0.664	-9.4	119	0.00	2.83
4	S	Phenol-d5	0.824	0.953	-15.7	124	0.00	3.84
5		Phenol	0.880	0.979	-11.2	123	0.00	3.86
6	t	bis(2-Chloroethyl)ether	----------	NA	----------			
7	S	Nitrobenzene-d5	0.814	0.853	-4.8	126	0.00	4.65
8	t	Naphthalene	2.471	2.450	0.8	124	0.00	5.35
9	t	Hexachlorobutadiene	0.613	0.627	-2.3	128	0.00	5.50
10	t	2-Methylnaphthalene	1.421	1.425	-0.3	127	0.00	6.02
11	t	1-Methylnaphthalene	1.379	1.375	0.3	128	0.00	6.11
12	I	Fluorene-d10	1.000	1.000	0.0	109	-0.02	7.52
13	S	2-Fluorobiphenyl	1.119	1.157	-3.4	116	-0.01	6.40
14	t	Acenaphthylene	1.635	1.820	-11.3	124	-0.01	6.88
15	t	Acenaphthene	1.140	1.217	-6.8	117	-0.02	7.05
		----------	True	Calc.	% Drift	----------		
16	t	4,6-dinitro-2-methylpheno	1000.000	198.235	80.2#	18	0.00	7.65
		----------	AvgRF	CCRF	% Dev	----------		
17	t	Fluorene	1.346	1.322	1.8	113	-0.02	7.54
18	S	2,4,6-Tribromophenol	0.204	0.215	-5.4	108	-0.02	7.78
19	I	Fluoranthene-d10	1.000	1.000	0.0	84	-0.01	9.59
20	t	Hexachlorobenzene	0.261	0.312	-19.5	99	0.00	8.08
21	t	Pentachlorophenol	0.146	0.192	-31.5	98	0.00	8.29
22	t	Phenanthrene	1.075	1.294	-20.4	102	0.00	8.46
23	t	Anthracene	1.002	1.291	-28.8	103	0.00	8.51
24	t	Fluoranthene	1.278	1.208	5.5	83	-0.01	9.60
25	t	Pyrene	1.300	1.247	4.1	84	-0.01	9.81
26	S	Terphenyl-d14	0.711	0.669	5.9	82	-0.01	10.02
27	t	Benzo[a]anthracene	1.012	1.189	-17.5	92	0.00	10.98
28	t	Chrysene	1.138	1.132	0.5	86	0.00	11.01
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	118	0.00	12.20
30	t	Benzo[b]fluoranthene	1.477	1.587	-7.4	124	0.00	11.95
31	t	Benzo[k]fluoranthene	1.504	1.340	10.9	100	0.00	11.97
32	t	Benzo[a]pyrene	1.497	1.468	1.9	118	0.00	12.22
33	t	Indeno[1,2,3-cd]pyrene	1.632	1.829	-12.1	132	0.00	13.07
34	t	Dibenz[a,h]anthracene	1.351	1.451	-7.4	127	0.00	13.09
35	t	Benzo[g,h,i]perylene	1.460	1.510	-3.4	124	0.00	13.26

Continuing Calibration Summary

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: E3P4427-ECC4410
Lab FileID: 3P93873.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p93845.d M3P4410SIMLVI.M Tue Jul 13 07:52:29 2021

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: E3P4410 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMS3P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E3P4410-DFTPP	3P93510.D	06/27/21 12:50	n/a	DFTPP Tune
E3P4410-ICC4410	3P93511.D	06/27/21 13:54	n/a	Initial cal 0.2
E3P4410-IC4410	3P93512.D	06/27/21 14:13	n/a	Initial cal 1
E3P4410-IC4410	3P93513.D	06/27/21 14:31	n/a	Initial cal .002
E3P4410-IC4410	3P93514.D	06/27/21 14:50	n/a	Initial cal .5
E3P4410-IC4410	3P93515.D	06/27/21 15:08	n/a	Initial cal .004
E3P4410-IC4410	3P93516.D	06/27/21 15:27	n/a	Initial cal .1
E3P4410-IC4410	3P93517.D	06/27/21 15:46	n/a	Initial cal .01
E3P4410-IC4410	3P93518.D	06/27/21 16:04	n/a	Initial cal .04
E3P4410-IC4410	3P93519.D	06/27/21 16:23	n/a	Initial cal .02

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: E3P4411 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMS3P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E3P4411-DFTPP	3P93542.D	06/28/21 12:36	n/a	DFTPP Tune
E3P4411-ICV4410	3P93543.D	06/28/21 12:48	n/a	Initial cal verification 0.2
E3P4411-CC4410	3P93544.D	06/28/21 13:29	n/a	Continuing cal 0.2
OP33954A-MB1	3P93545.D	06/28/21 13:50	OP33954A	Method Blank
ZZZZZZ	3P93546.D	06/28/21 14:10	OP33954A	(unrelated sample)
OP33954A-BS12	3P93547.D	06/28/21 14:30	OP33954A	Blank Spike
OP33954A-BSD12	3P93548.D	06/28/21 14:49	OP33954A	Blank Spike Duplicate
ZZZZZZ	3P93549.D	06/28/21 15:07	OP33797A	(unrelated sample)
ZZZZZZ	3P93550.D	06/28/21 15:26	OP33745A	(unrelated sample)
ZZZZZZ	3P93551.D	06/28/21 15:45	OP33954A	(unrelated sample)
ZZZZZZ	3P93552.D	06/28/21 16:04	OP33954A	(unrelated sample)
ZZZZZZ	3P93553.D	06/28/21 16:22	OP33954A	(unrelated sample)
ZZZZZZ	3P93554.D	06/28/21 16:41	OP33954A	(unrelated sample)
ZZZZZZ	3P93555.D	06/28/21 17:00	OP33954A	(unrelated sample)
ZZZZZZ	3P93556.D	06/28/21 17:18	OP33954A	(unrelated sample)
ZZZZZZ	3P93557.D	06/28/21 17:43	OP33954A	(unrelated sample)
ZZZZZZ	3P93558.D	06/28/21 18:02	OP33954A	(unrelated sample)
ZZZZZZ	3P93559.D	06/28/21 18:21	OP33954A	(unrelated sample)
ZZZZZZ	3P93560.D	06/28/21 18:39	OP33954A	(unrelated sample)
ZZZZZZ	3P93561.D	06/28/21 18:58	OP33954A	(unrelated sample)
ZZZZZZ	3P93562.D	06/28/21 19:17	OP33954A	(unrelated sample)
ZZZZZZ	3P93563.D	06/28/21 19:35	OP33954A	(unrelated sample)
ZZZZZZ	3P93564.D	06/28/21 19:54	OP33954A	(unrelated sample)

Run Sequence Report

Job Number: JD27982
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: E3P4427 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMS3P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E3P4427-DFTPP	3P93844.D	07/12/21 21:09	n/a	DFTPP Tune
E3P4427-CC4410	3P93845.D	07/12/21 21:20	n/a	Continuing cal 0.2
OP34258A-MB1	3P93846.D	07/12/21 22:00	OP34258A	Method Blank
OP34187A-MB1	3P93847.D	07/12/21 22:18	OP34187A	Method Blank
ZZZZZZ	3P93848.D	07/12/21 23:19	OP34258A	(unrelated sample)
ZZZZZZ	3P93849.D	07/12/21 23:37	OP34258A	(unrelated sample)
OP34187A-BS12	3P93851.D	07/13/21 00:14	OP34187A	Blank Spike
OP34187A-BSD12	3P93852.D	07/13/21 00:32	OP34187A	Blank Spike Duplicate
OP34258A-BS12	3P93853.D	07/13/21 00:51	OP34258A	Blank Spike
OP34258A-MSA	3P93854.D	07/13/21 01:09	OP34258A	Matrix Spike
OP34258A-MSDA	3P93855.D	07/13/21 01:28	OP34258A	Matrix Spike Duplicate
JD27891-2	3P93856.D	07/13/21 01:46	OP34258A	(used for QC only; not part of job JD27982)
OP34258A-MS2A	3P93857.D	07/13/21 02:05	OP34258A	Matrix Spike
OP34258A-MSD2A	3P93858.D	07/13/21 02:24	OP34258A	Matrix Spike Duplicate
JD27982-1	3P93859.D	07/13/21 02:42	OP34258A	MW-06D
ZZZZZZ	3P93860.D	07/13/21 03:00	OP34258A	(unrelated sample)
ZZZZZZ	3P93861.D	07/13/21 03:19	OP34258A	(unrelated sample)
ZZZZZZ	3P93862.D	07/13/21 03:37	OP34258A	(unrelated sample)
JD27982-2	3P93863.D	07/13/21 03:56	OP34258A	MW-06S
JD27982-3	3P93864.D	07/13/21 04:14	OP34258A	MW-04
JD27982-4	3P93865.D	07/13/21 04:33	OP34258A	DUP 070821
JD27982-5	3P93866.D	07/13/21 04:51	OP34258A	MW-03
JD27982-6	3P93867.D	07/13/21 05:10	OP34258A	MW-02
JD27982-7	3P93868.D	07/13/21 05:28	OP34258A	MW-05
JD27982-8	3P93869.D	07/13/21 05:47	OP34258A	MW-01
JD27982-9	3P93870.D	07/13/21 06:05	OP34258A	FB 070821
ZZZZZZ	3P93872.D	07/13/21 06:42	OP34187A	(unrelated sample)
E3P4427-ECC4410	3P93873.D	07/13/21 07:00	n/a	Ending cal 0.2

MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93859.d
Acq On : 13 Jul 2021 2:42 am
Operator : chriss2
Sample : jd27982-1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 04:07:46 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

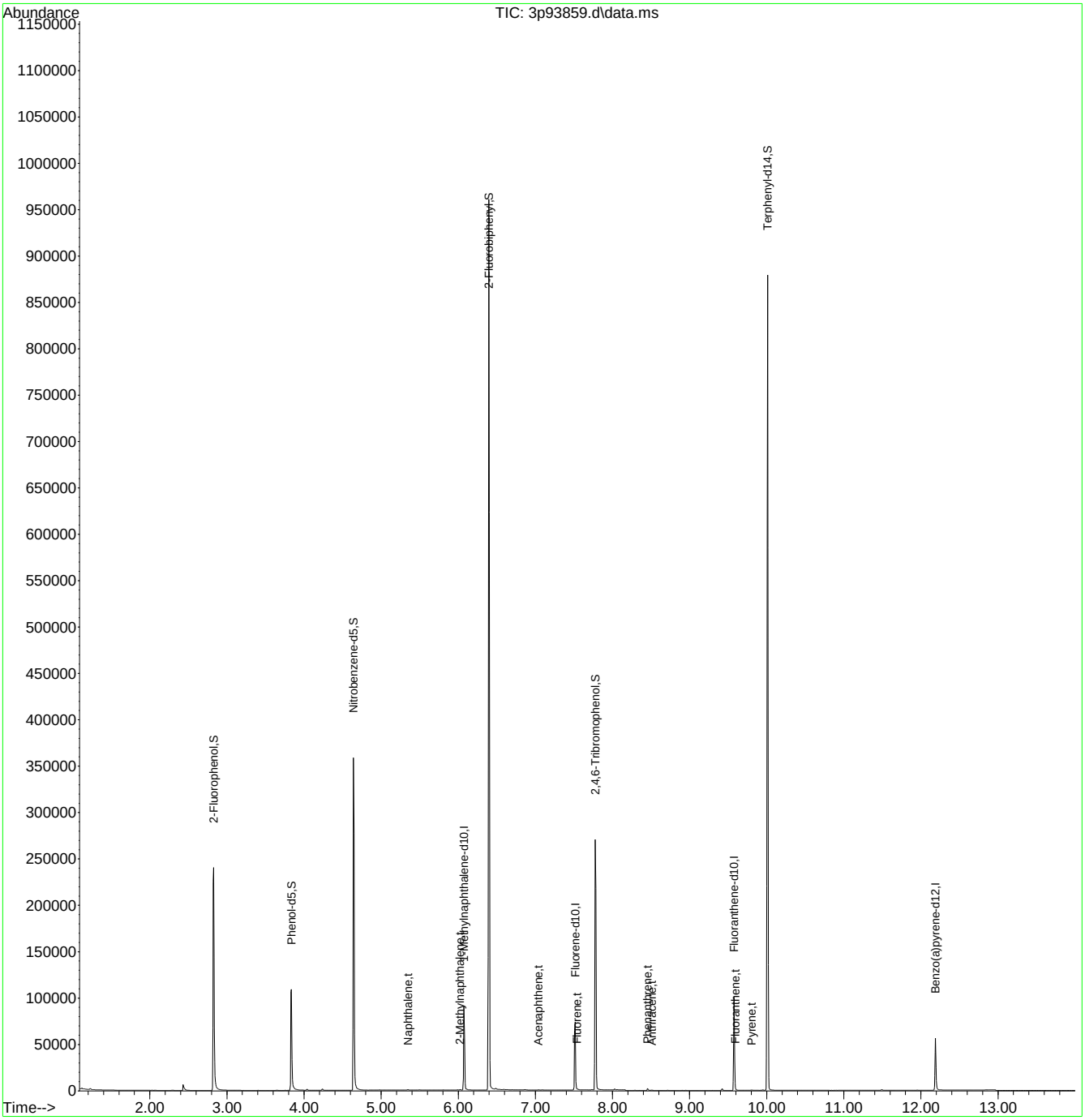
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	25075	800.00	ppb	0.00
12) Fluorene-d10	7.517	176	38858	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	67315	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	35547	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	116272	6108.31	ppb	0.01
Spiked Amount 50.000			Recovery	= 12216.62%		
4) Phenol-d5	3.836	99	108097	4183.24	ppb	0.00
Spiked Amount 50.000			Recovery	= 8366.48%		
7) Nitrobenzene-d5	4.641	82	227028	8901.58	ppb	0.00
Spiked Amount 50.000			Recovery	= 17803.16%		
13) 2-Fluorobiphenyl	6.395	172	467799	8604.51	ppb	0.00
Spiked Amount 50.000			Recovery	= 17209.02%		
18) 2,4,6-Tribromophenol	7.776	330	105537	10625.38	ppb	0.00
Spiked Amount 50.000			Recovery	= 21250.76%		
26) Terphenyl-d14	10.011	244	537584	8987.76	ppb	0.00
Spiked Amount 50.000			Recovery	= 17975.52%		
Target Compounds						Qvalue
8) Naphthalene	5.347	128	455m	5.88	ppb	
10) 2-Methylnaphthalene	6.020	141	225	5.05	ppb	97
15) Acenaphthene	7.039	153	93	1.68	ppb	83
17) Fluorene	7.541	166	306	4.68	ppb	99
22) Phenanthrene	8.455	178	1445	15.97	ppb	99
23) Anthracene	8.510	178	272	3.23	ppb	91
24) Fluoranthene	9.595	202	490m	4.56	ppb	
25) Pyrene	9.803	202	319	2.92	ppb	97

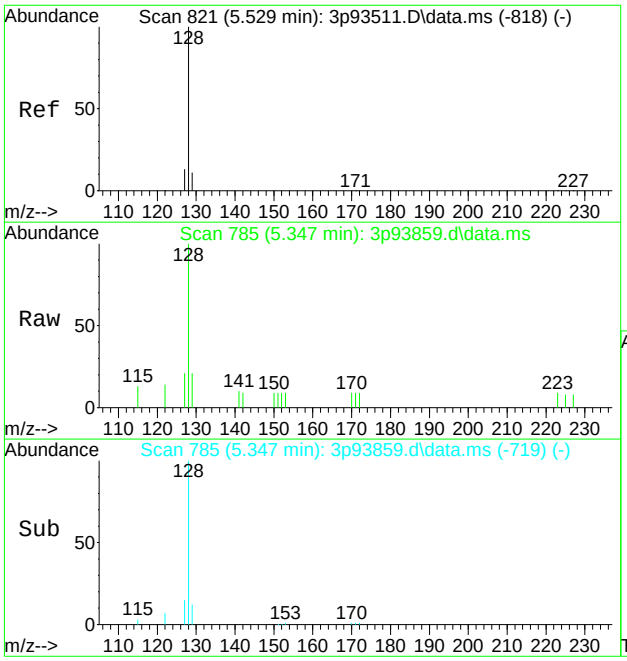
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93859.d
Acq On : 13 Jul 2021 2:42 am
Operator : chriss2
Sample : jd27982-1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 04:07:46 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

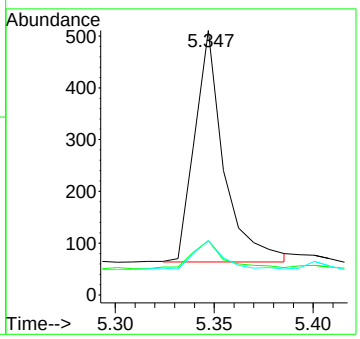


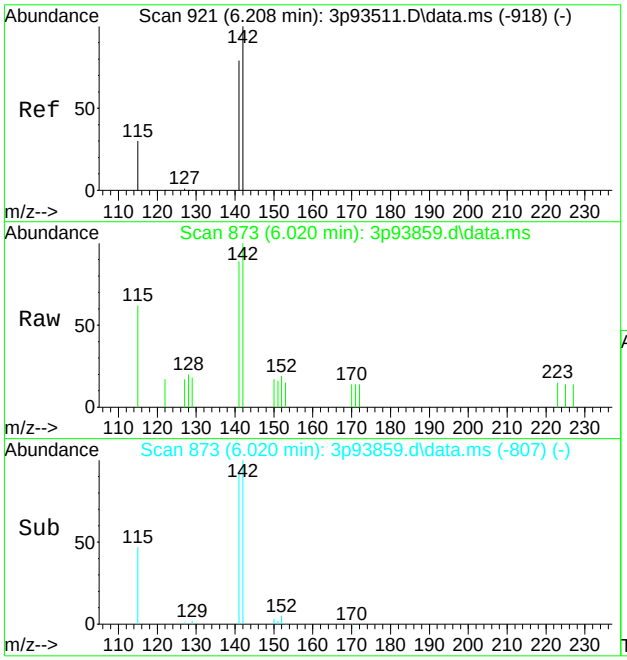


#8
Naphthalene
Concen: 5.88 ppb m
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:128 Resp: 455

Ion	Ratio	Lower	Upper
128	100		
129	20.5	0.0	41.4
127	20.5	0.0	42.2

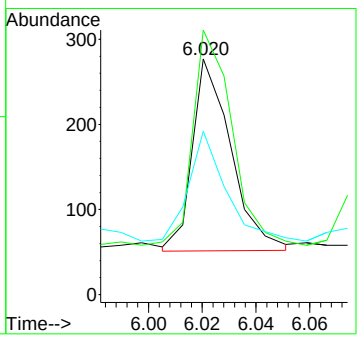


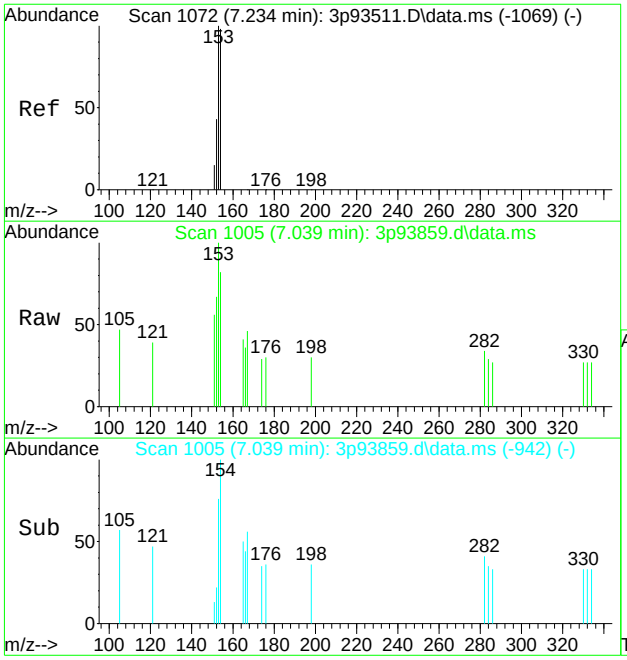


#10
2-Methylnaphthalene
Concen: 5.05 ppb
RT: 6.020 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:141 Resp: 225

Ion	Ratio	Lower	Upper
141	100		
142	113.2	87.0	147.0
115	57.4	29.3	89.3

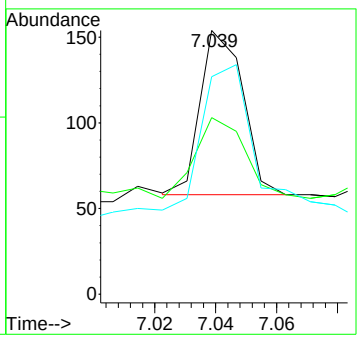


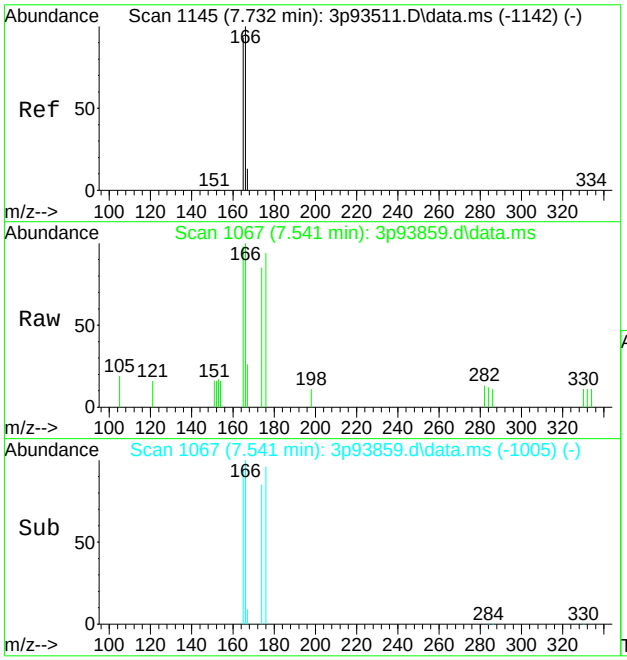


#15
Acenaphthene
Concen: 1.68 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:153 Resp: 93

Ion	Ratio	Lower	Upper
153	100		
152	48.2	13.3	73.3
154	75.4	66.2	126.2

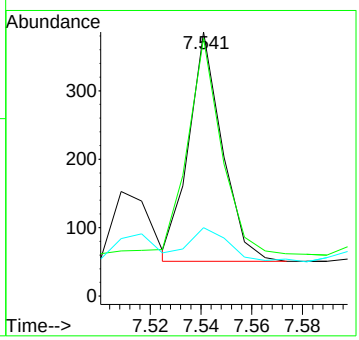


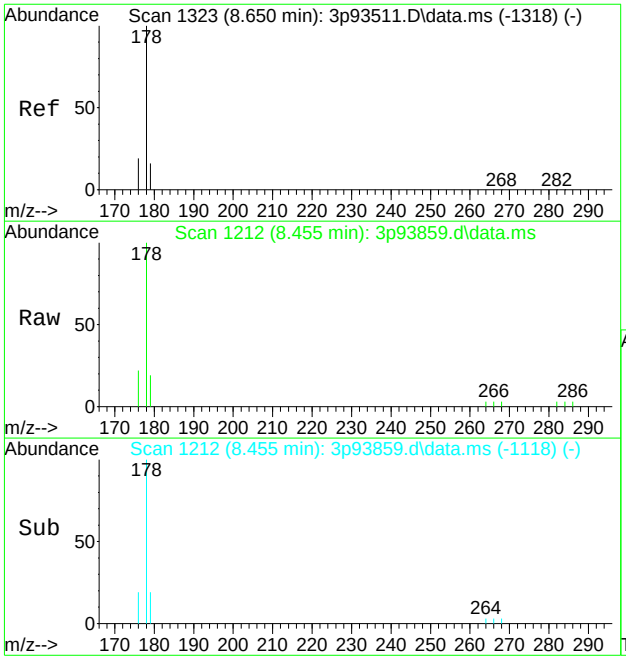


#17
Fluorene
Concen: 4.68 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:166 Resp: 306

Ion	Ratio	Lower	Upper
166	100		
165	95.4	66.9	126.9
167	12.7	0.0	42.8

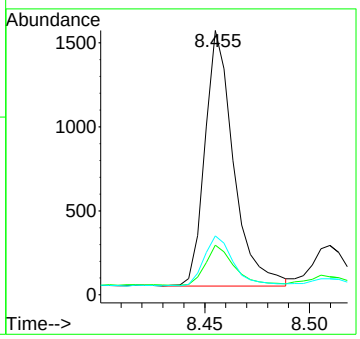


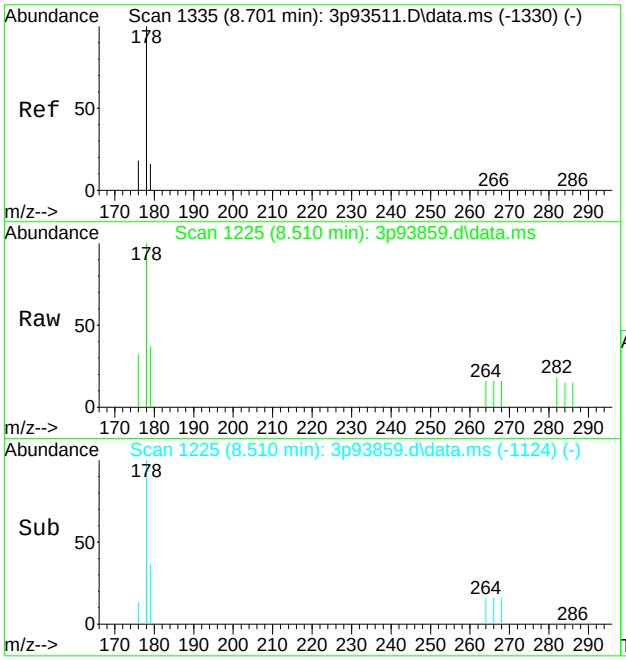


#22
Phenanthrene
Concen: 15.97 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:178 Resp: 1445

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	44.9
176	19.4	0.0	49.8

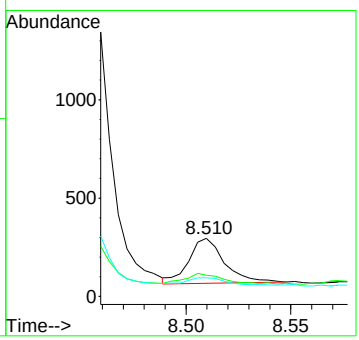


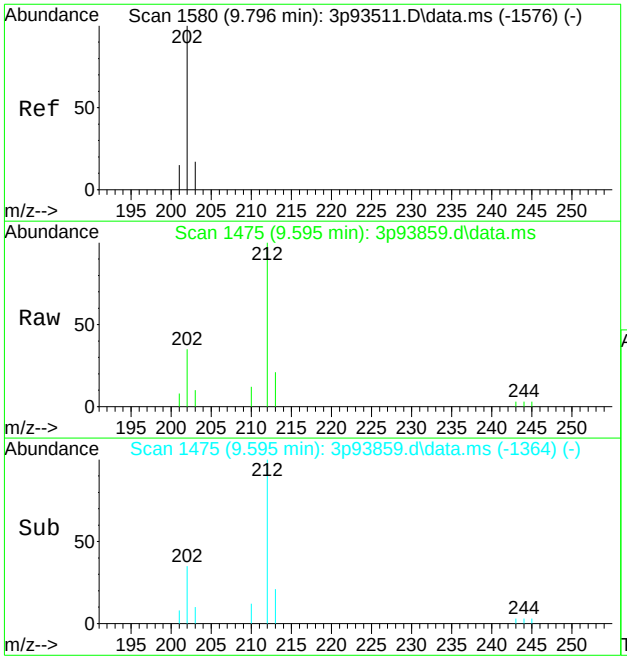


#23
Anthracene
Concen: 3.23 ppb
RT: 8.510 min Scan# 1225
Delta R.T. 0.008 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:178 Resp: 272

Ion	Ratio	Lower	Upper
178	100		
179	19.7	0.0	45.0
176	15.4	0.0	48.7

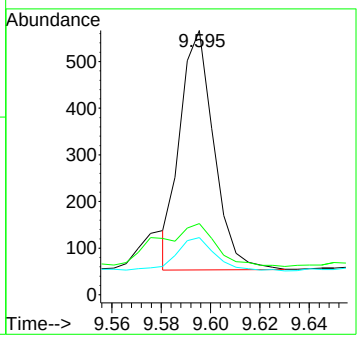


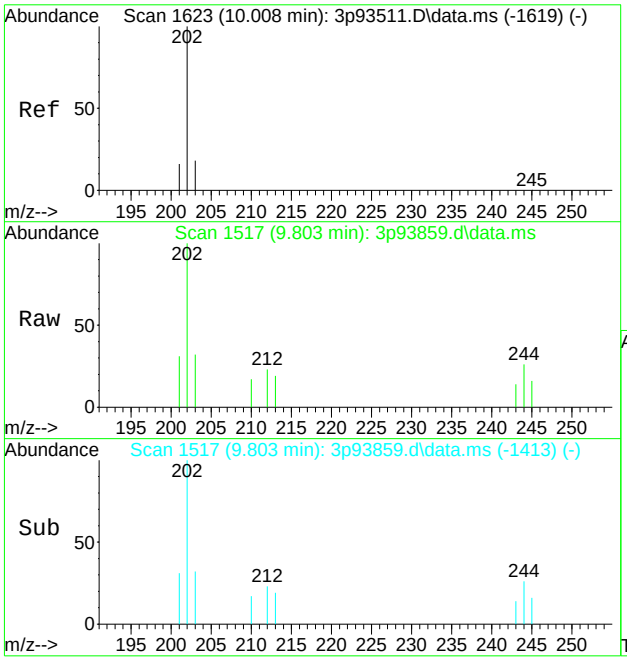


#24
Fluoranthene
Concen: 4.56 ppb m
RT: 9.595 min Scan# 1475
Delta R.T. 0.000 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:202 Resp: 490

Ion	Ratio	Lower	Upper
202	100		
203	27.0	0.0	47.5
201	21.7	0.0	44.2

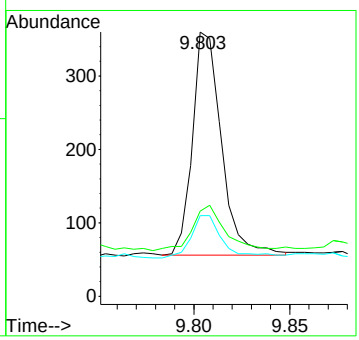




#25
Pyrene
Concen: 2.92 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93859.d
Acq: 13 Jul 2021 2:42 am

Tgt Ion:202 Resp: 319

Ion	Ratio	Lower	Upper
202	100		
203	16.6	0.0	47.3
201	18.5	0.0	46.8



Manual Integration Approval Summary

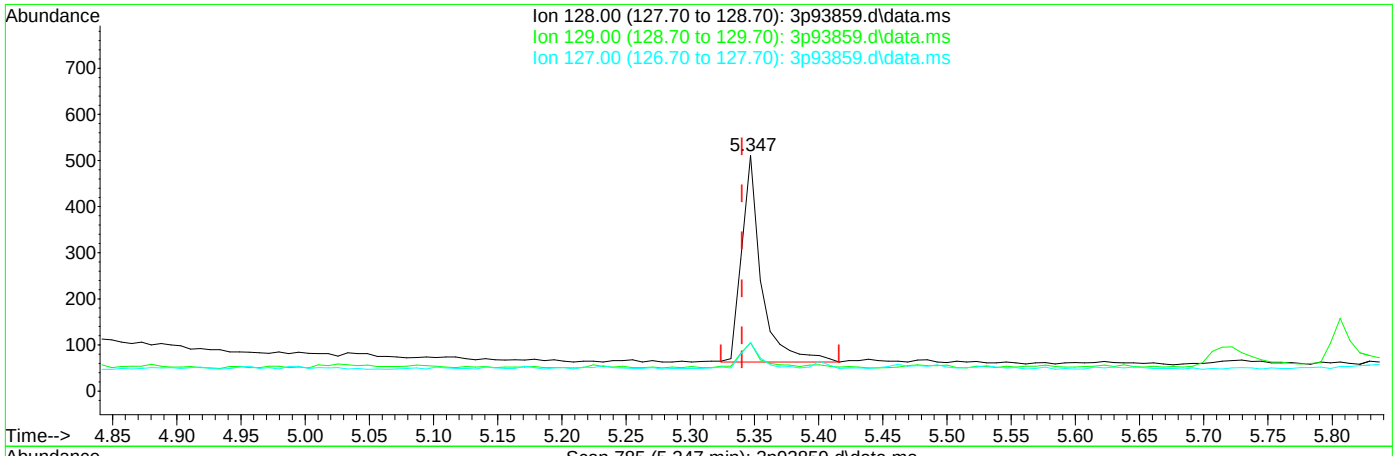
Sample Number: JD27982-1
Lab FileID: 3P93859.D
Injection Time: 07/13/21 02:42
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 04:12 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

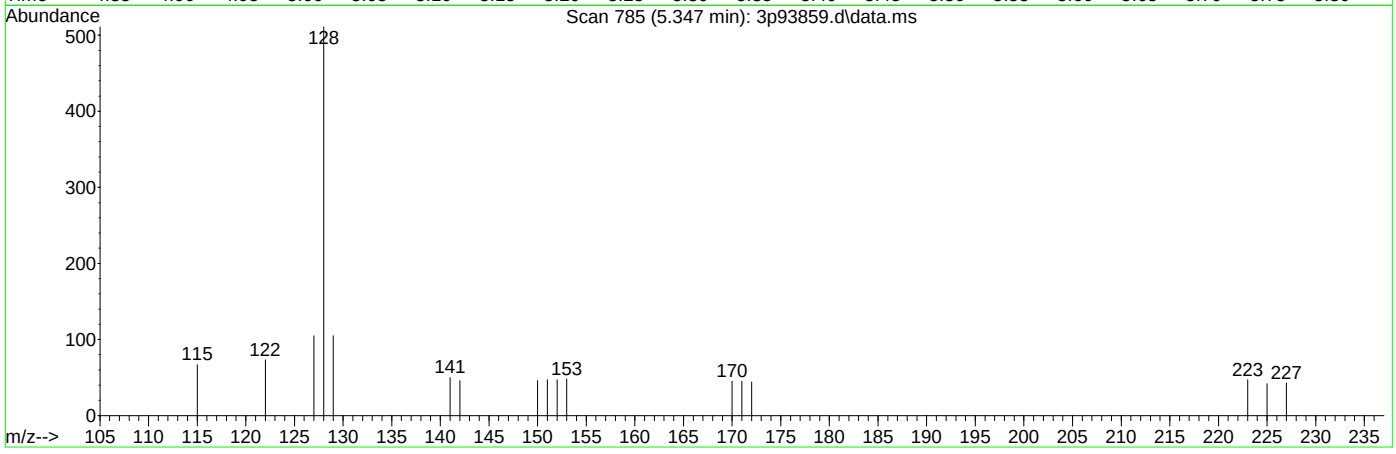
Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		5.35	Poor instrument integration
Fluoranthene	206-44-0		9.60	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93859.d
Acq On : 13 Jul 2021 2:42 am
Operator : chriss2
Sample : jd27982-1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 03:09:44 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration





TIC: 3p93859.d\data.ms

(8) Naphthalene (t)

5.347min (+0.007) 6.15ppb

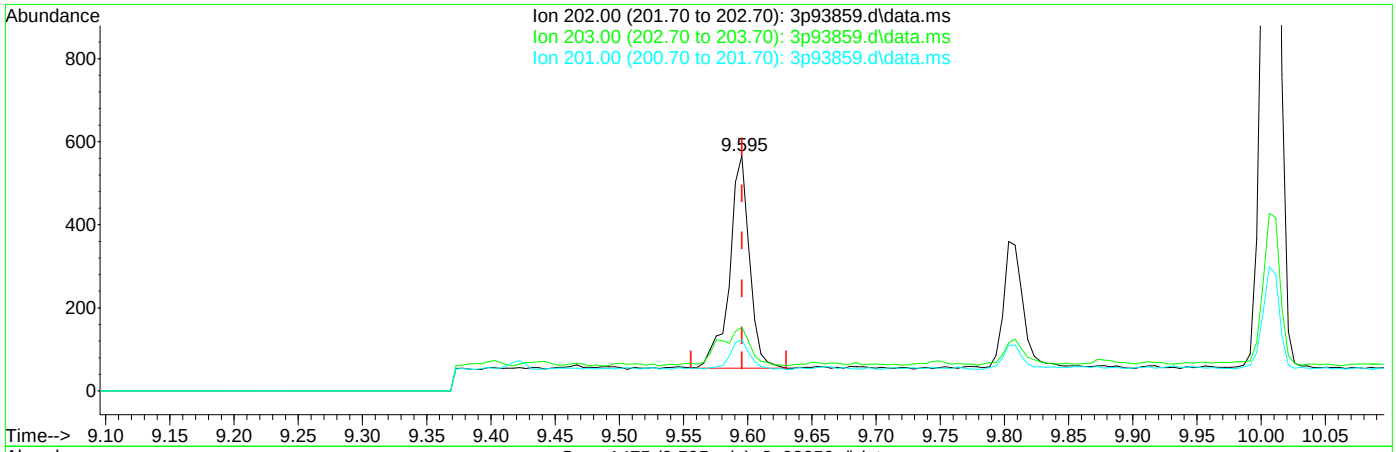
response 476

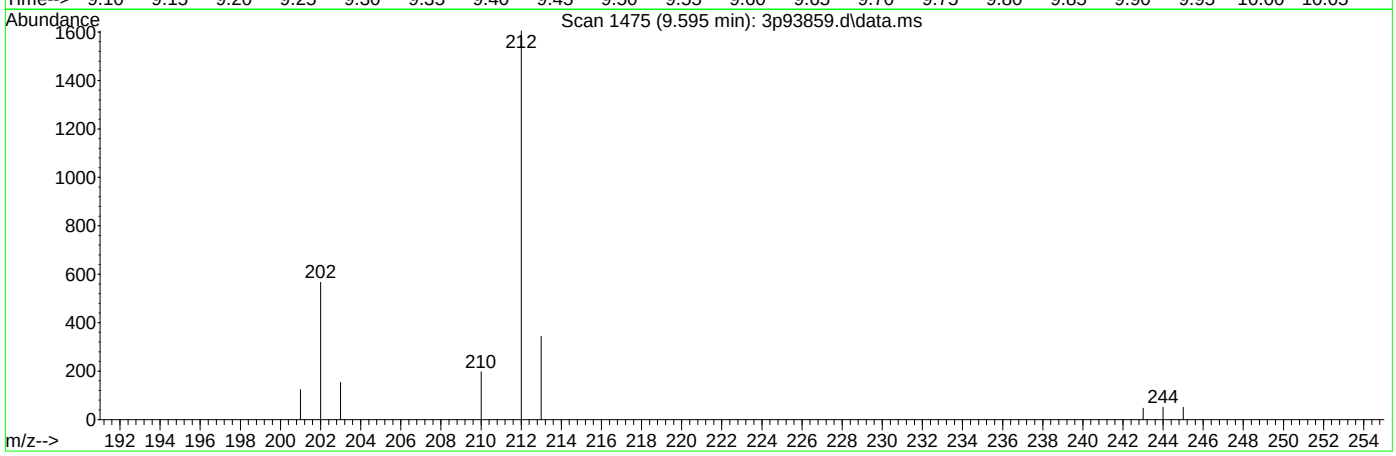
Ion	Exp%	Act%
128.00	100	100
129.00	11.40	11.63
127.00	12.20	12.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93859.d
Acq On : 13 Jul 2021 2:42 am
Operator : chriss2
Sample : jd27982-1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 04:04:51 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration





TIC: 3p93859.d\data.ms

(24) Fluoranthene (t)

9.595min (+0.000) 5.12ppb

response 551

Ion	Exp%	Act%
202.00	100	100
203.00	17.50	17.50
201.00	14.20	13.69
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93863.d
Acq On : 13 Jul 2021 3:56 am
Operator : chriss2
Sample : jd27982-2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:23:52 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

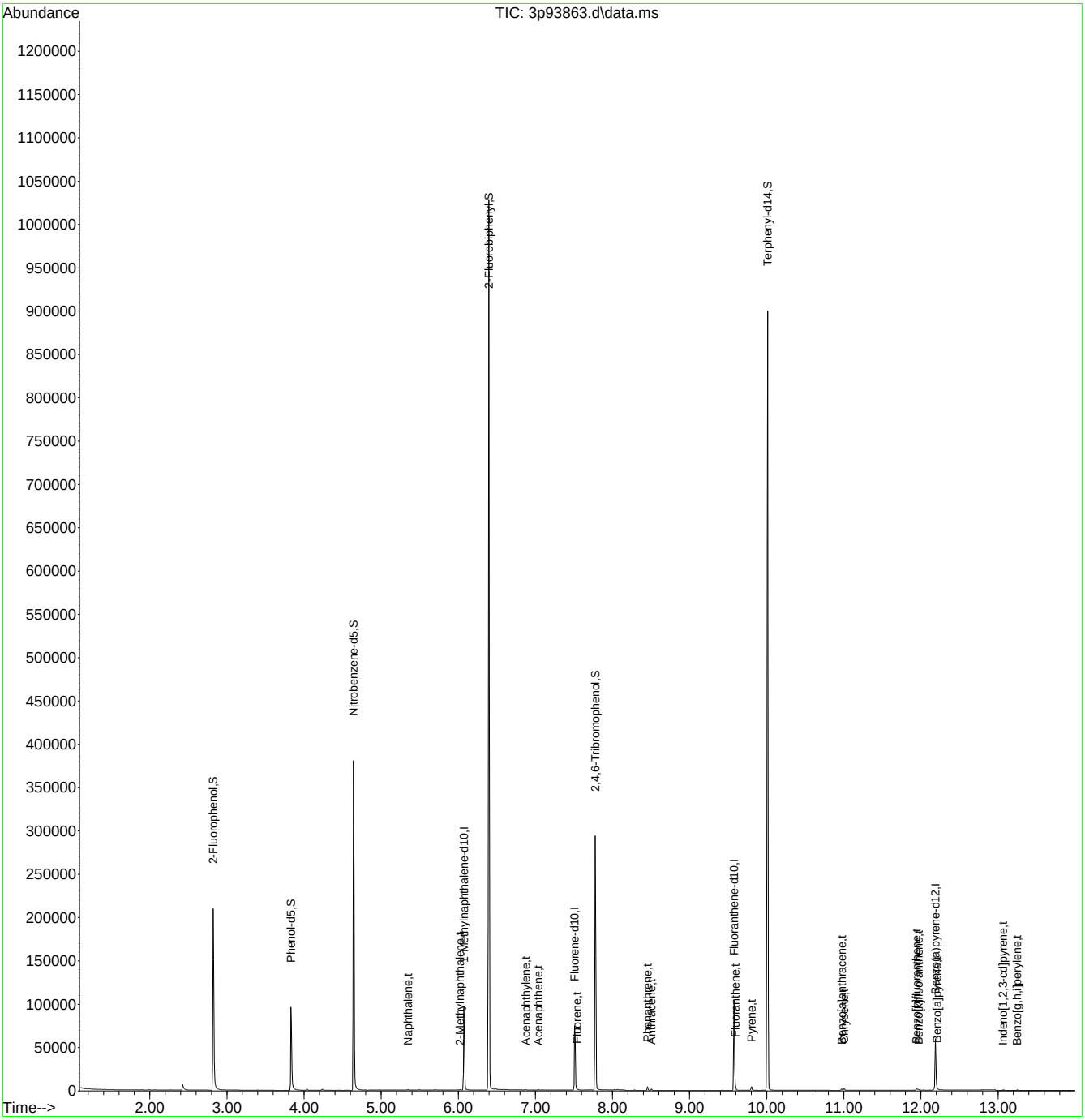
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	24846	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	38050	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	68706	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	38794	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.823	112	96307	5106.08	ppb	0.00
Spiked Amount 50.000			Recovery = 10212.16%			
4) Phenol-d5	3.830	99	87454	3415.57	ppb	0.00
Spiked Amount 50.000			Recovery = 6831.14%			
7) Nitrobenzene-d5	4.641	82	227934	9019.47	ppb	0.00
Spiked Amount 50.000			Recovery = 18038.94%			
13) 2-Fluorobiphenyl	6.395	172	456254	8570.36	ppb	0.00
Spiked Amount 50.000			Recovery = 17140.72%			
18) 2,4,6-Tribromophenol	7.776	330	100824	10366.44	ppb	0.00
Spiked Amount 50.000			Recovery = 20732.88%			
26) Terphenyl-d14	10.011	244	542533	8886.86	ppb	0.00
Spiked Amount 50.000			Recovery = 17773.72%			
Target Compounds						Qvalue
8) Naphthalene	5.347	128	486m	6.33	ppb	
10) 2-Methylnaphthalene	6.021	141	218	4.94	ppb	96
14) Acenaphthylene	6.878	152	275	3.54	ppb	97
15) Acenaphthene	7.039	153	160	2.95	ppb	92
17) Fluorene	7.541	166	492	7.68	ppb	98
22) Phenanthrene	8.455	178	2959	32.04	ppb	98
23) Anthracene	8.506	178	1359	15.79	ppb	98
24) Fluoranthene	9.591	202	3386	30.84	ppb	98
25) Pyrene	9.803	202	2759	24.72	ppb	98
27) Benzo[a]anthracene	10.974	228	1148	13.20	ppb	97
28) Chrysene	11.003	228	1561	15.97	ppb	96
30) Benzo[b]fluoranthene	11.944	252	1448	20.21	ppb	99
31) Benzo[k]fluoranthene	11.969	252	622	8.53	ppb	98
32) Benzo[a]pyrene	12.209	252	729	10.04	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.064	276	517	6.53	ppb	98
35) Benzo[g,h,i]perylene	13.247	276	487	6.88	ppb	96

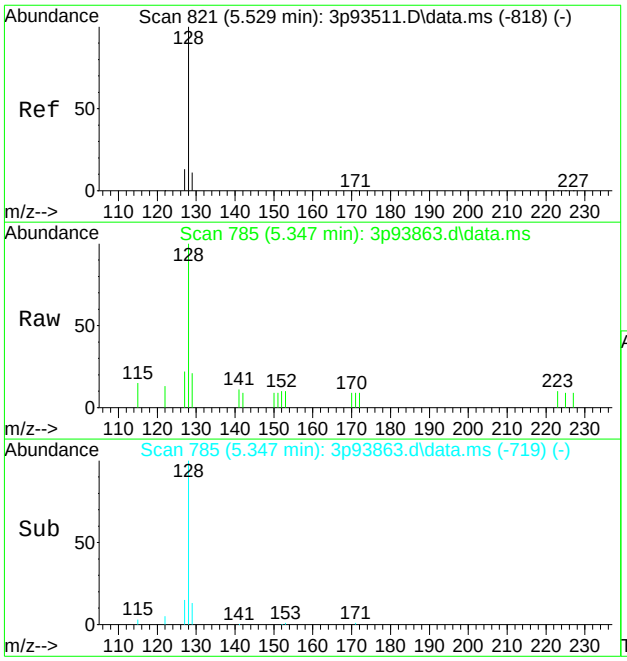
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93863.d
Acq On : 13 Jul 2021 3:56 am
Operator : chriss2
Sample : jd27982-2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:23:52 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

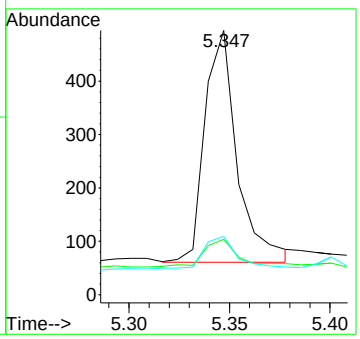


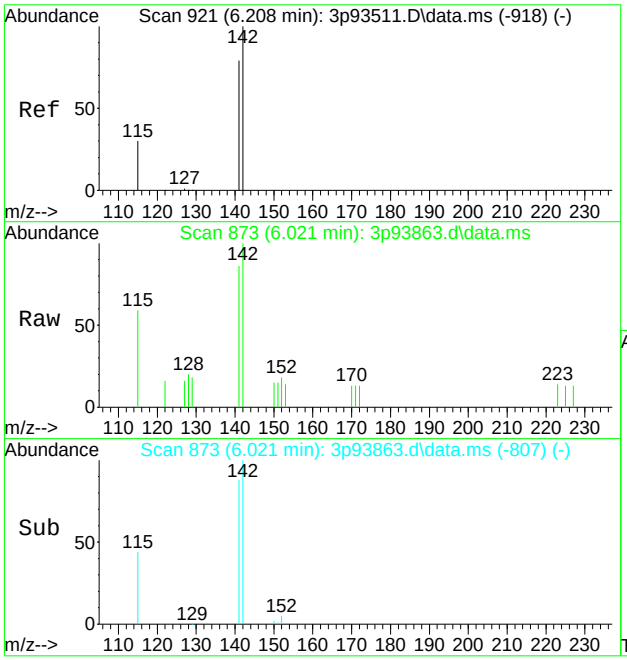


#8
Naphthalene
Concen: 6.33 ppb m
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:128 Resp: 486

Ion	Ratio	Lower	Upper
128	100		
129	21.0	0.0	41.4
127	22.0	0.0	42.2

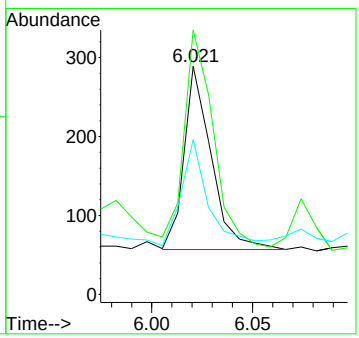


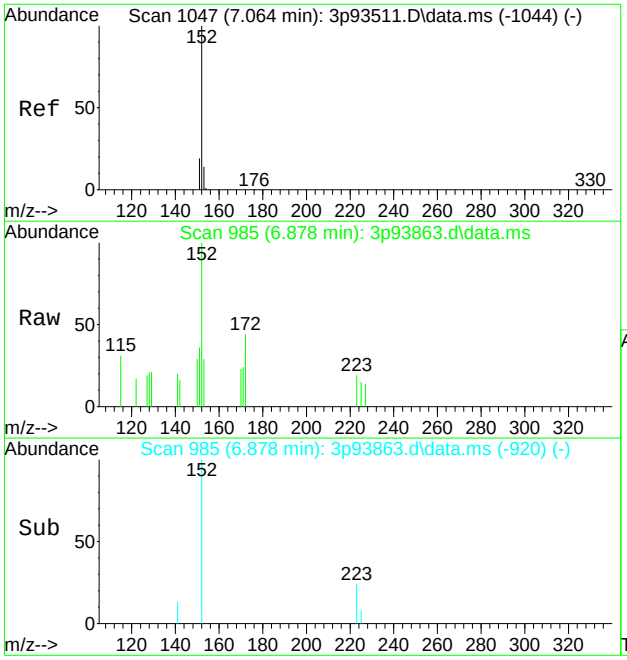


#10
2-Methylnaphthalene
Concen: 4.94 ppb
RT: 6.021 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:141 Resp: 218

Ion	Ratio	Lower	Upper
141	100		
142	113.4	87.0	147.0
115	55.3	29.3	89.3

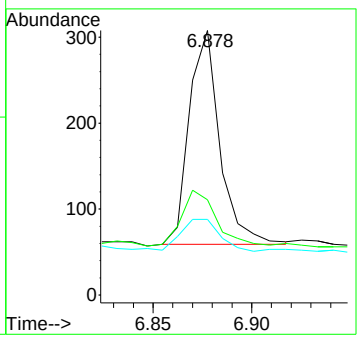


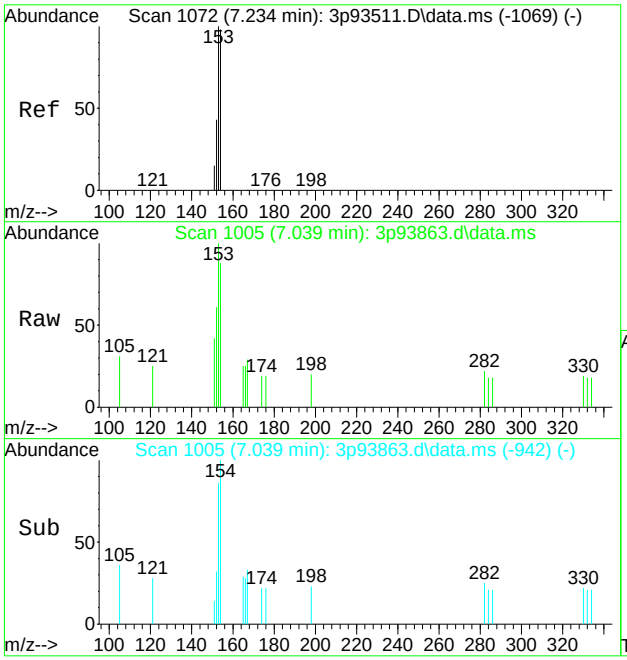


#14
Acenaphthylene
Concen: 3.54 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:152 Resp: 275

Ion	Ratio	Lower	Upper
152	100		
151	20.8	0.0	49.2
153	14.3	0.0	43.9

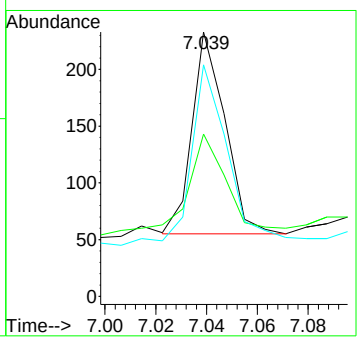


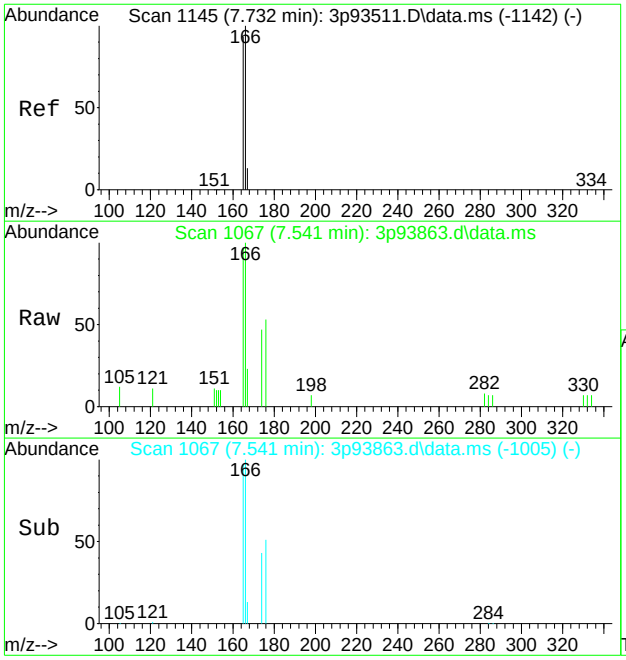


#15
Acenaphthene
Concen: 2.95 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:153 Resp: 160

Ion	Ratio	Lower	Upper
153	100		
152	45.9	13.3	73.3
154	86.5	66.2	126.2

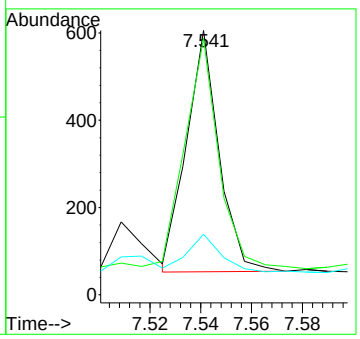


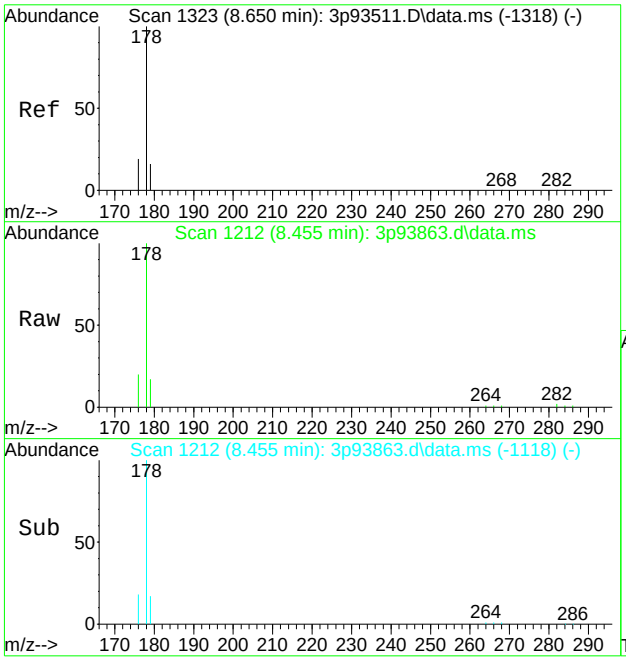


#17
Fluorene
Concen: 7.68 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:166 Resp: 492

Ion	Ratio	Lower	Upper
166	100		
165	95.1	66.9	126.9
167	15.0	0.0	42.8

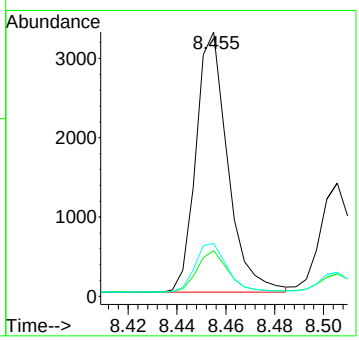


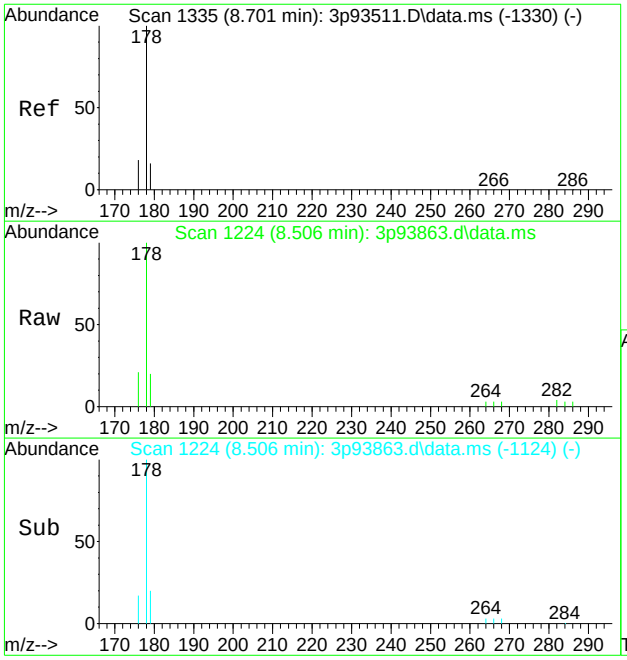


#22
Phenanthrene
Concen: 32.04 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:178 Resp: 2959

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	44.9
176	18.7	0.0	49.8

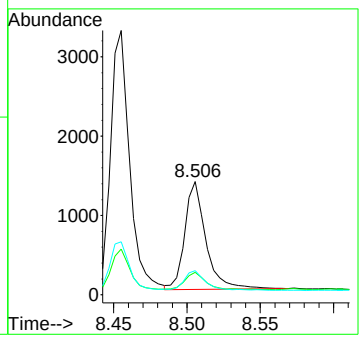


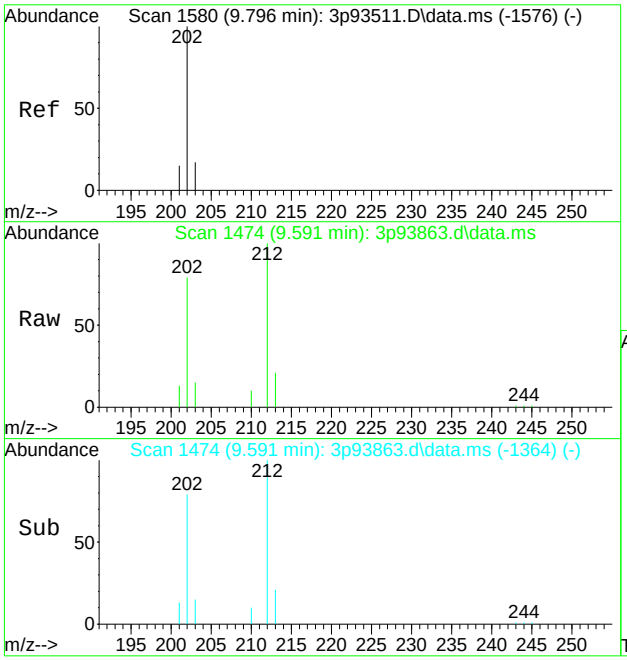


#23
Anthracene
Concen: 15.79 ppb
RT: 8.506 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:178 Resp: 1359

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.0
176	18.1	0.0	48.7

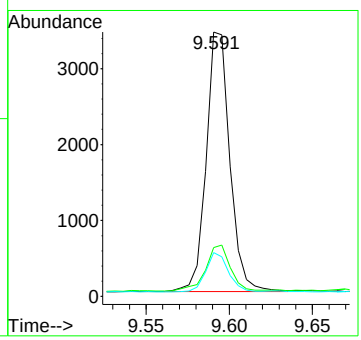


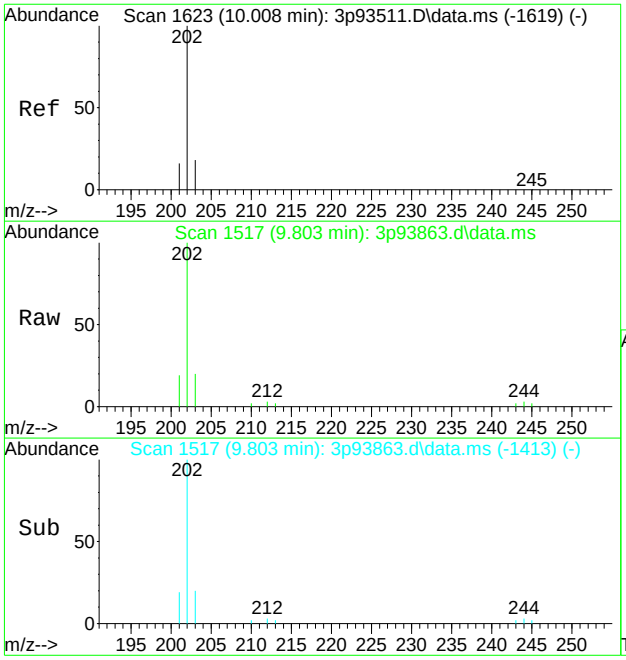


#24
Fluoranthene
Concen: 30.84 ppb
RT: 9.591 min Scan# 1474
Delta R.T. -0.005 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:202 Resp: 3386

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	47.5
201	15.1	0.0	44.2

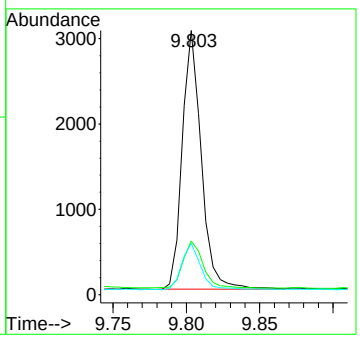


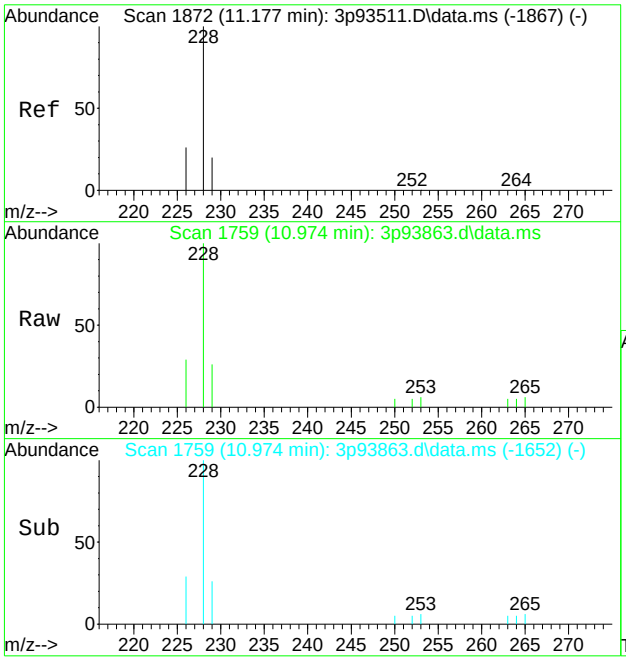


#25
Pyrene
Concen: 24.72 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:202 Resp: 2759

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	47.3
201	17.8	0.0	46.8

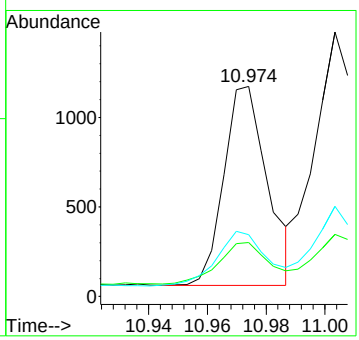


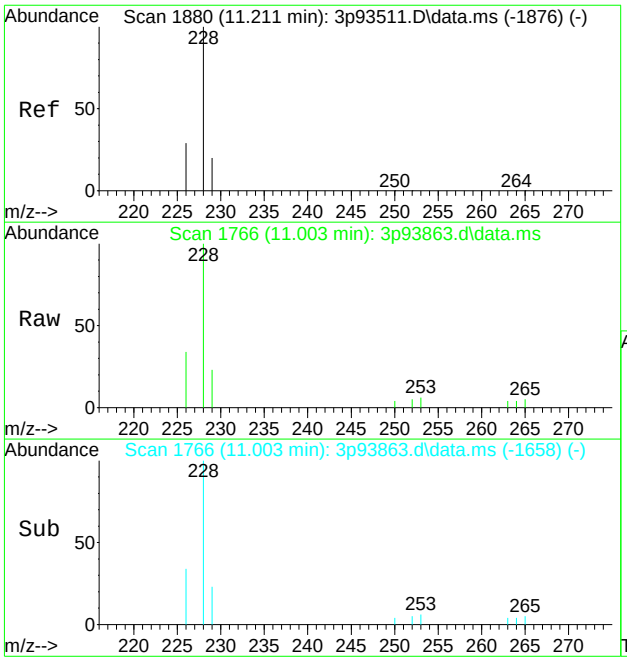


#27
Benzo[a]anthracene
Concen: 13.20 ppb
RT: 10.974 min Scan# 1759
Delta R.T. 0.005 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:228 Resp: 1148

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	49.5
226	24.6	0.0	56.2

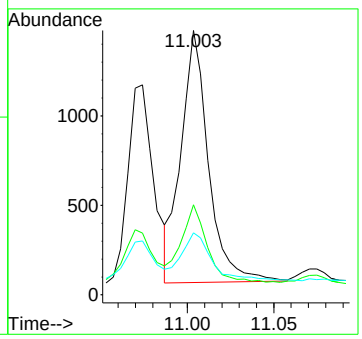


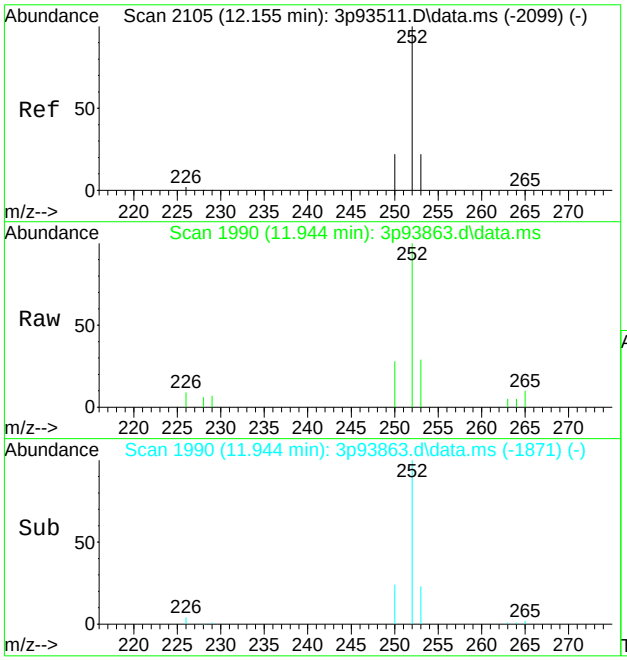


#28
Chrysene
Concen: 15.97 ppb
RT: 11.003 min Scan# 1766
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:228 Resp: 1561

Ion	Ratio	Lower	Upper
228	100		
226	30.9	0.0	58.3
229	18.9	0.0	49.7

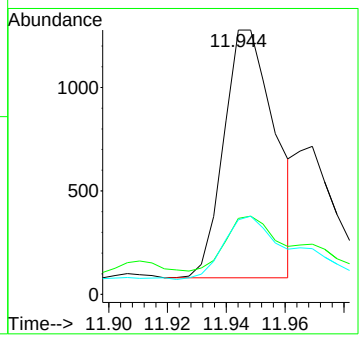


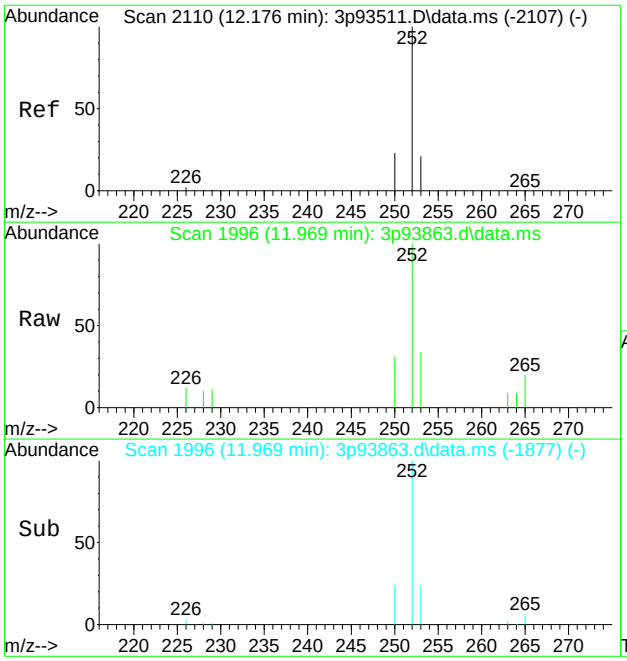


#30
Benzo[b]fluoranthene
Concen: 20.21 ppb
RT: 11.944 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:252 Resp: 1448

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	51.9
250	23.2	0.0	53.0

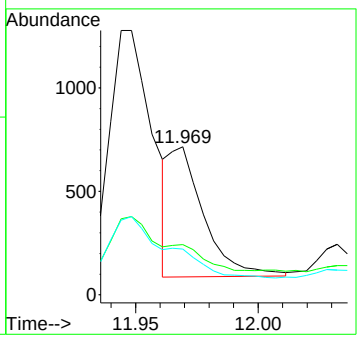


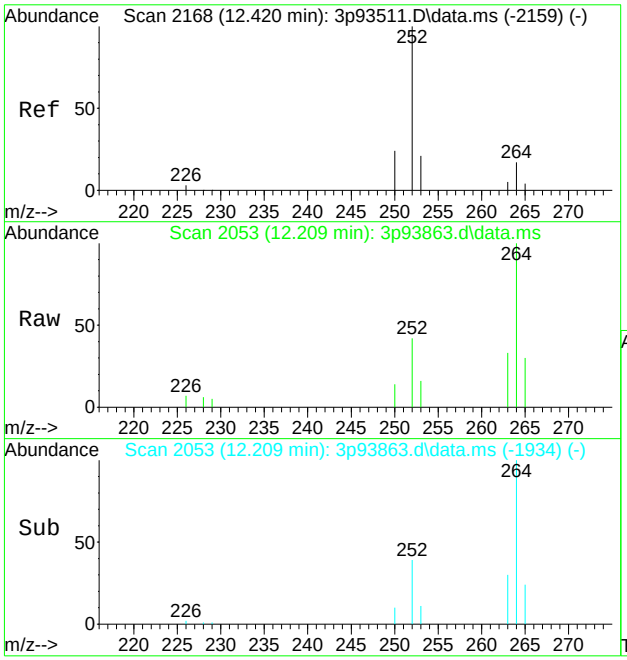


#31
Benzo[k]fluoranthene
Concen: 8.53 ppb
RT: 11.969 min Scan# 1996
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:252 Resp: 622

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	51.9
250	20.7	0.0	51.6

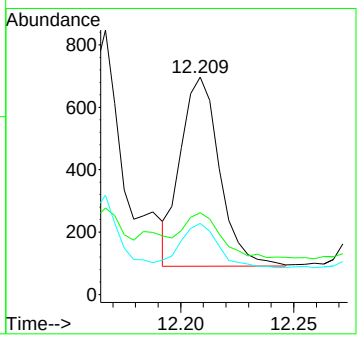


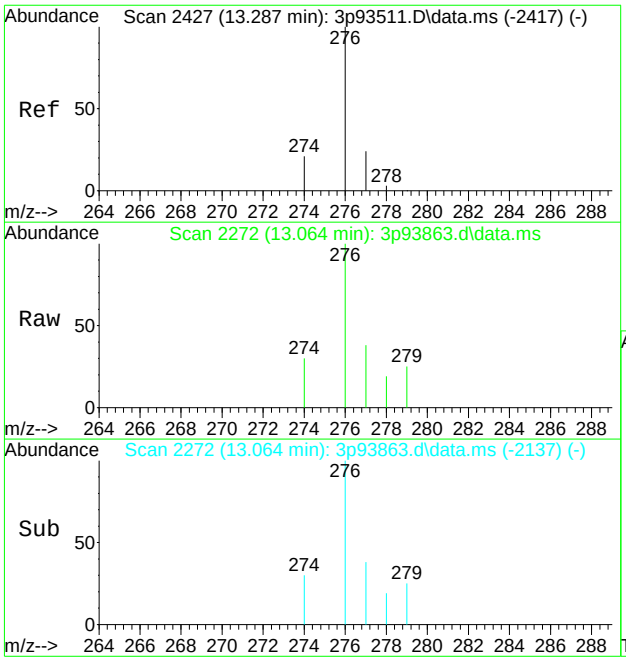


#32
Benzo[a]pyrene
Concen: 10.04 ppb
RT: 12.209 min Scan# 2053
Delta R.T. 0.000 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:252 Resp: 729

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	51.4
250	24.3	0.0	53.1

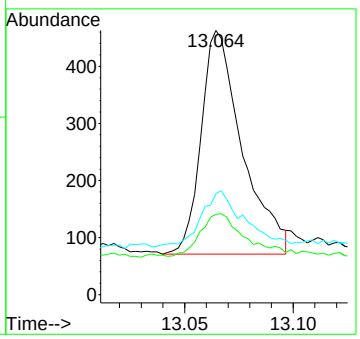


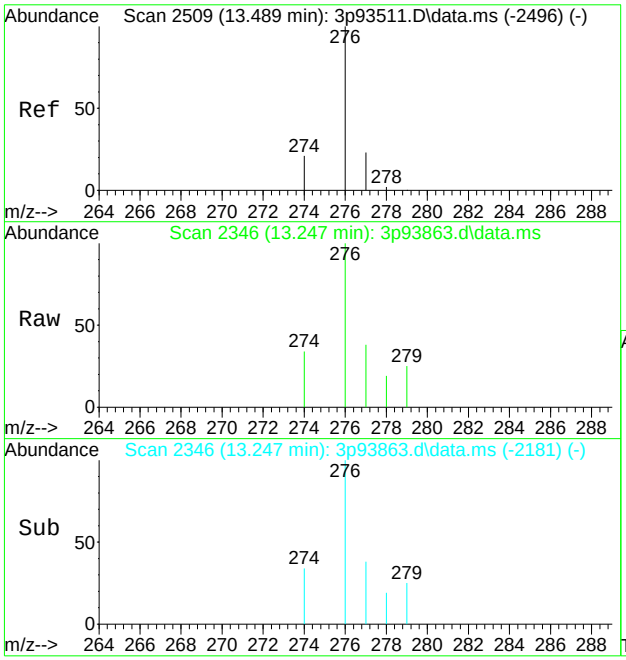


#33
Indeno[1,2,3-cd]pyrene
Concen: 6.53 ppb
RT: 13.064 min Scan# 2272
Delta R.T. 0.002 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:276 Resp: 517

Ion	Ratio	Lower	Upper
276	100		
274	18.7	0.0	50.4
277	23.0	0.0	53.7

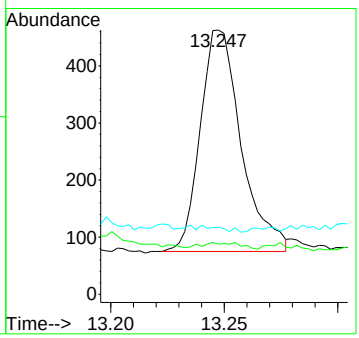




#35
Benzo[g,h,i]perylene
Concen: 6.88 ppb
RT: 13.247 min Scan# 2346
Delta R.T. 0.002 min
Lab File: 3p93863.d
Acq: 13 Jul 2021 3:56 am

Tgt Ion:276 Resp: 487

Ion	Ratio	Lower	Upper
276	100		
278	1.3	0.0	32.8
279	0.0	0.0	30.4



Manual Integration Approval Summary

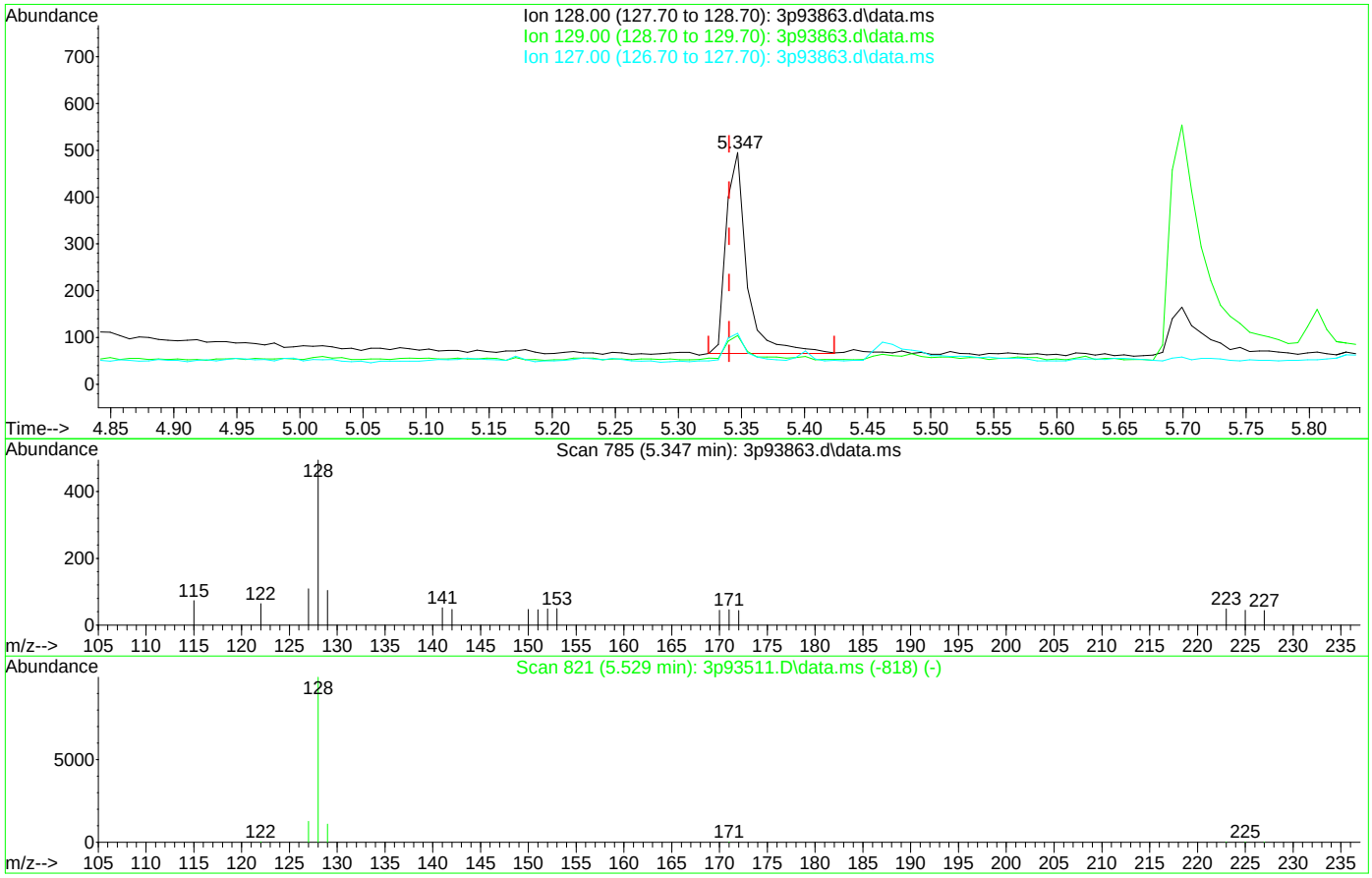
Sample Number: JD27982-2
Lab FileID: 3P93863.D
Injection Time: 07/13/21 03:56
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 06:25 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		5.35	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93863.d
Acq On : 13 Jul 2021 3:56 am
Operator : chriss2
Sample : jd27982-2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:16:19 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93863.d\data.ms

(8) Naphthalene (t)

5.347min (+0.007) 6.41ppb

response 492

Ion	Exp%	Act%
128.00	100	100
129.00	11.40	11.55
127.00	12.20	13.65
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93864.d
Acq On : 13 Jul 2021 4:14 am
Operator : chriss2
Sample : jd27982-3 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:17:42 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

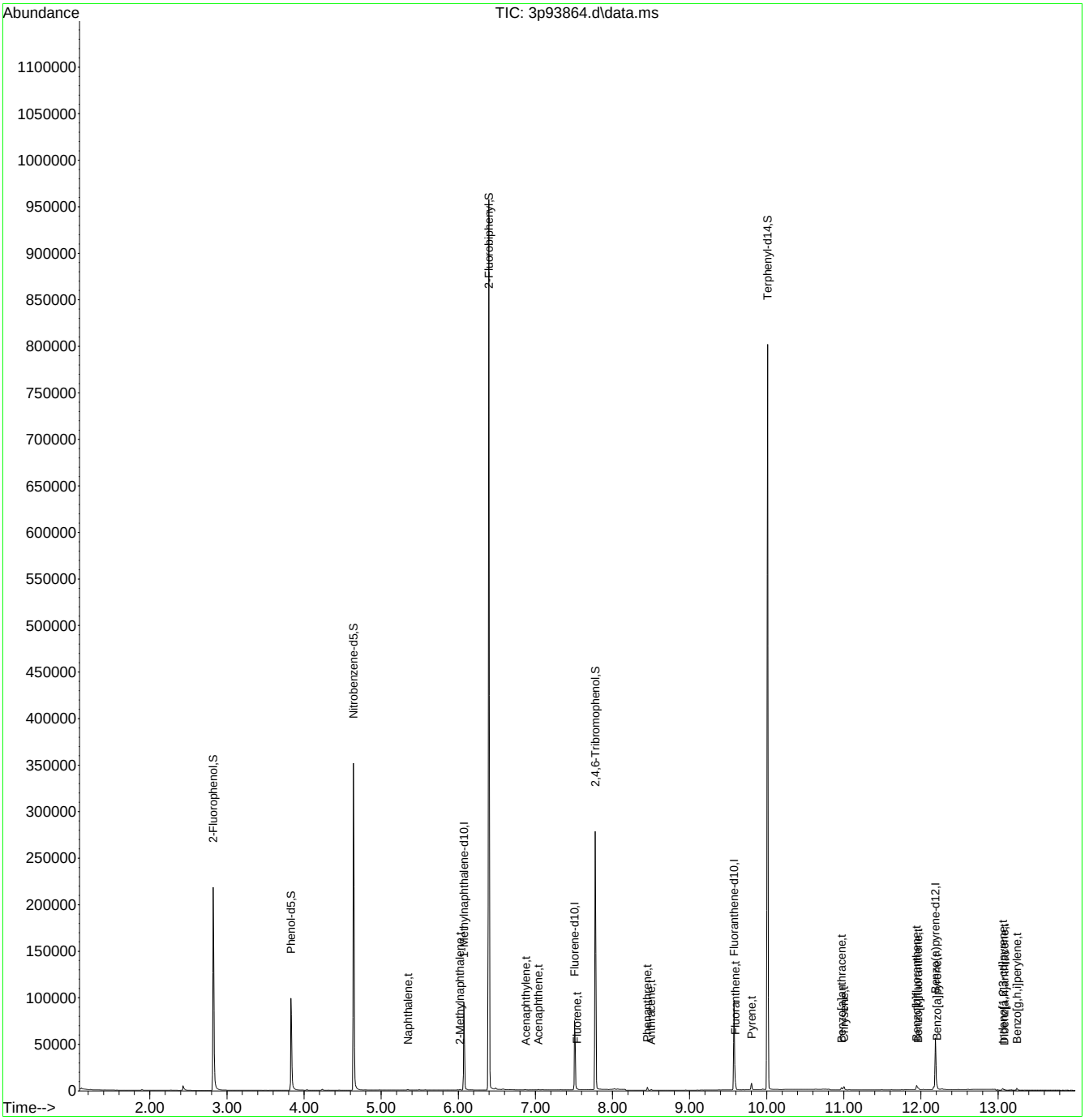
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	24384	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	35512	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	61896	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	35680	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.822	112	98442	5318.17	ppb	0.00
Spiked Amount 50.000			Recovery	= 10636.34%		
4) Phenol-d5	3.830	99	90560	3603.89	ppb	0.00
Spiked Amount 50.000			Recovery	= 7207.78%		
7) Nitrobenzene-d5	4.641	82	207558	8368.80	ppb	0.00
Spiked Amount 50.000			Recovery	= 16737.60%		
13) 2-Fluorobiphenyl	6.395	172	425222	8558.30	ppb	0.00
Spiked Amount 50.000			Recovery	= 17116.60%		
18) 2,4,6-Tribromophenol	7.776	330	96101	10587.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 21174.00%		
26) Terphenyl-d14	10.011	244	467639	8502.86	ppb	0.00
Spiked Amount 50.000			Recovery	= 17005.72%		
Target Compounds						Qvalue
8) Naphthalene	5.347	128	604	8.02	ppb	98
10) 2-Methylnaphthalene	6.020	141	239	5.52	ppb	95
14) Acenaphthylene	6.878	152	111	1.53	ppb	100
15) Acenaphthene	7.039	153	167	3.30	ppb	90
17) Fluorene	7.541	166	449	7.51	ppb	97
22) Phenanthrene	8.451	178	2211	26.57	ppb	99
23) Anthracene	8.501	178	688	8.87	ppb	97
24) Fluoranthene	9.591	202	5086	51.42	ppb	98
25) Pyrene	9.803	202	4347	43.24	ppb	98
27) Benzo[a]anthracene	10.970	228	1545	19.73	ppb	99
28) Chrysene	11.003	228	2705	30.73	ppb	99
30) Benzo[b]fluoranthene	11.944	252	3583	54.38	ppb	99
31) Benzo[k]fluoranthene	11.965	252	1116	16.64	ppb	99
32) Benzo[a]pyrene	12.209	252	1840	27.56	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.062	276	1586	21.79	ppb	99
34) Dibenz[a,h]anthracene	13.082	278	297m	4.93	ppb	
35) Benzo[g,h,i]perylene	13.245	276	1643	25.24	ppb	100

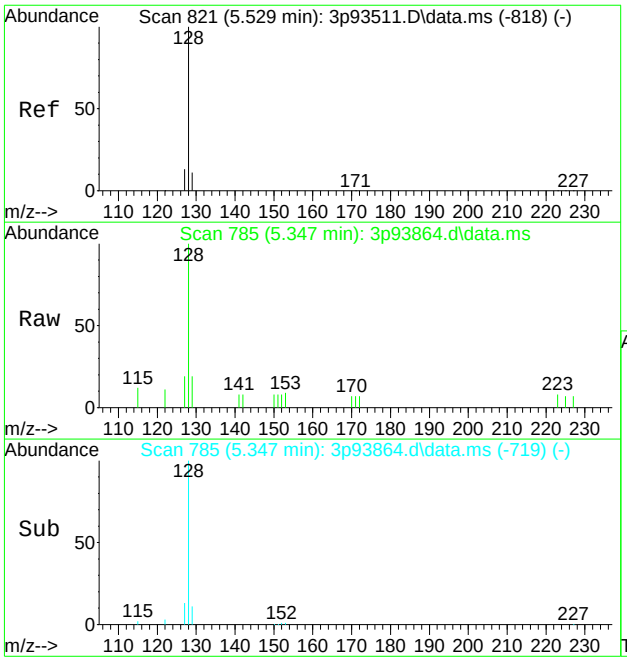
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93864.d
Acq On : 13 Jul 2021 4:14 am
Operator : chriss2
Sample : jd27982-3 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:17:42 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

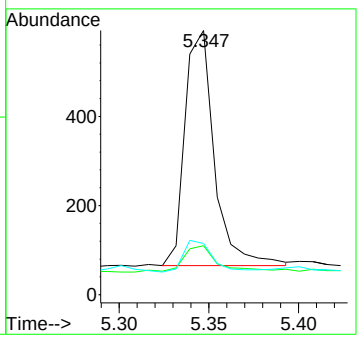


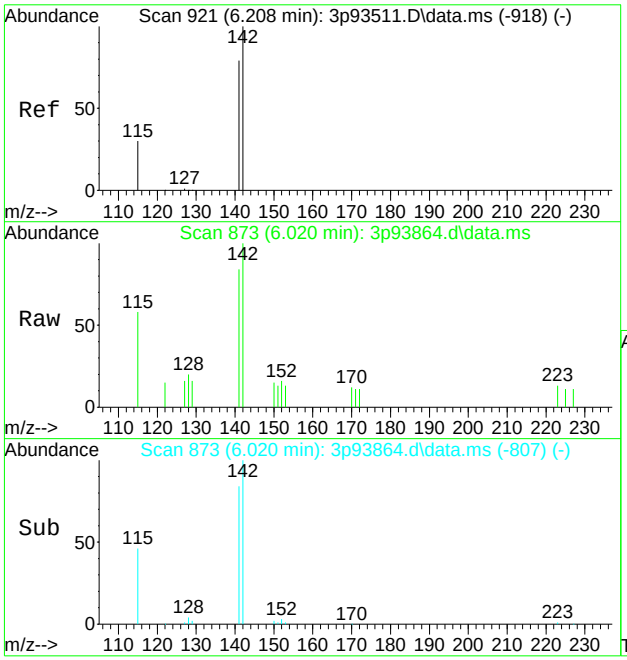


#8
Naphthalene
Concen: 8.02 ppb
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:128 Resp: 604

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	41.4
127	11.4	0.0	42.2

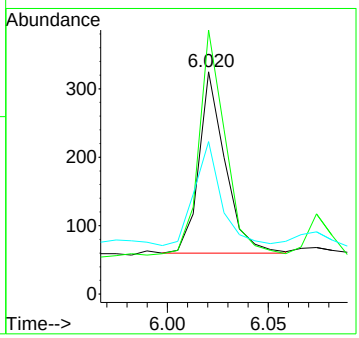


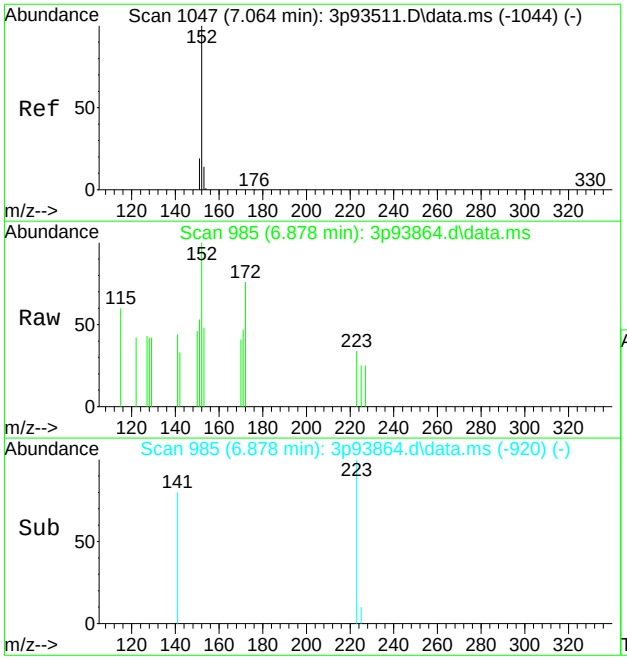


#10
2-Methylnaphthalene
Concen: 5.52 ppb
RT: 6.020 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:141 Resp: 239

Ion	Ratio	Lower	Upper
141	100		
142	123.9	87.0	147.0
115	56.4	29.3	89.3

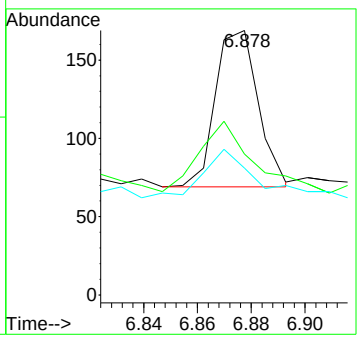


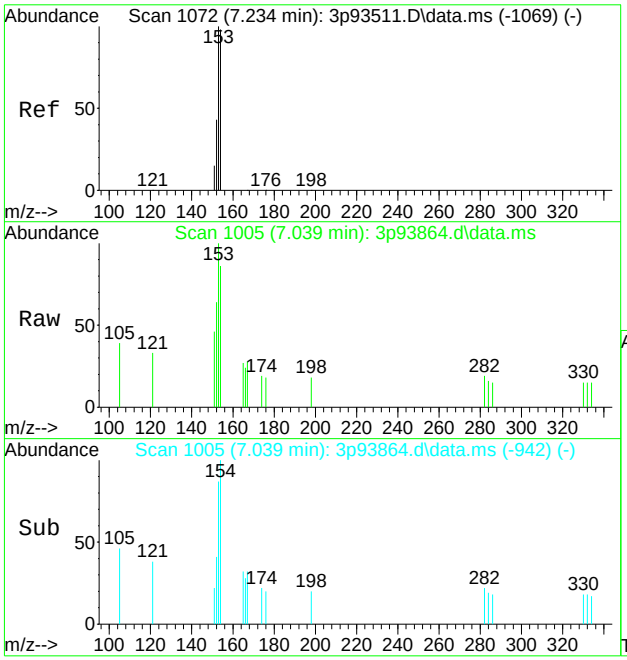


#14
Acenaphthylene
Concen: 1.53 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:152 Resp: 111

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.2
153	13.7	0.0	43.9

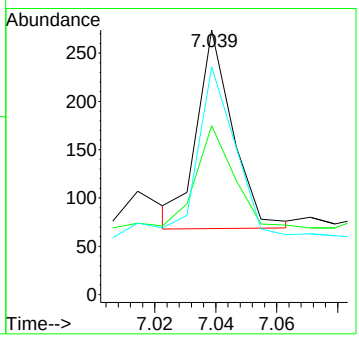


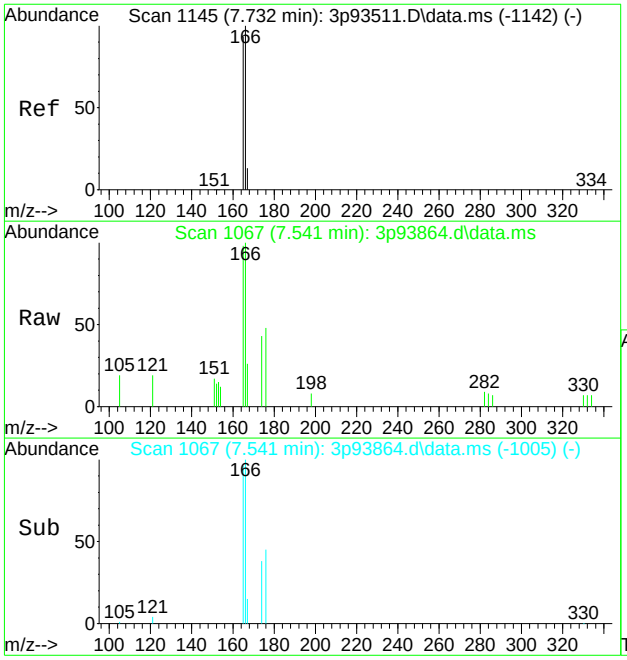


#15
Acenaphthene
Concen: 3.30 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:153 Resp: 167

Ion	Ratio	Lower	Upper
153	100		
152	54.5	13.3	73.3
154	89.7	66.2	126.2

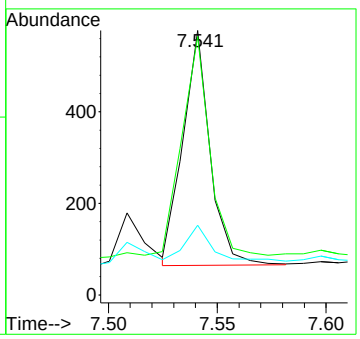


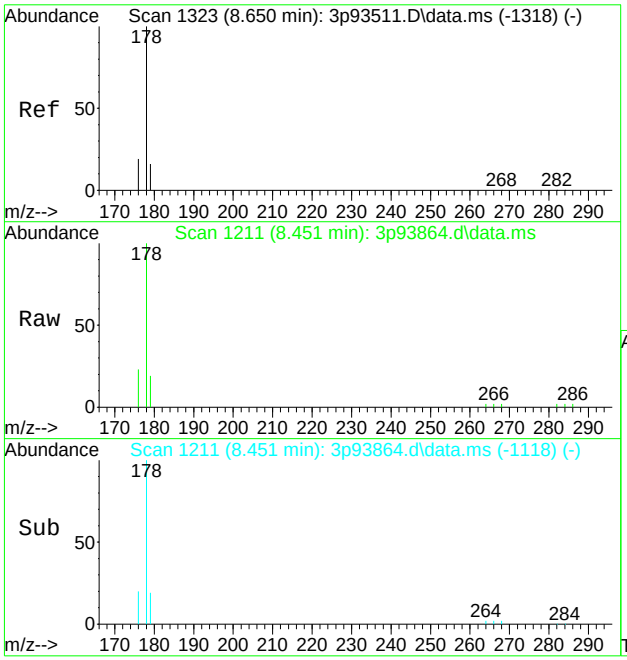


#17
Fluorene
Concen: 7.51 ppb
RT: 7.541 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:166 Resp: 449

Ion	Ratio	Lower	Upper
166	100		
165	93.9	66.9	126.9
167	15.2	0.0	42.8

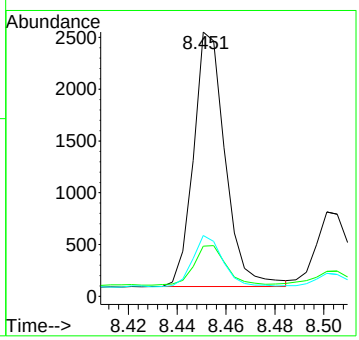


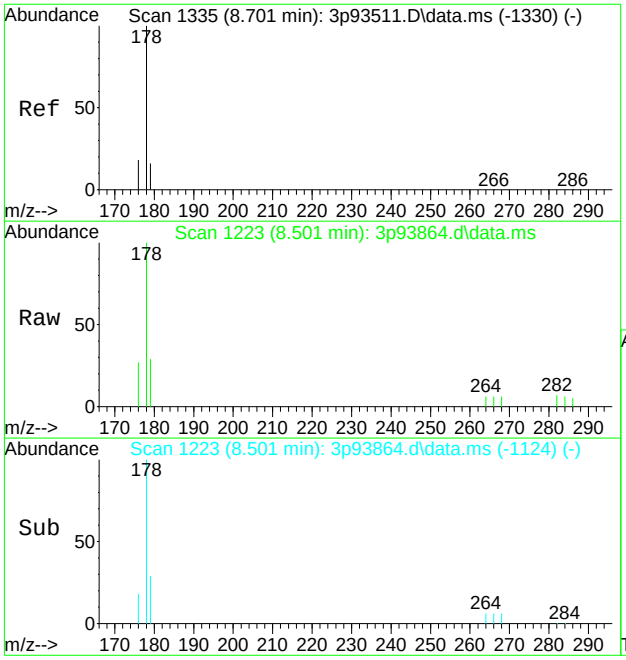


#22
Phenanthrene
Concen: 26.57 ppb
RT: 8.451 min Scan# 1211
Delta R.T. -0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:178 Resp: 2211

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	44.9
176	20.1	0.0	49.8

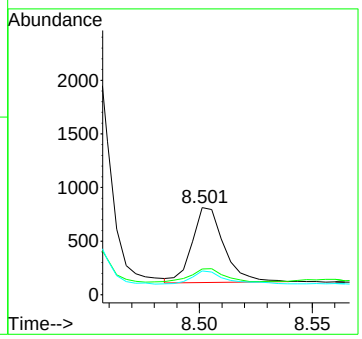


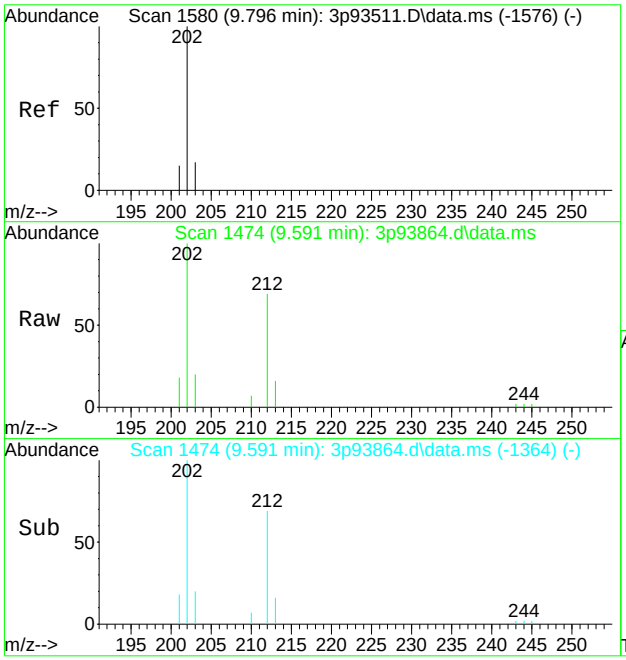


#23
Anthracene
Concen: 8.87 ppb
RT: 8.501 min Scan# 1223
Delta R.T. -0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:178 Resp: 688

Ion	Ratio	Lower	Upper
178	100		
179	17.1	0.0	45.0
176	17.8	0.0	48.7

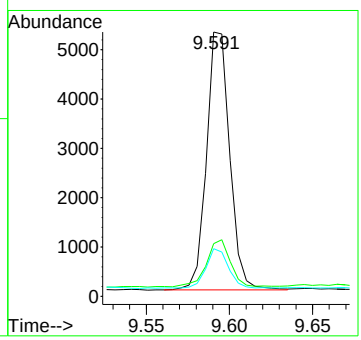


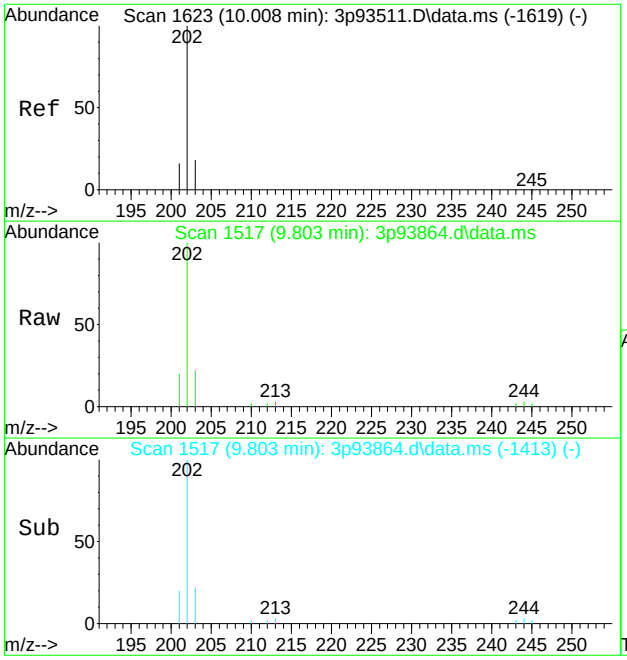


#24
Fluoranthene
Concen: 51.42 ppb
RT: 9.591 min Scan# 1474
Delta R.T. -0.005 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:202 Resp: 5086

Ion	Ratio	Lower	Upper
202	100		
203	16.6	0.0	47.5
201	15.2	0.0	44.2

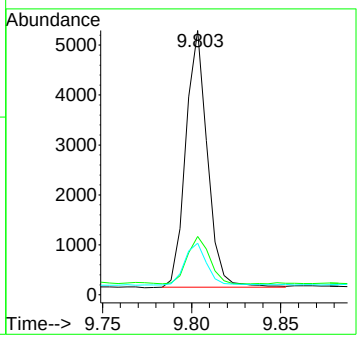


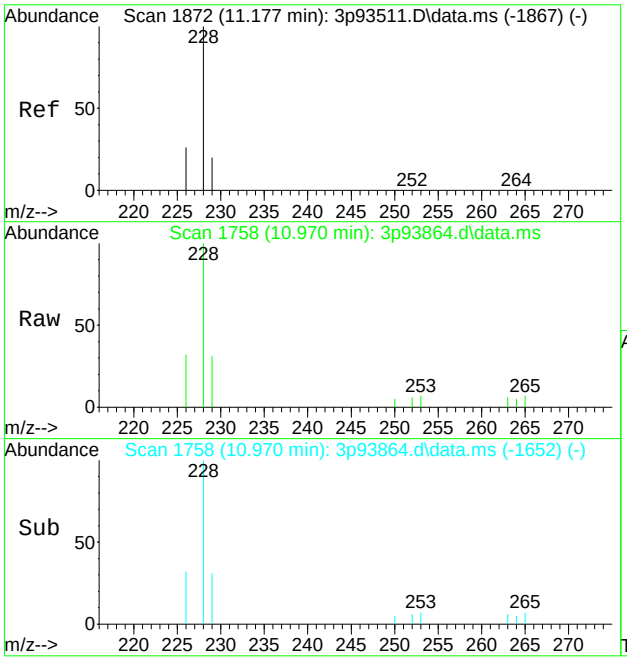


#25
Pyrene
Concen: 43.24 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:202 Resp: 4347

Ion	Ratio	Lower	Upper
202	100		
203	18.4	0.0	47.3
201	16.2	0.0	46.8

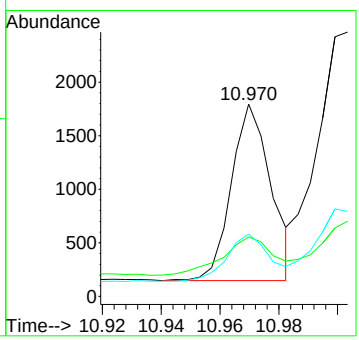


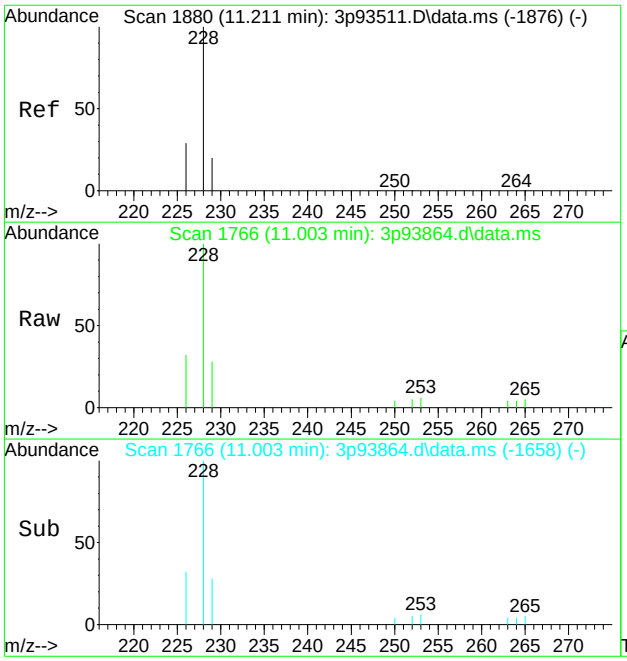


#27
Benzo[a]anthracene
Concen: 19.73 ppb
RT: 10.970 min Scan# 1758
Delta R.T. 0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:228 Resp: 1545

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	49.5
226	26.5	0.0	56.2

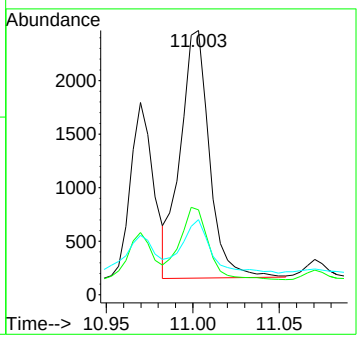


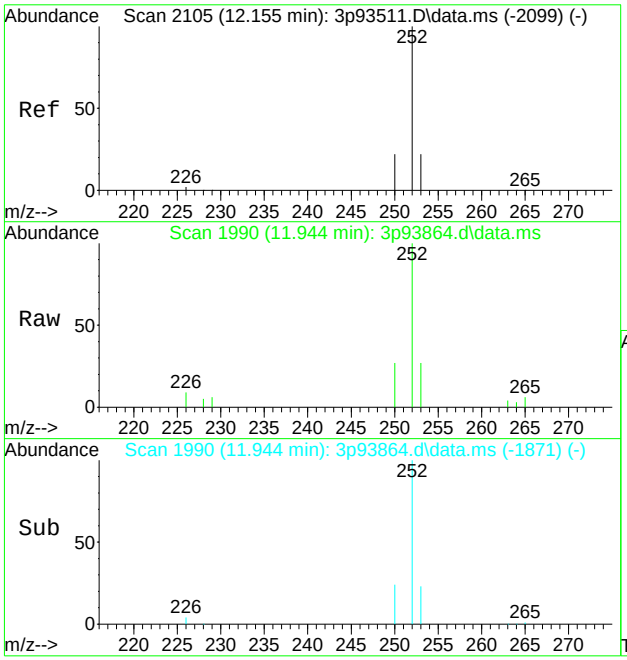


#28
Chrysene
Concen: 30.73 ppb
RT: 11.003 min Scan# 1766
Delta R.T. 0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:228 Resp: 2705

Ion	Ratio	Lower	Upper
228	100		
226	28.3	0.0	58.3
229	20.9	0.0	49.7

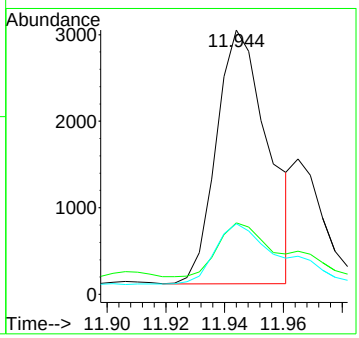


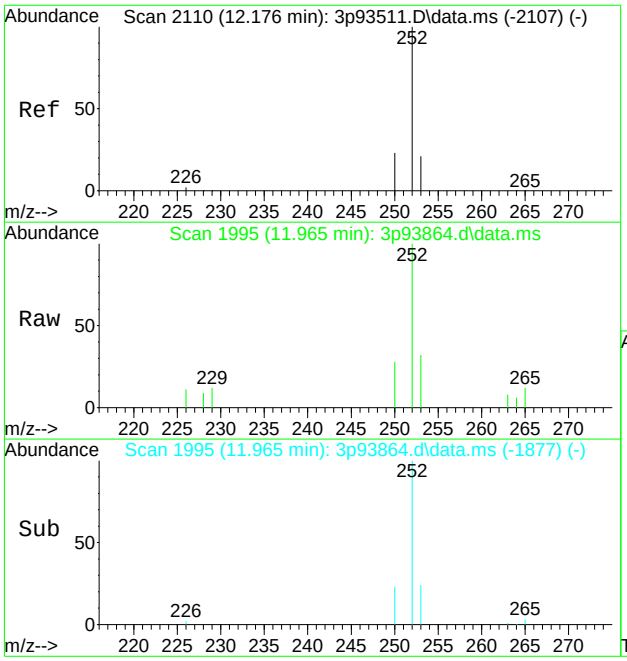


#30
Benzo[b]fluoranthene
Concen: 54.38 ppb
RT: 11.944 min Scan# 1990
Delta R.T. -0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:252 Resp: 3583

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.9
250	23.9	0.0	53.0

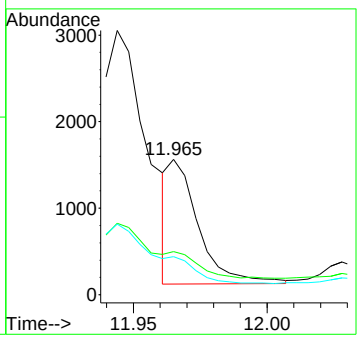


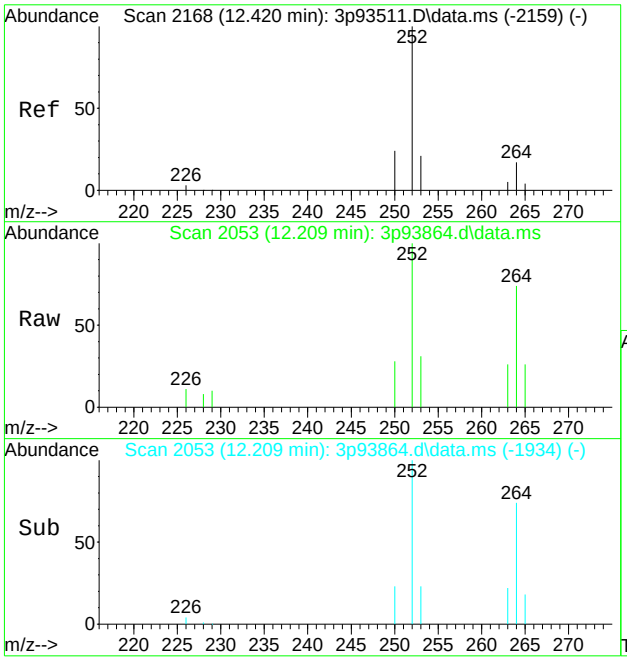


#31
Benzo[k]fluoranthene
Concen: 16.64 ppb
RT: 11.965 min Scan# 1995
Delta R.T. -0.004 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:252 Resp: 1116

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	51.9
250	20.8	0.0	51.6

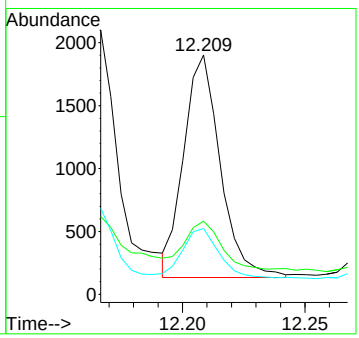


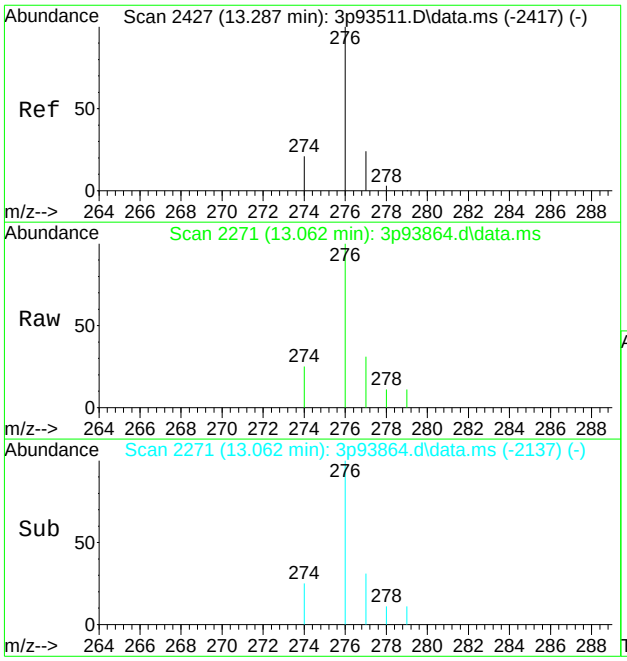


#32
Benzo[a]pyrene
Concen: 27.56 ppb
RT: 12.209 min Scan# 2053
Delta R.T. 0.000 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:252 Resp: 1840

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	51.4
250	22.5	0.0	53.1

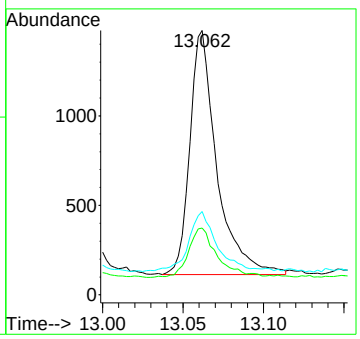


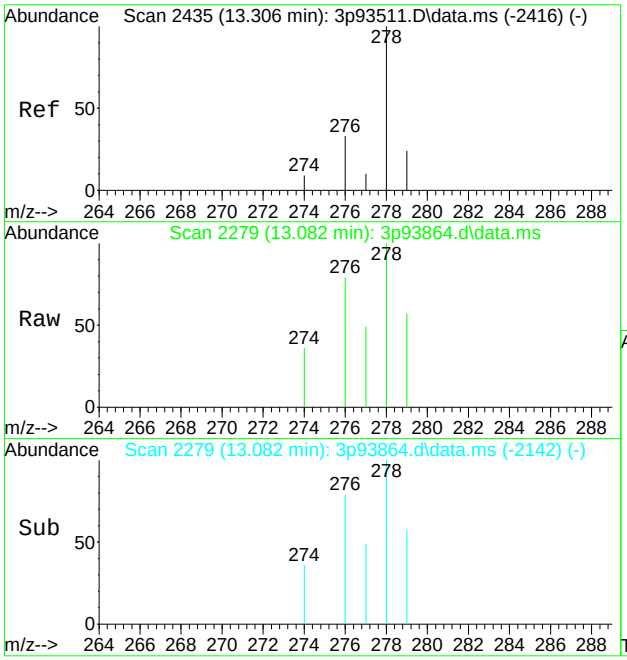


#33
Indeno[1,2,3-cd]pyrene
Concen: 21.79 ppb
RT: 13.062 min Scan# 2271
Delta R.T. -0.001 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:276 Resp: 1586

Ion	Ratio	Lower	Upper
276	100		
274	19.9	0.0	50.4
277	23.6	0.0	53.7

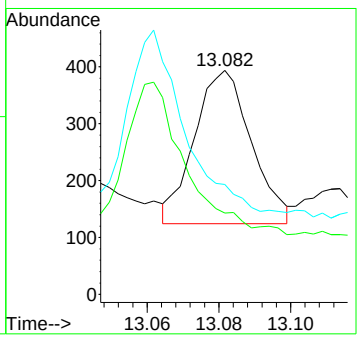


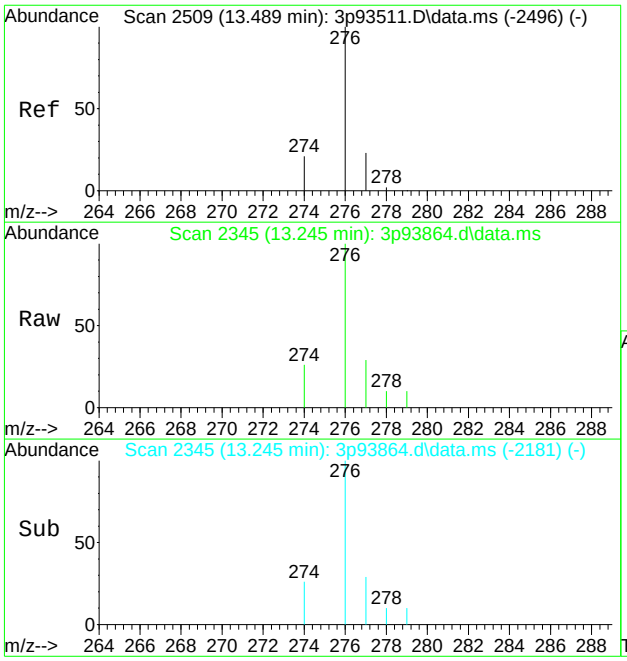


#34
Dibenz[a,h]anthracene
Concen: 4.93 ppb m
RT: 13.082 min Scan# 2279
Delta R.T. -0.001 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:278 Resp: 297

Ion	Ratio	Lower	Upper
278	100		
274	36.3	0.0	39.1
277	49.0	0.0	39.3#

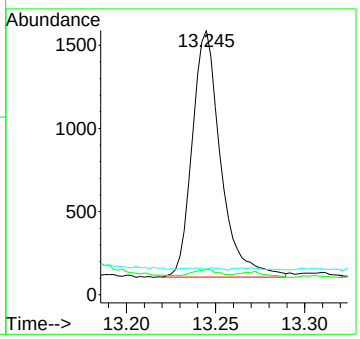




#35
Benzo[g,h,i]perylene
Concen: 25.24 ppb
RT: 13.245 min Scan# 2345
Delta R.T. -0.001 min
Lab File: 3p93864.d
Acq: 13 Jul 2021 4:14 am

Tgt Ion:276 Resp: 1643

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.0	0.0	30.4



Manual Integration Approval Summary

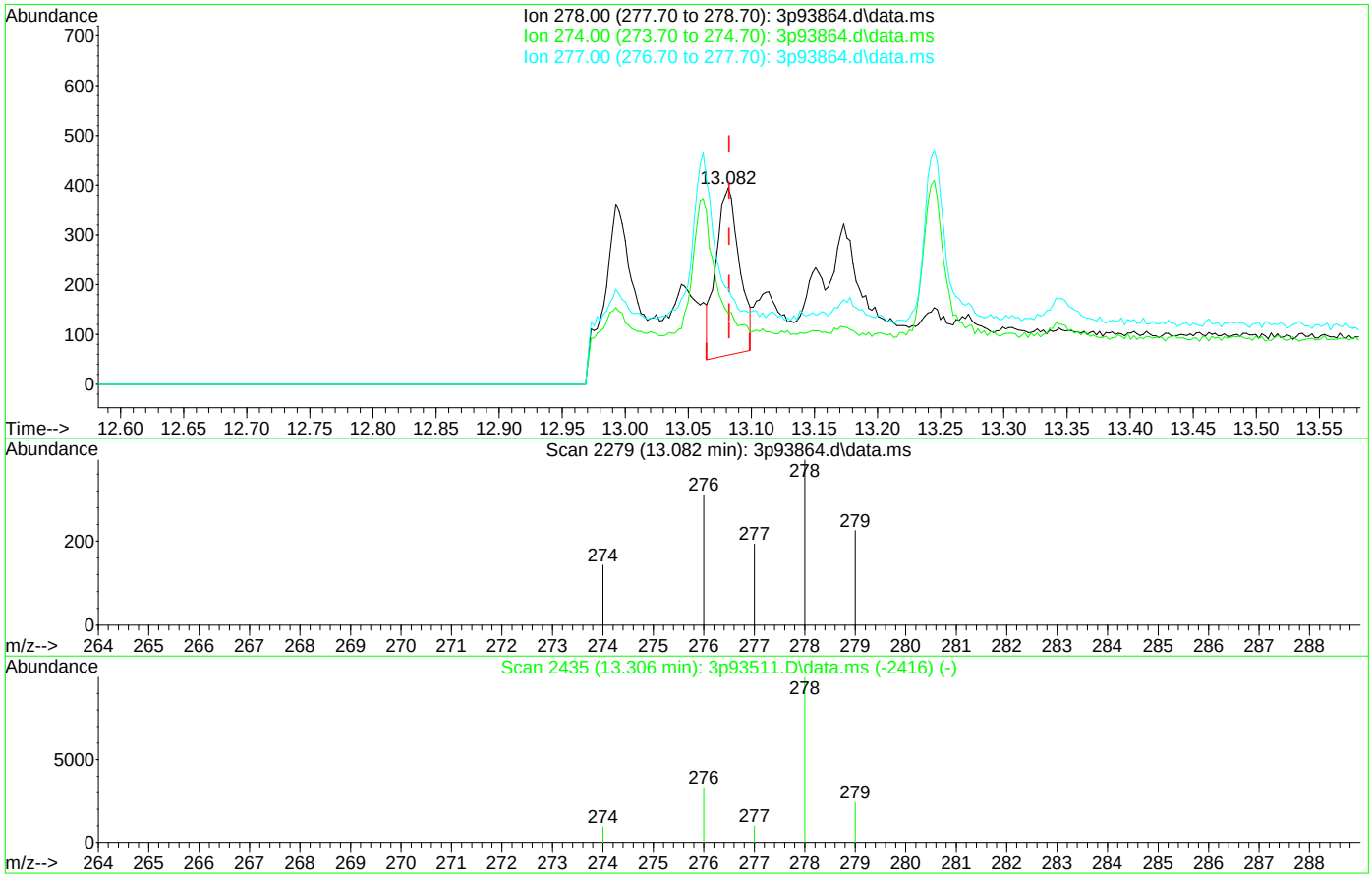
Sample Number: JD27982-3
Lab FileID: 3P93864.D
Injection Time: 07/13/21 04:14
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 06:25 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzo(a,h)anthracene	53-70-3		13.08	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93864.d
Acq On : 13 Jul 2021 4:14 am
Operator : chriss2
Sample : jd27982-3 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:12:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93864.d\data.ms

(34) Dibenz[a,h]anthracene (t)

13.082min (-0.001) 7.19ppb

response 433

Ion	Exp%	Act%
278.00	100	100
274.00	9.10	0.00
277.00	9.30	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93865.d
Acq On : 13 Jul 2021 4:33 am
Operator : chriss2
Sample : jd27982-4 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:19:52 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

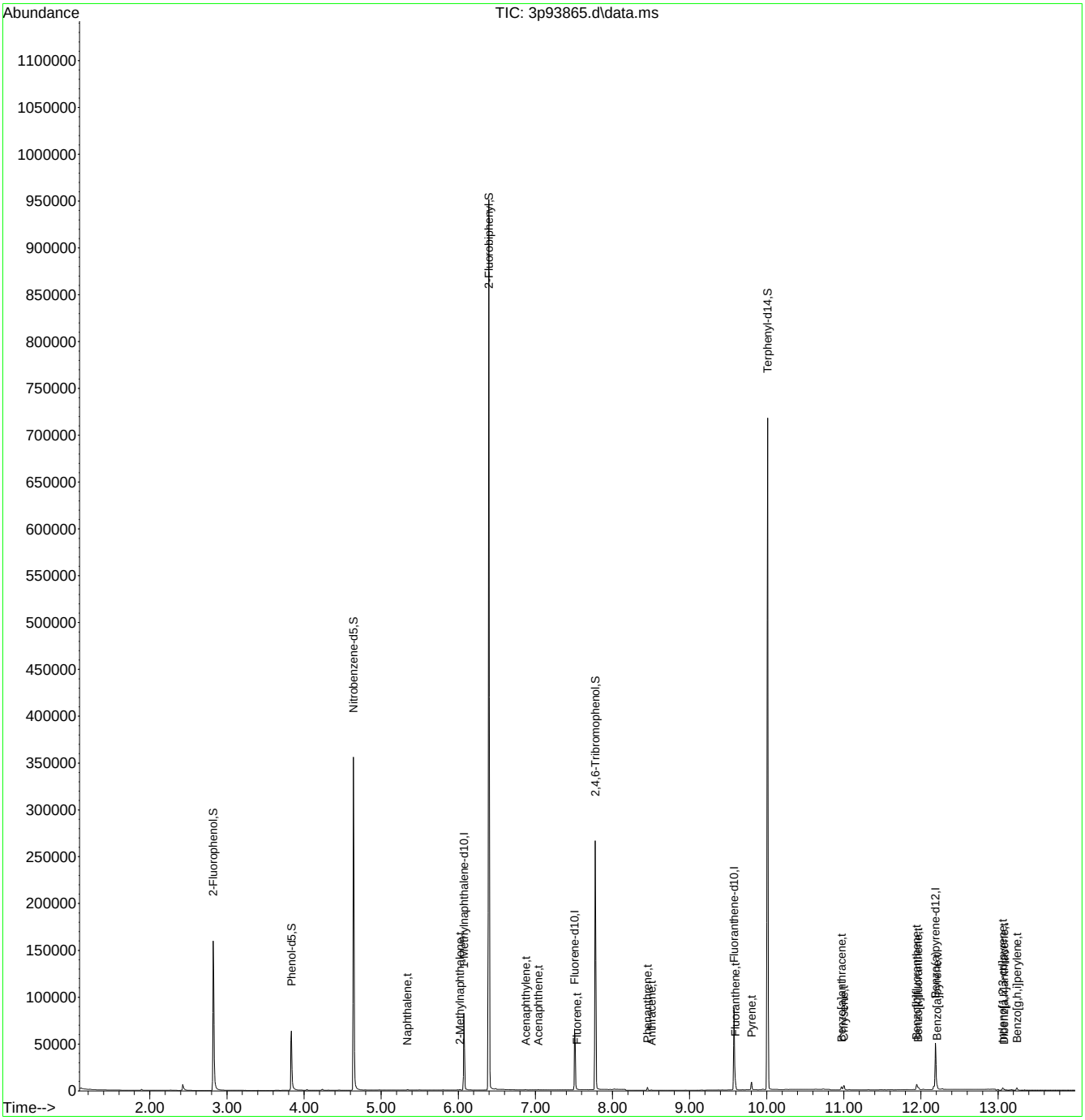
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	21342	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	32824	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	56193	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	32301	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.823	112	75243	4644.27	ppb	0.00
Spiked Amount 50.000			Recovery	= 9288.54%		
4) Phenol-d5	3.836	99	62438	2838.92	ppb	0.00
Spiked Amount 50.000			Recovery	= 5677.84%		
7) Nitrobenzene-d5	4.641	82	206880	9530.42	ppb	0.00
Spiked Amount 50.000			Recovery	= 19060.84%		
13) 2-Fluorobiphenyl	6.396	172	420591	9158.32	ppb	0.00
Spiked Amount 50.000			Recovery	= 18316.64%		
18) 2,4,6-Tribromophenol	7.776	330	90563	10793.93	ppb	0.00
Spiked Amount 50.000			Recovery	= 21587.86%		
26) Terphenyl-d14	10.011	244	423304	8477.87	ppb	0.00
Spiked Amount 50.000			Recovery	= 16955.74%		
Target Compounds						Qvalue
8) Naphthalene	5.339	128	473m	7.18	ppb	
10) 2-Methylnaphthalene	6.021	141	202	5.33	ppb	92
14) Acenaphthylene	6.878	152	123	1.83	ppb	95
15) Acenaphthene	7.039	153	82	1.75	ppb	88
17) Fluorene	7.541	166	198	3.58	ppb	97
22) Phenanthrene	8.455	178	2090	27.67	ppb	98
23) Anthracene	8.506	178	347	4.93	ppb	94
24) Fluoranthene	9.596	202	5978	66.57	ppb	99
25) Pyrene	9.803	202	5016	54.95	ppb	98
27) Benzo[a]anthracene	10.970	228	2051	28.84	ppb	99
28) Chrysene	10.999	228	3531	44.18	ppb	99
30) Benzo[b]fluoranthene	11.944	252	4560	76.45	ppb	99
31) Benzo[k]fluoranthene	11.965	252	1451	23.90	ppb	99
32) Benzo[a]pyrene	12.209	252	2165	35.82	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.059	276	2001	30.37	ppb	99
34) Dibenz[a,h]anthracene	13.079	278	335m	6.14	ppb	
35) Benzo[g,h,i]perylene	13.245	276	2031	34.46	ppb	98

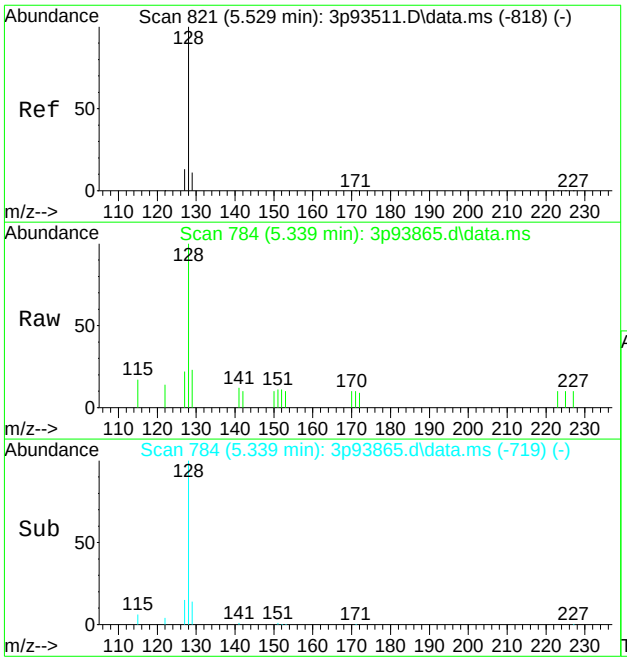
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93865.d
Acq On : 13 Jul 2021 4:33 am
Operator : chriss2
Sample : jd27982-4 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:19:52 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

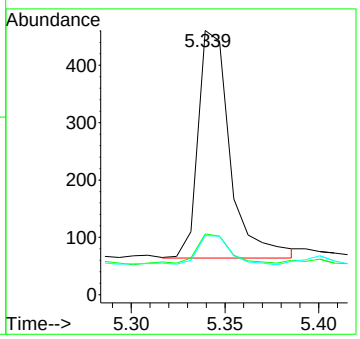


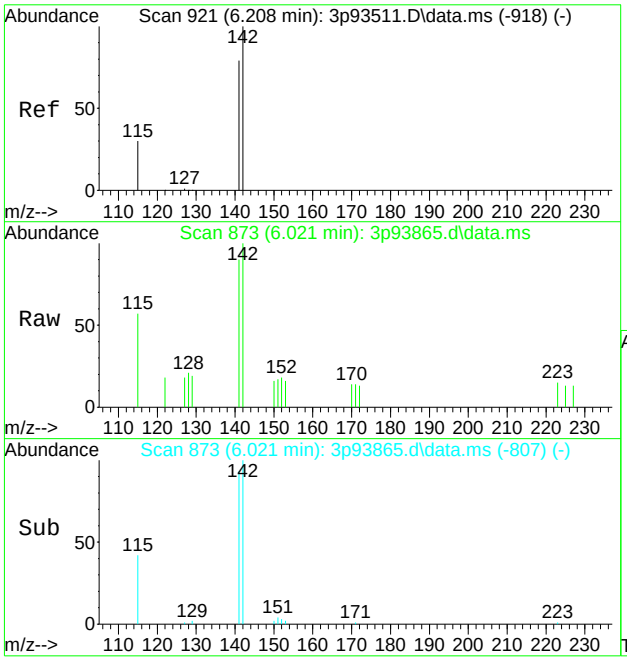


#8
Naphthalene
Concen: 7.18 ppb m
RT: 5.339 min Scan# 784
Delta R.T. -0.001 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:128 Resp: 473

Ion	Ratio	Lower	Upper
128	100		
129	23.0	0.0	41.4
127	22.3	0.0	42.2

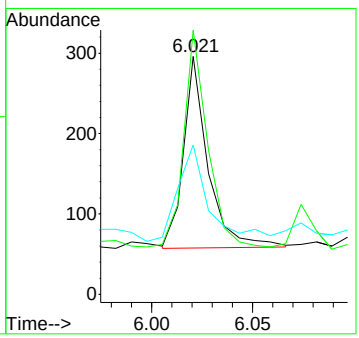


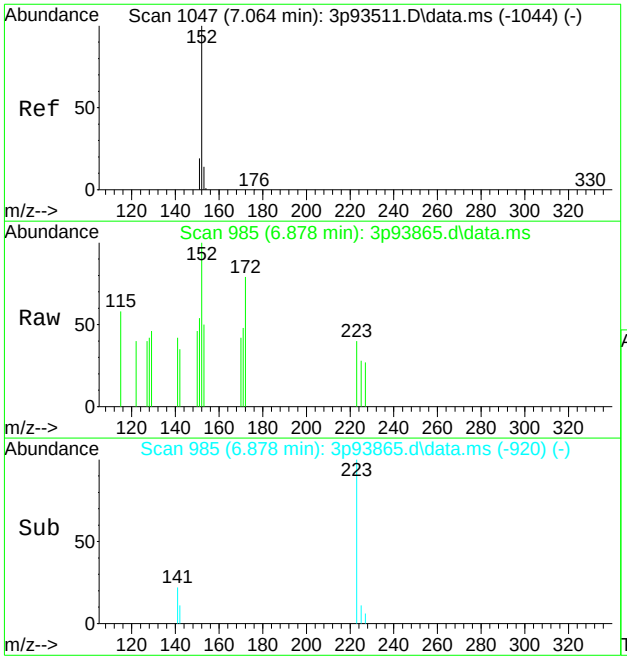


#10
2-Methylnaphthalene
Concen: 5.33 ppb
RT: 6.021 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:141 Resp: 202

Ion	Ratio	Lower	Upper
141	100		
142	113.2	87.0	147.0
115	47.1	29.3	89.3

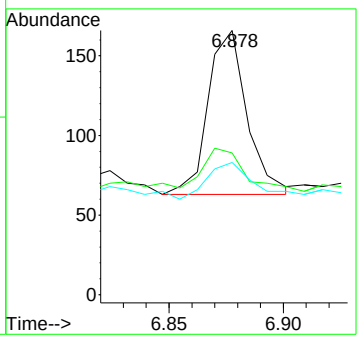


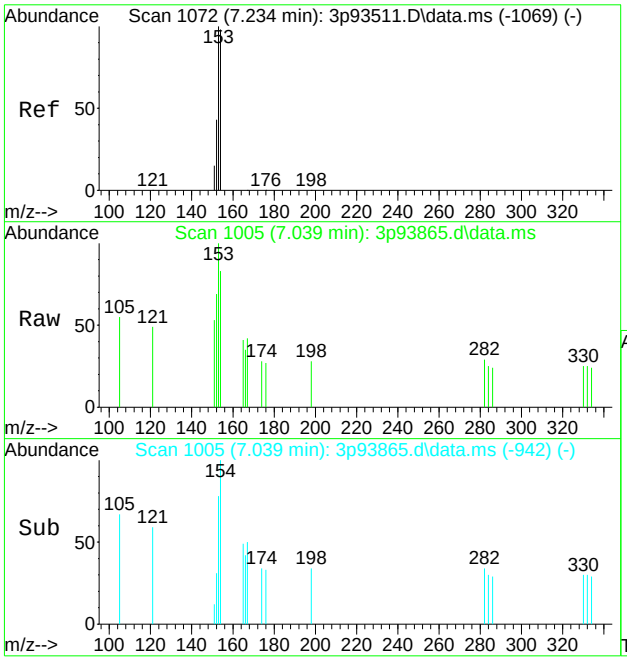


#14
Acenaphthylene
Concen: 1.83 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:152 Resp: 123

Ion	Ratio	Lower	Upper
152	100		
151	19.9	0.0	49.2
153	17.9	0.0	43.9

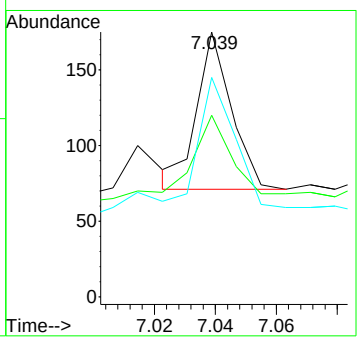


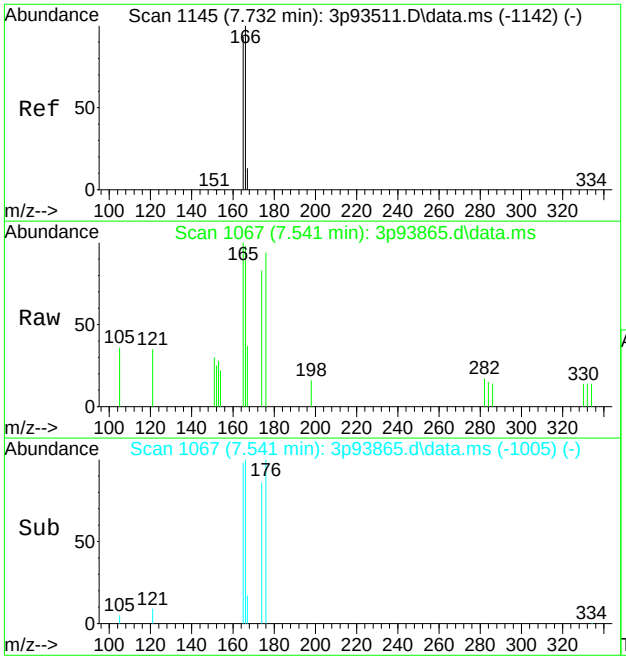


#15
Acenaphthene
Concen: 1.75 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:153 Resp: 82

Ion	Ratio	Lower	Upper
153	100		
152	52.8	13.3	73.3
154	86.2	66.2	126.2

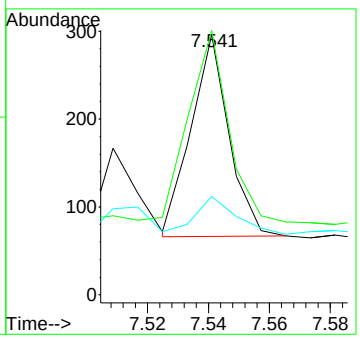


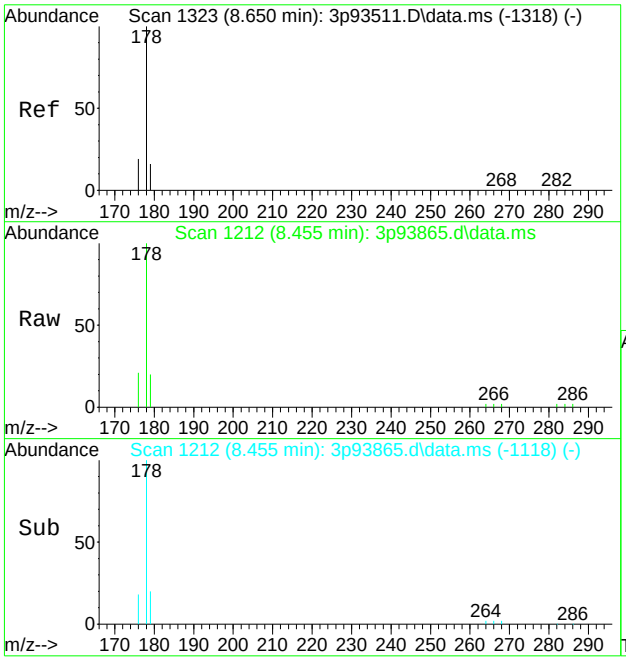


#17
Fluorene
Concen: 3.58 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:166 Resp: 198

Ion	Ratio	Lower	Upper
166	100		
165	95.1	66.9	126.9
167	18.3	0.0	42.8

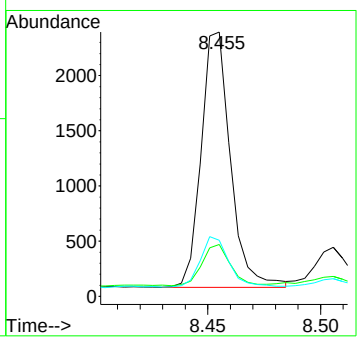


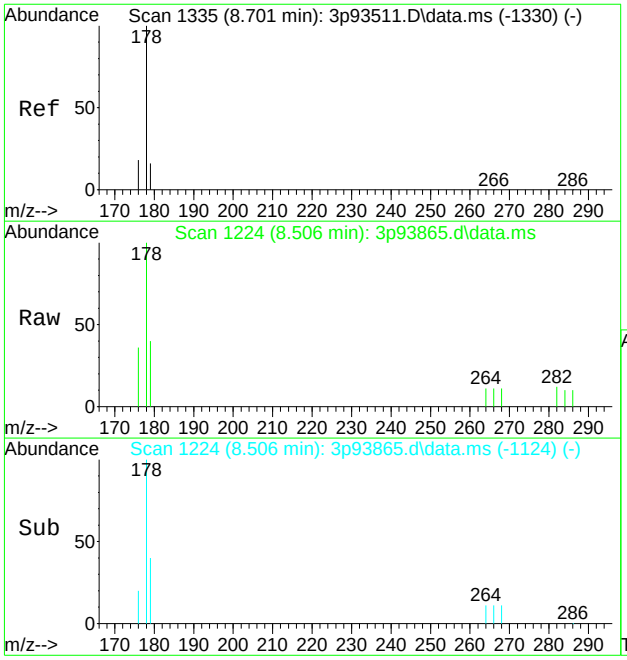


#22
Phenanthrene
Concen: 27.67 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:178 Resp: 2090

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	44.9
176	18.4	0.0	49.8

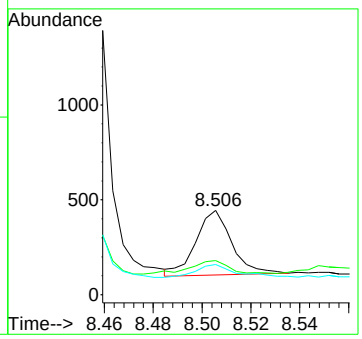


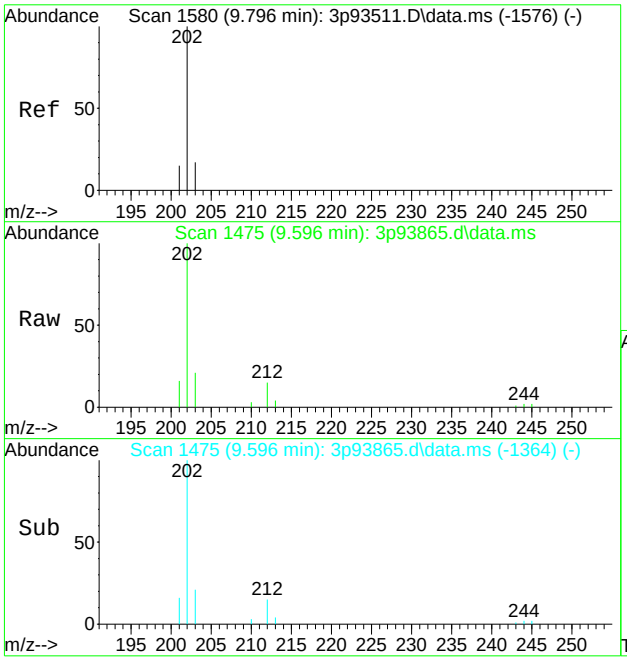


#23
Anthracene
Concen: 4.93 ppb
RT: 8.506 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:178 Resp: 347

Ion	Ratio	Lower	Upper
178	100		
179	18.1	0.0	45.0
176	20.6	0.0	48.7

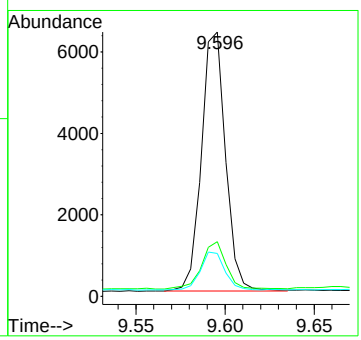


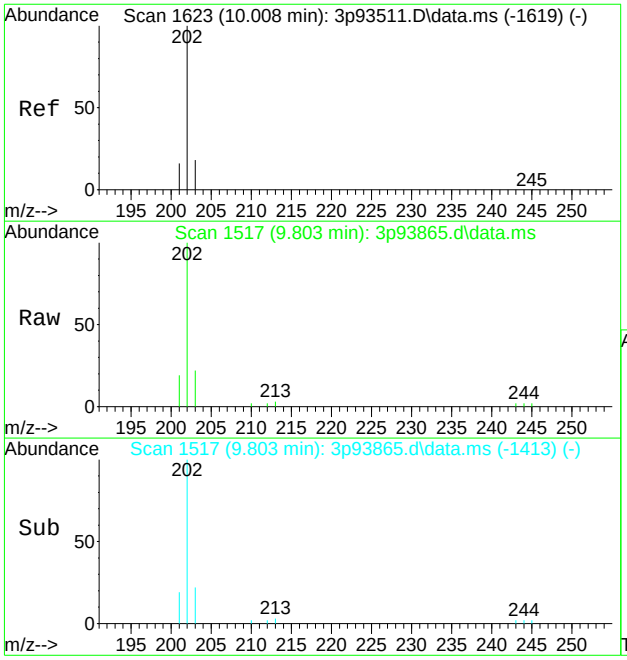


#24
Fluoranthene
Concen: 66.57 ppb
RT: 9.596 min Scan# 1475
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:202 Resp: 5978

Ion	Ratio	Lower	Upper
202	100		
203	18.2	0.0	47.5
201	14.1	0.0	44.2

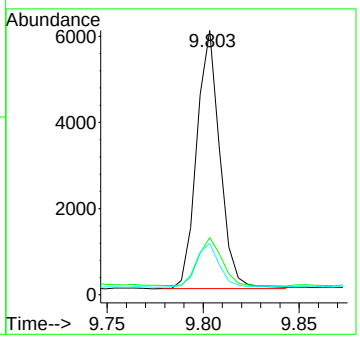


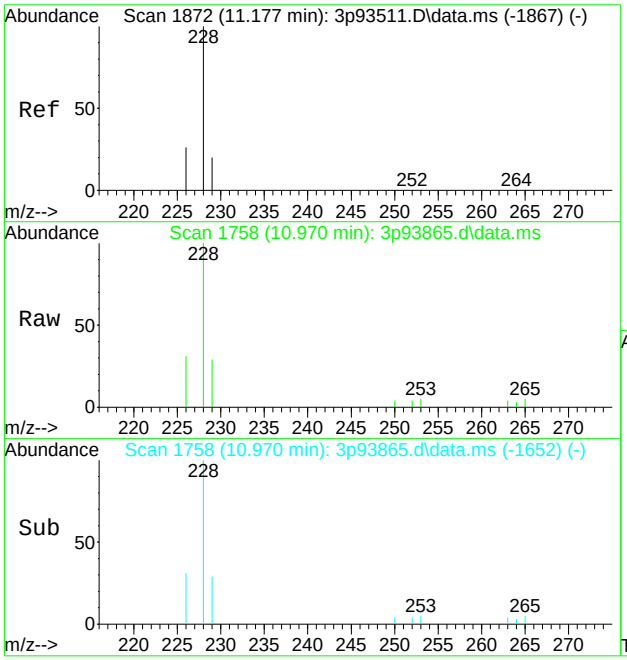


#25
Pyrene
Concen: 54.95 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:202 Resp: 5016

Ion	Ratio	Lower	Upper
202	100		
203	18.8	0.0	47.3
201	16.7	0.0	46.8

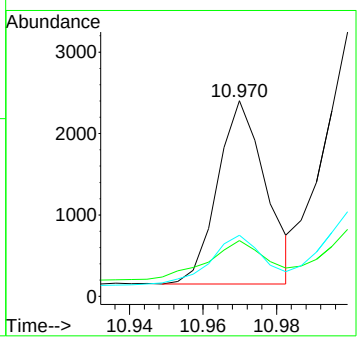


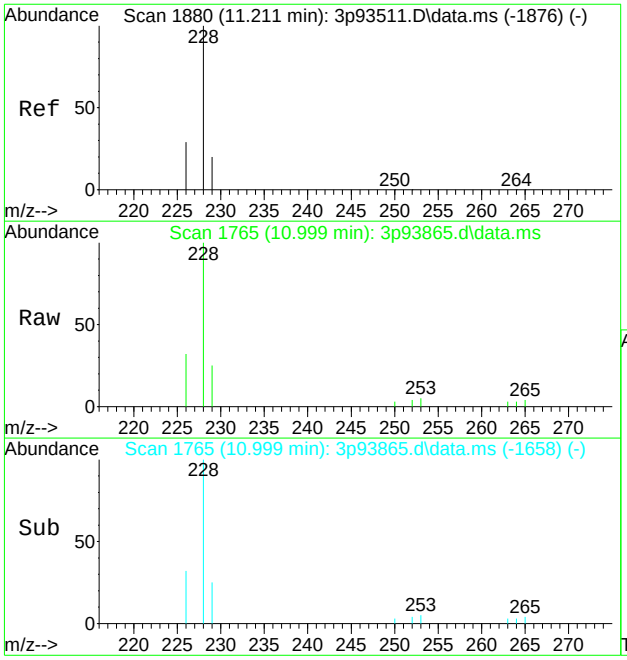


#27
Benzo[a]anthracene
Concen: 28.84 ppb
RT: 10.970 min Scan# 1758
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:228 Resp: 2051

Ion	Ratio	Lower	Upper
228	100		
229	20.2	0.0	49.5
226	26.5	0.0	56.2

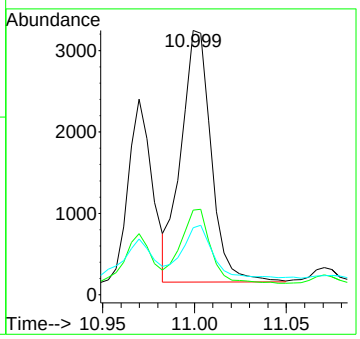


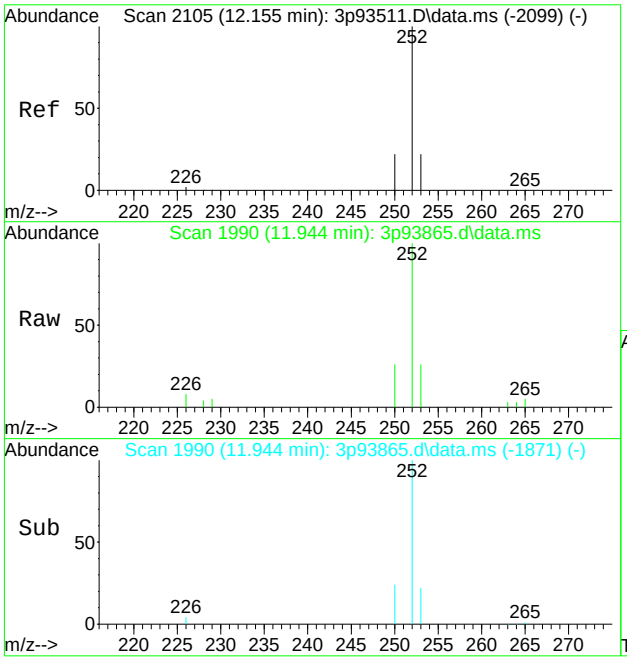


#28
Chrysene
Concen: 44.18 ppb
RT: 10.999 min Scan# 1765
Delta R.T. -0.004 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:228 Resp: 3531

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	58.3
229	19.5	0.0	49.7

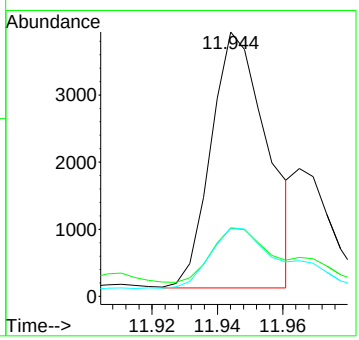


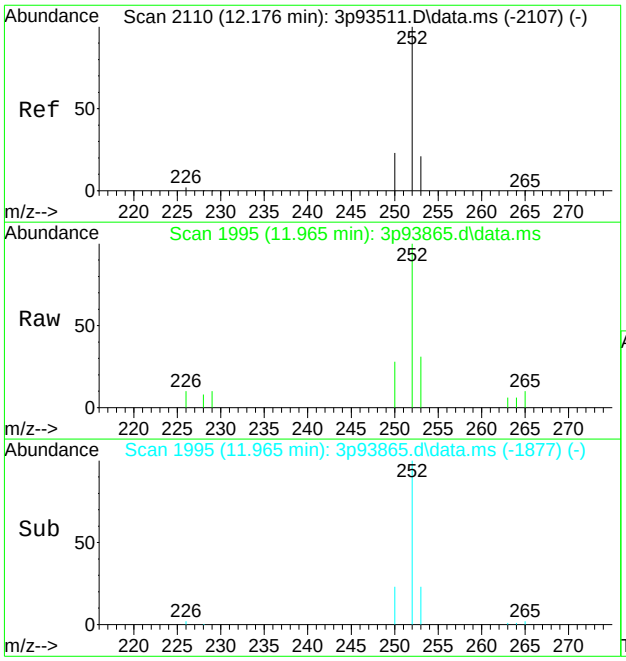


#30
Benzo[b]fluoranthene
Concen: 76.45 ppb
RT: 11.944 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:252 Resp: 4560

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.9
250	23.5	0.0	53.0

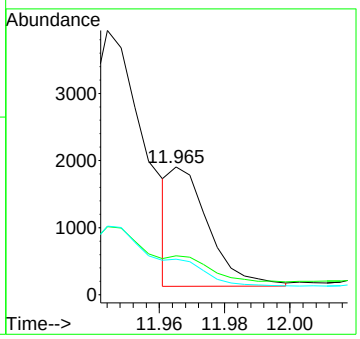


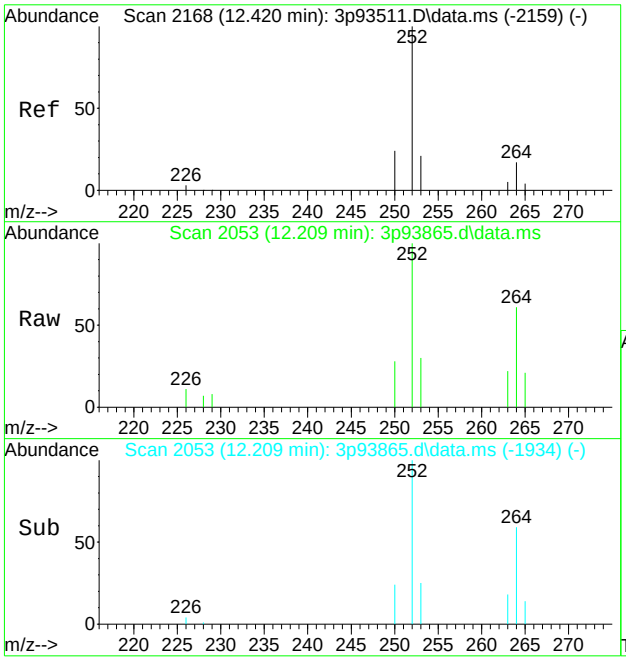


#31
Benzo[k]fluoranthene
Concen: 23.90 ppb
RT: 11.965 min Scan# 1995
Delta R.T. -0.004 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:252 Resp: 1451

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	51.9
250	21.9	0.0	51.6

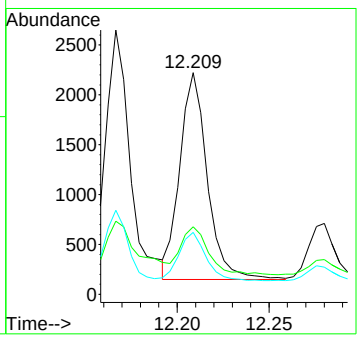


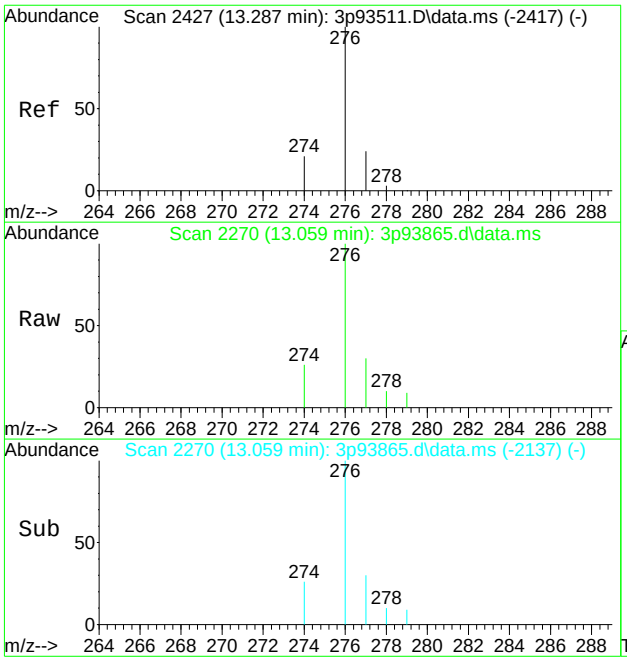


#32
Benzo[a]pyrene
Concen: 35.82 ppb
RT: 12.209 min Scan# 2053
Delta R.T. 0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:252 Resp: 2165

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.4
250	23.8	0.0	53.1

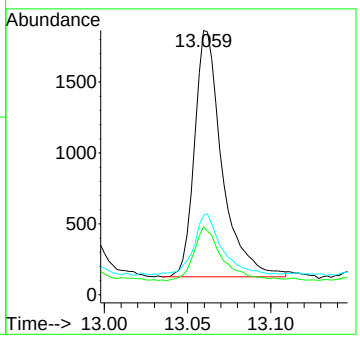


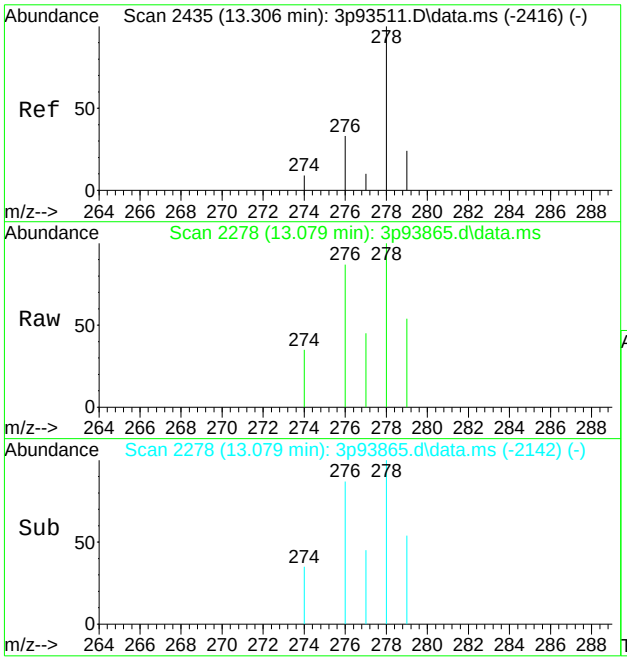


#33
Indeno[1,2,3-cd]pyrene
Concen: 30.37 ppb
RT: 13.059 min Scan# 2270
Delta R.T. -0.003 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:276 Resp: 2001

Ion	Ratio	Lower	Upper
276	100		
274	21.6	0.0	50.4
277	23.6	0.0	53.7

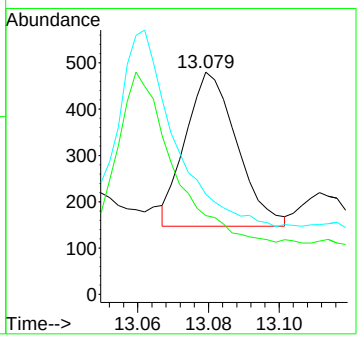


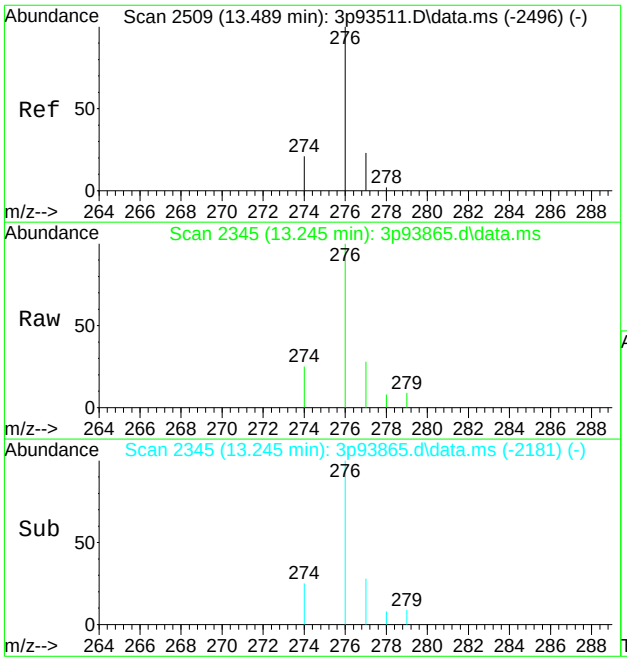


#34
Dibenz[a,h]anthracene
Concen: 6.14 ppb m
RT: 13.079 min Scan# 2278
Delta R.T. -0.003 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:278 Resp: 335

Ion	Ratio	Lower	Upper
278	100		
274	35.4	0.0	39.1
277	45.0	0.0	39.3#

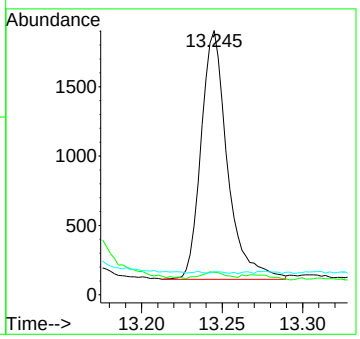




#35
Benzo[g,h,i]perylene
Concen: 34.46 ppb
RT: 13.245 min Scan# 2345
Delta R.T. -0.000 min
Lab File: 3p93865.d
Acq: 13 Jul 2021 4:33 am

Tgt Ion:276 Resp: 2031

Ion	Ratio	Lower	Upper
276	100		
278	2.1	0.0	32.8
279	0.1	0.0	30.4



Manual Integration Approval Summary

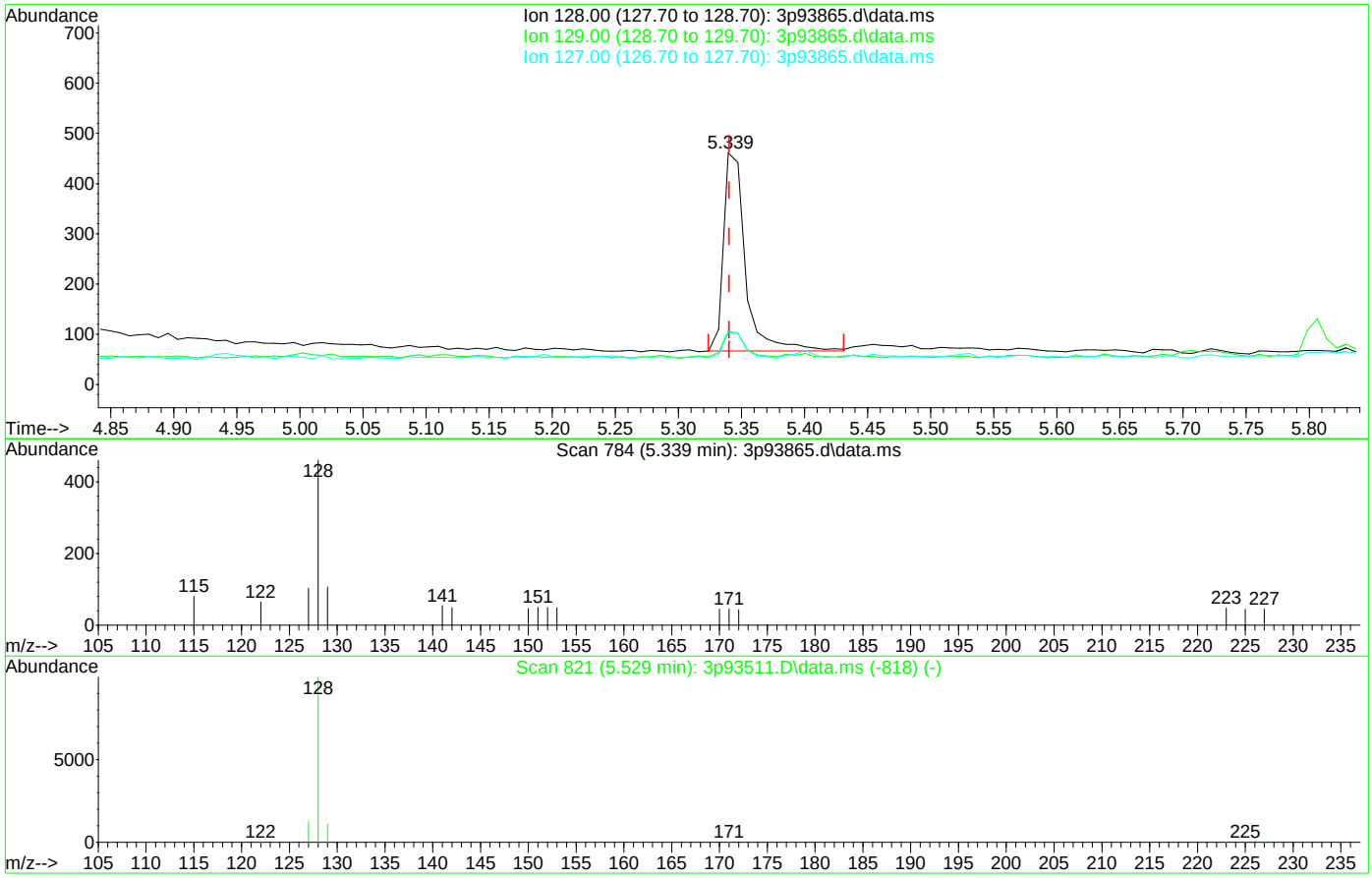
Sample Number: JD27982-4
Lab FileID: 3P93865.D
Injection Time: 07/13/21 04:33
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 06:25 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		5.34	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		13.08	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93865.d
Acq On : 13 Jul 2021 4:33 am
Operator : chriss2
Sample : jd27982-4 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:12:09 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93865.d\data.ms

(8) Naphthalene (t)

5.339min (-0.001) 7.25ppb

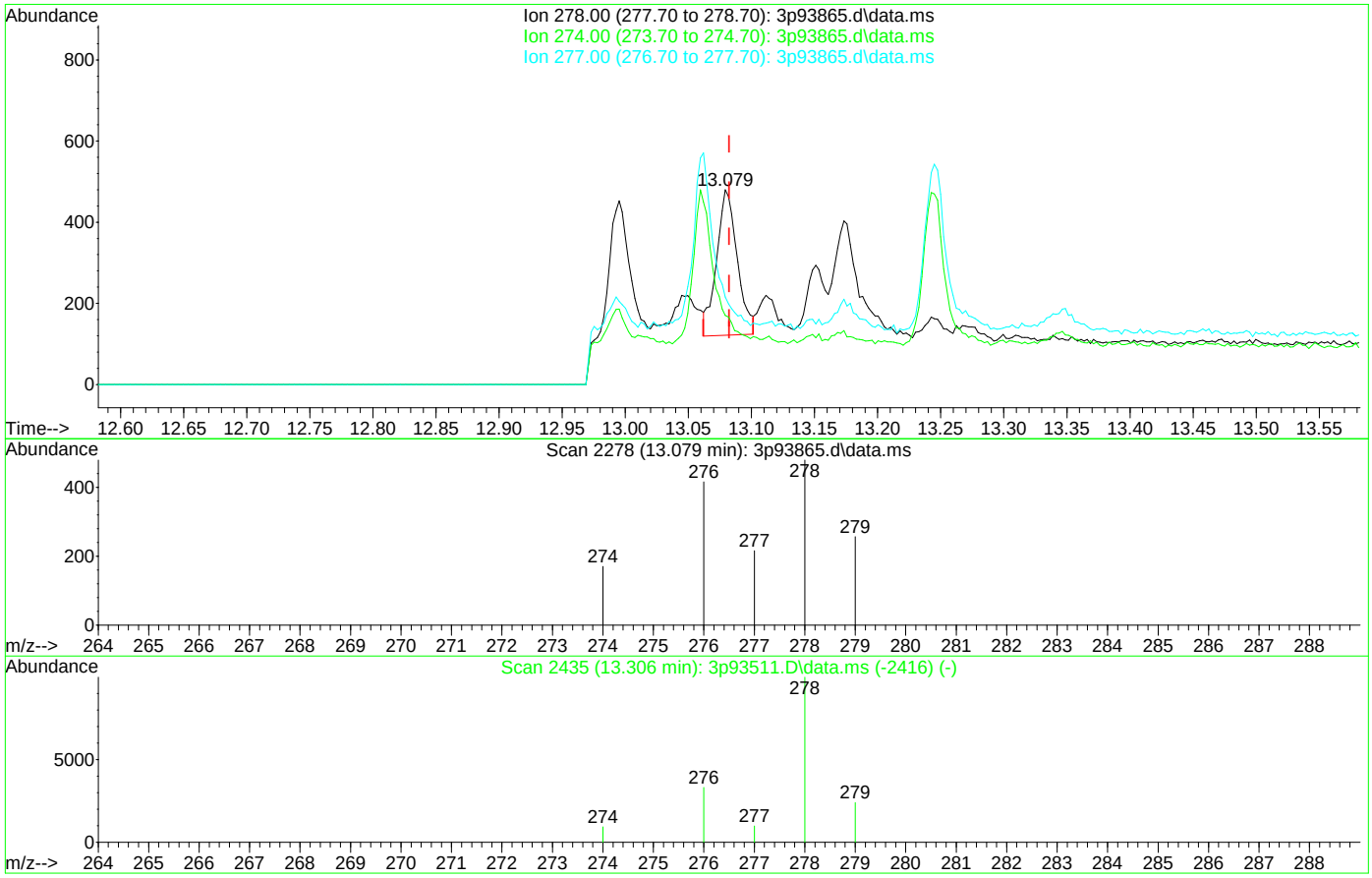
response 478

Ion	Exp%	Act%
128.00	100	100
129.00	11.40	12.74
127.00	12.20	12.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93865.d
Acq On : 13 Jul 2021 4:33 am
Operator : chriss2
Sample : jd27982-4 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:12:09 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93865.d\data.ms

(34) Dibenz[a,h]anthracene (t)

13.079min (-0.003) 7.48ppb

response 408

Ion	Exp%	Act%
278.00	100	100
274.00	9.10	0.00
277.00	9.30	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93866.d
Acq On : 13 Jul 2021 4:51 am
Operator : chriss2
Sample : jd27982-5 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:20:21 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

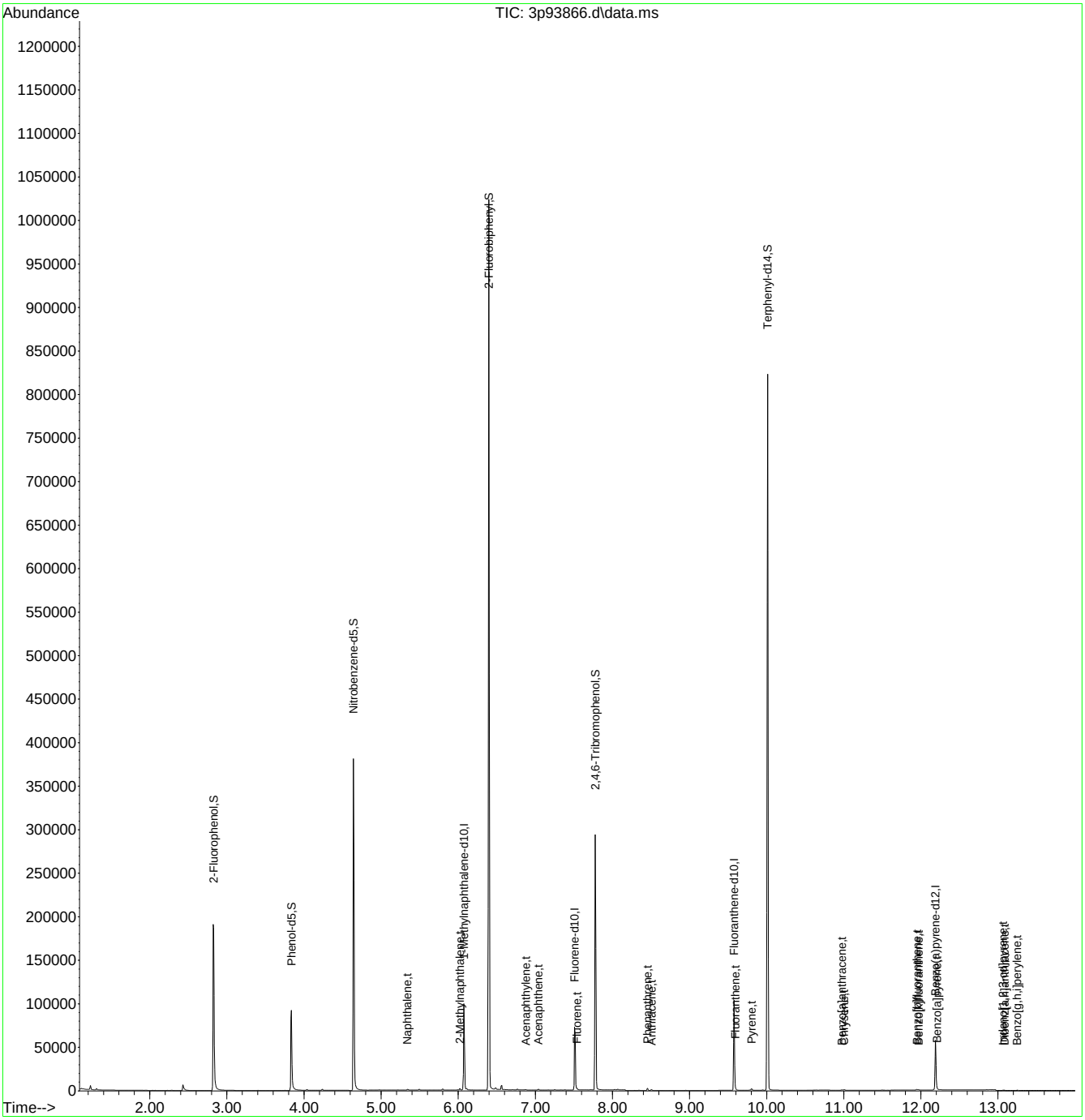
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	25590	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	38515	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	68458	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	37287	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	95071	4894.01	ppb	0.01
Spiked Amount 50.000			Recovery	= 9788.02%		
4) Phenol-d5	3.836	99	88011	3337.39	ppb	0.01
Spiked Amount 50.000			Recovery	= 6674.78%		
7) Nitrobenzene-d5	4.641	82	225633	8668.84	ppb	0.00
Spiked Amount 50.000			Recovery	= 17337.68%		
13) 2-Fluorobiphenyl	6.396	172	462437	8581.63	ppb	0.00
Spiked Amount 50.000			Recovery	= 17163.26%		
18) 2,4,6-Tribromophenol	7.776	330	101083	10267.59	ppb	0.00
Spiked Amount 50.000			Recovery	= 20535.18%		
26) Terphenyl-d14	10.011	244	518920	8530.86	ppb	0.00
Spiked Amount 50.000			Recovery	= 17061.72%		
Target Compounds						Qvalue
8) Naphthalene	5.339	128	706	8.93	ppb	99
10) 2-Methylnaphthalene	6.021	141	594	13.07	ppb	90
14) Acenaphthylene	6.878	152	179	2.27	ppb	98
15) Acenaphthene	7.039	153	296	5.39	ppb	90
17) Fluorene	7.541	166	672	10.37	ppb	94
22) Phenanthrene	8.455	178	1792	19.47	ppb	98
23) Anthracene	8.506	178	752	8.77	ppb	99
24) Fluoranthene	9.591	202	1611	14.73	ppb	98
25) Pyrene	9.803	202	1227	11.03	ppb	98
27) Benzo[a]anthracene	10.974	228	344	3.97	ppb	96
28) Chrysene	11.004	228	548	5.63	ppb	95
30) Benzo[b]fluoranthene	11.948	252	617	8.96	ppb	98
31) Benzo[k]fluoranthene	11.969	252	288	4.11	ppb	93
32) Benzo[a]pyrene	12.209	252	295	4.23	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.064	276	267	3.51	ppb	95
34) Dibenz[a,h]anthracene	13.084	278	85	1.35	ppb	75
35) Benzo[g,h,i]perylene	13.247	276	253	3.72	ppb	94

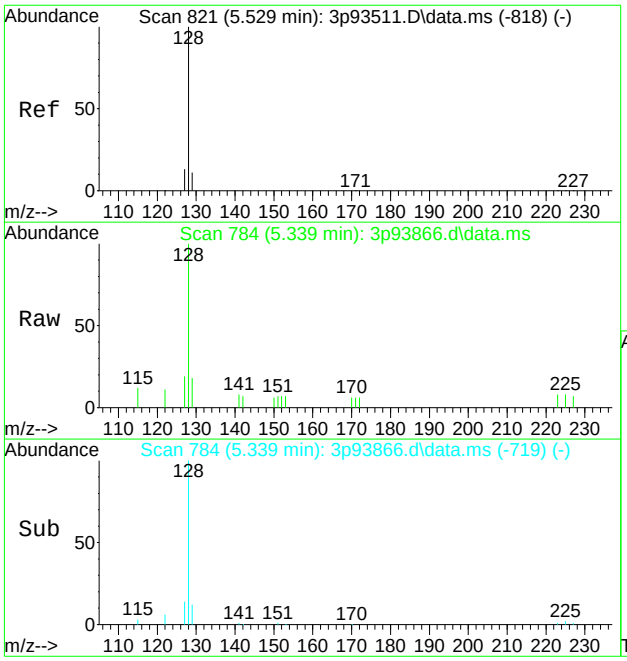
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93866.d
Acq On : 13 Jul 2021 4:51 am
Operator : chriss2
Sample : jd27982-5 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:20:21 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

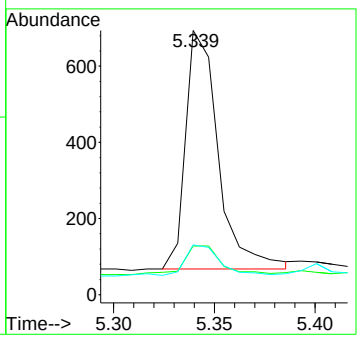


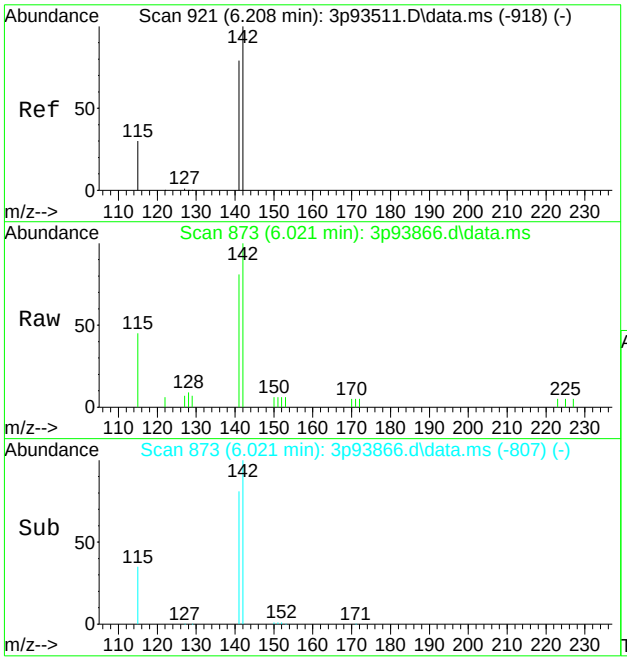


#8
Naphthalene
Concen: 8.93 ppb
RT: 5.339 min Scan# 784
Delta R.T. -0.001 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:128 Resp: 706

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	41.4
127	12.7	0.0	42.2

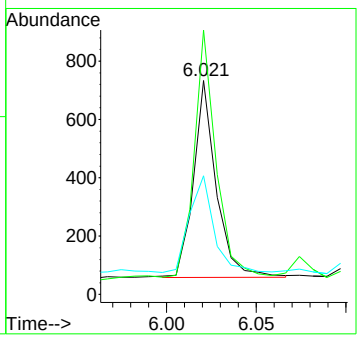


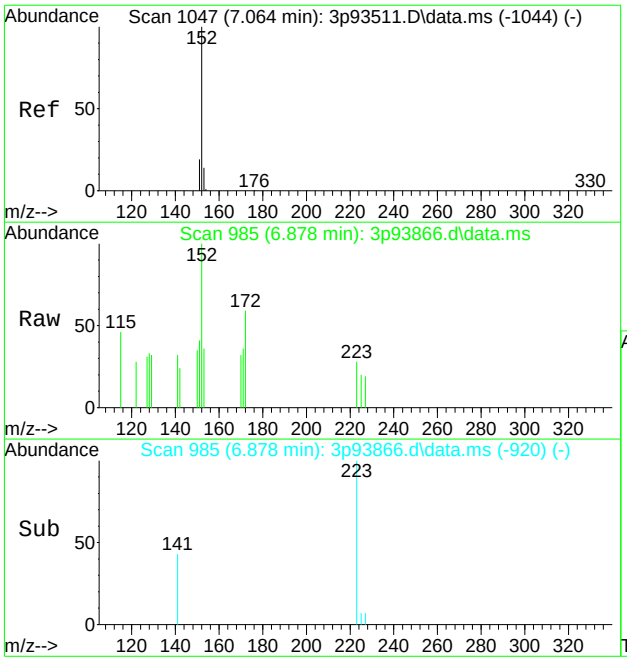


#10
2-Methylnaphthalene
Concen: 13.07 ppb
RT: 6.021 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:141 Resp: 594

Ion	Ratio	Lower	Upper
141	100		
142	125.5	87.0	147.0
115	49.1	29.3	89.3

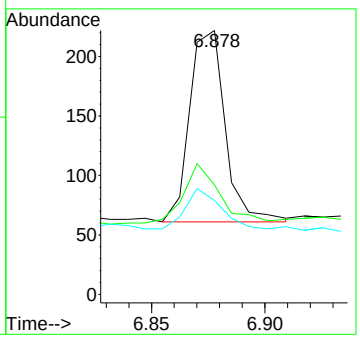


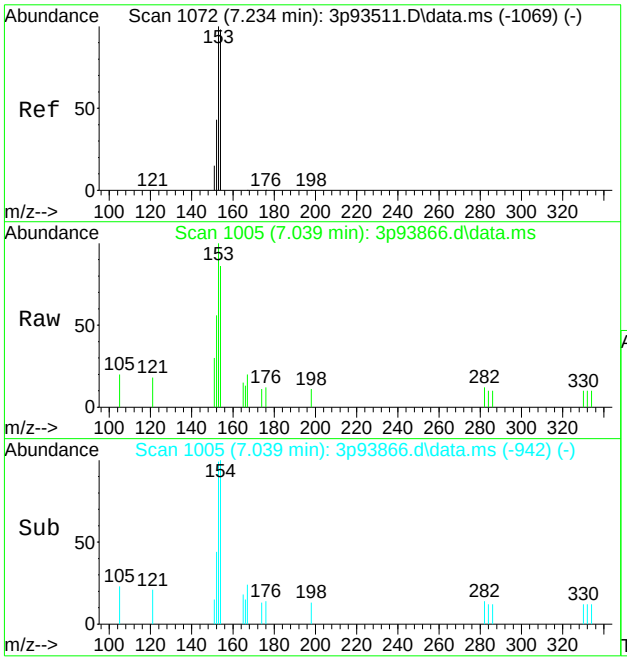


#14
Acenaphthylene
Concen: 2.27 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:152 Resp: 179

Ion	Ratio	Lower	Upper
152	100		
151	18.2	0.0	49.2
153	14.4	0.0	43.9

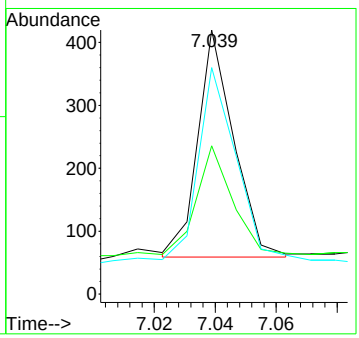


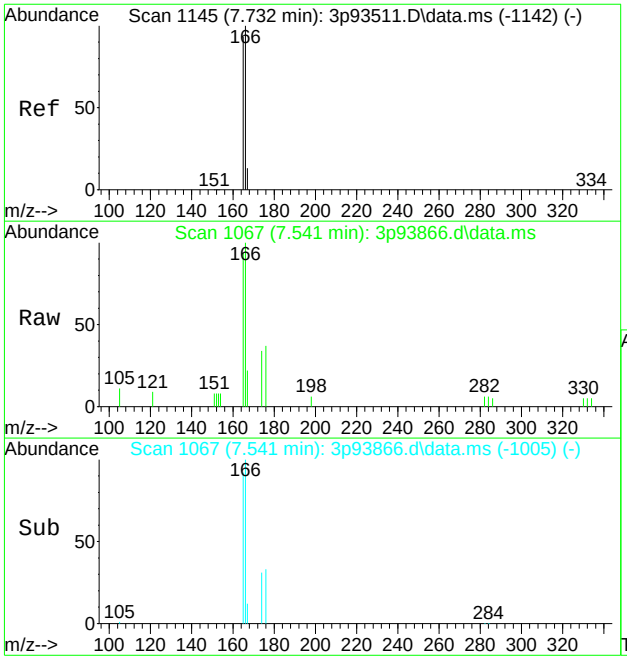


#15
Acenaphthene
Concen: 5.39 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:153 Resp: 296

Ion	Ratio	Lower	Upper
153	100		
152	48.5	13.3	73.3
154	84.9	66.2	126.2

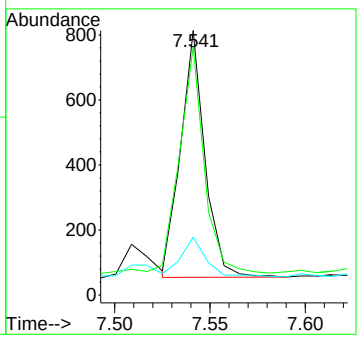


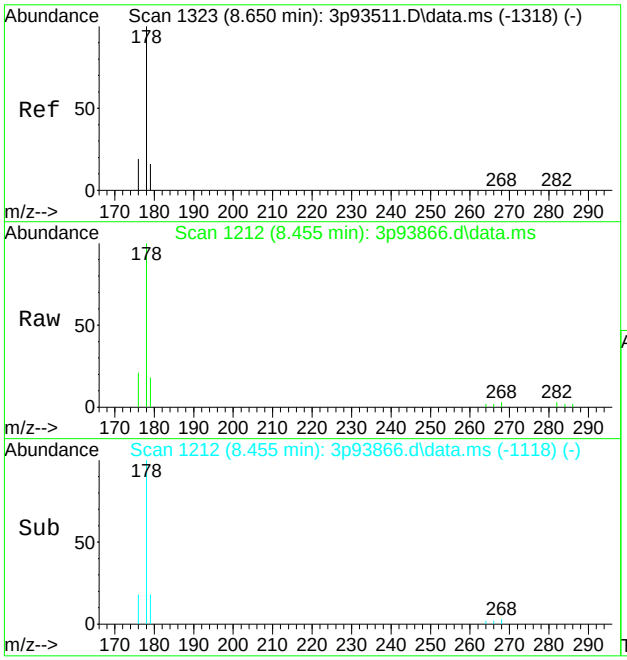


#17
Fluorene
Concen: 10.37 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:166 Resp: 672

Ion	Ratio	Lower	Upper
166	100		
165	91.2	66.9	126.9
167	15.5	0.0	42.8

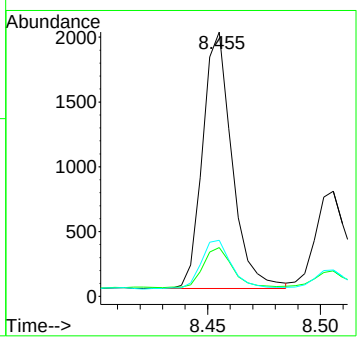


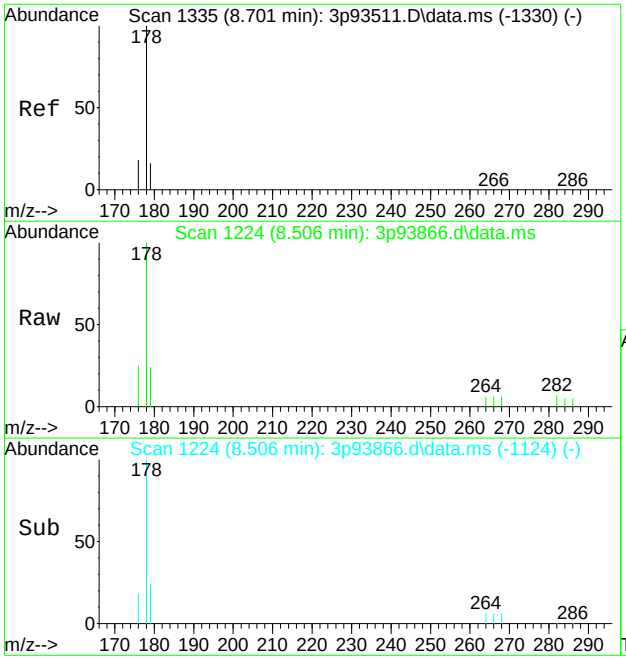


#22
Phenanthrene
Concen: 19.47 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:178 Resp: 1792

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	44.9
176	18.8	0.0	49.8

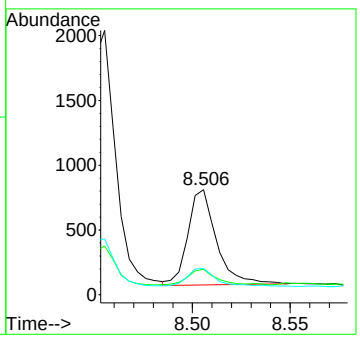


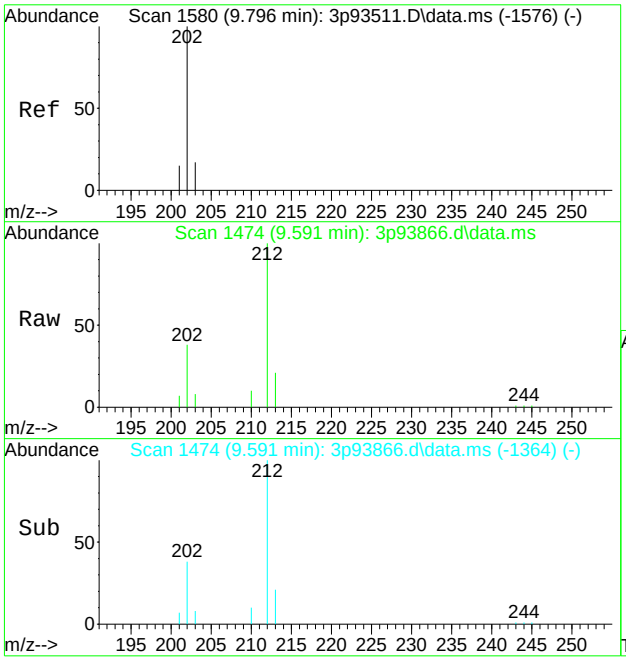


#23
Anthracene
Concen: 8.77 ppb
RT: 8.506 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:178 Resp: 752

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.0
176	18.7	0.0	48.7

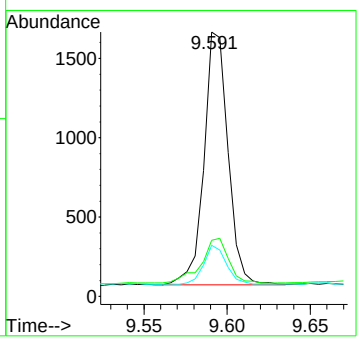


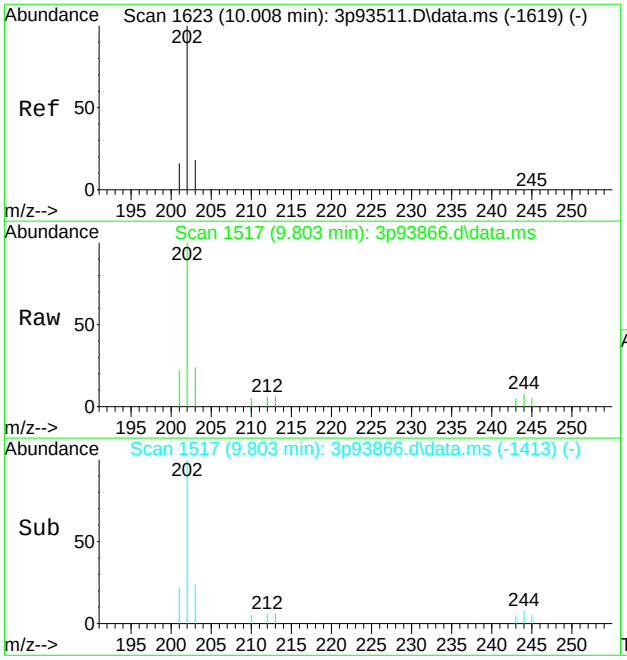


#24
Fluoranthene
Concen: 14.73 ppb
RT: 9.591 min Scan# 1474
Delta R.T. -0.005 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:202 Resp: 1611

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	47.5
201	15.3	0.0	44.2

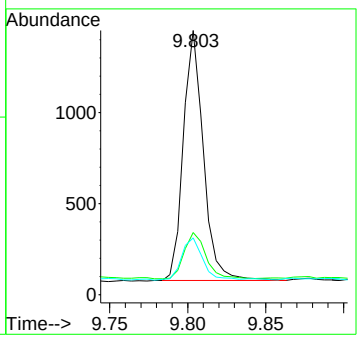


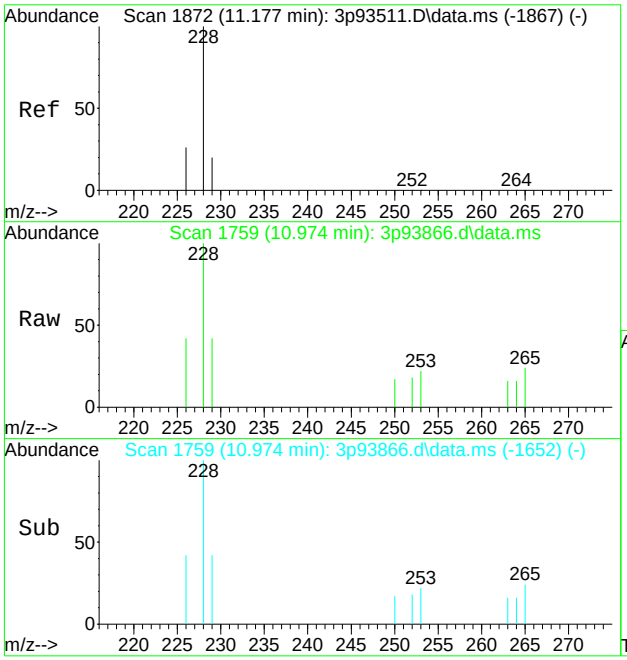


#25
Pyrene
Concen: 11.03 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:202 Resp: 1227

Ion	Ratio	Lower	Upper
202	100		
203	18.5	0.0	47.3
201	16.4	0.0	46.8

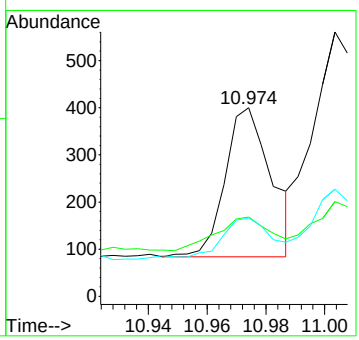


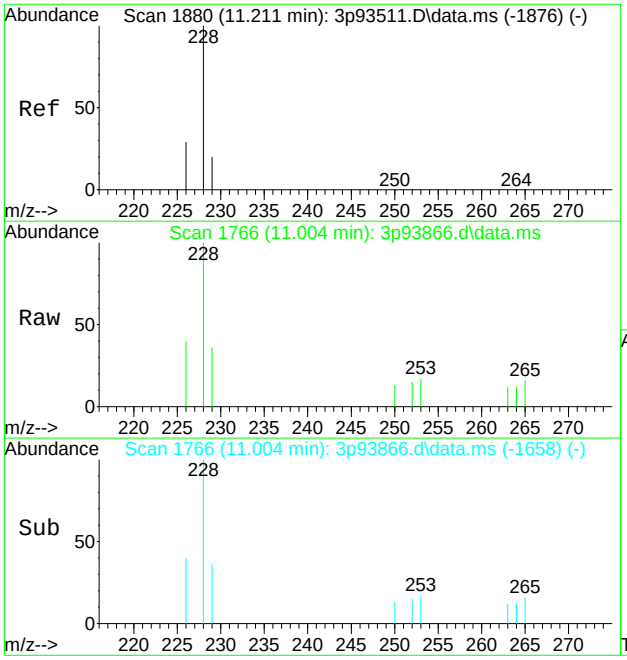


#27
Benzo[a]anthracene
Concen: 3.97 ppb
RT: 10.974 min Scan# 1759
Delta R.T. 0.005 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:228 Resp: 344

Ion	Ratio	Lower	Upper
228	100		
229	23.5	0.0	49.5
226	26.6	0.0	56.2

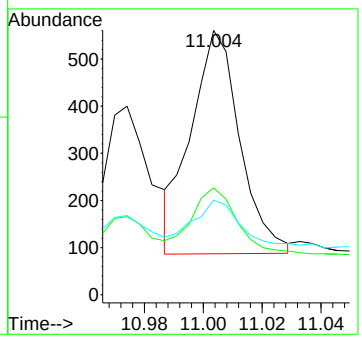


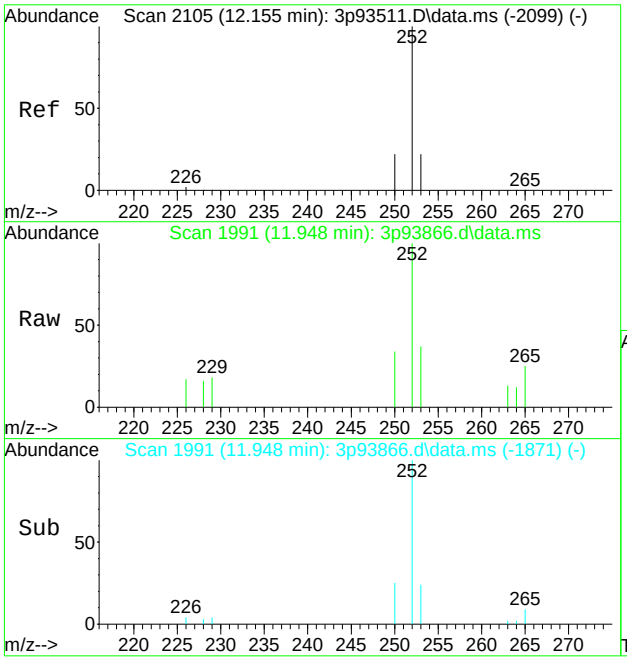


#28
Chrysene
Concen: 5.63 ppb
RT: 11.004 min Scan# 1766
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:228 Resp: 548

Ion	Ratio	Lower	Upper
228	100		
226	31.1	0.0	58.3
229	21.6	0.0	49.7

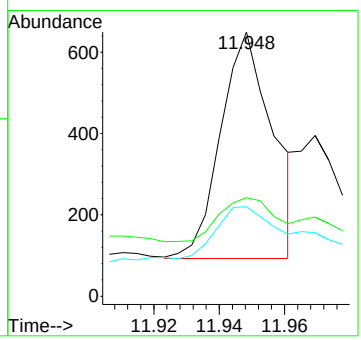


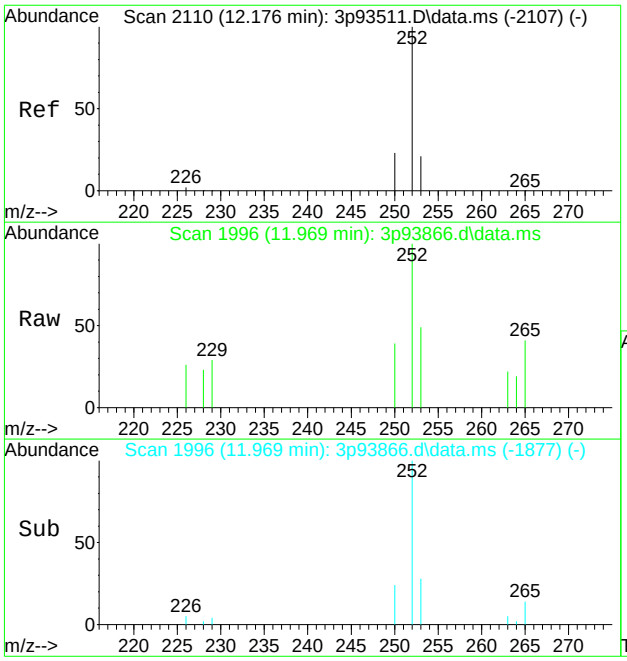


#30
Benzo[b]fluoranthene
Concen: 8.96 ppb
RT: 11.948 min Scan# 1991
Delta R.T. 0.004 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:252 Resp: 617

Ion	Ratio	Lower	Upper
252	100		
253	20.2	0.0	51.9
250	22.6	0.0	53.0

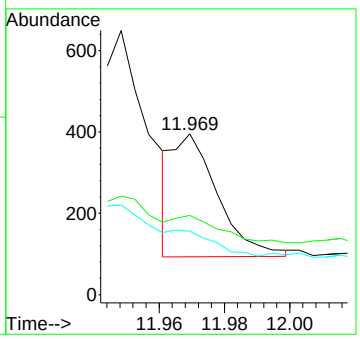


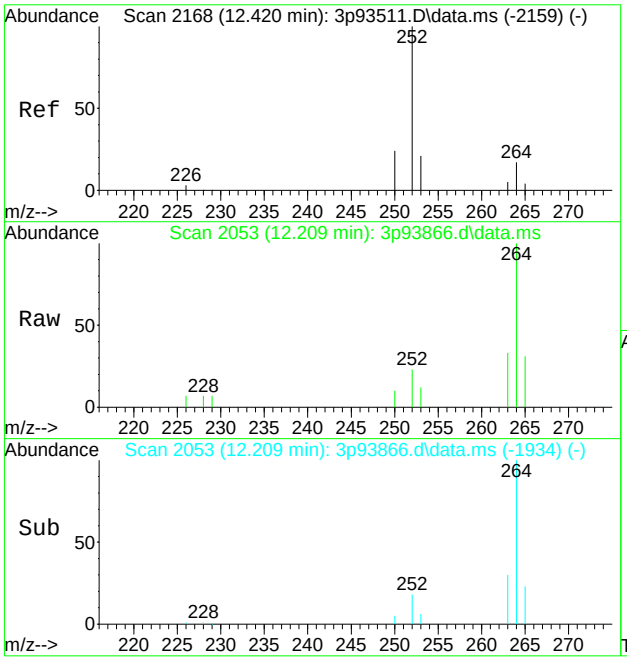


#31
Benzo[k]fluoranthene
Concen: 4.11 ppb
RT: 11.969 min Scan# 1996
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:252 Resp: 288

Ion	Ratio	Lower	Upper
252	100		
253	25.7	0.0	51.9
250	18.7	0.0	51.6

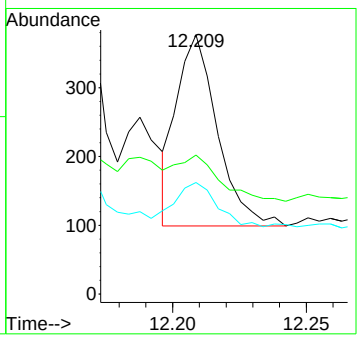


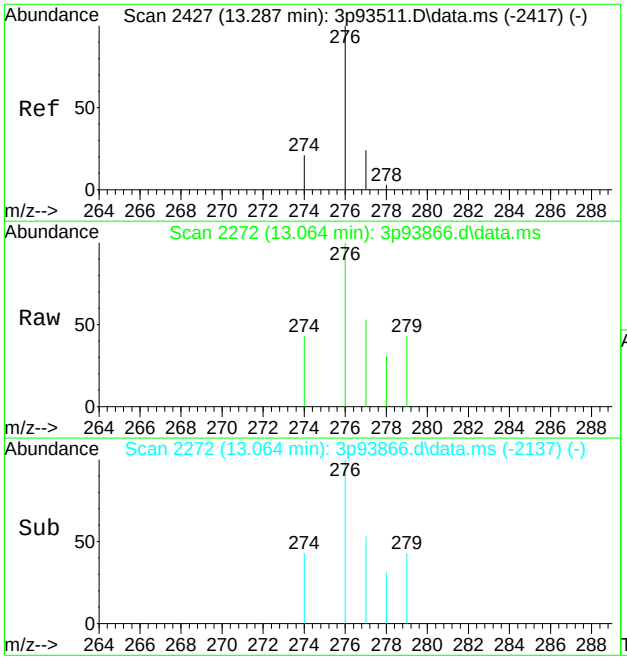


#32
Benzo[a]pyrene
Concen: 4.23 ppb
RT: 12.209 min Scan# 2053
Delta R.T. 0.000 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:252 Resp: 295

Ion	Ratio	Lower	Upper
252	100		
253	19.9	0.0	51.4
250	22.8	0.0	53.1

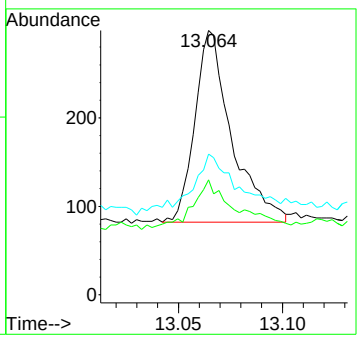


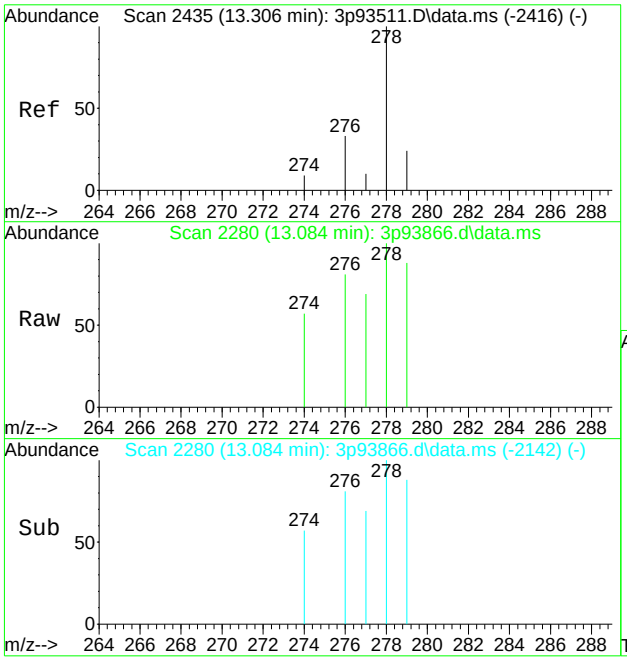


#33
Indeno[1,2,3-cd]pyrene
Concen: 3.51 ppb
RT: 13.064 min Scan# 2272
Delta R.T. 0.002 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:276 Resp: 267

Ion	Ratio	Lower	Upper
276	100		
274	23.3	0.0	50.4
277	25.9	0.0	53.7

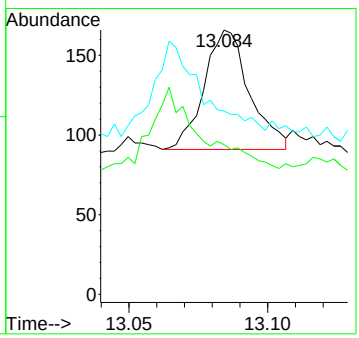


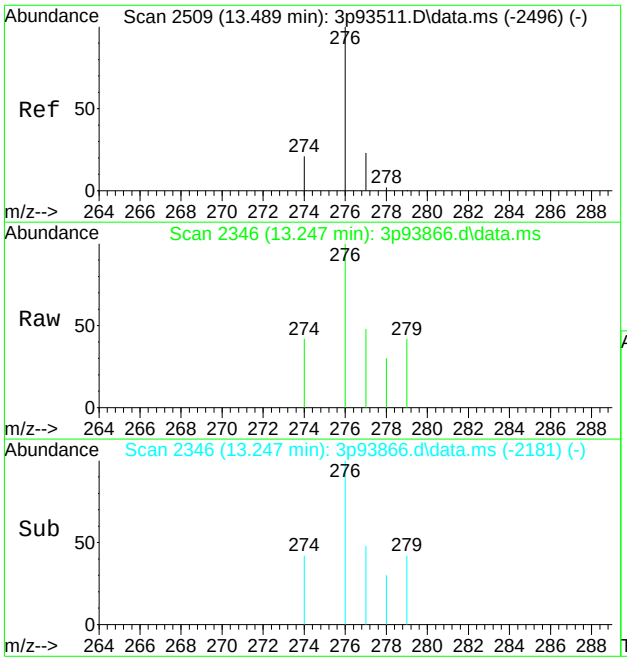


#34
Dibenz[a,h]anthracene
Concen: 1.35 ppb
RT: 13.084 min Scan# 2280
Delta R.T. 0.002 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:278 Resp: 85

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	39.1
277	0.0	0.0	39.3

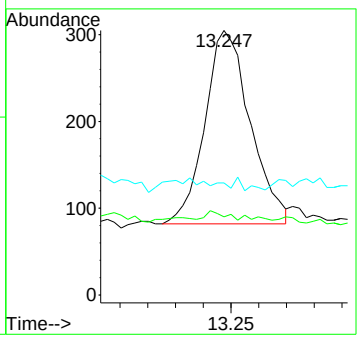




#35
Benzo[g,h,i]perylene
Concen: 3.72 ppb
RT: 13.247 min Scan# 2346
Delta R.T. 0.002 min
Lab File: 3p93866.d
Acq: 13 Jul 2021 4:51 am

Tgt Ion:276 Resp: 253

Ion	Ratio	Lower	Upper
276	100		
278	0.7	0.0	32.8
279	0.0	0.0	30.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93867.d
Acq On : 13 Jul 2021 5:10 am
Operator : chriss2
Sample : jd27982-6 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:21:39 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

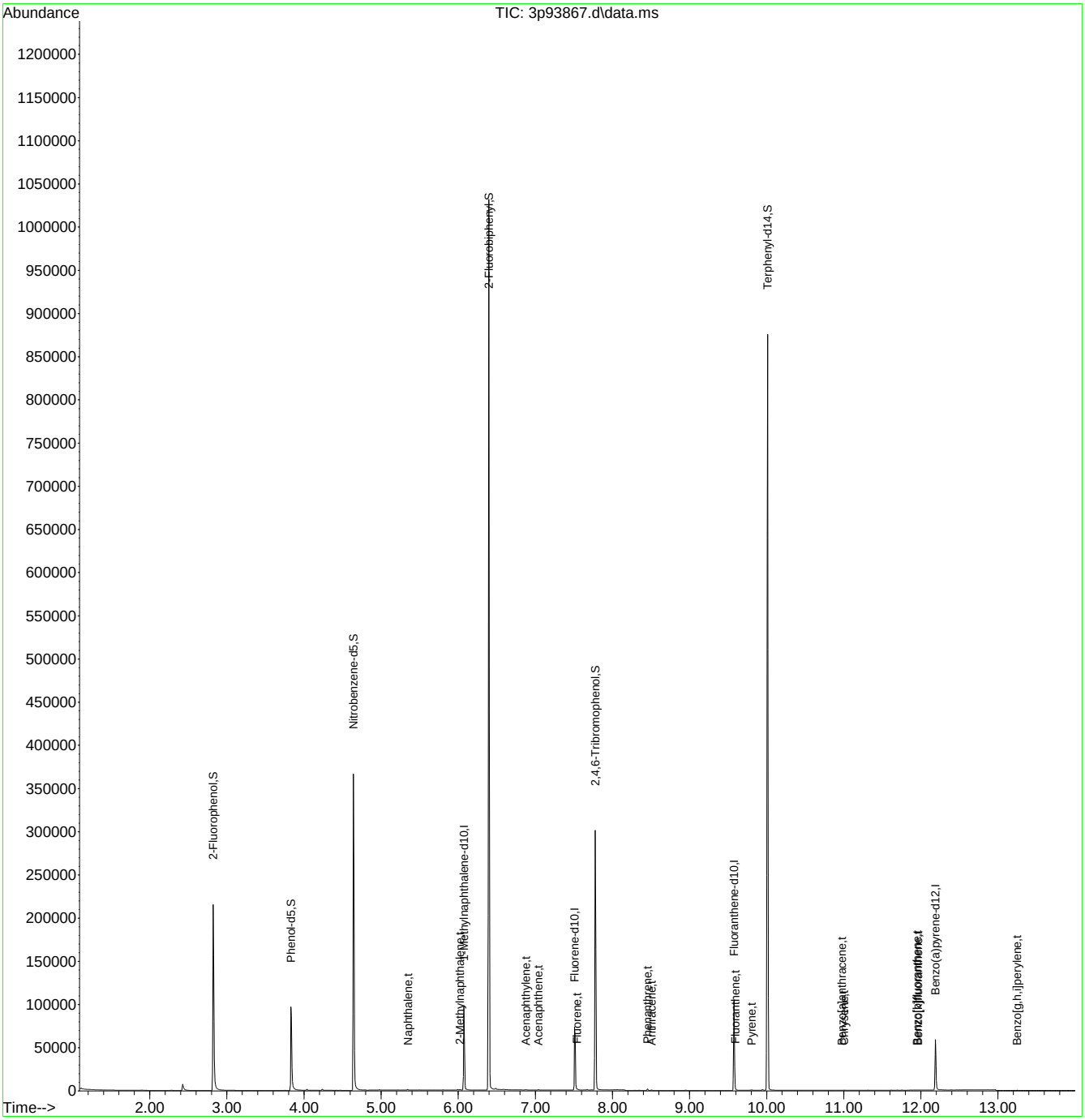
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	25145	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	37914	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	68641	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	37721	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.823	112	98803	5176.13	ppb	0.00
Spiked Amount 50.000			Recovery	= 10352.26%		
4) Phenol-d5	3.830	99	92227	3559.15	ppb	0.00
Spiked Amount 50.000			Recovery	= 7118.30%		
7) Nitrobenzene-d5	4.641	82	216220	8454.20	ppb	0.00
Spiked Amount 50.000			Recovery	= 16908.40%		
13) 2-Fluorobiphenyl	6.396	172	451210	8506.02	ppb	0.00
Spiked Amount 50.000			Recovery	= 17012.04%		
18) 2,4,6-Tribromophenol	7.776	330	101799	10504.23	ppb	0.00
Spiked Amount 50.000			Recovery	= 21008.46%		
26) Terphenyl-d14	10.011	244	525171	8610.61	ppb	0.00
Spiked Amount 50.000			Recovery	= 17221.22%		
Target Compounds						Qvalue
8) Naphthalene	5.347	128	608	7.83	ppb	99
10) 2-Methylnaphthalene	6.021	141	290	6.49	ppb	93
14) Acenaphthylene	6.878	152	95	1.23	ppb	81
15) Acenaphthene	7.039	153	155	2.87	ppb	93
17) Fluorene	7.541	166	359	5.63	ppb	99
22) Phenanthrene	8.455	178	1305	14.14	ppb	98
23) Anthracene	8.506	178	503	5.85	ppb	97
24) Fluoranthene	9.596	202	552	5.03	ppb	92
25) Pyrene	9.803	202	418	3.75	ppb	98
27) Benzo[a]anthracene	10.974	228	89	1.02	ppb	90
28) Chrysene	11.004	228	143	1.46	ppb	94
30) Benzo[b]fluoranthene	11.948	252	135	1.94	ppb	97
31) Benzo[k]fluoranthene	11.965	252	95	1.34	ppb	76
35) Benzo[g,h,i]perylene	13.247	276	100	1.45	ppb	94

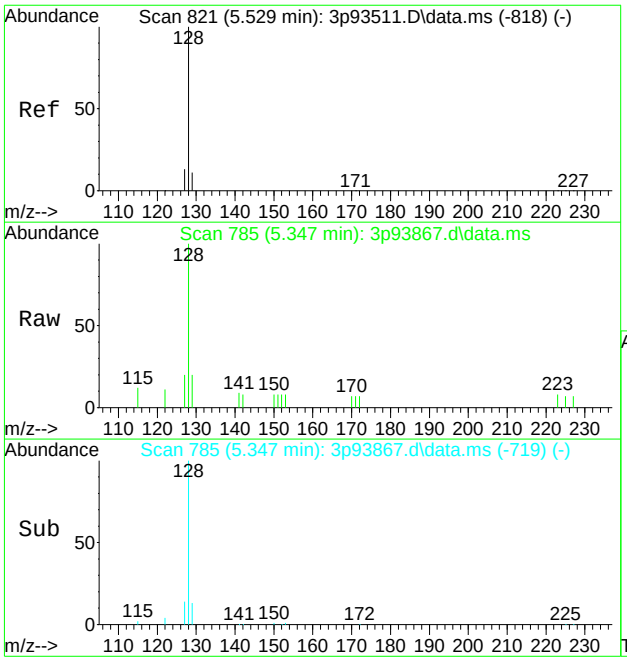
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93867.d
Acq On : 13 Jul 2021 5:10 am
Operator : chriss2
Sample : jd27982-6 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:21:39 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

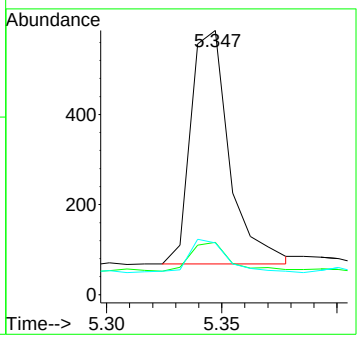


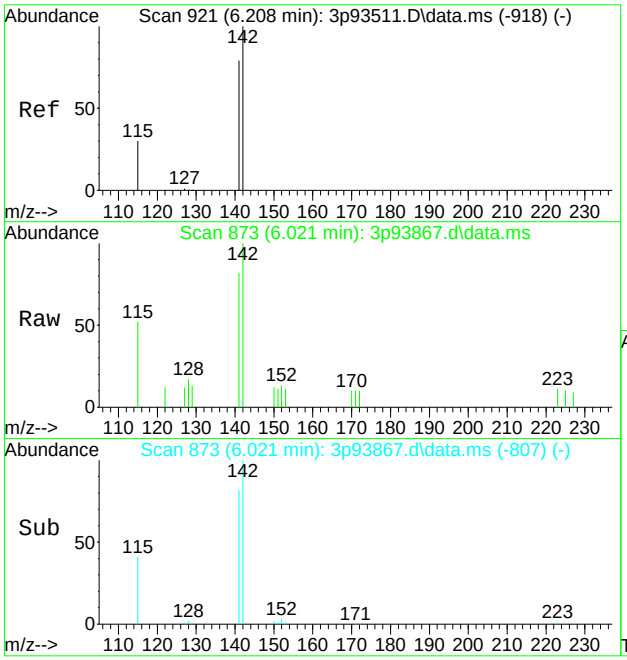


#8
Naphthalene
Concen: 7.83 ppb
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:128 Resp: 608

Ion	Ratio	Lower	Upper
128	100		
129	12.1	0.0	41.4
127	12.3	0.0	42.2

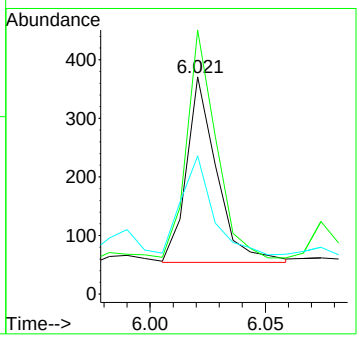


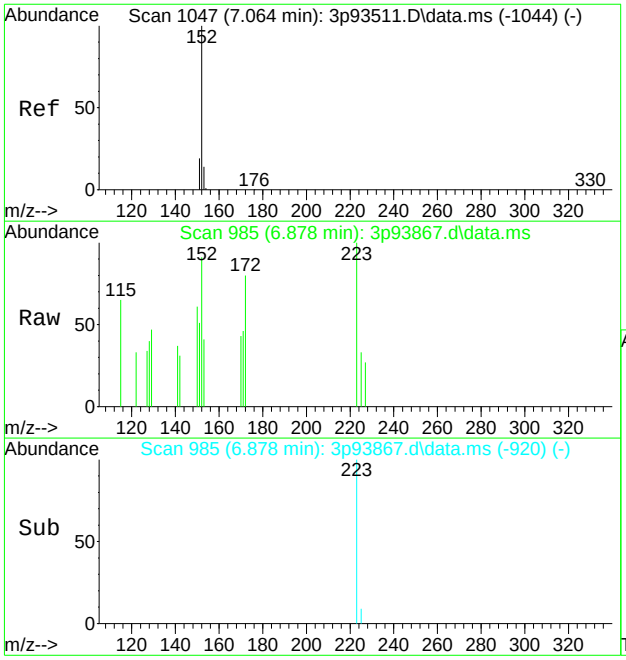


#10
2-Methylnaphthalene
Concen: 6.49 ppb
RT: 6.021 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:141 Resp: 290

Ion	Ratio	Lower	Upper
141	100		
142	124.1	87.0	147.0
115	53.4	29.3	89.3

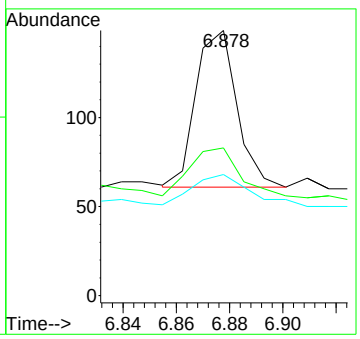


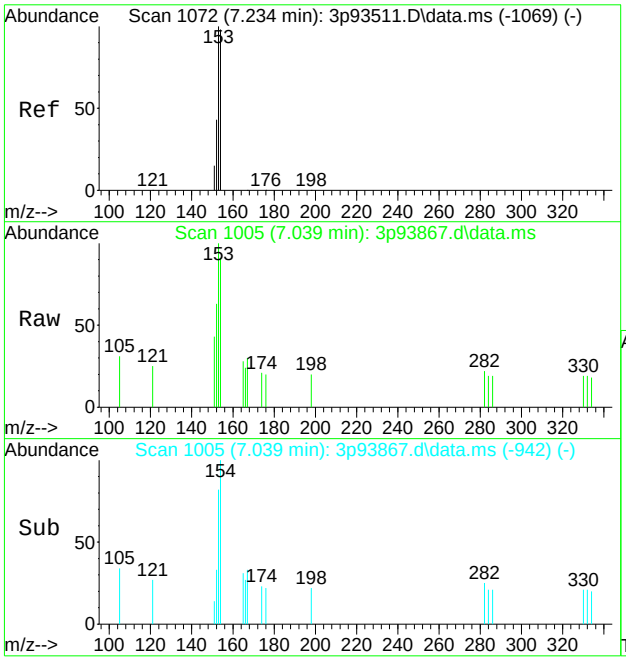


#14
Acenaphthylene
Concen: 1.23 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:152 Resp: 95

Ion	Ratio	Lower	Upper
152	100		
151	30.9	0.0	49.2
153	17.7	0.0	43.9

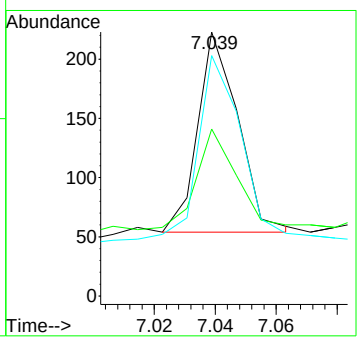


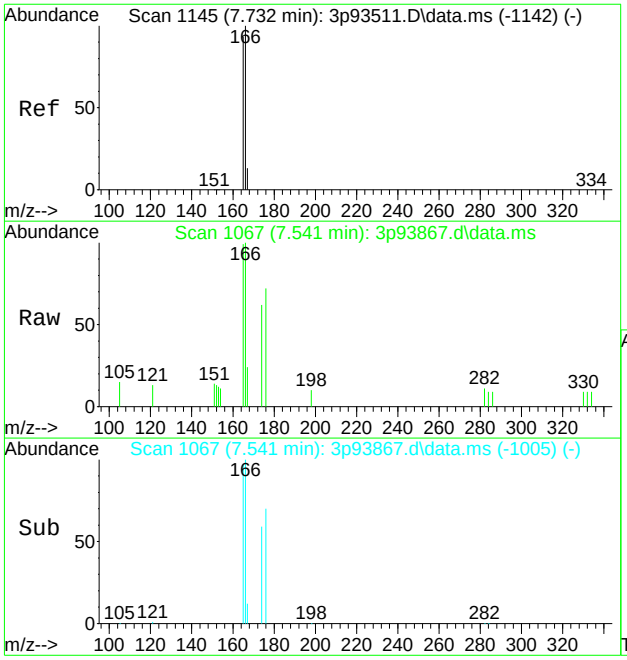


#15
Acenaphthene
Concen: 2.87 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:153 Resp: 155

Ion	Ratio	Lower	Upper
153	100		
152	49.2	13.3	73.3
154	90.4	66.2	126.2

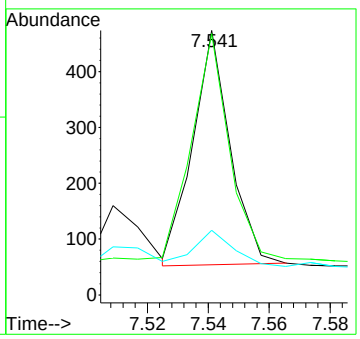


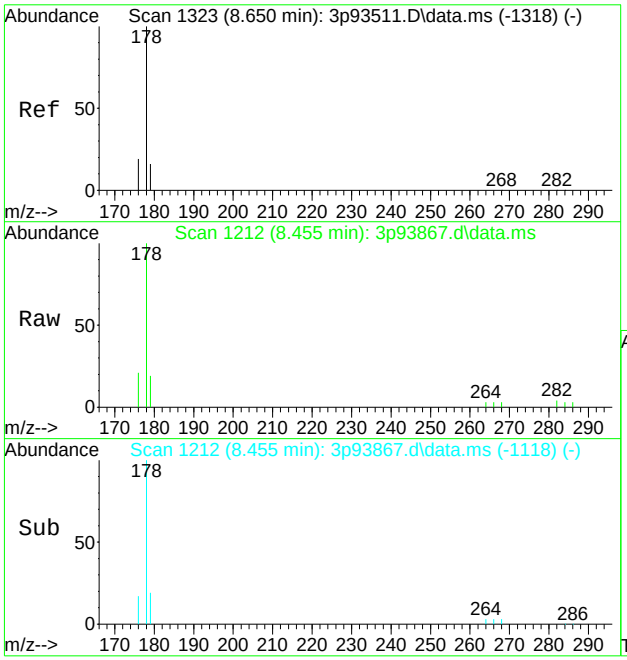


#17
Fluorene
Concen: 5.63 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:166 Resp: 359

Ion	Ratio	Lower	Upper
166	100		
165	97.3	66.9	126.9
167	14.6	0.0	42.8

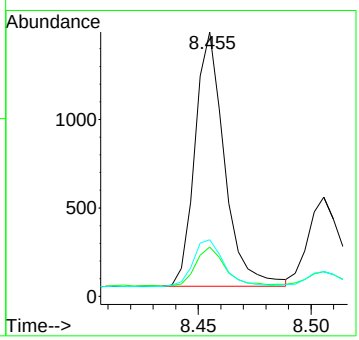


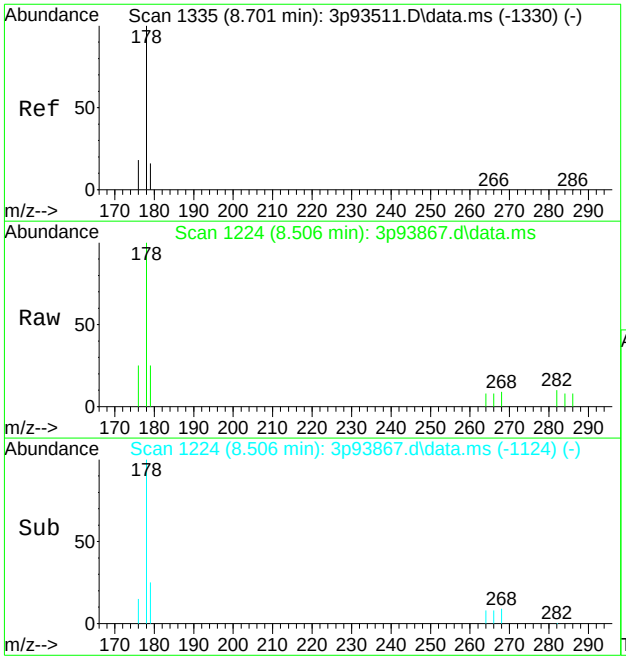


#22
Phenanthrene
Concen: 14.14 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:178 Resp: 1305

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	44.9
176	18.3	0.0	49.8

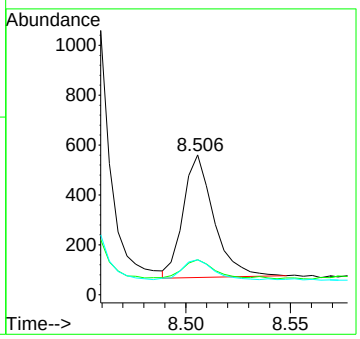


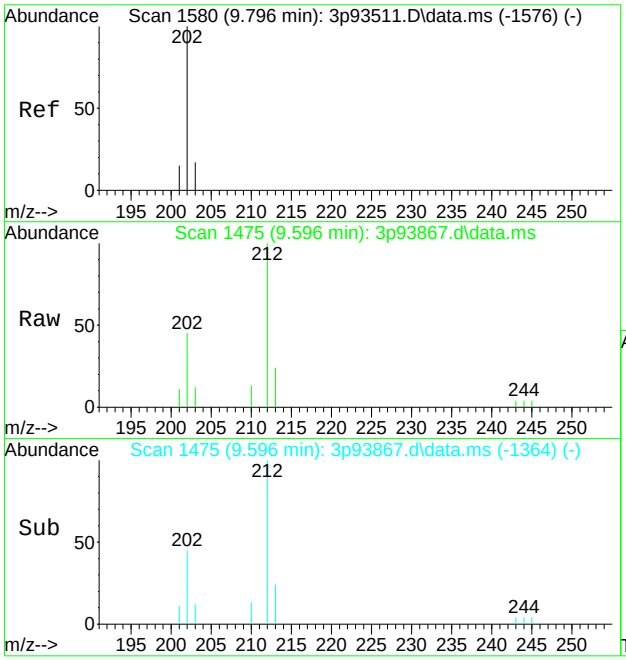


#23
Anthracene
Concen: 5.85 ppb
RT: 8.506 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:178 Resp: 503

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.0
176	16.0	0.0	48.7

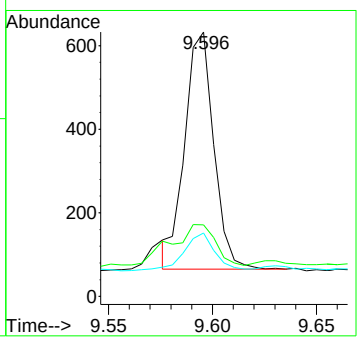


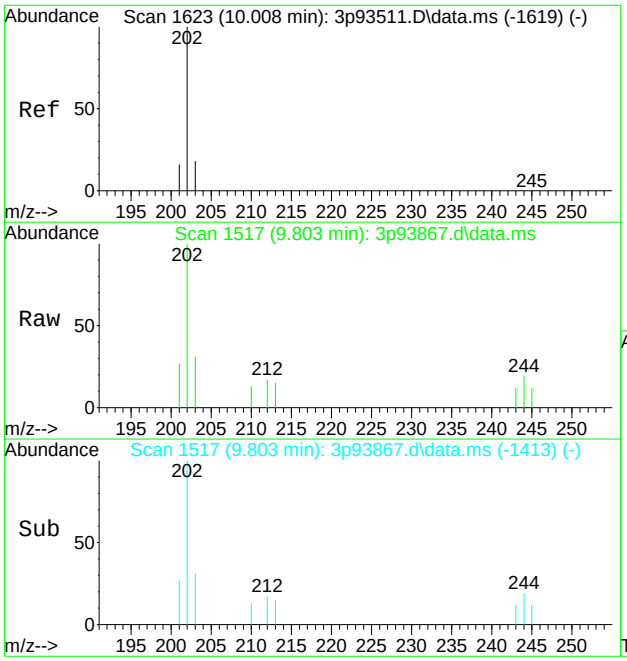


#24
Fluoranthene
Concen: 5.03 ppb
RT: 9.596 min Scan# 1475
Delta R.T. 0.000 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:202 Resp: 552

Ion	Ratio	Lower	Upper
202	100		
203	12.3	0.0	47.5
201	15.3	0.0	44.2

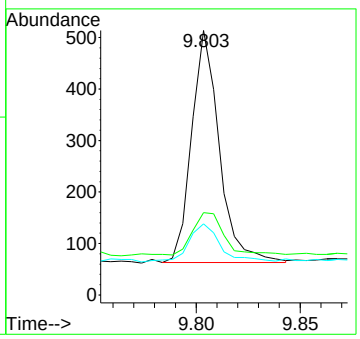


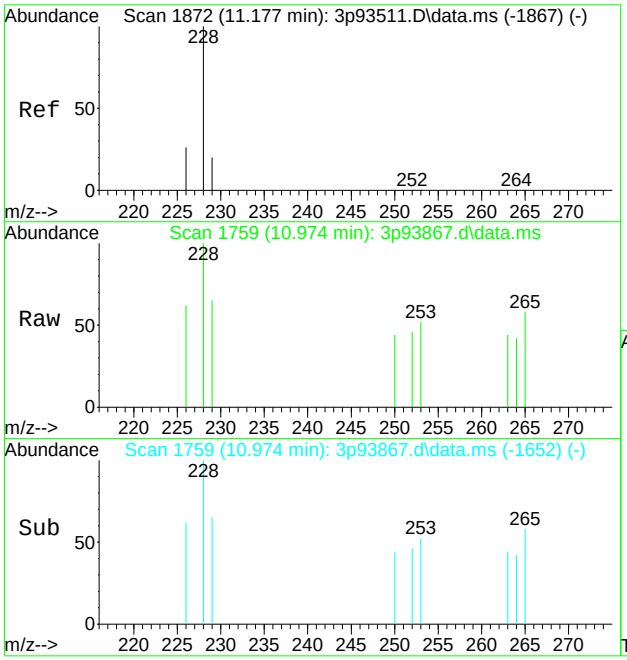


#25
Pyrene
Concen: 3.75 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:202 Resp: 418

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	47.3
201	15.4	0.0	46.8

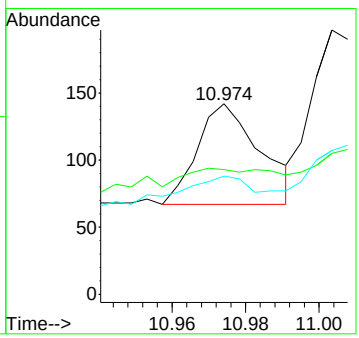


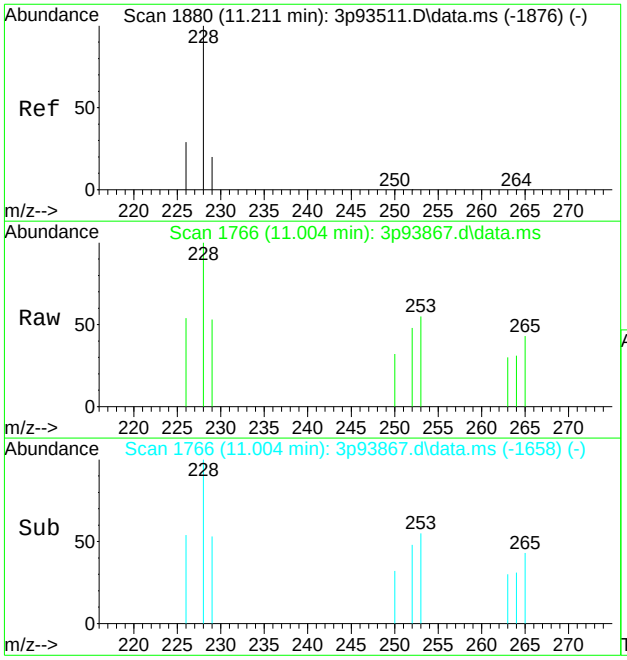


#27
Benzo[a]anthracene
Concen: 1.02 ppb
RT: 10.974 min Scan# 1759
Delta R.T. 0.005 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:228 Resp: 89

Ion	Ratio	Lower	Upper
228	100		
229	14.0	0.0	49.5
226	21.5	0.0	56.2

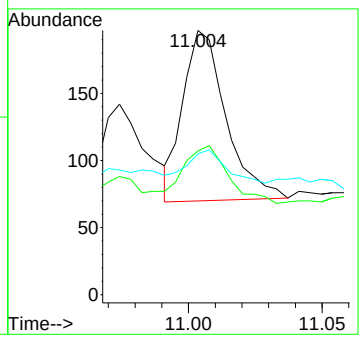


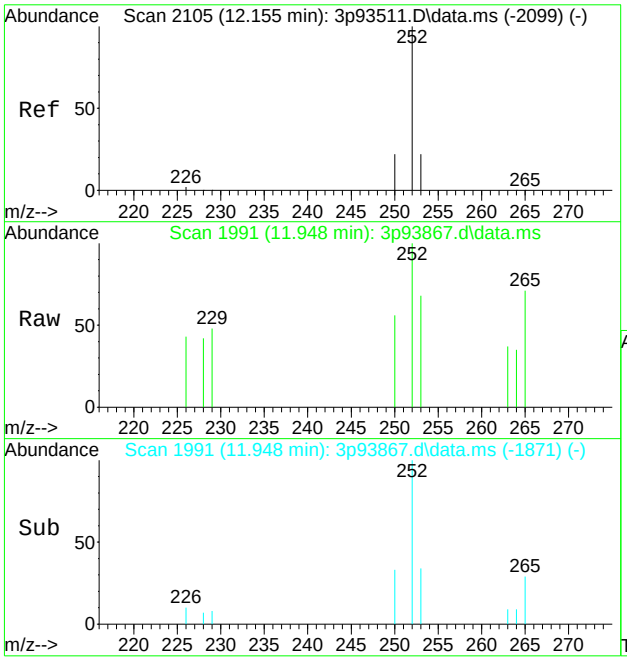


#28
Chrysene
Concen: 1.46 ppb
RT: 11.004 min Scan# 1766
Delta R.T. 0.000 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:228 Resp: 143

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.0	58.3
229	15.5	0.0	49.7

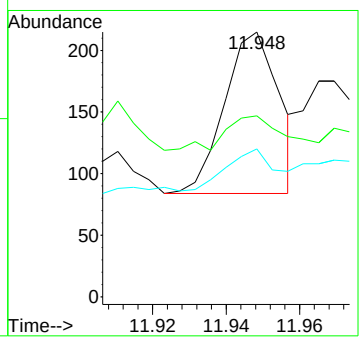


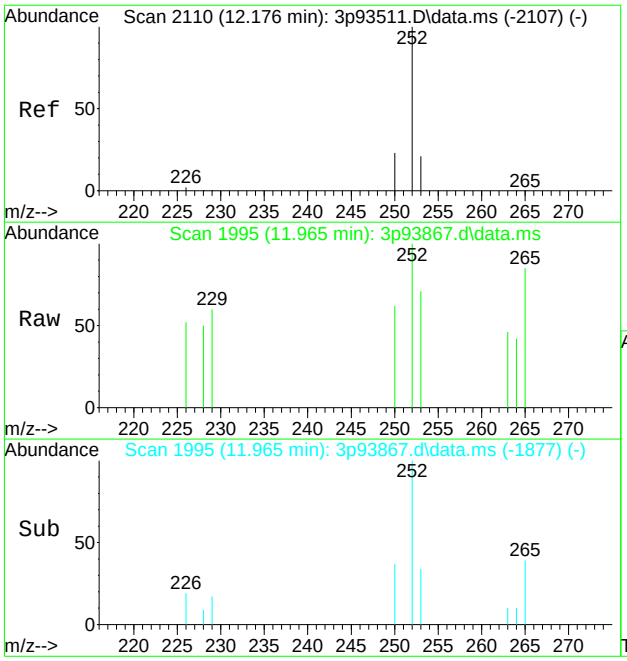


#30
Benzo[b]fluoranthene
Concen: 1.94 ppb
RT: 11.948 min Scan# 1991
Delta R.T. 0.004 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:252 Resp: 135

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	51.9
250	24.7	0.0	53.0

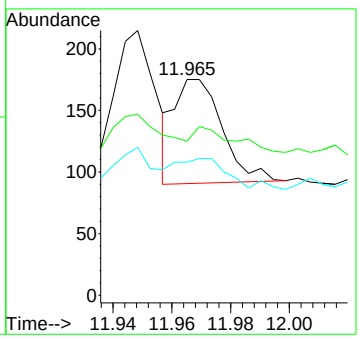


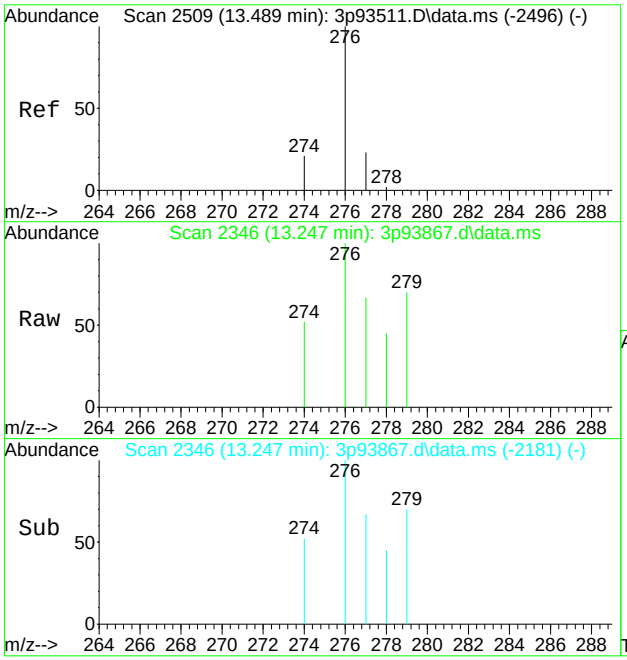


#31
Benzo[k]fluoranthene
Concen: 1.34 ppb
RT: 11.965 min Scan# 1995
Delta R.T. -0.004 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:252 Resp: 95

Ion	Ratio	Lower	Upper
252	100		
253	3.7	0.0	51.9
250	25.7	0.0	51.6

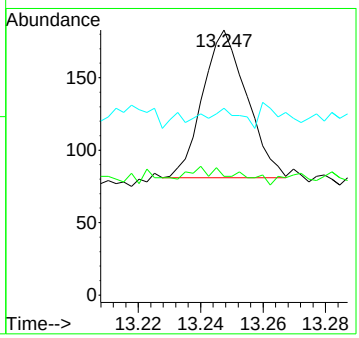




#35
Benzo[g,h,i]perylene
Concen: 1.45 ppb
RT: 13.247 min Scan# 2346
Delta R.T. 0.002 min
Lab File: 3p93867.d
Acq: 13 Jul 2021 5:10 am

Tgt Ion:276 Resp: 100

Ion	Ratio	Lower	Upper
276	100		
278	1.0	0.0	32.8
279	8.4	0.0	30.4



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93868.d
Acq On : 13 Jul 2021 5:28 am
Operator : chriss2
Sample : jd27982-7 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:23:11 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

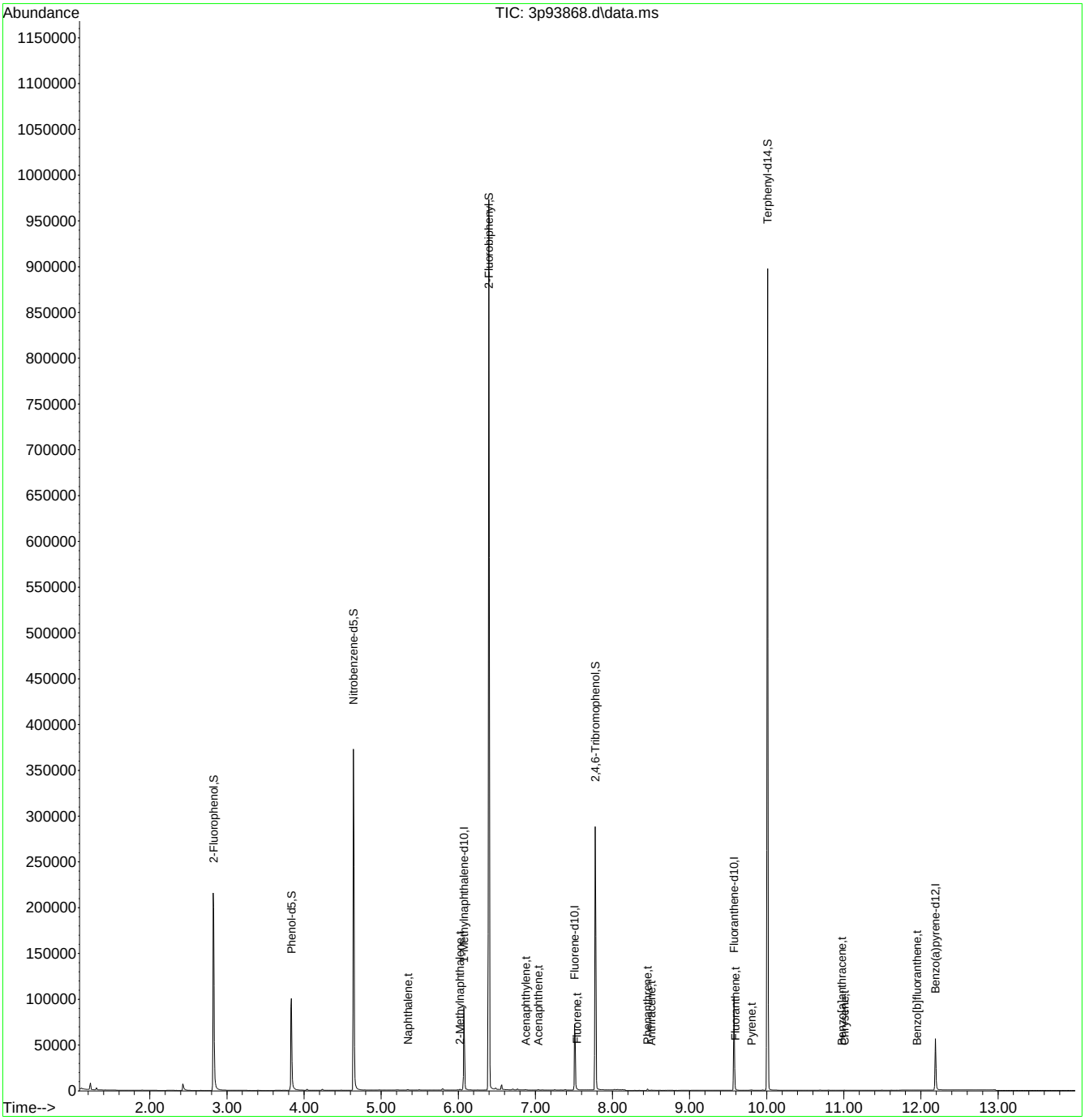
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	23609	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	35810	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	63531	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	35882	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	103504	5775.19	ppb	0.01
Spiked Amount 50.000			Recovery	= 11550.38%		
4) Phenol-d5	3.836	99	95082	3908.06	ppb	0.00
Spiked Amount 50.000			Recovery	= 7816.12%		
7) Nitrobenzene-d5	4.641	82	222912	9282.91	ppb	0.00
Spiked Amount 50.000			Recovery	= 18565.82%		
13) 2-Fluorobiphenyl	6.395	172	468940	9359.66	ppb	0.00
Spiked Amount 50.000			Recovery	= 18719.32%		
18) 2,4,6-Tribromophenol	7.776	330	100271	10954.47	ppb	0.00
Spiked Amount 50.000			Recovery	= 21908.94%		
26) Terphenyl-d14	10.011	244	531376	9413.11	ppb	0.00
Spiked Amount 50.000			Recovery	= 18826.22%		
Target Compounds						Qvalue
8) Naphthalene	5.347	128	524	7.19	ppb	100
10) 2-Methylnaphthalene	6.020	141	326	7.78	ppb	94
14) Acenaphthylene	6.878	152	114	1.56	ppb	93
15) Acenaphthene	7.039	153	170	3.33	ppb	86
17) Fluorene	7.541	166	364	6.04	ppb	98
22) Phenanthrene	8.455	178	1081	12.66	ppb	98
23) Anthracene	8.505	178	366	4.60	ppb	95
24) Fluoranthene	9.591	202	410m	4.04	ppb	
25) Pyrene	9.803	202	280	2.71	ppb	97
27) Benzo[a]anthracene	10.974	228	87	1.08	ppb	87
28) Chrysene	11.008	228	111	1.23	ppb	91
30) Benzo[b]fluoranthene	11.948	252	92	1.39	ppb	71

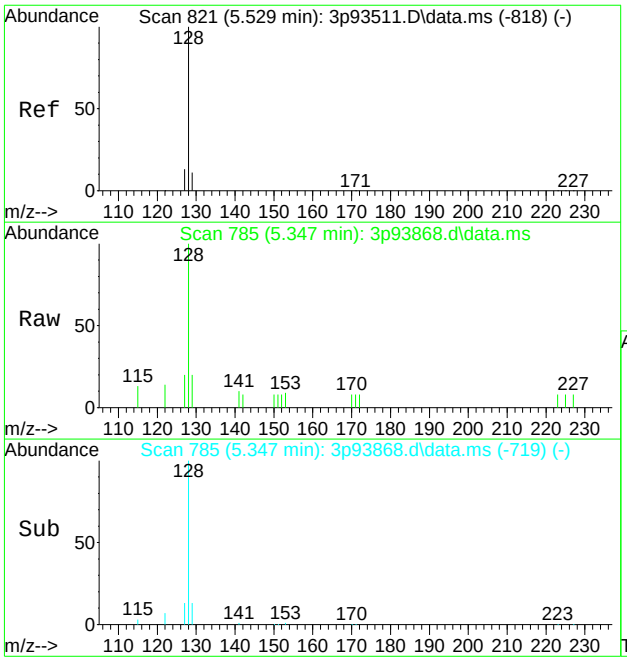
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93868.d
Acq On : 13 Jul 2021 5:28 am
Operator : chriss2
Sample : jd27982-7 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:23:11 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

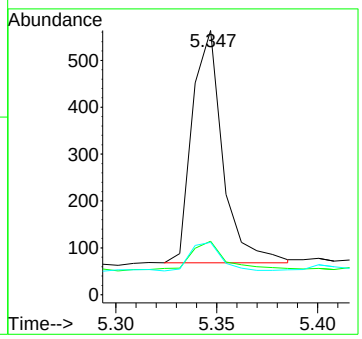


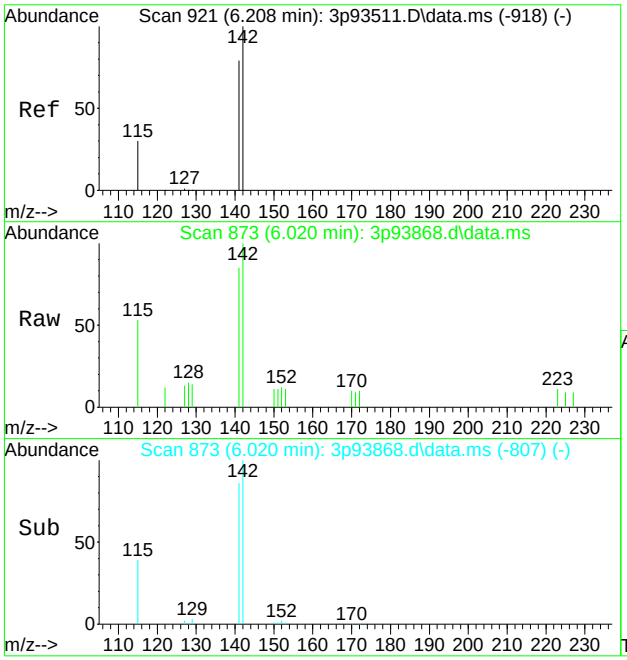


#8
Naphthalene
Concen: 7.19 ppb
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:128 Resp: 524

Ion	Ratio	Lower	Upper
128	100		
129	11.8	0.0	41.4
127	12.2	0.0	42.2

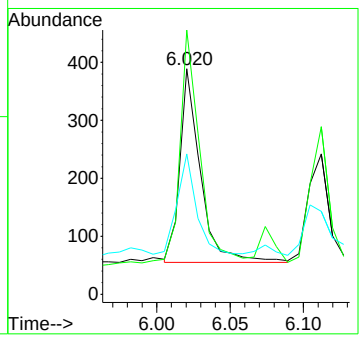


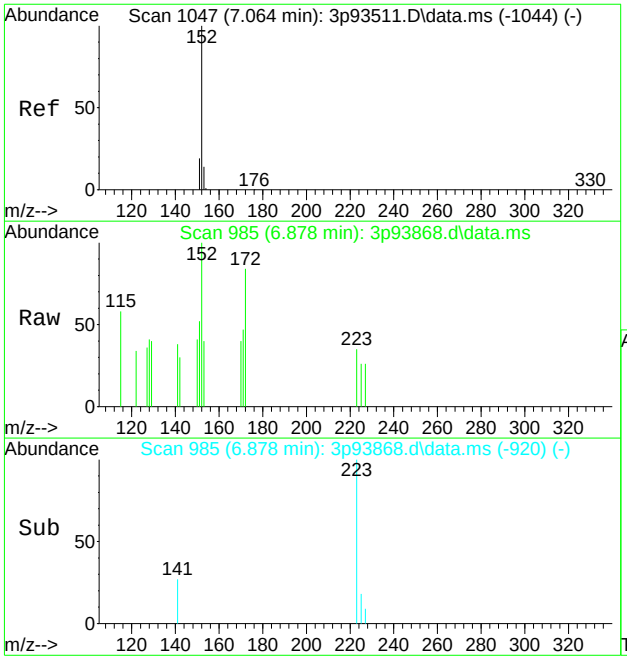


#10
2-Methylnaphthalene
Concen: 7.78 ppb
RT: 6.020 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:141 Resp: 326

Ion	Ratio	Lower	Upper
141	100		
142	120.8	87.0	147.0
115	52.0	29.3	89.3

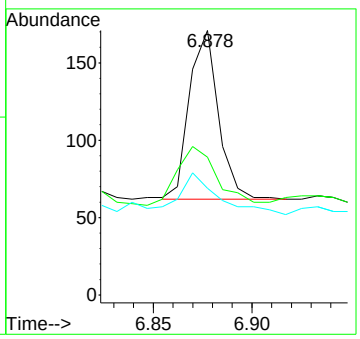


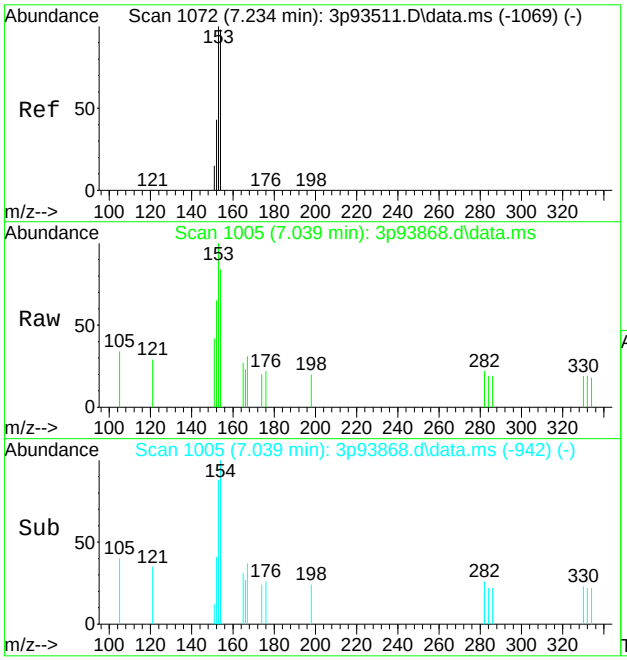


#14
Acenaphthylene
Concen: 1.56 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.000 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:152 Resp: 114

Ion	Ratio	Lower	Upper
152	100		
151	24.4	0.0	49.2
153	13.4	0.0	43.9

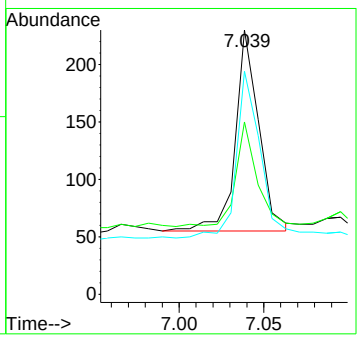


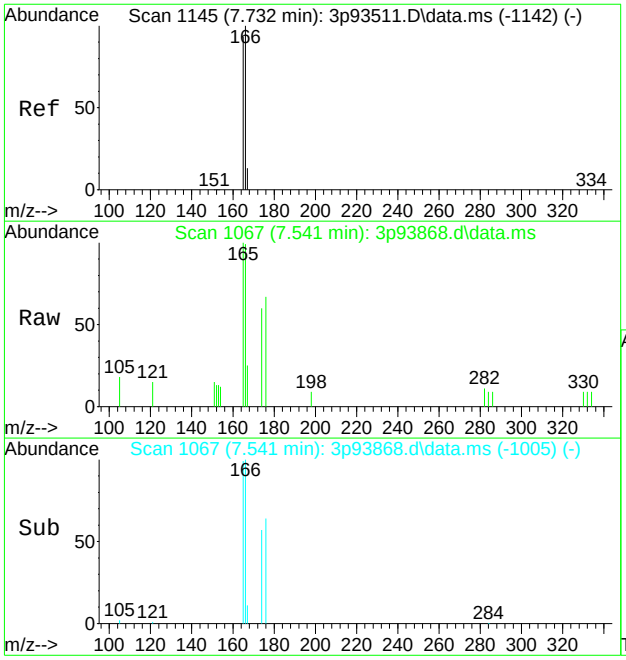


#15
Acenaphthene
Concen: 3.33 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:153 Resp: 170

Ion	Ratio	Lower	Upper
153	100		
152	51.9	13.3	73.3
154	81.9	66.2	126.2

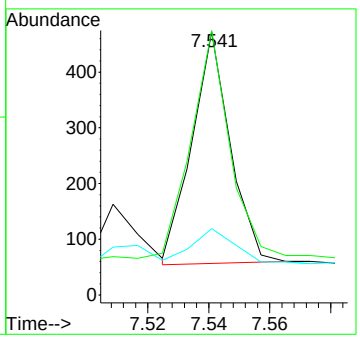


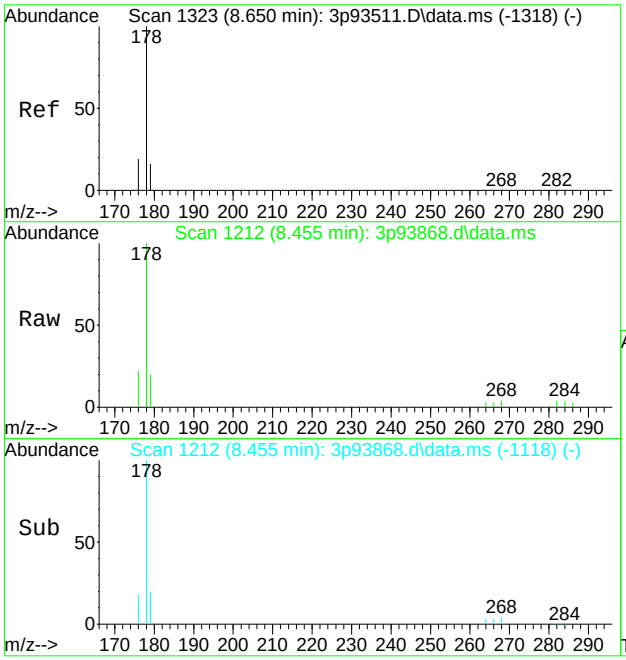


#17
Fluorene
Concen: 6.04 ppb
RT: 7.541 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:166 Resp: 364

Ion	Ratio	Lower	Upper
166	100		
165	98.3	66.9	126.9
167	14.3	0.0	42.8

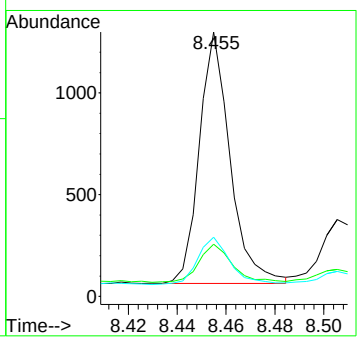


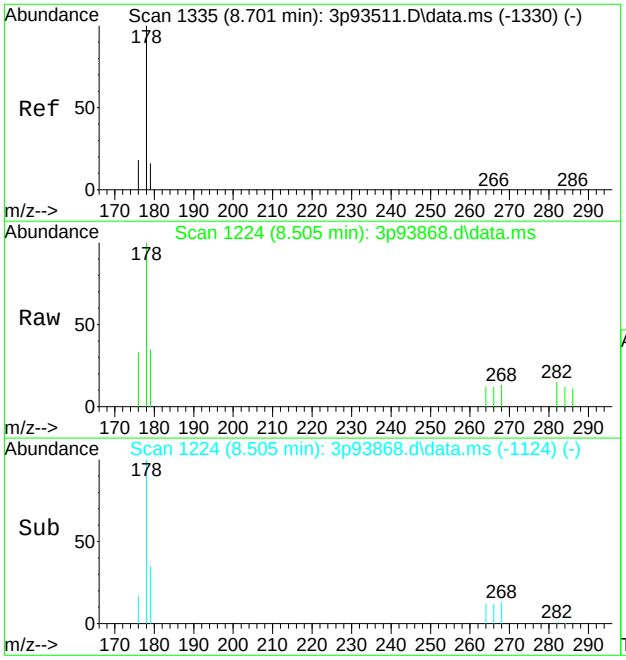


#22
Phenanthrene
Concen: 12.66 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:178 Resp: 1081

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	44.9
176	18.6	0.0	49.8

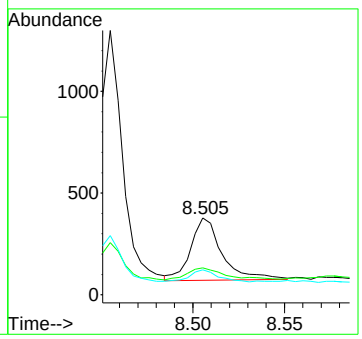


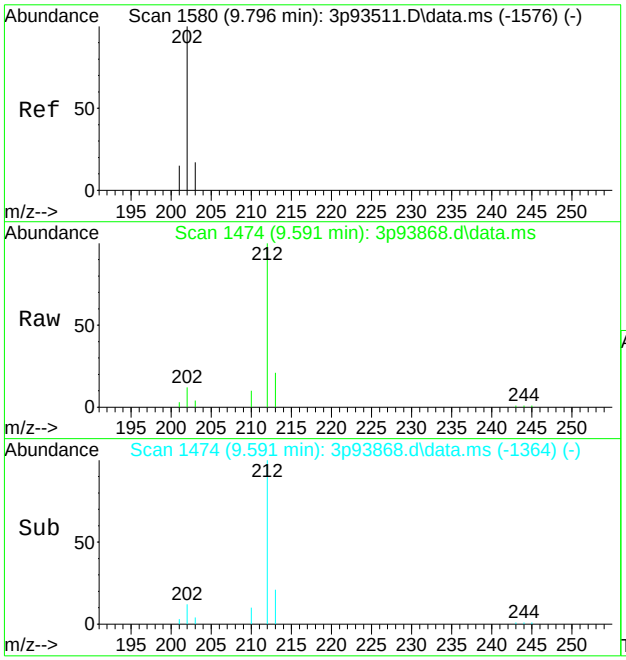


#23
Anthracene
Concen: 4.60 ppb
RT: 8.505 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:178 Resp: 366

Ion	Ratio	Lower	Upper
178	100		
179	19.3	0.0	45.0
176	18.8	0.0	48.7

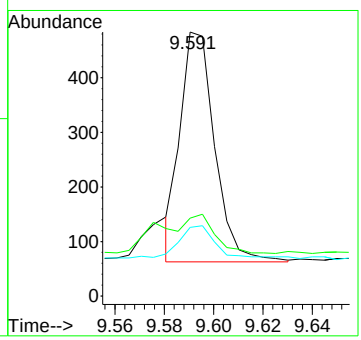


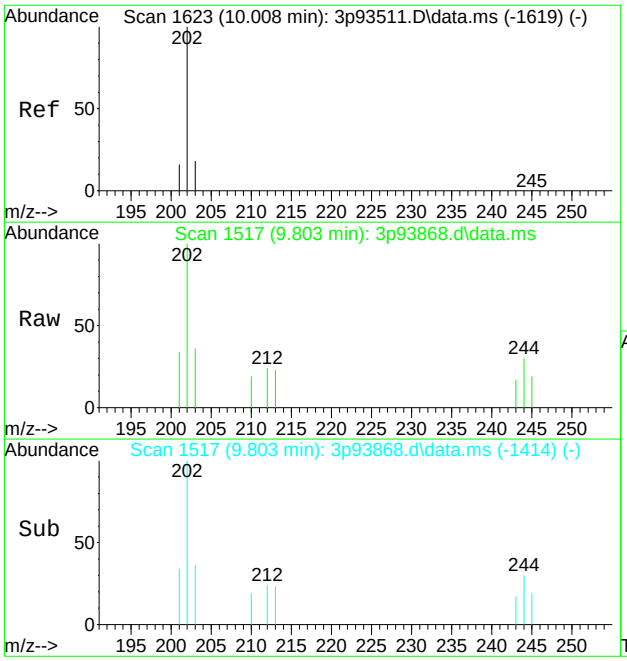


#24
Fluoranthene
Concen: 4.04 ppb m
RT: 9.591 min Scan# 1474
Delta R.T. -0.005 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:202 Resp: 410

Ion	Ratio	Lower	Upper
202	100		
203	29.5	0.0	47.5
201	26.0	0.0	44.2

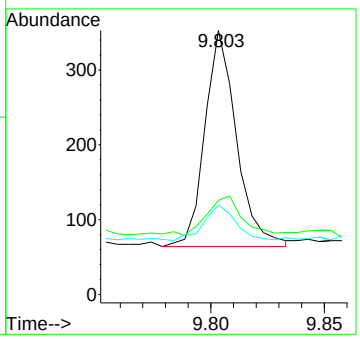


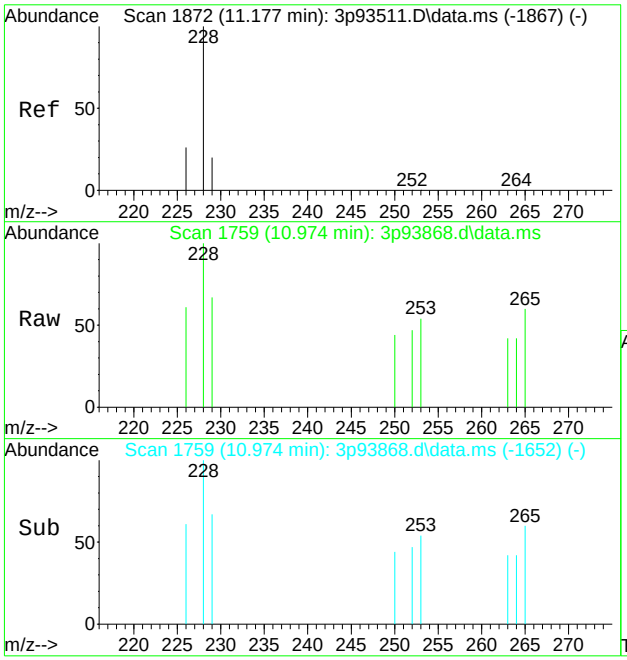


#25
Pyrene
Concen: 2.71 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:202 Resp: 280

Ion	Ratio	Lower	Upper
202	100		
203	15.4	0.0	47.3
201	15.8	0.0	46.8

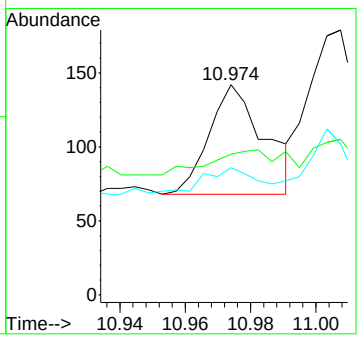


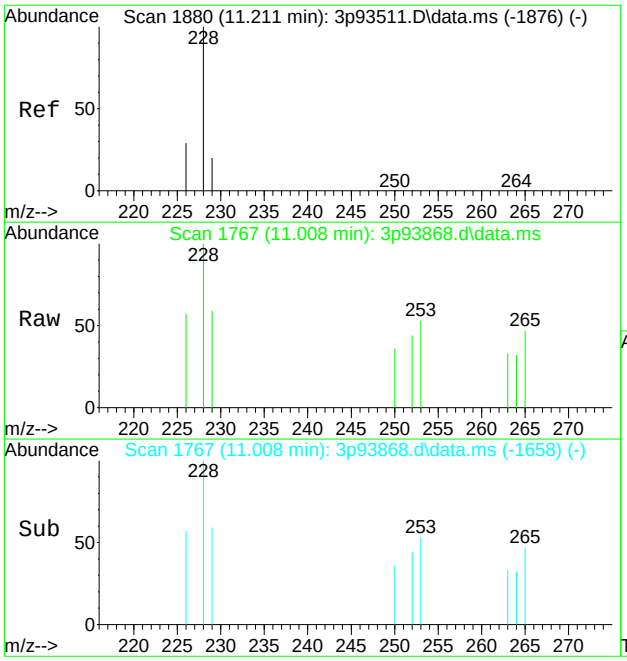


#27
Benzo[a]anthracene
Concen: 1.08 ppb
RT: 10.974 min Scan# 1759
Delta R.T. 0.004 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:228 Resp: 87

Ion	Ratio	Lower	Upper
228	100		
229	10.5	0.0	49.5
226	21.9	0.0	56.2

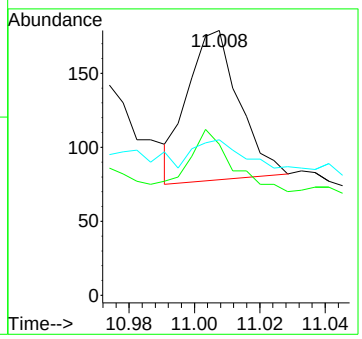


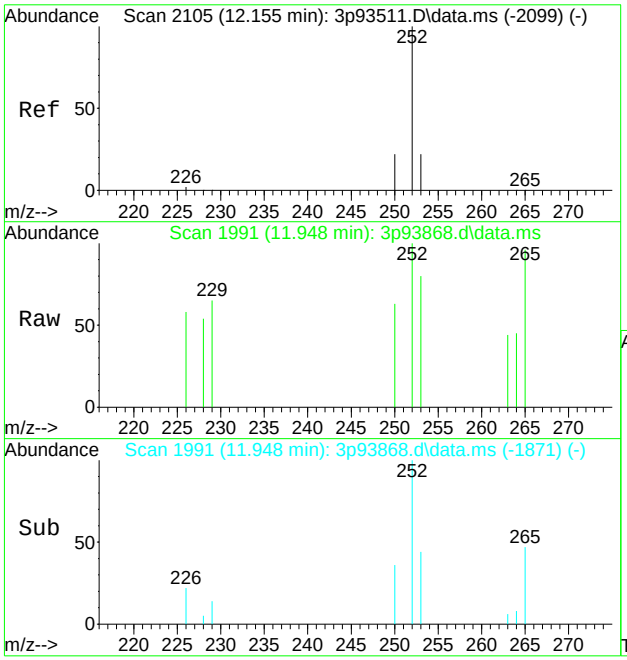


#28
Chrysene
Concen: 1.23 ppb
RT: 11.008 min Scan# 1767
Delta R.T. 0.004 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:228 Resp: 111

Ion	Ratio	Lower	Upper
228	100		
226	32.8	0.0	58.3
229	14.9	0.0	49.7

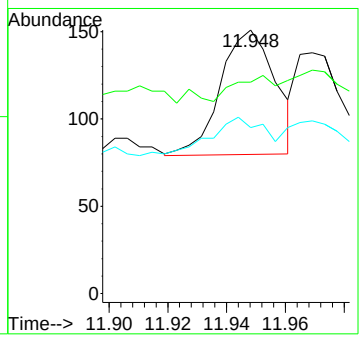




#30
Benzo[b]fluoranthene
Concen: 1.39 ppb
RT: 11.948 min Scan# 1991
Delta R.T. 0.004 min
Lab File: 3p93868.d
Acq: 13 Jul 2021 5:28 am

Tgt Ion:252 Resp: 92

Ion	Ratio	Lower	Upper
252	100		
253	3.6	0.0	51.9
250	13.5	0.0	53.0



Manual Integration Approval Summary

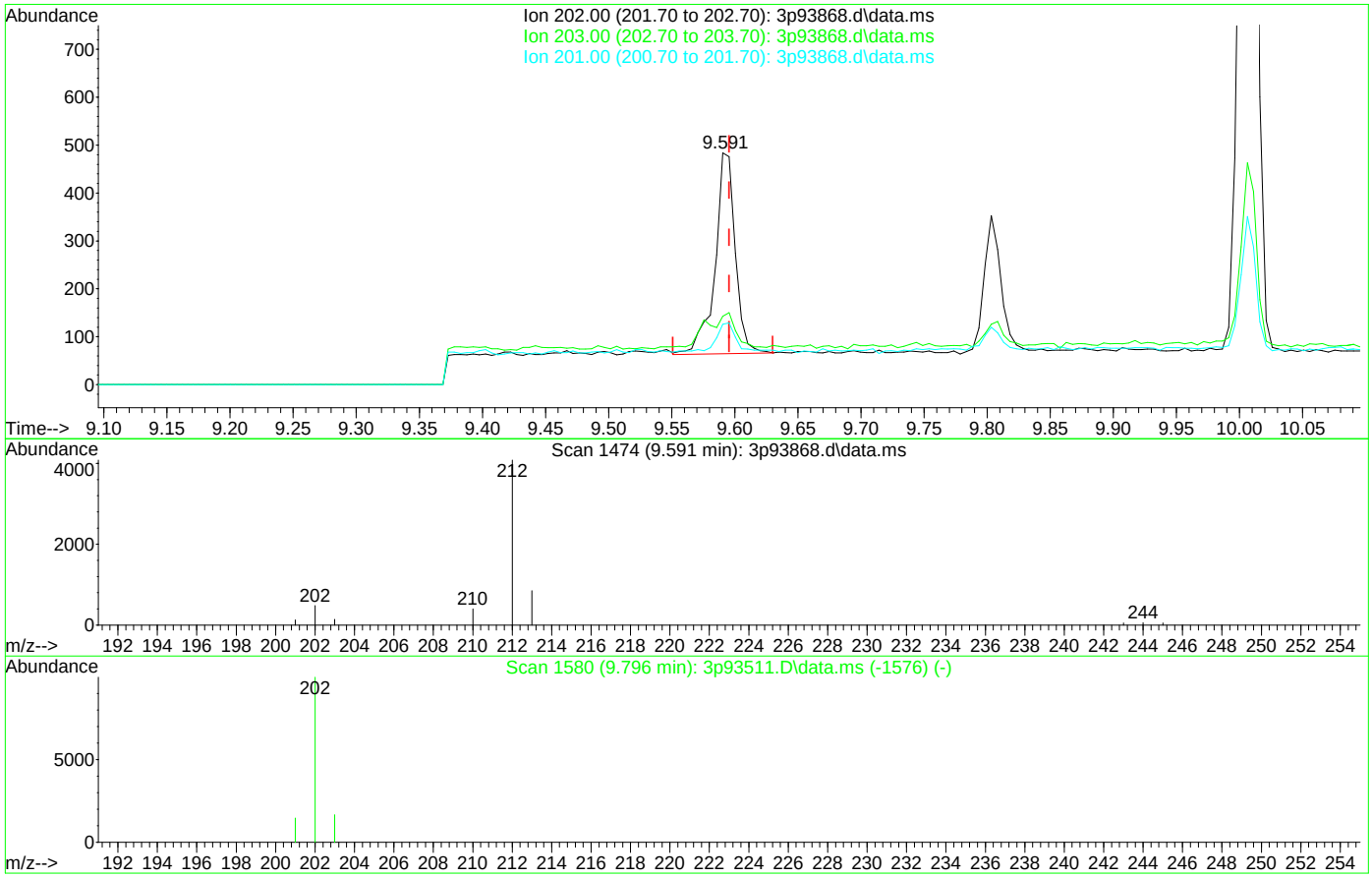
Sample Number: JD27982-7
Lab FileID: 3P93868.D
Injection Time: 07/13/21 05:28
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 06:25 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluoranthene	206-44-0		9.59	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93868.d
Acq On : 13 Jul 2021 5:28 am
Operator : chriss2
Sample : jd27982-7 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:12:24 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93868.d\data.ms

(24) Fluoranthene (t)

9.591min (-0.005) 4.61ppb

response 468

Ion	Exp%	Act%
202.00	100	100
203.00	17.50	14.95
201.00	14.20	13.40
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93869.d
Acq On : 13 Jul 2021 5:47 am
Operator : chriss2
Sample : jd27982-8 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:14:53 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

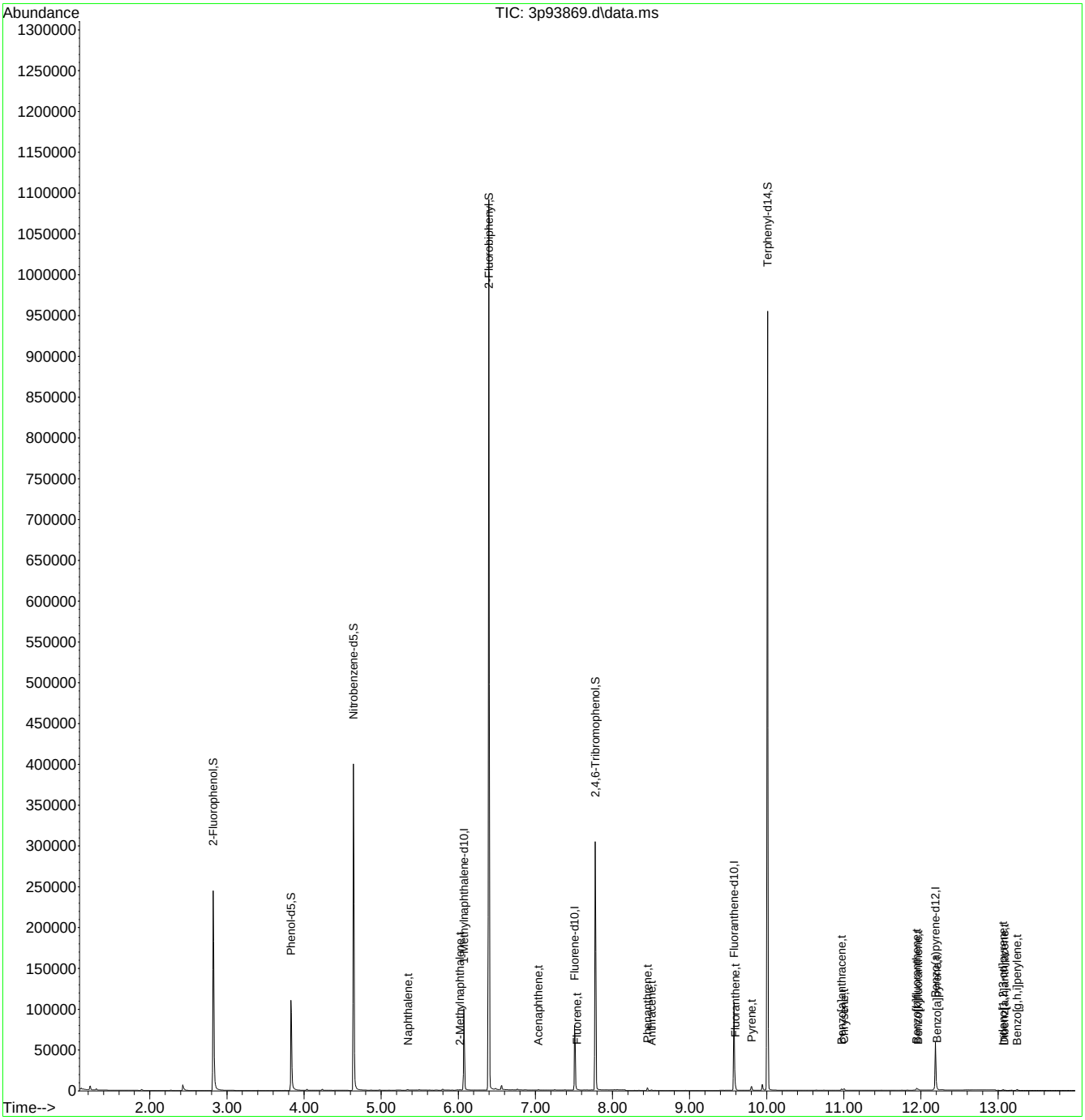
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	25844	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	39094	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	69134	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	36700	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.823	112	109874	5600.44	ppb	0.00
Spiked Amount 50.000			Recovery = 11200.88%			
4) Phenol-d5	3.830	99	100951	3790.45	ppb	0.00
Spiked Amount 50.000			Recovery = 7580.90%			
7) Nitrobenzene-d5	4.641	82	231597	8810.52	ppb	0.00
Spiked Amount 50.000			Recovery = 17621.04%			
13) 2-Fluorobiphenyl	6.395	172	485719	8880.19	ppb	0.00
Spiked Amount 50.000			Recovery = 17760.38%			
18) 2,4,6-Tribromophenol	7.776	330	104414	10448.86	ppb	0.00
Spiked Amount 50.000			Recovery = 20897.72%			
26) Terphenyl-d14	10.011	244	546751	8900.51	ppb	0.00
Spiked Amount 50.000			Recovery = 17801.02%			
Target Compounds						Qvalue
8) Naphthalene	5.347	128	552m	6.92	ppb	
10) 2-Methylnaphthalene	6.020	141	245	5.34	ppb	93
15) Acenaphthene	7.039	153	143	2.57	ppb	94
17) Fluorene	7.541	166	313	4.76	ppb	93
22) Phenanthrene	8.455	178	2396	25.78	ppb	98
23) Anthracene	8.505	178	522	6.03	ppb	99
24) Fluoranthene	9.591	202	3906	35.36	ppb	99
25) Pyrene	9.803	202	3257	29.00	ppb	97
27) Benzo[a]anthracene	10.970	228	1001	11.44	ppb	97
28) Chrysene	11.003	228	1606	16.33	ppb	96
30) Benzo[b]fluoranthene	11.944	252	1809	26.69	ppb	98
31) Benzo[k]fluoranthene	11.965	252	655	9.49	ppb	94
32) Benzo[a]pyrene	12.209	252	953	13.88	ppb	96
33) Indeno[1,2,3-cd]pyrene	13.064	276	747	9.98	ppb	99
34) Dibenz[a,h]anthracene	13.082	278	136	2.19	ppb	75
35) Benzo[g,h,i]perylene	13.245	276	773	11.54	ppb	99

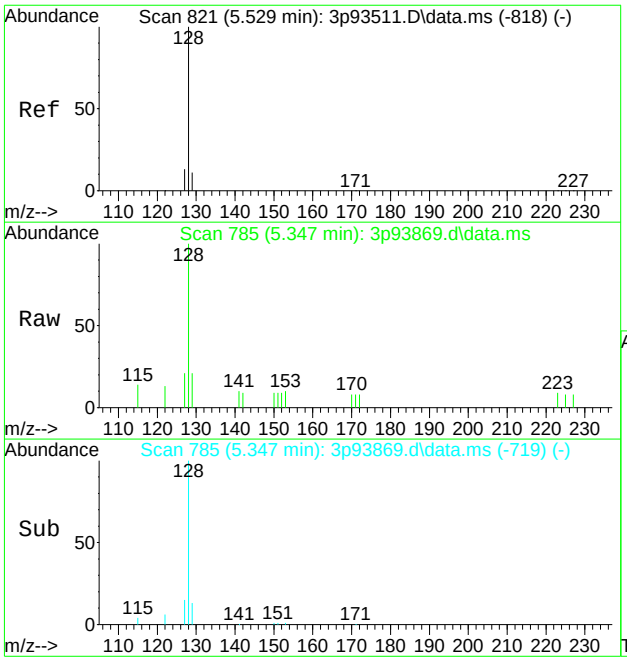
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93869.d
Acq On : 13 Jul 2021 5:47 am
Operator : chriss2
Sample : jd27982-8 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:14:53 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

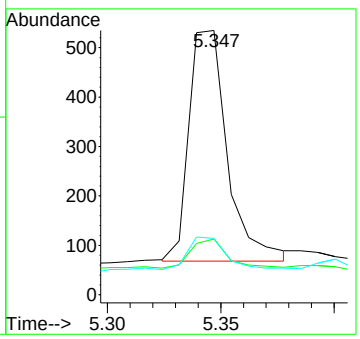


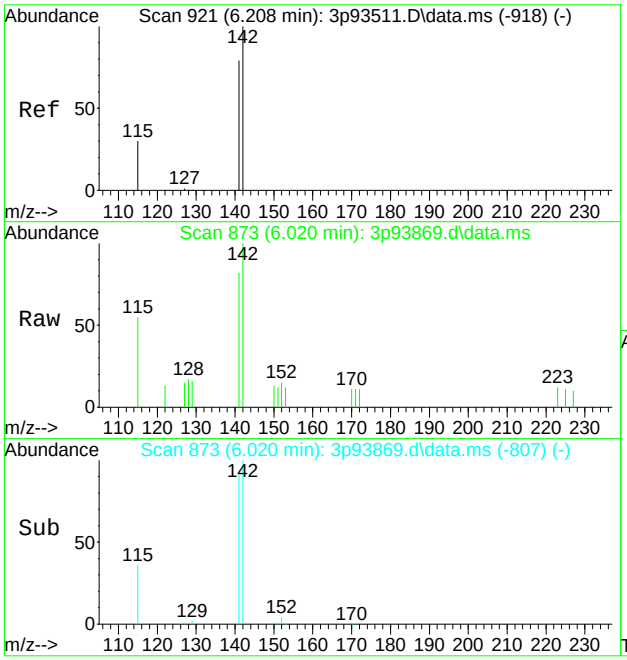


#8
Naphthalene
Concen: 6.92 ppb m
RT: 5.347 min Scan# 785
Delta R.T. 0.007 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:128 Resp: 552

Ion	Ratio	Lower	Upper
128	100		
129	21.1	0.0	41.4
127	21.3	0.0	42.2

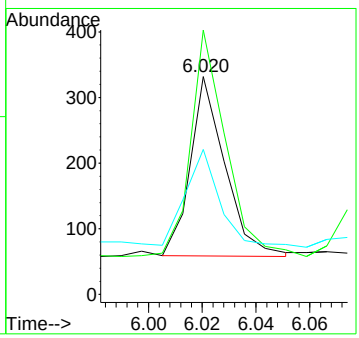


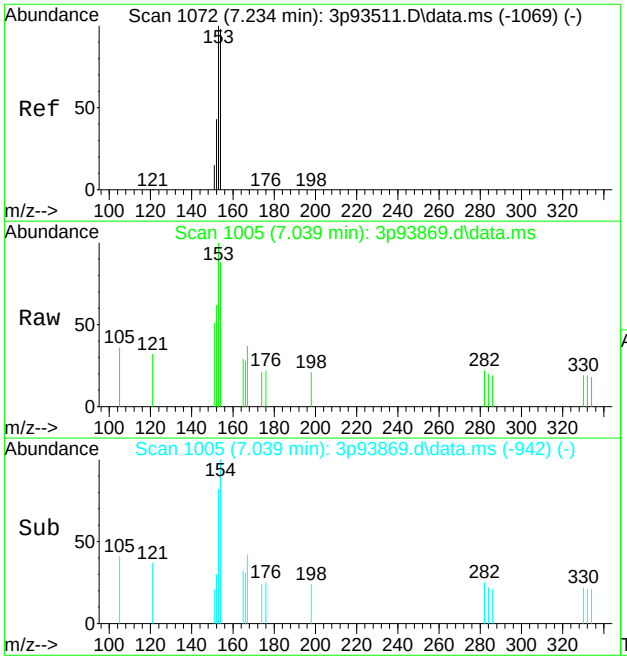


#10
2-Methylnaphthalene
Concen: 5.34 ppb
RT: 6.020 min Scan# 873
Delta R.T. 0.007 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:141 Resp: 245

Ion	Ratio	Lower	Upper
141	100		
142	124.8	87.0	147.0
115	53.8	29.3	89.3

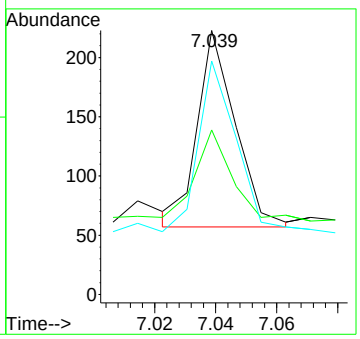


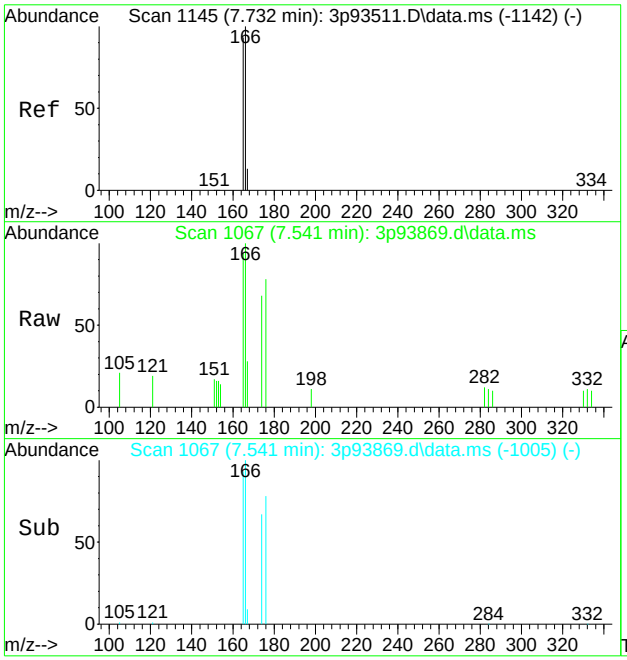


#15
Acenaphthene
Concen: 2.57 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.008 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:153 Resp: 143

Ion	Ratio	Lower	Upper
153	100		
152	46.3	13.3	73.3
154	90.2	66.2	126.2

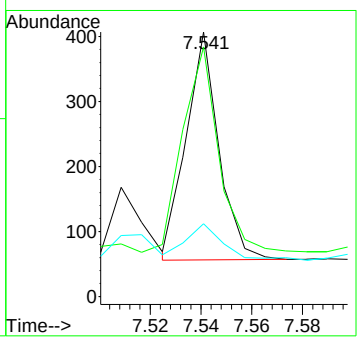


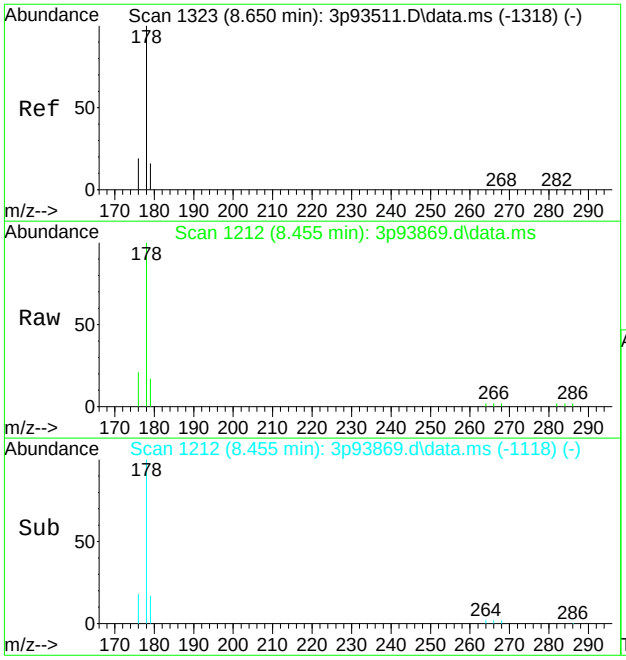


#17
Fluorene
Concen: 4.76 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:166 Resp: 313

Ion	Ratio	Lower	Upper
166	100		
165	89.8	66.9	126.9
167	14.5	0.0	42.8

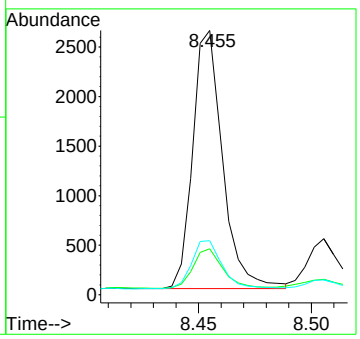


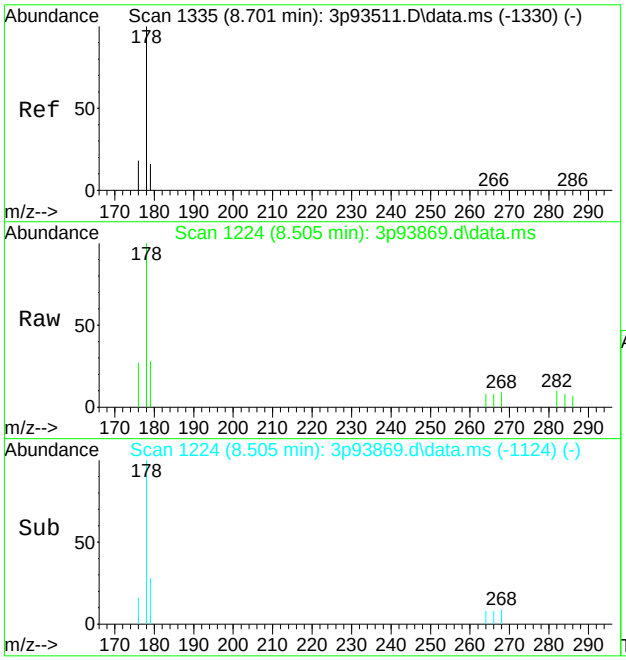


#22
Phenanthrene
Concen: 25.78 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.004 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:178 Resp: 2396

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	44.9
176	18.6	0.0	49.8

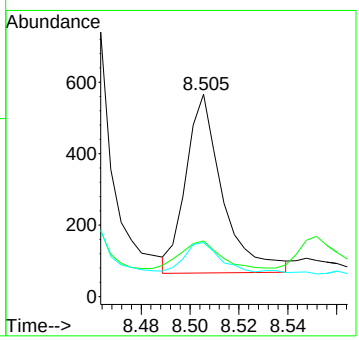


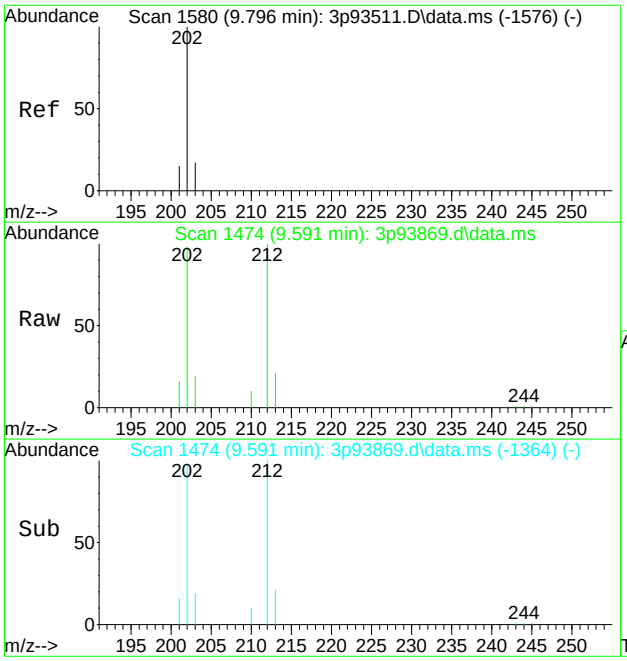


#23
Anthracene
Concen: 6.03 ppb
RT: 8.505 min Scan# 1224
Delta R.T. 0.004 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:178 Resp: 522

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.0
176	17.8	0.0	48.7

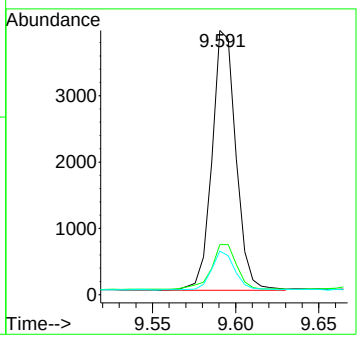


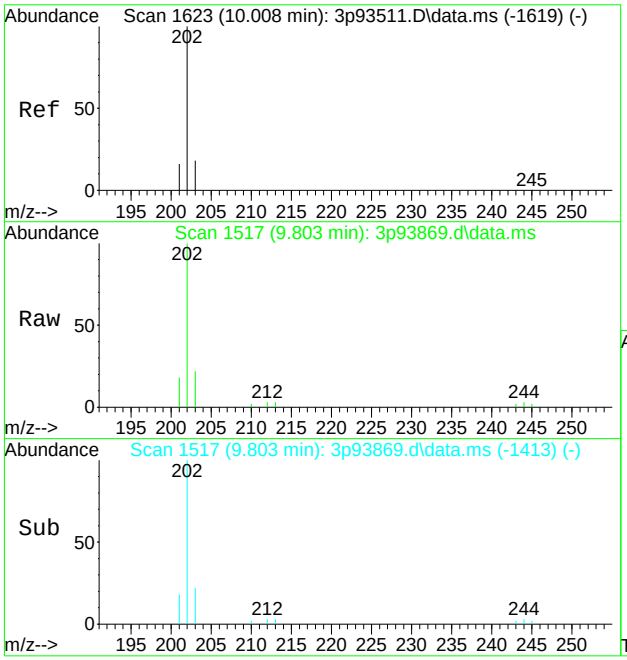


#24
Fluoranthene
Concen: 35.36 ppb
RT: 9.591 min Scan# 1474
Delta R.T. -0.005 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:202 Resp: 3906

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.5
201	14.9	0.0	44.2

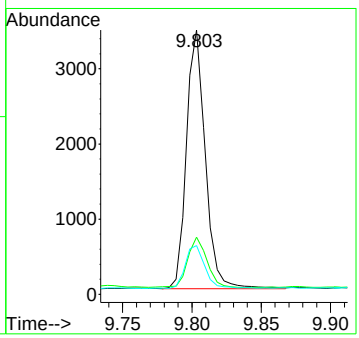


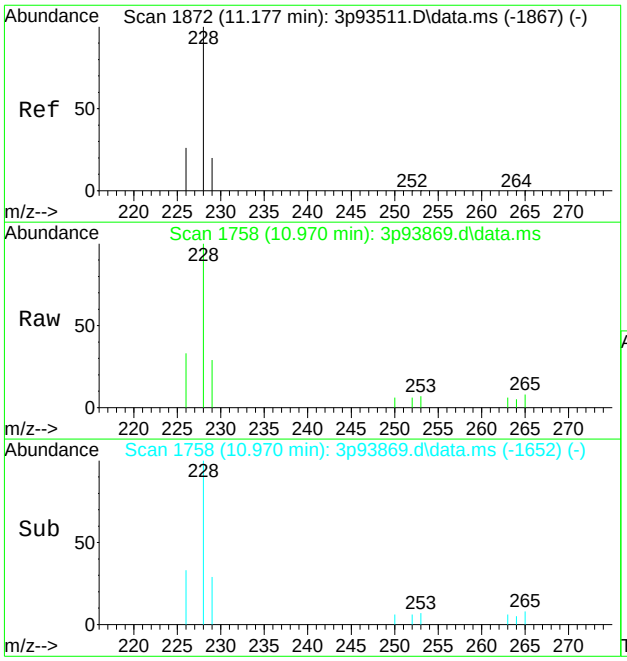


#25
Pyrene
Concen: 29.00 ppb
RT: 9.803 min Scan# 1517
Delta R.T. 0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:202 Resp: 3257

Ion	Ratio	Lower	Upper
202	100		
203	19.2	0.0	47.3
201	16.4	0.0	46.8

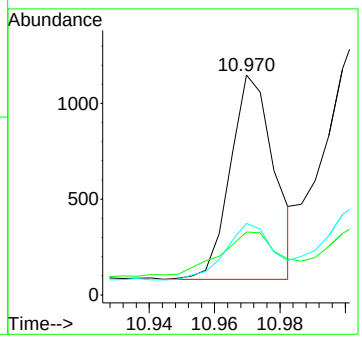


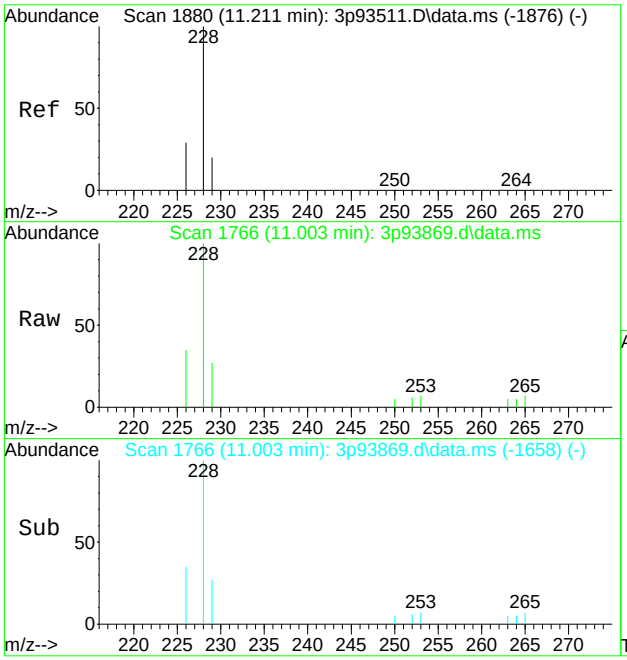


#27
Benzo[a]anthracene
Concen: 11.44 ppb
RT: 10.970 min Scan# 1758
Delta R.T. 0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:228 Resp: 1001

Ion	Ratio	Lower	Upper
228	100		
229	20.9	0.0	49.5
226	27.9	0.0	56.2

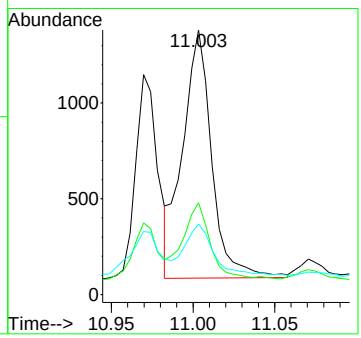


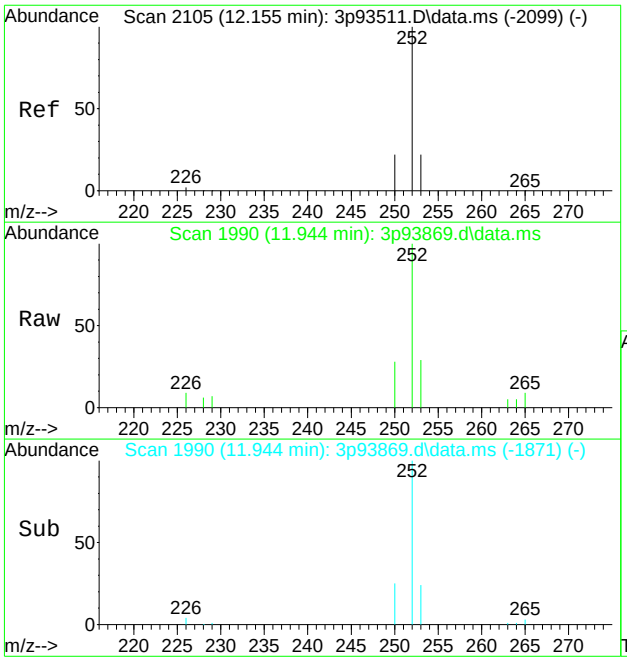


#28
Chrysene
Concen: 16.33 ppb
RT: 11.003 min Scan# 1766
Delta R.T. 0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:228 Resp: 1606

Ion	Ratio	Lower	Upper
228	100		
226	31.2	0.0	58.3
229	20.4	0.0	49.7

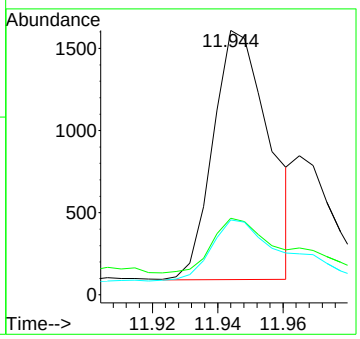


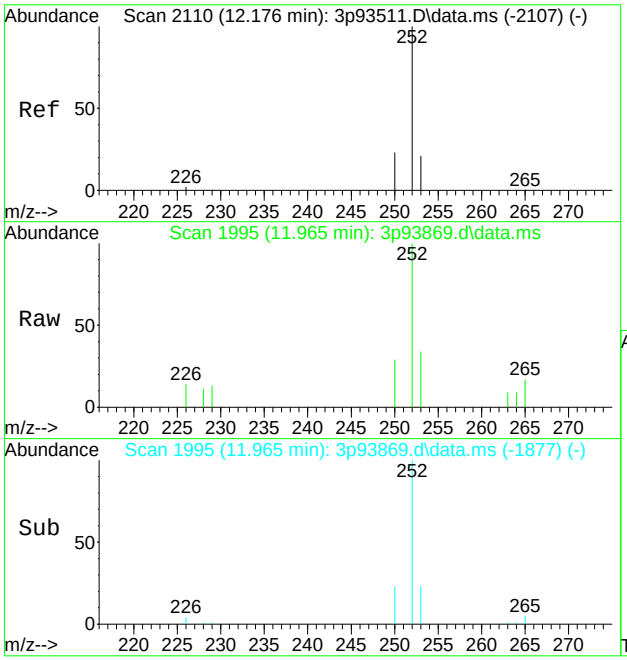


#30
Benzo[b]fluoranthene
Concen: 26.69 ppb
RT: 11.944 min Scan# 1990
Delta R.T. -0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:252 Resp: 1809

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	51.9
250	24.2	0.0	53.0

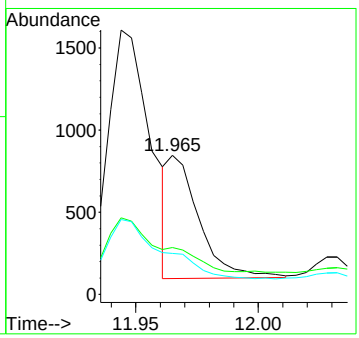


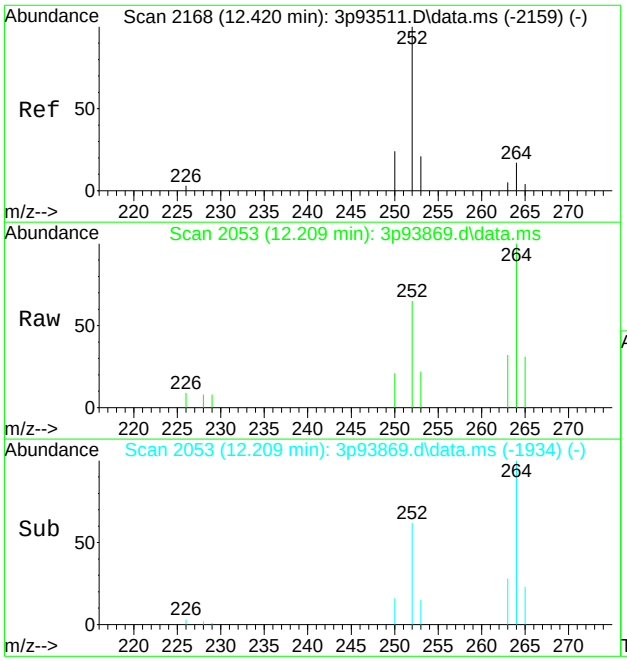


#31
Benzo[k]fluoranthene
Concen: 9.49 ppb
RT: 11.965 min Scan# 1995
Delta R.T. -0.004 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:252 Resp: 655

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	51.9
250	18.0	0.0	51.6

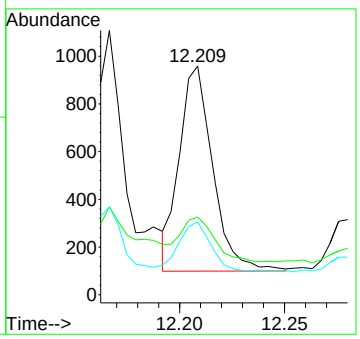


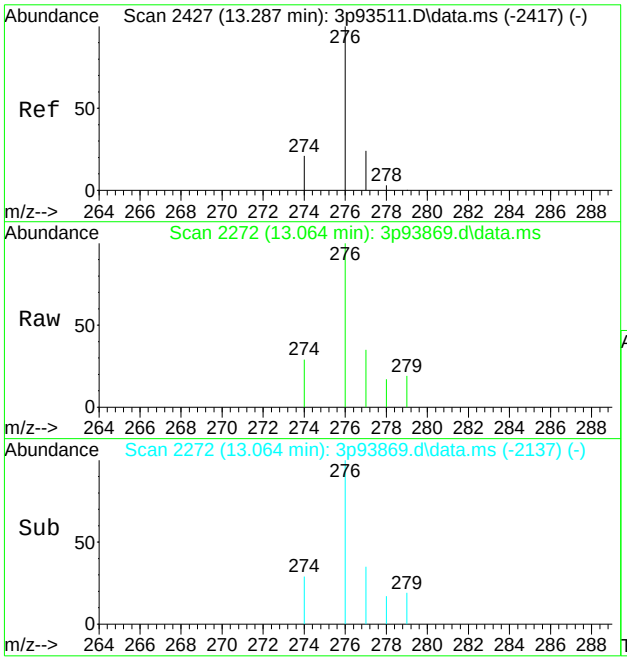


#32
Benzo[a]pyrene
Concen: 13.88 ppb
RT: 12.209 min Scan# 2053
Delta R.T. 0.000 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:252 Resp: 953

Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	51.4
250	25.2	0.0	53.1

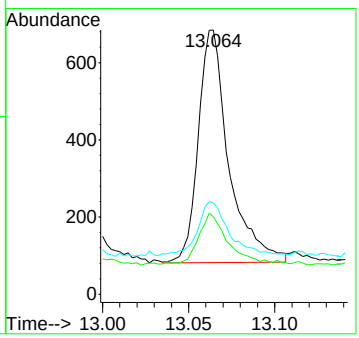


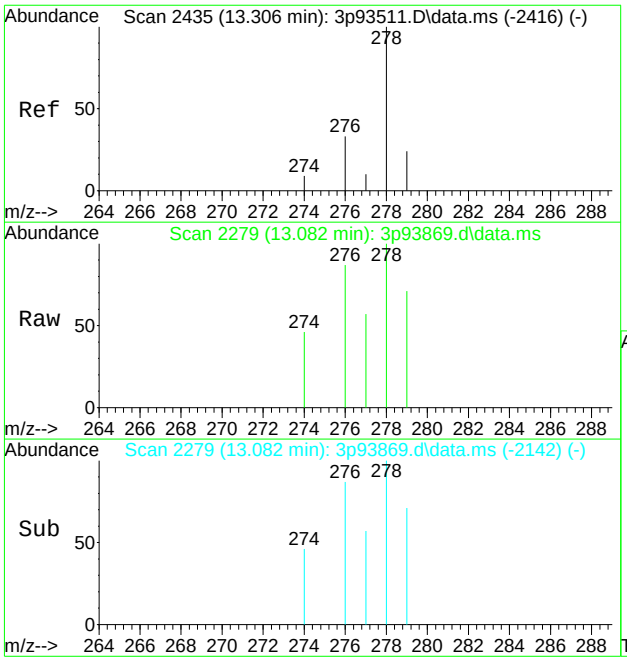


#33
Indeno[1,2,3-cd]pyrene
Concen: 9.98 ppb
RT: 13.064 min Scan# 2272
Delta R.T. 0.002 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:276 Resp: 747

Ion	Ratio	Lower	Upper
276	100		
274	20.5	0.0	50.4
277	22.4	0.0	53.7

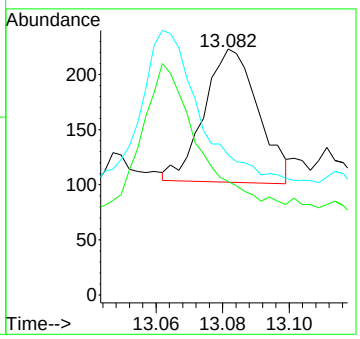


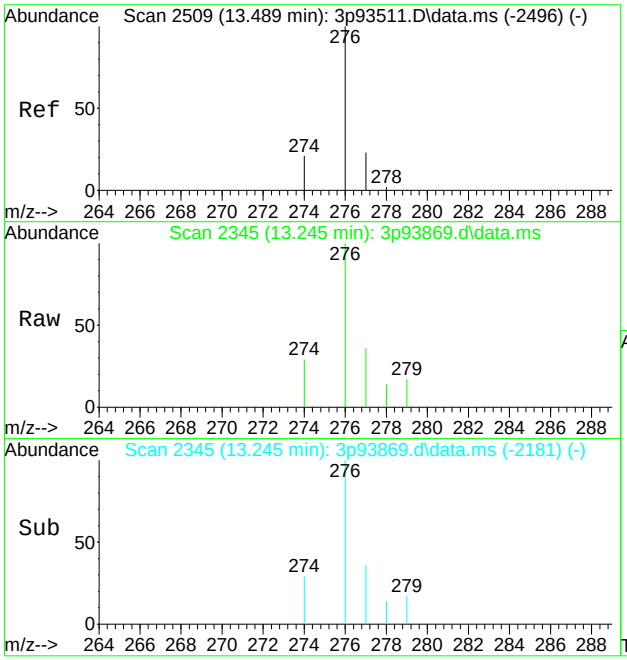


#34
Dibenz[a,h]anthracene
Concen: 2.19 ppb
RT: 13.082 min Scan# 2279
Delta R.T. -0.001 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:278 Resp: 136

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	39.1
277	0.0	0.0	39.3

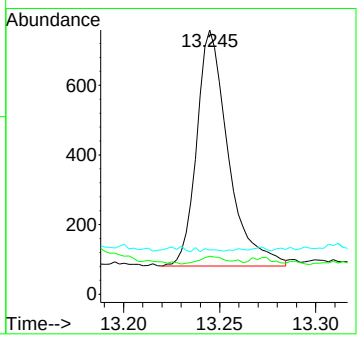




#35
Benzo[g,h,i]perylene
Concen: 11.54 ppb
RT: 13.245 min Scan# 2345
Delta R.T. -0.001 min
Lab File: 3p93869.d
Acq: 13 Jul 2021 5:47 am

Tgt Ion:276 Resp: 773

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.8
279	0.0	0.0	30.4



Manual Integration Approval Summary

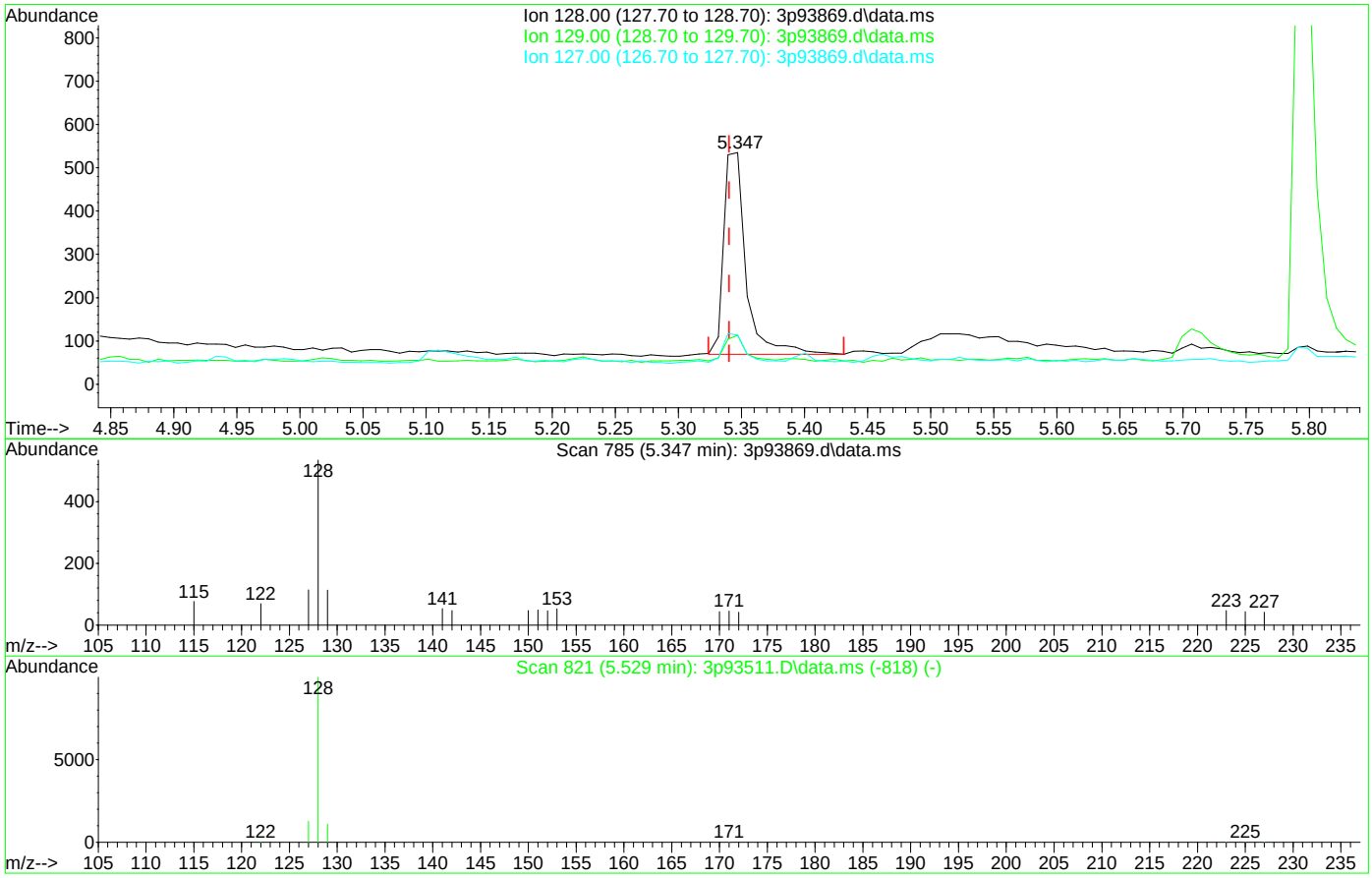
Sample Number:	JD27982-8	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93869.D	**Analyst approved:**	07/13/21 06:25 Jeryll Fabriene Reyes
Injection Time:	07/13/21 05:47	**Supervisor approved:**	07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		5.35	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93869.d
Acq On : 13 Jul 2021 5:47 am
Operator : chriss2
Sample : jd27982-8 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 06:12:29 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93869.d\data.ms

(8) Naphthalene (t)

5.347min (+0.007) 7.20ppb

response 575

Ion	Exp%	Act%
128.00	100	100
129.00	11.40	12.69
127.00	12.20	13.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93870.d
Acq On : 13 Jul 2021 6:05 am
Operator : chriss2
Sample : jd27982-9 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:39:46 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration

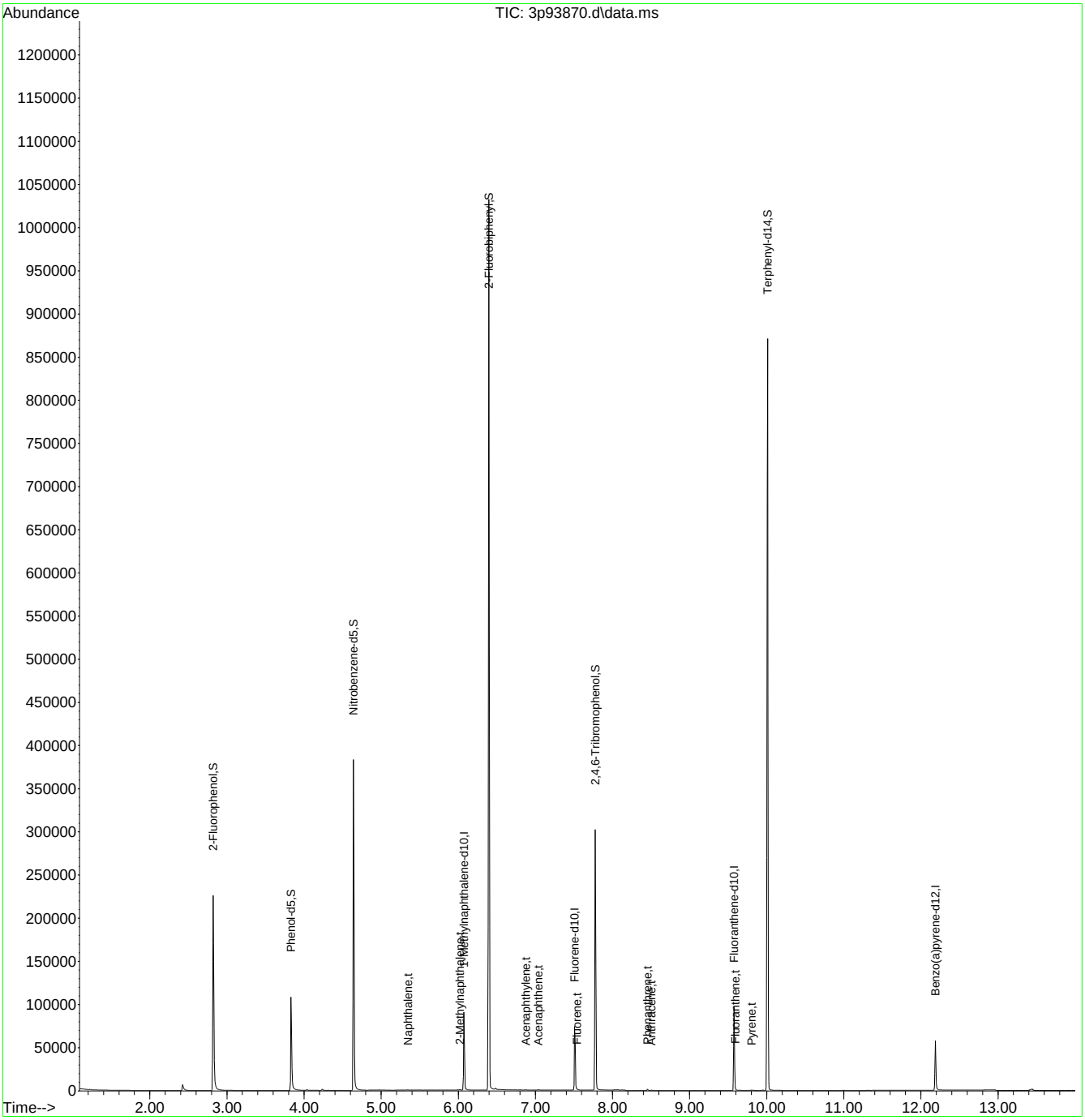
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	23163	800.00	ppb	0.00
12) Fluorene-d10	7.509	176	36329	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	63634	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	35887	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.822	112	102977	5856.42	ppb	0.00
Spiked Amount 50.000			Recovery	= 11712.84%		
4) Phenol-d5	3.830	99	94571	3961.90	ppb	0.00
Spiked Amount 50.000			Recovery	= 7923.80%		
7) Nitrobenzene-d5	4.641	82	222696	9452.49	ppb	0.00
Spiked Amount 50.000			Recovery	= 18904.98%		
13) 2-Fluorobiphenyl	6.395	172	468423	9215.78	ppb	0.00
Spiked Amount 50.000			Recovery	= 18431.56%		
18) 2,4,6-Tribromophenol	7.776	330	100167	10786.77	ppb	0.00
Spiked Amount 50.000			Recovery	= 21573.54%		
26) Terphenyl-d14	10.011	244	526428	9310.36	ppb	0.00
Spiked Amount 50.000			Recovery	= 18620.72%		
Target Compounds						Qvalue
8) Naphthalene	5.347	128	504	7.05	ppb	99
10) 2-Methylnaphthalene	6.020	141	303	7.37	ppb	93
14) Acenaphthylene	6.878	152	77	1.04	ppb	94
15) Acenaphthene	7.039	153	148	2.86	ppb	87
17) Fluorene	7.541	166	349	5.71	ppb	96
22) Phenanthrene	8.455	178	1095	12.80	ppb	99
23) Anthracene	8.505	178	395	4.95	ppb	99
24) Fluoranthene	9.595	202	444	4.37	ppb	97
25) Pyrene	9.803	202	271	2.62	ppb	99

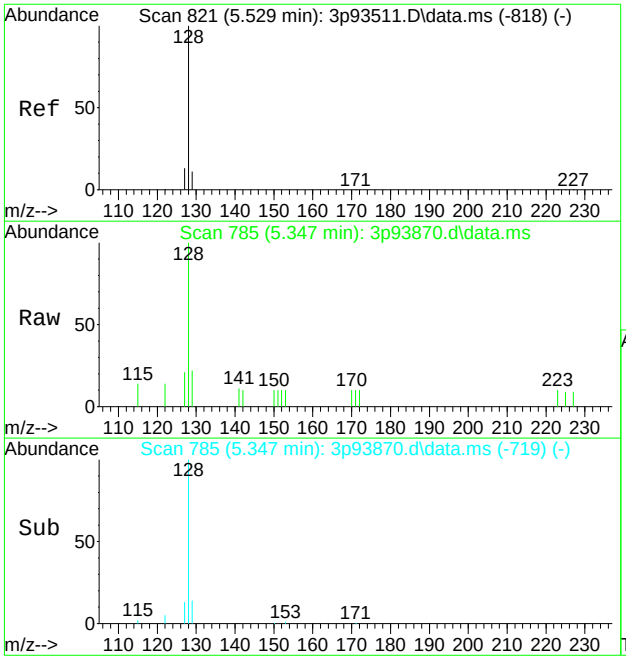
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93870.d
Acq On : 13 Jul 2021 6:05 am
Operator : chriss2
Sample : jd27982-9 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:39:46 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration

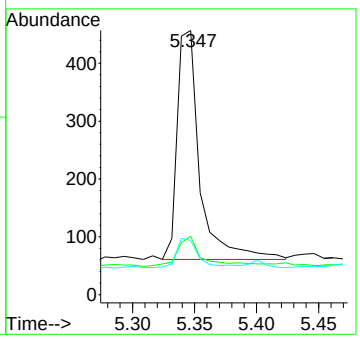


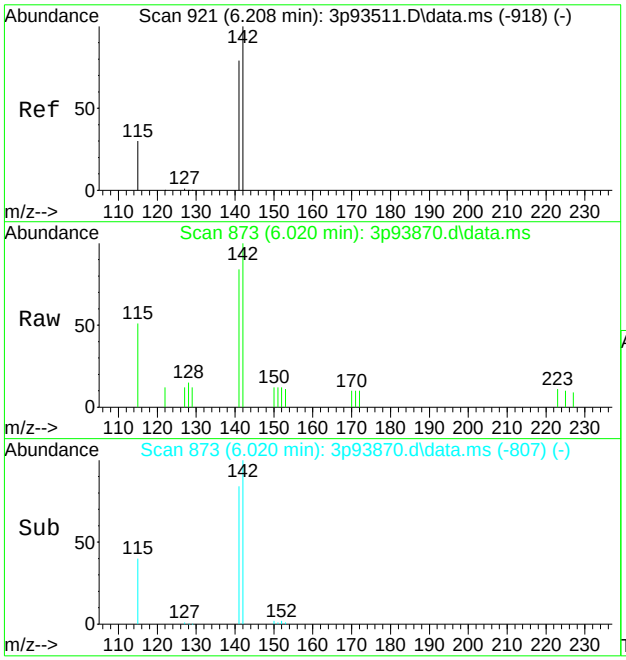


#8
Naphthalene
Concen: 7.05 ppb
RT: 5.347 min Scan# 785
Delta R.T. 0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:128 Resp: 504

Ion	Ratio	Lower	Upper
128	100		
129	11.9	0.0	41.4
127	11.8	0.0	42.2

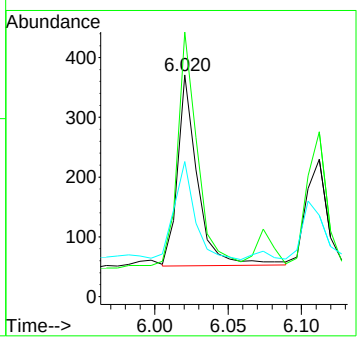


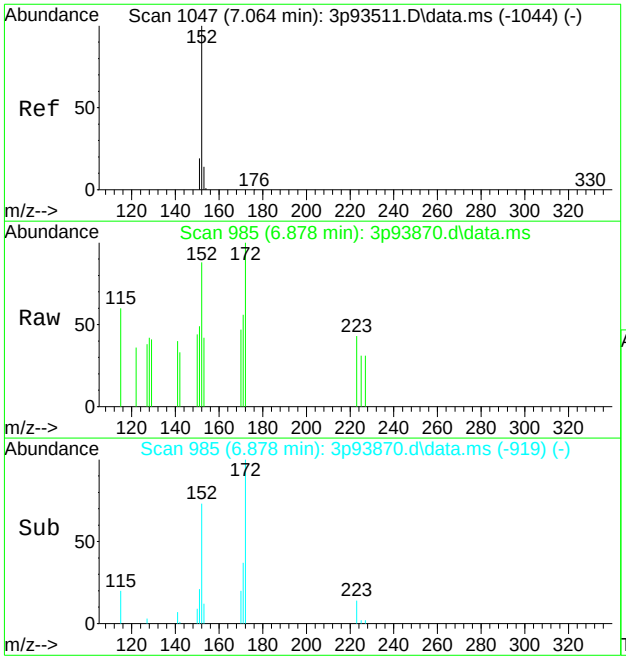


#10
2-Methylnaphthalene
Concen: 7.37 ppb
RT: 6.020 min Scan# 873
Delta R.T. 0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:141 Resp: 303

Ion	Ratio	Lower	Upper
141	100		
142	122.5	87.0	147.0
115	50.5	29.3	89.3

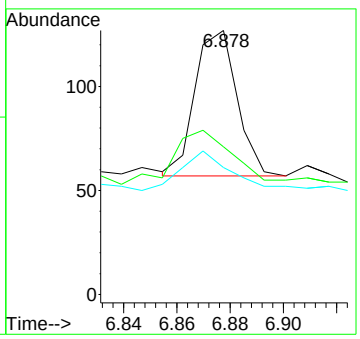


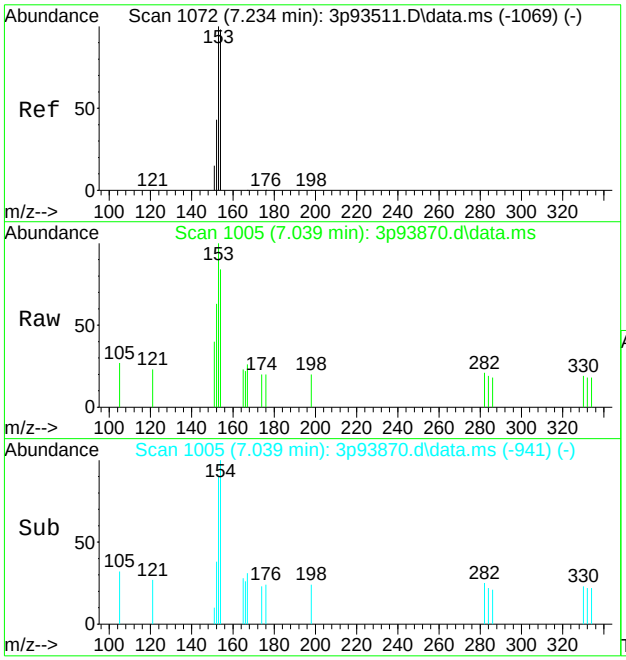


#14
Acenaphthylene
Concen: 1.04 ppb
RT: 6.878 min Scan# 985
Delta R.T. 0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:152 Resp: 77

Ion	Ratio	Lower	Upper
152	100		
151	22.5	0.0	49.2
153	12.3	0.0	43.9

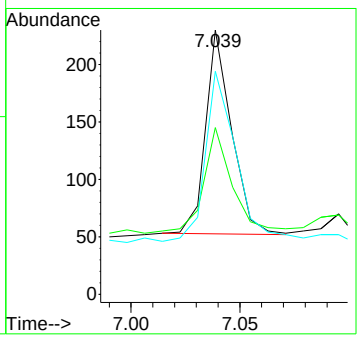


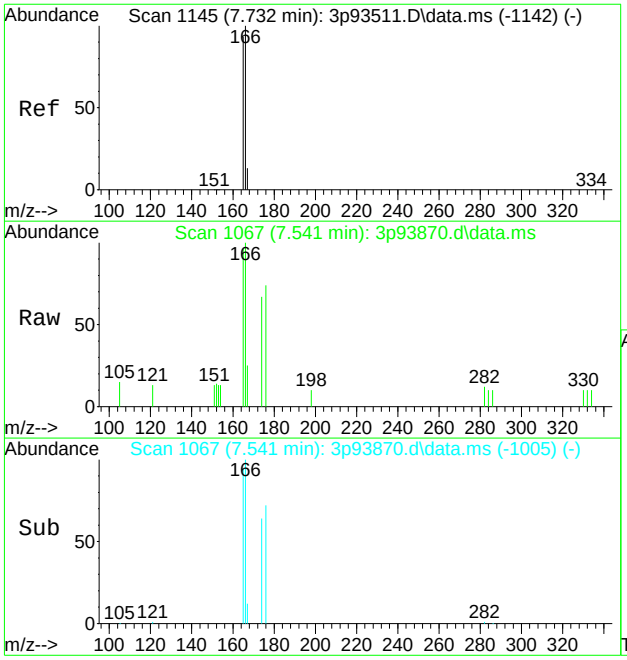


#15
Acenaphthene
Concen: 2.86 ppb
RT: 7.039 min Scan# 1005
Delta R.T. -0.006 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:153 Resp: 148

Ion	Ratio	Lower	Upper
153	100		
152	50.3	13.3	73.3
154	81.9	66.2	126.2

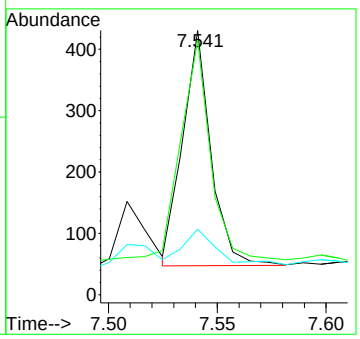


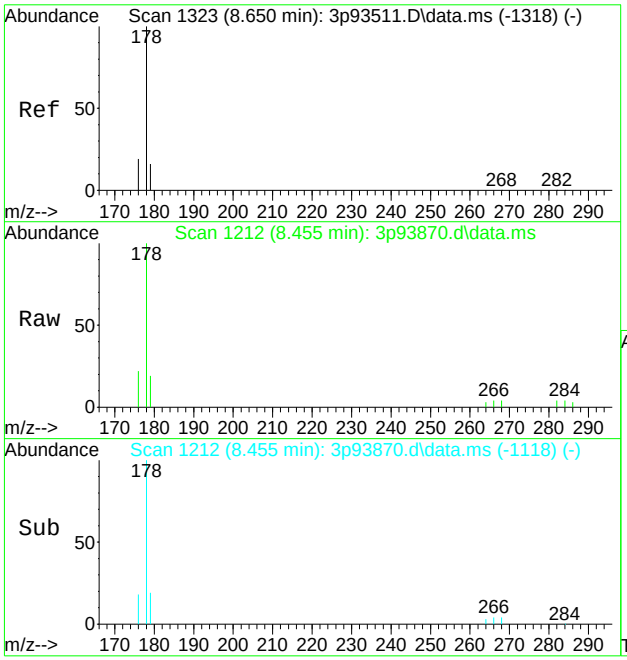


#17
Fluorene
Concen: 5.71 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:166 Resp: 349

Ion	Ratio	Lower	Upper
166	100		
165	93.3	66.9	126.9
167	14.4	0.0	42.8

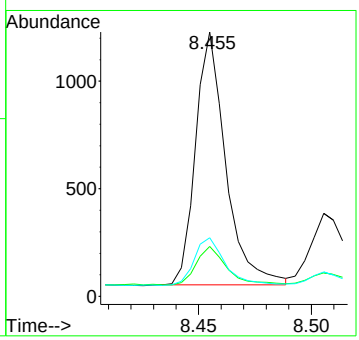


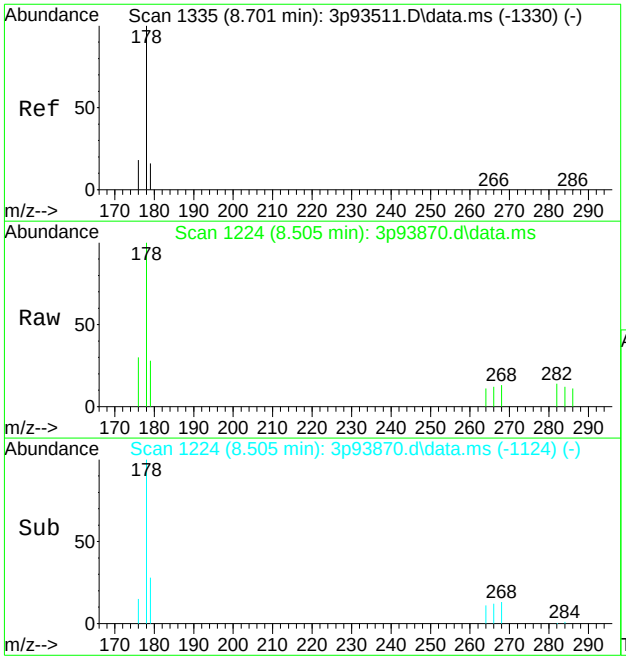


#22
Phenanthrene
Concen: 12.80 ppb
RT: 8.455 min Scan# 1212
Delta R.T. 0.003 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:178 Resp: 1095

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	44.9
176	18.9	0.0	49.8

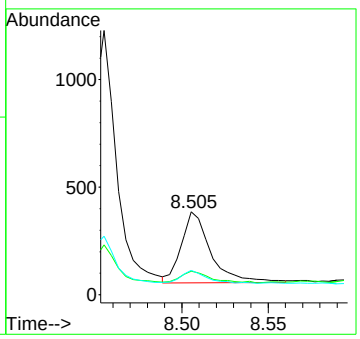


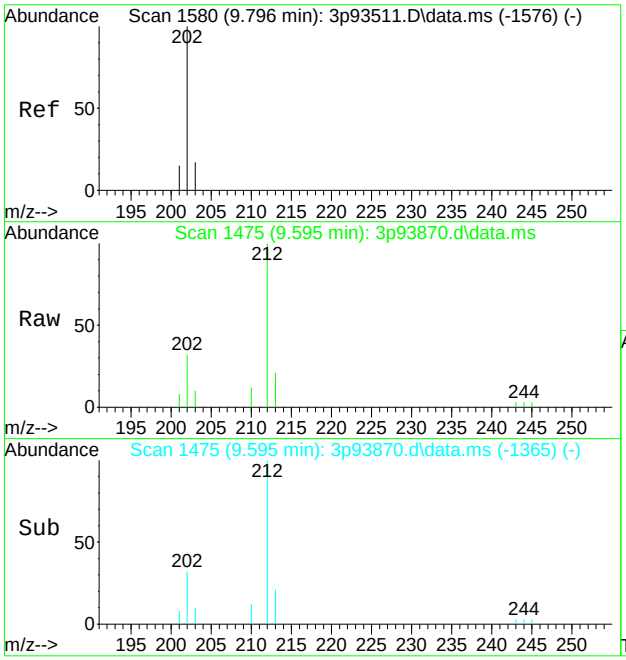


#23
Anthracene
Concen: 4.95 ppb
RT: 8.505 min Scan# 1224
Delta R.T. 0.003 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:178 Resp: 395

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.0
176	18.8	0.0	48.7

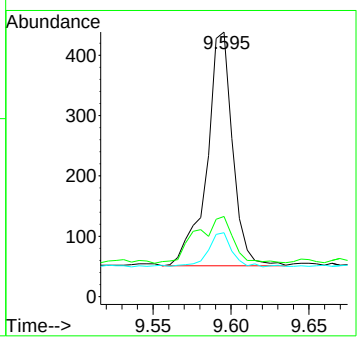


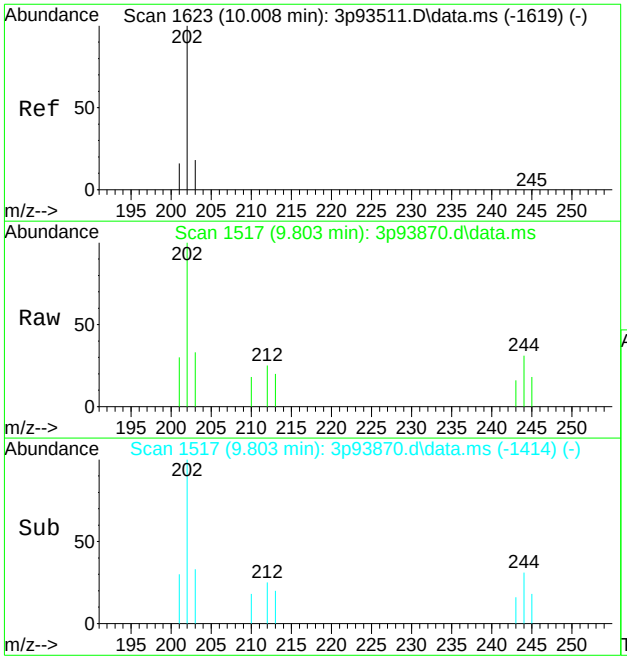


#24
Fluoranthene
Concen: 4.37 ppb
RT: 9.595 min Scan# 1475
Delta R.T. -0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:202 Resp: 444

Ion	Ratio	Lower	Upper
202	100		
203	19.6	0.0	47.5
201	14.2	0.0	44.2

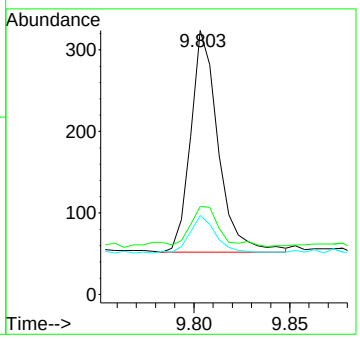




#25
Pyrene
Concen: 2.62 ppb
RT: 9.803 min Scan# 1517
Delta R.T. -0.002 min
Lab File: 3p93870.d
Acq: 13 Jul 2021 6:05 am

Tgt Ion:202 Resp: 271

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.3
201	16.5	0.0	46.8



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/13/21 11:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93846.d
Acq On : 12 Jul 2021 10:00 pm
Operator : chriss2
Sample : op34258a-mb1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:23:08 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

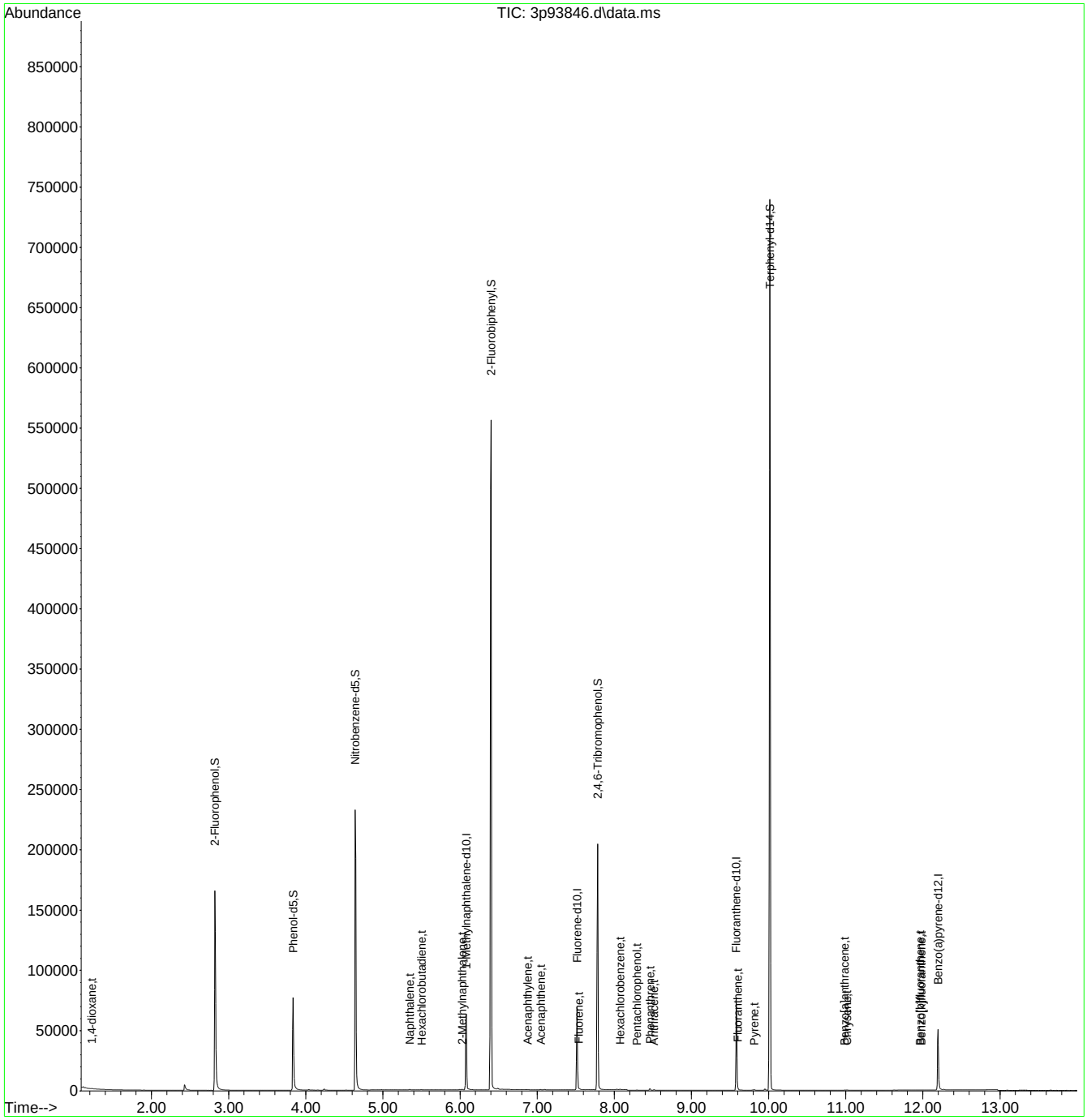
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.082	150	19060	800.00	ppb	0.00
12) Fluorene-d10	7.517	176	28556	800.00	ppb	0.00
19) Fluoranthene-d10	9.581	212	51700	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.196	264	32802	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.822	112	76252	5270.05	ppb	0.00
Spiked Amount 50.000			Recovery	= 10540.10%		
4) Phenol-d5	3.836	99	69305	3528.43	ppb	0.00
Spiked Amount 50.000			Recovery	= 7056.86%		
7) Nitrobenzene-d5	4.641	82	152297	7855.92	ppb	0.00
Spiked Amount 50.000			Recovery	= 15711.84%		
13) 2-Fluorobiphenyl	6.403	172	305903	7656.56	ppb	0.00
Spiked Amount 50.000			Recovery	= 15313.12%		
18) 2,4,6-Tribromophenol	7.784	330	71290	9766.78	ppb	0.00
Spiked Amount 50.000			Recovery	= 19533.56%		
26) Terphenyl-d14	10.016	244	438517	9545.81	ppb	0.00
Spiked Amount 50.000			Recovery	= 19091.62%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.224	88	27m	3.80	ppb	
8) Naphthalene	5.347	128	386	6.56	ppb	98
9) Hexachlorobutadiene	5.500	225	86	5.88	ppb	93
10) 2-Methylnaphthalene	6.028	141	183	5.41	ppb	90
14) Acenaphthylene	6.877	152	73	1.25	ppb	91
15) Acenaphthene	7.047	153	95	2.33	ppb	89
17) Fluorene	7.541	166	325	6.76	ppb	96
20) Hexachlorobenzene	8.076	284	138	8.18	ppb	97
21) Pentachlorophenol	8.291	266	160	16.95	ppb	94
22) Phenanthrene	8.463	178	1051	15.12	ppb	99
23) Anthracene	8.514	178	468	7.23	ppb	99
24) Fluoranthene	9.600	202	584	7.07	ppb	98
25) Pyrene	9.813	202	431	5.13	ppb	96
27) Benzo[a]anthracene	10.986	228	96	1.47	ppb	92
28) Chrysene	11.016	228	160	2.18	ppb	95
30) Benzo[b]fluoranthene	11.961	252	96	1.58	ppb	91
31) Benzo[k]fluoranthene	11.982	252	54	0.88	ppb	87

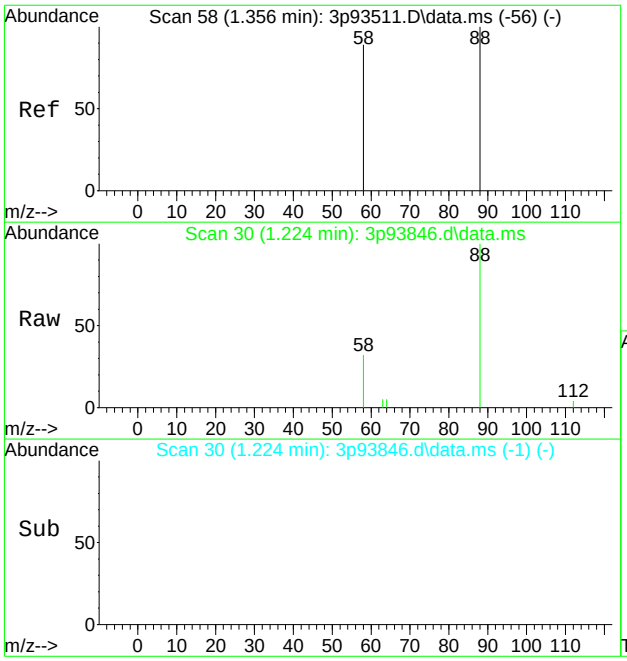
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93846.d
Acq On : 12 Jul 2021 10:00 pm
Operator : chriss2
Sample : op34258a-mb1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:23:08 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

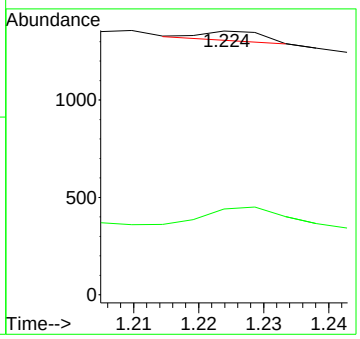


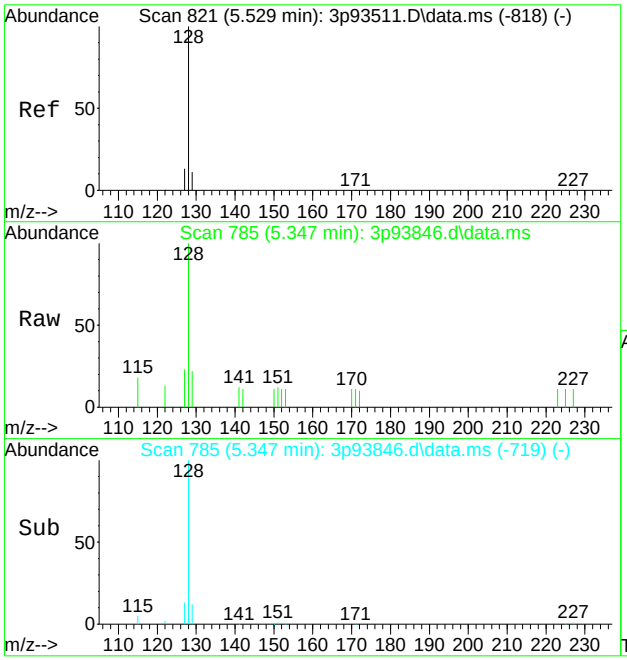


#2
1,4-dioxane
Concen: 3.80 ppb m
RT: 1.224 min Scan# 30
Delta R.T. 0.009 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion: 88 Resp: 27

Ion	Ratio	Lower	Upper
88	100		
58	32.5	18.5	58.5

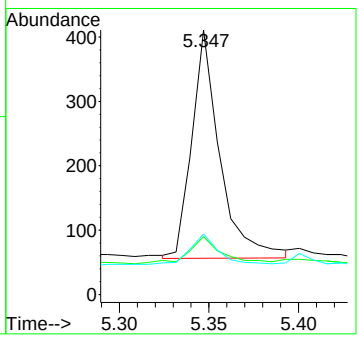


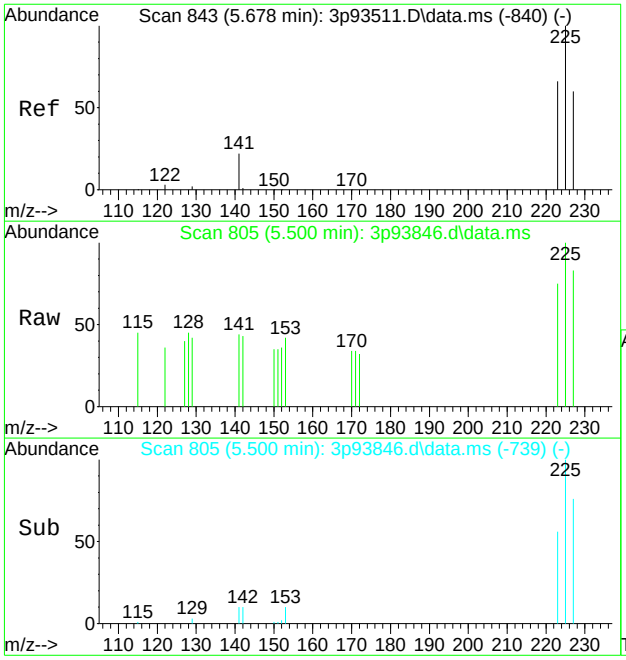


#8
Naphthalene
Concen: 6.56 ppb
RT: 5.347 min Scan# 785
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:128 Resp: 386

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	41.4
127	13.0	0.0	42.2

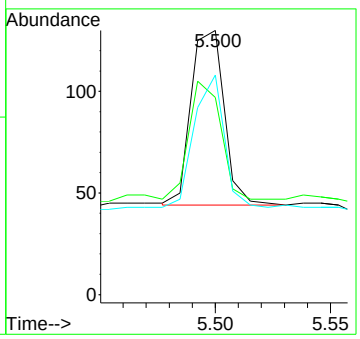


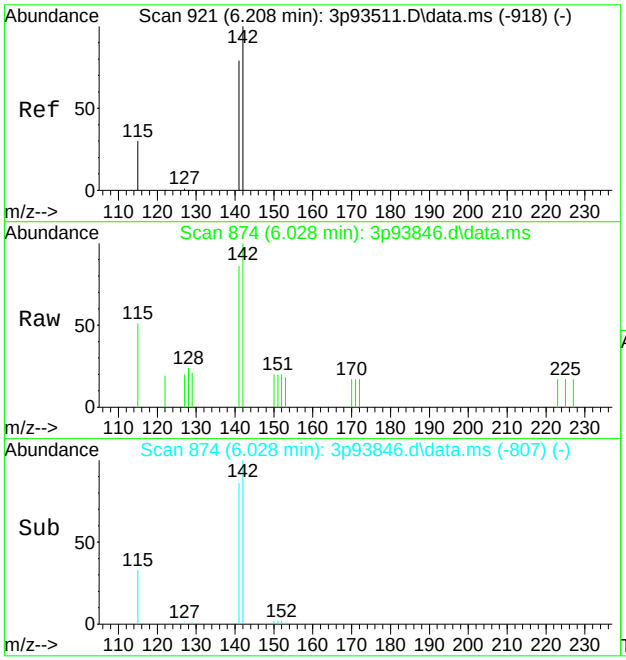


#9
Hexachlorobutadiene
Concen: 5.88 ppb
RT: 5.500 min Scan# 805
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:225 Resp: 86

Ion	Ratio	Lower	Upper
225	100		
223	58.5	29.3	89.3
227	75.4	35.7	95.7

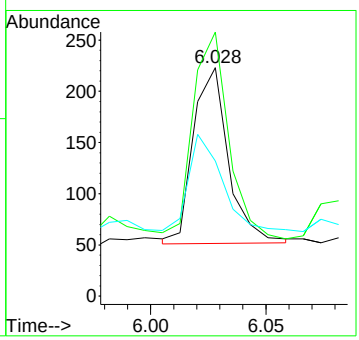


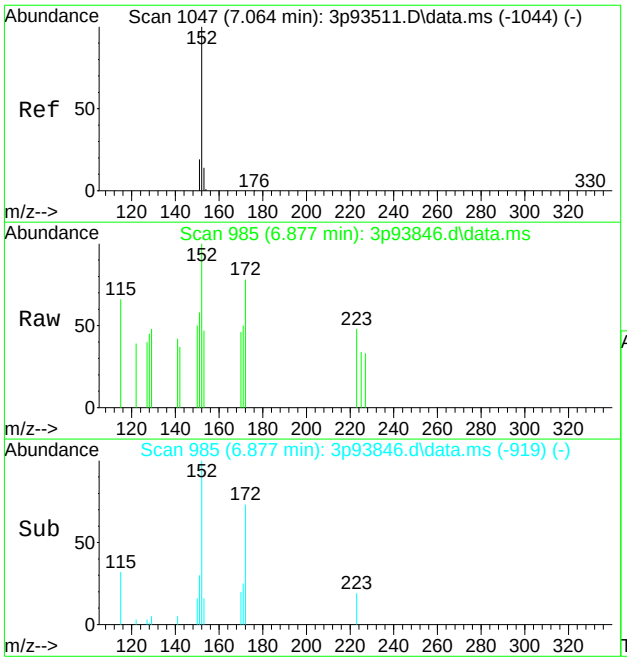


#10
2-Methylnaphthalene
Concen: 5.41 ppb
RT: 6.028 min Scan# 874
Delta R.T. 0.010 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:141 Resp: 183

Ion	Ratio	Lower	Upper
141	100		
142	119.2	87.0	147.0
115	40.4	29.3	89.3

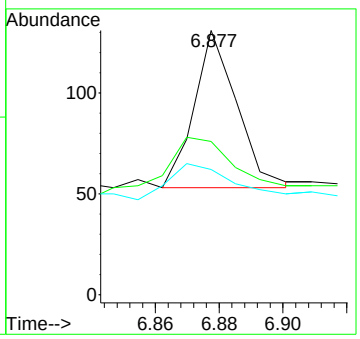


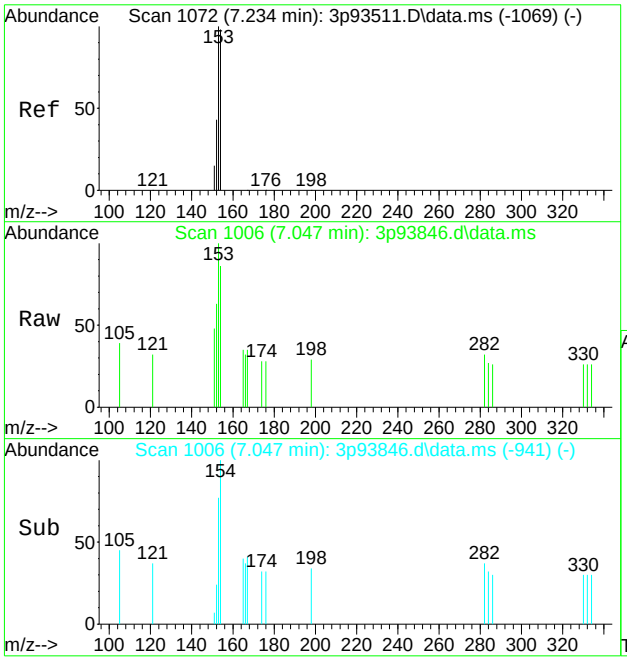


#14
Acenaphthylene
Concen: 1.25 ppb
RT: 6.877 min Scan# 985
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:152 Resp: 73

Ion	Ratio	Lower	Upper
152	100		
151	25.5	0.0	49.2
153	13.1	0.0	43.9

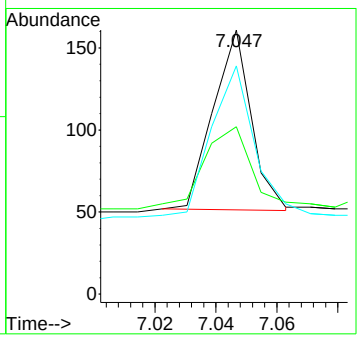


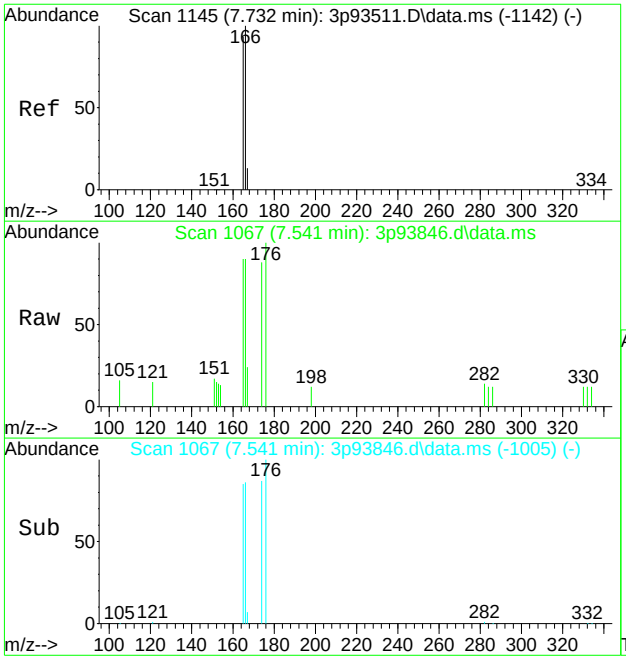


#15
Acenaphthene
Concen: 2.33 ppb
RT: 7.047 min Scan# 1006
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:153 Resp: 95

Ion	Ratio	Lower	Upper
153	100		
152	42.9	13.3	73.3
154	80.6	66.2	126.2

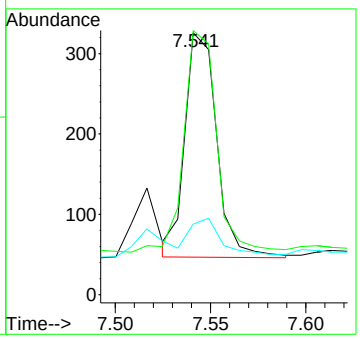


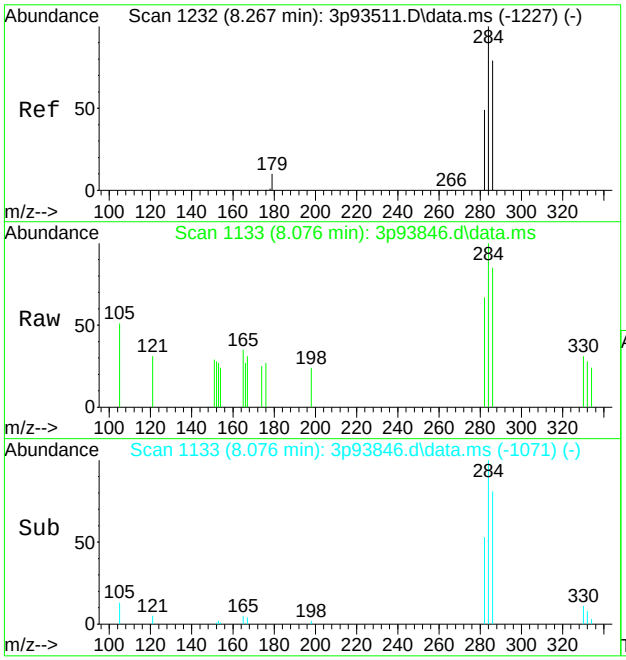


#17
Fluorene
Concen: 6.76 ppb
RT: 7.541 min Scan# 1067
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:166 Resp: 325

Ion	Ratio	Lower	Upper
166	100		
165	100.9	66.9	126.9
167	11.0	0.0	42.8

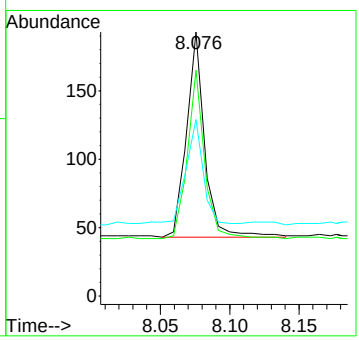


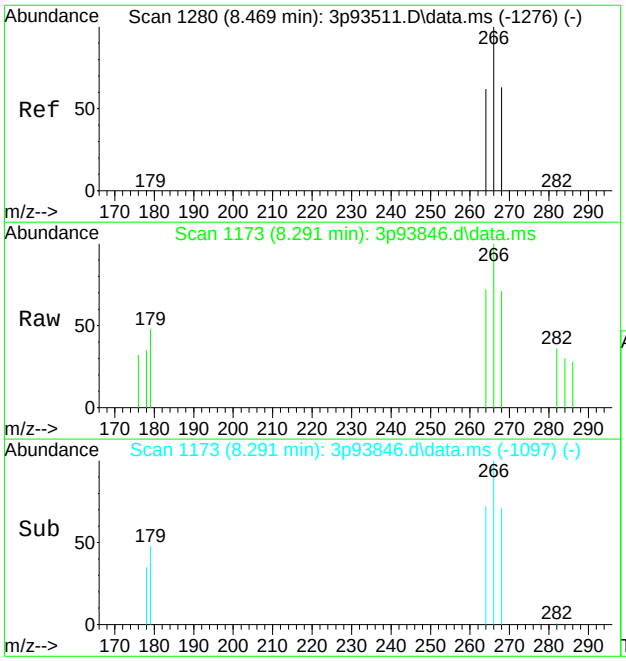


#20
Hexachlorobenzene
Concen: 8.18 ppb
RT: 8.076 min Scan# 1133
Delta R.T. 0.002 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:284 Resp: 138

Ion	Ratio	Lower	Upper
284	100		
286	82.3	50.9	110.9
282	50.8	17.8	77.8

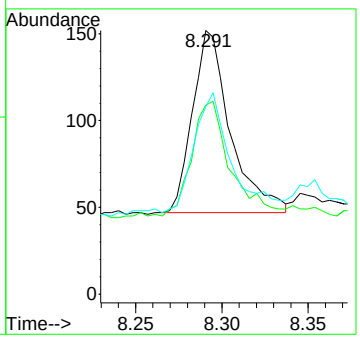


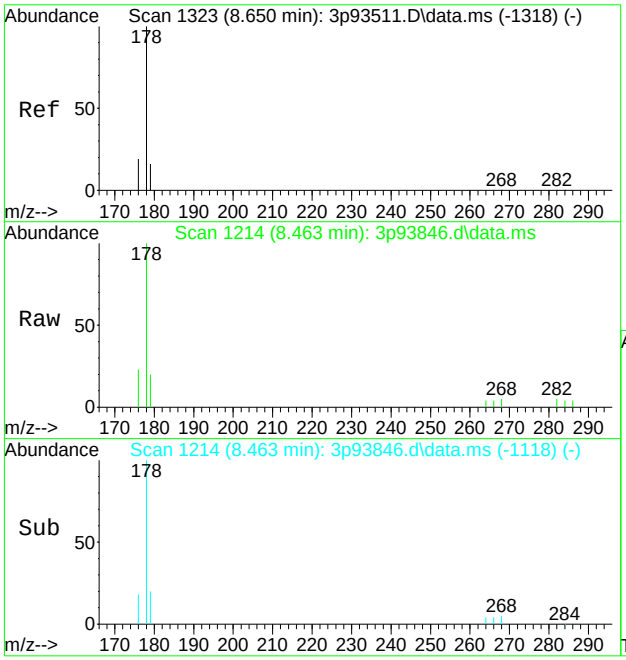


#21
Pentachlorophenol
Concen: 16.95 ppb
RT: 8.291 min Scan# 1173
Delta R.T. 0.007 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:266 Resp: 160

Ion	Ratio	Lower	Upper
266	100		
264	60.5	29.8	89.8
268	56.1	35.1	95.1

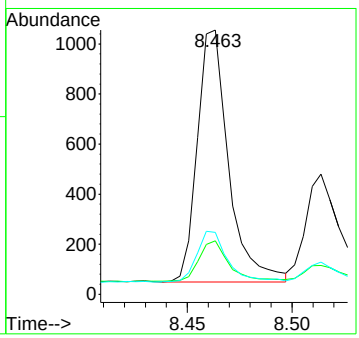


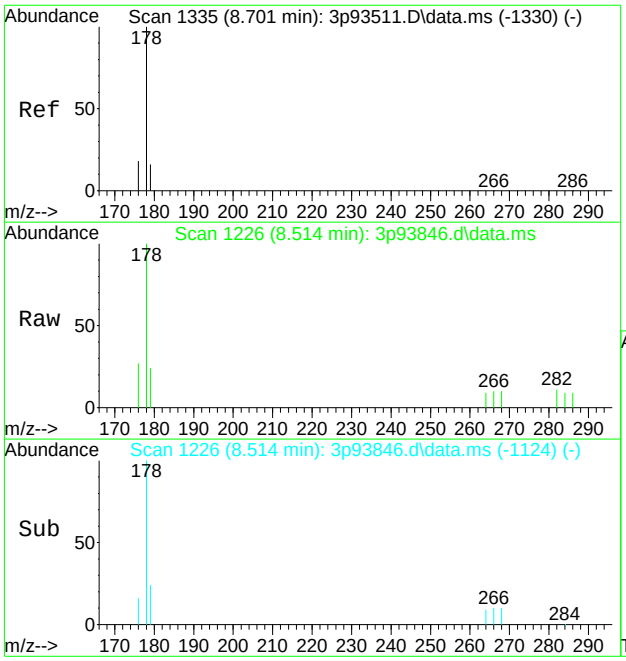


#22
Phenanthrene
Concen: 15.12 ppb
RT: 8.463 min Scan# 1214
Delta R.T. 0.011 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:178 Resp: 1051

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	44.9
176	19.7	0.0	49.8

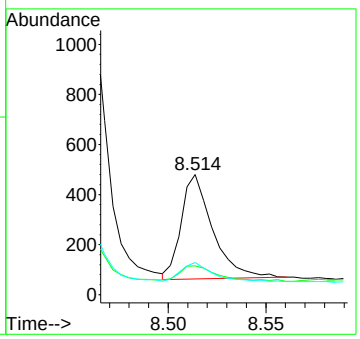


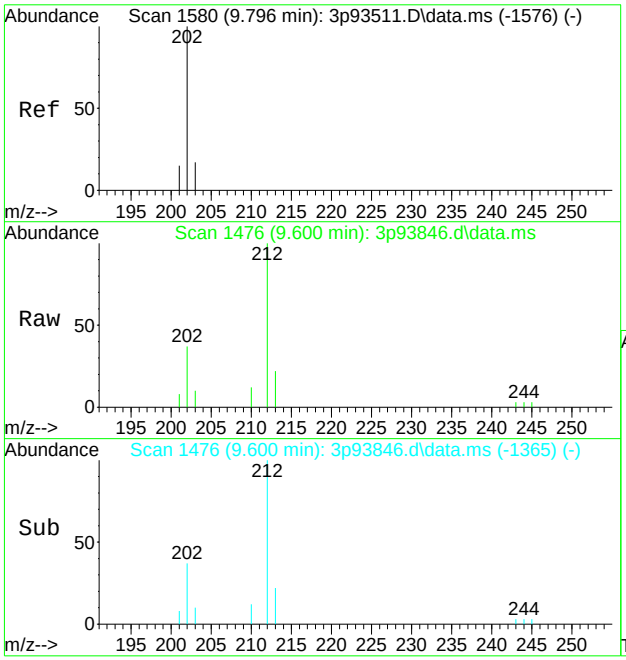


#23
Anthracene
Concen: 7.23 ppb
RT: 8.514 min Scan# 1226
Delta R.T. 0.011 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:178 Resp: 468

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.0
176	18.8	0.0	48.7

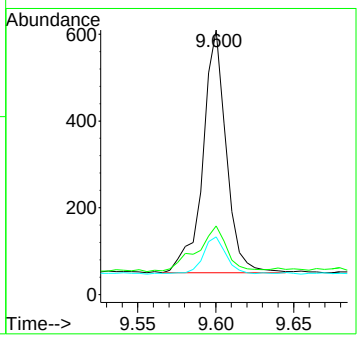


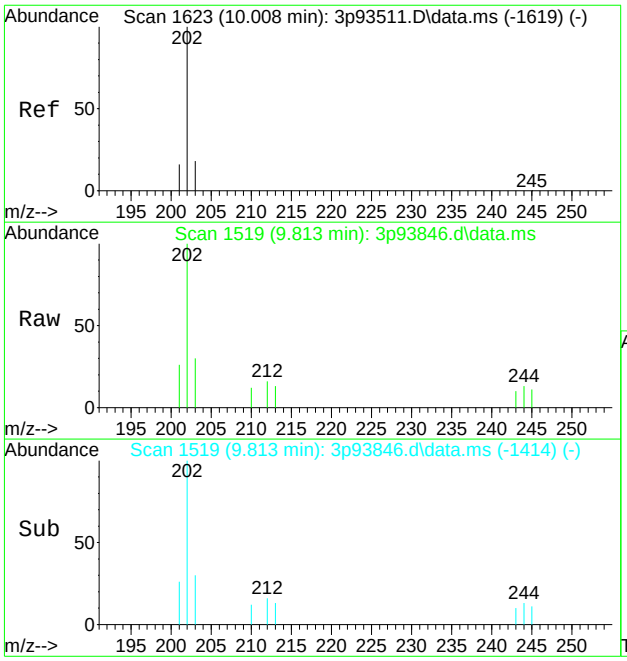


#24
Fluoranthene
Concen: 7.07 ppb
RT: 9.600 min Scan# 1476
Delta R.T. 0.003 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:202 Resp: 584

Ion	Ratio	Lower	Upper
202	100		
203	18.2	0.0	47.5
201	14.9	0.0	44.2

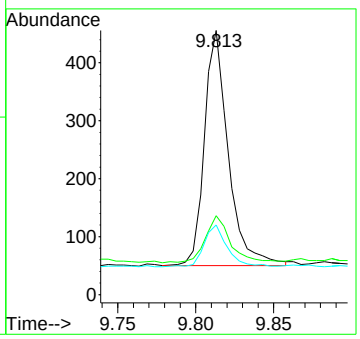


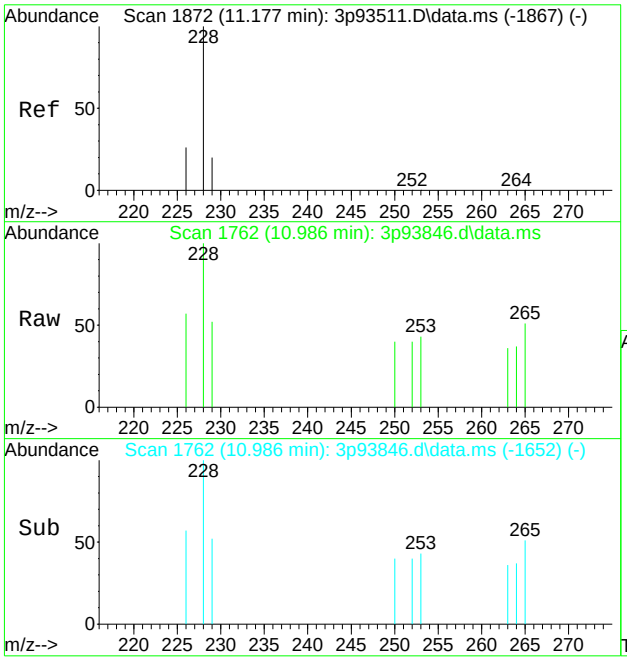


#25
Pyrene
Concen: 5.13 ppb
RT: 9.813 min Scan# 1519
Delta R.T. 0.008 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:202 Resp: 431

Ion	Ratio	Lower	Upper
202	100		
203	19.8	0.0	47.3
201	17.6	0.0	46.8

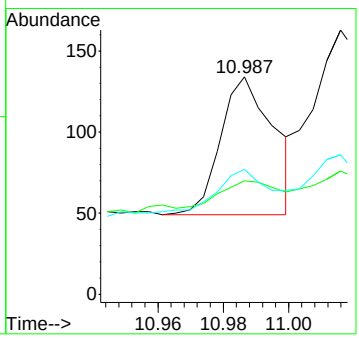


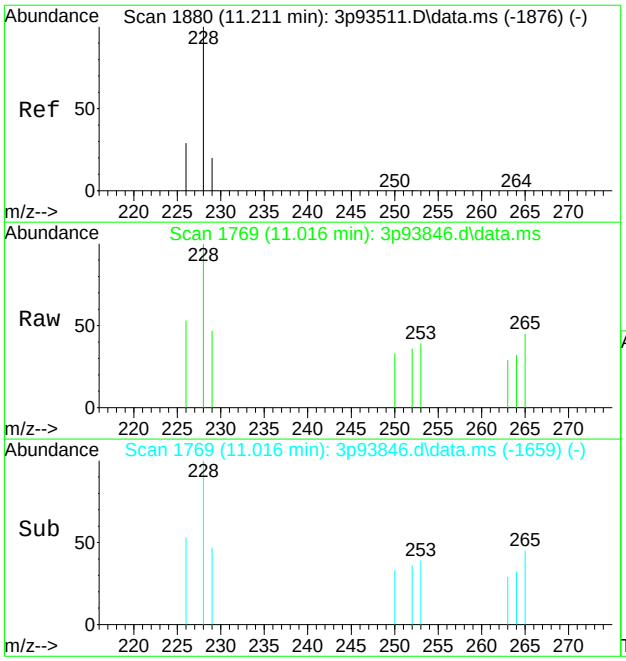


#27
Benzo[a]anthracene
Concen: 1.47 ppb
RT: 10.986 min Scan# 1762
Delta R.T. 0.015 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:228 Resp: 96

Ion	Ratio	Lower	Upper
228	100		
229	18.0	0.0	49.5
226	32.0	0.0	56.2

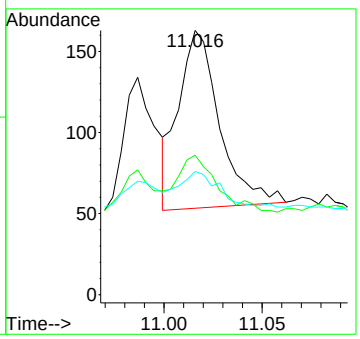


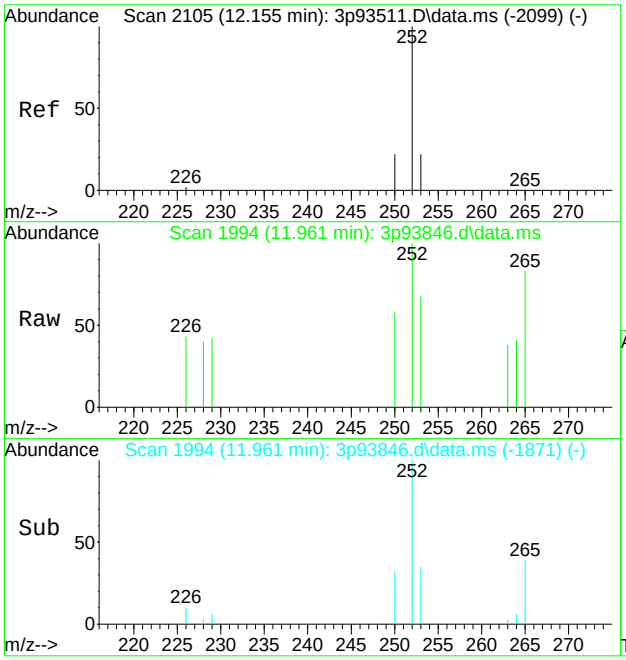


#28
Chrysene
Concen: 2.18 ppb
RT: 11.016 min Scan# 1769
Delta R.T. 0.011 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:228 Resp: 160

Ion	Ratio	Lower	Upper
228	100		
226	32.0	0.0	58.3
229	20.3	0.0	49.7

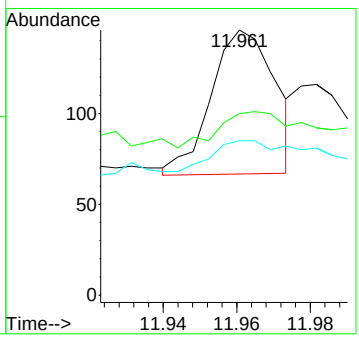


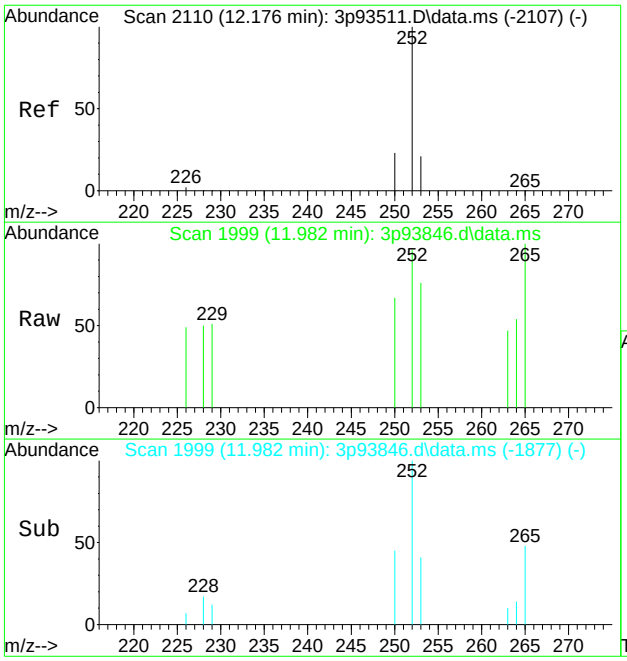


#30
Benzo[b]fluoranthene
Concen: 1.58 ppb
RT: 11.961 min Scan# 1994
Delta R.T. 0.015 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:252 Resp: 96

Ion	Ratio	Lower	Upper
252	100		
253	18.4	0.0	51.9
250	17.5	0.0	53.0

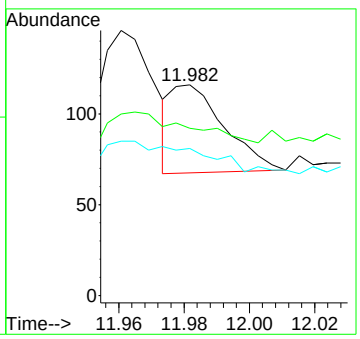




#31
Benzo[k]fluoranthene
Concen: 0.88 ppb
RT: 11.982 min Scan# 1999
Delta R.T. 0.011 min
Lab File: 3p93846.d
Acq: 12 Jul 2021 10:00 pm

Tgt Ion:252 Resp: 54

Ion	Ratio	Lower	Upper
252	100		
253	10.9	0.0	51.9
250	20.0	0.0	51.6



Manual Integration Approval Summary

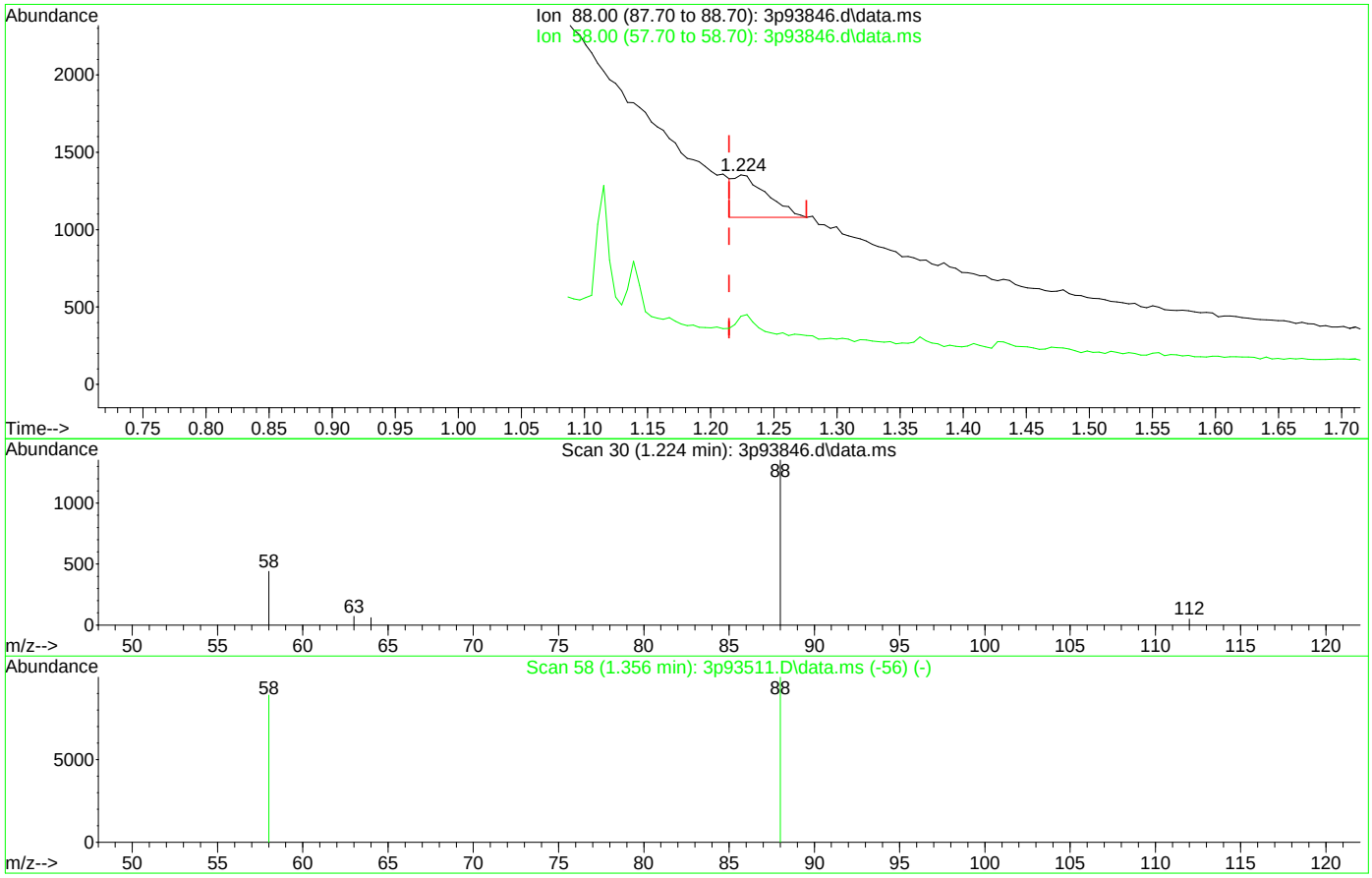
Sample Number:	OP34258A-MB1	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93846.D	**Analyst approved:**	07/13/21 03:25 Jeryll Fabriene Reyes
Injection Time:	07/12/21 22:00	**Supervisor approved:**	07/13/21 11:32 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.22	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93846.d
Acq On : 12 Jul 2021 10:00 pm
Operator : chriss2
Sample : op34258a-mb1 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:08:26 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93846.d\data.ms

(2) 1,4-dioxane (t)

1.224min (+0.009) 70.60ppb

response 502

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	67.11#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/13/21 11:32

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93853.d
Acq On : 13 Jul 2021 12:51 am
Operator : chriss2
Sample : op34258a-bs12 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:35:57 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

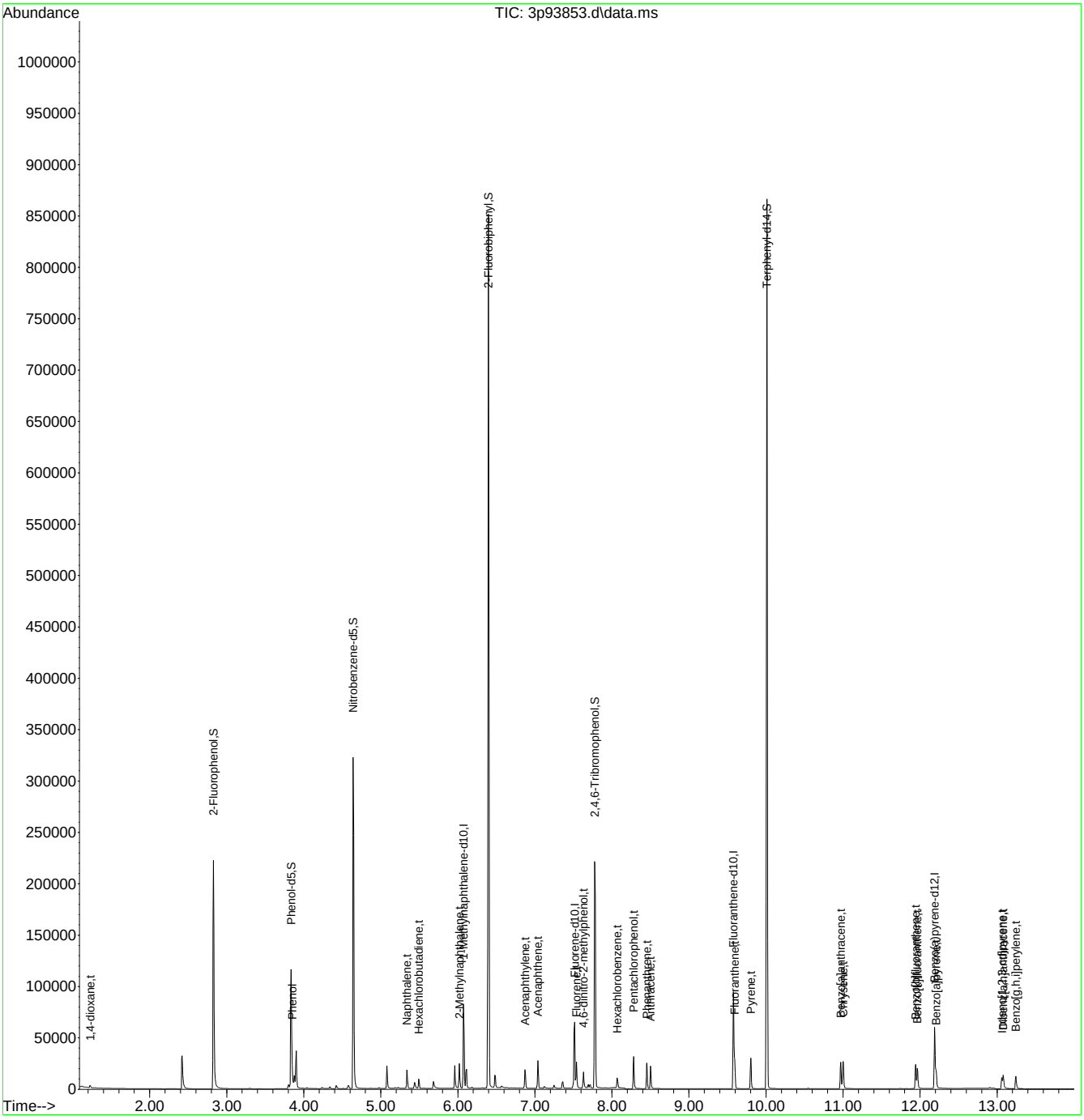
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	22775	800.00	ppb	# 0.00
12) Fluorene-d10	7.517	176	34053	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	64468	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	38065	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	101273	5857.63	ppb	0.00
Spiked Amount 50.000			Recovery	= 11715.26%		
4) Phenol-d5	3.836	99	94378	4021.17	ppb	0.00
Spiked Amount 50.000			Recovery	= 8042.34%		
7) Nitrobenzene-d5	4.641	82	200813	8668.86	ppb	0.00
Spiked Amount 50.000			Recovery	= 17337.72%		
13) 2-Fluorobiphenyl	6.395	172	427582	8974.52	ppb	0.00
Spiked Amount 50.000			Recovery	= 17949.04%		
18) 2,4,6-Tribromophenol	7.776	330	90085	10349.45	ppb	0.00
Spiked Amount 50.000			Recovery	= 20698.90%		
26) Terphenyl-d14	10.011	244	517250	9029.70	ppb	0.00
Spiked Amount 50.000			Recovery	= 18059.40%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.229	88	1021m	120.16	ppb	
5) Phenol	3.850	94	11101	443.12	ppb	# 81
8) Naphthalene	5.339	128	11301	160.66	ppb	98
9) Hexachlorobutadiene	5.492	225	2802	160.45	ppb	92
10) 2-Methylnaphthalene	6.020	141	7052	174.36	ppb	90
14) Acenaphthylene	6.870	152	11468	164.76	ppb	97
15) Acenaphthene	7.039	153	8213	169.19	ppb	93
16) 4,6-dinitro-2-methylph...	7.630	198	8165	1015.30	ppb	60
17) Fluorene	7.541	166	9948	173.58	ppb	95
20) Hexachlorobenzene	8.068	284	3664	174.17	ppb	93
21) Pentachlorophenol	8.282	266	11744	997.70	ppb	98
22) Phenanthrene	8.455	178	16351	188.68	ppb	98
23) Anthracene	8.501	178	14666	181.59	ppb	100
24) Fluoranthene	9.595	202	18315	177.78	ppb	100
25) Pyrene	9.803	202	19283	184.14	ppb	100
27) Benzo[a]anthracene	10.970	228	15658	191.94	ppb	100
28) Chrysene	11.003	228	16635	181.43	ppb	99
30) Benzo[b]fluoranthene	11.944	252	13686	194.72	ppb	98
31) Benzo[k]fluoranthene	11.965	252	13716	191.68	ppb	98
32) Benzo[a]pyrene	12.209	252	11555	162.21	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.062	276	10539	135.71	ppb	99
34) Dibenz[a,h]anthracene	13.079	278	9054	140.83	ppb	98
35) Benzo[g,h,i]perylene	13.242	276	9389	135.19	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93853.d
Acq On : 13 Jul 2021 12:51 am
Operator : chriss2
Sample : op34258a-bs12 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:35:57 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



Manual Integration Approval Summary

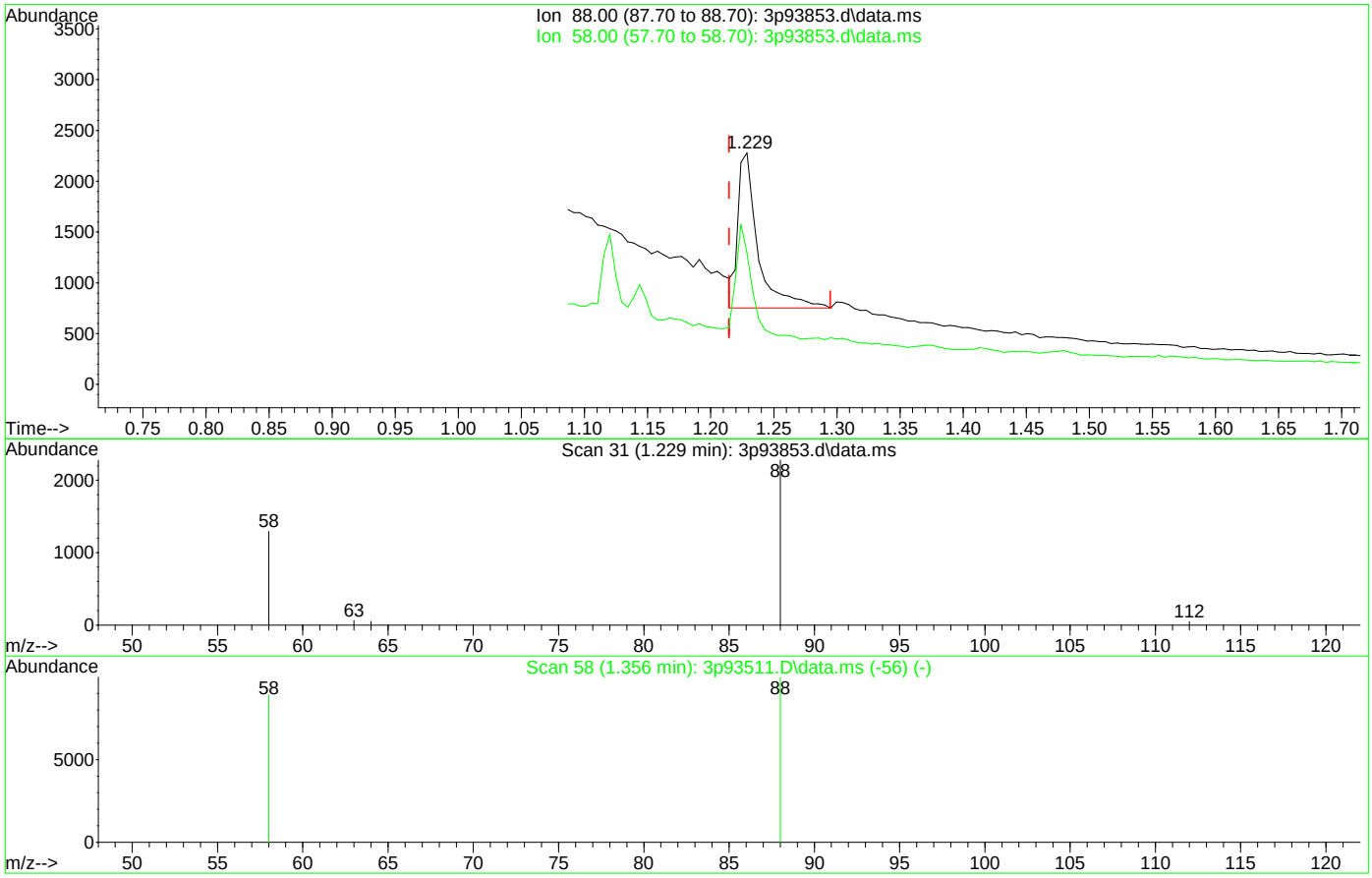
Sample Number:	OP34258A-BS12	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93853.D	**Analyst approved:**	07/13/21 03:25 Jeryll Fabriene Reyes
Injection Time:	07/13/21 00:51	**Supervisor approved:**	07/13/21 11:32 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93853.d
Acq On : 13 Jul 2021 12:51 am
Operator : chriss2
Sample : op34258a-bs12 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:08:59 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93853.d\data.ms

(2) 1,4-dioxane (t)

1.229min (+0.014) 198.08ppb

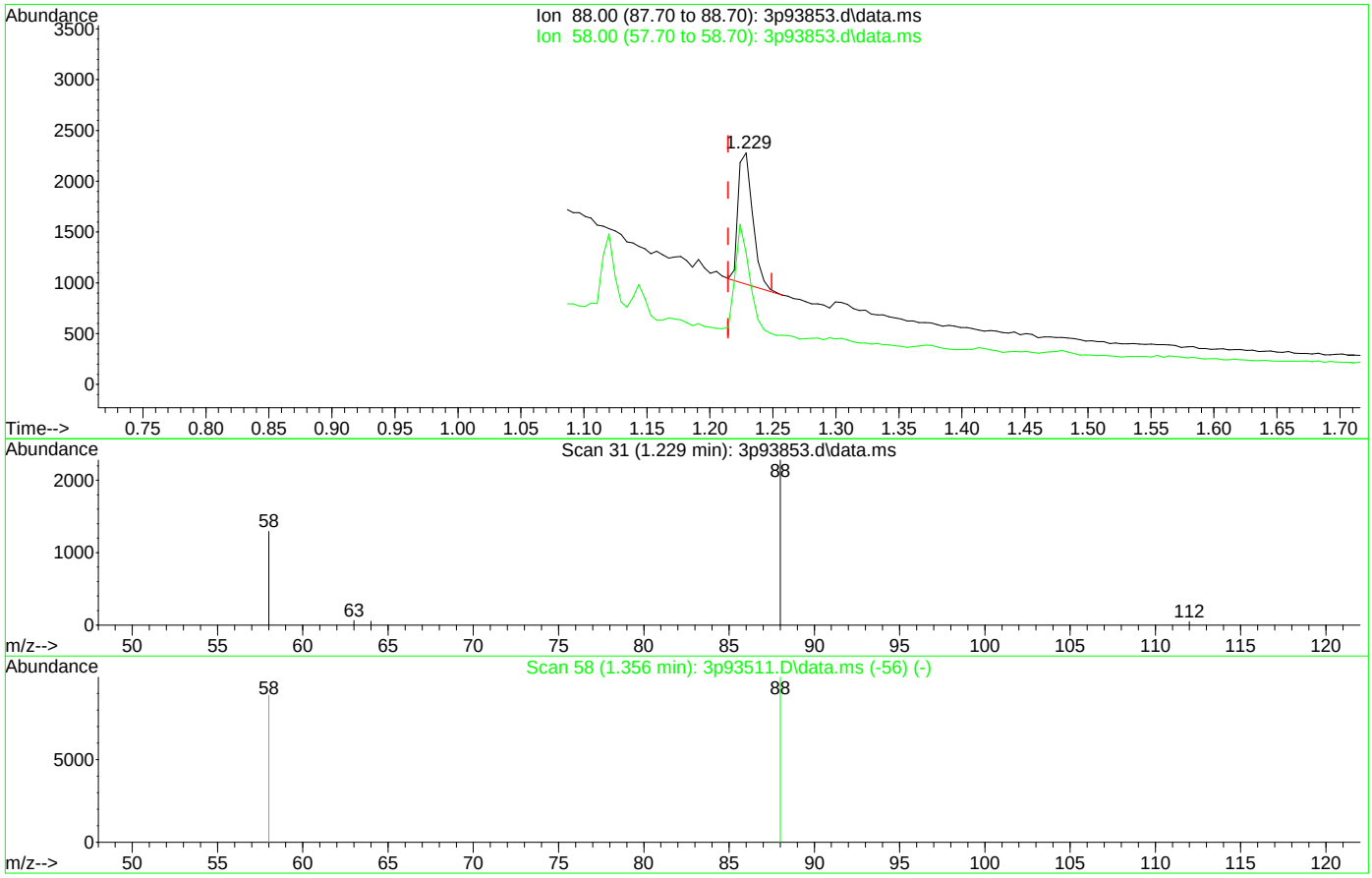
response 1683

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	56.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93853.d
Acq On : 13 Jul 2021 12:51 am
Operator : chriss2
Sample : op34258a-bs12 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:08:59 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93853.d\data.ms

(2) 1,4-dioxane (t)

1.229min (+0.014) 120.16ppb m

response 1021

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	56.62
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93854.d
Acq On : 13 Jul 2021 1:09 am
Operator : chriss2
Sample : op34258a-msa Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:36:41 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

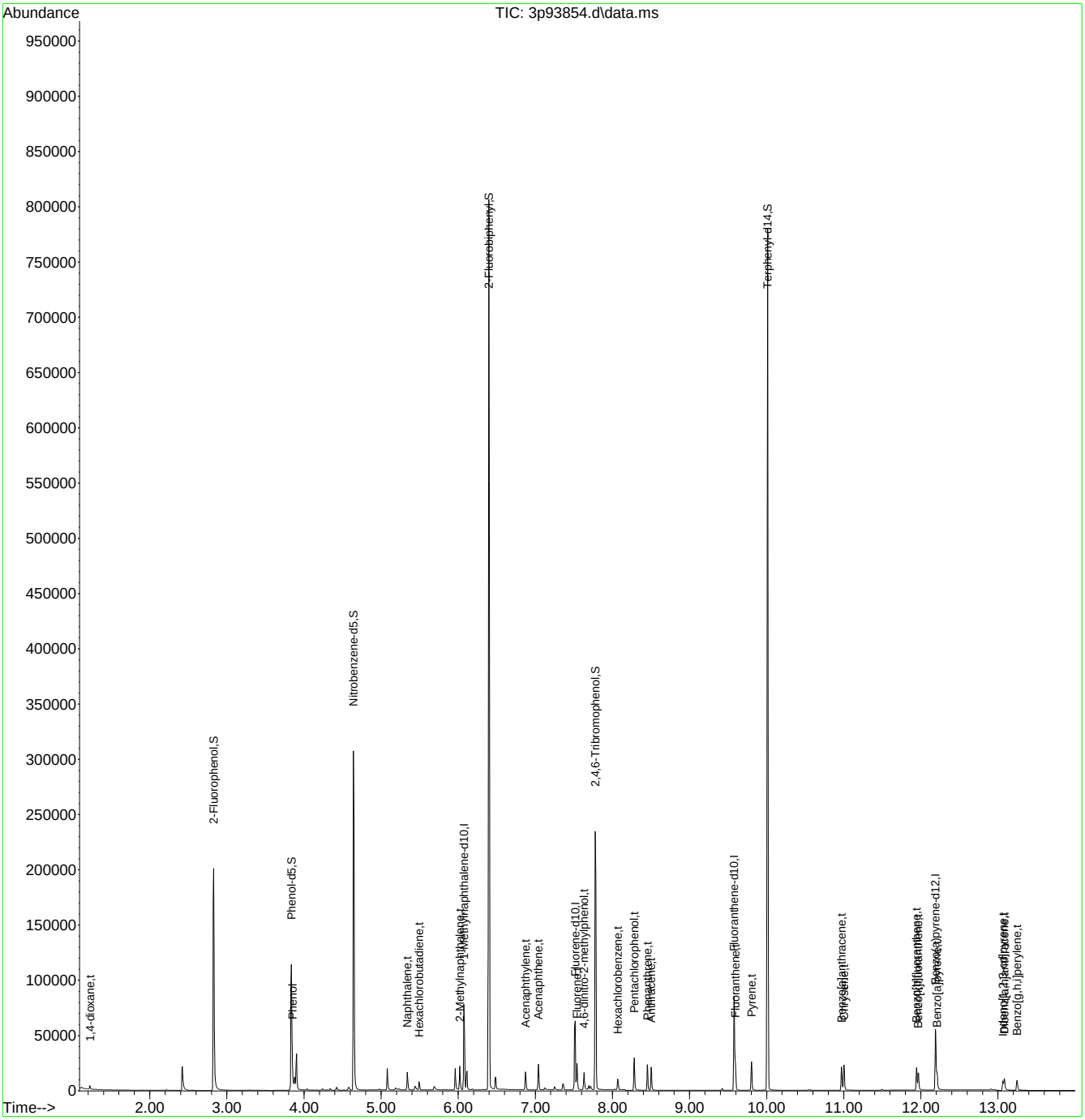
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	21538	800.00	ppb	# 0.00
12) Fluorene-d10	7.517	176	33756	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	58193	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	37196	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	95253	5825.86	ppb	0.00
Spiked Amount 50.000			Recovery	= 11651.72%		
4) Phenol-d5	3.836	99	97482	4391.97	ppb	0.00
Spiked Amount 50.000			Recovery	= 8783.94%		
7) Nitrobenzene-d5	4.641	82	191745	8752.80	ppb	0.00
Spiked Amount 50.000			Recovery	= 17505.60%		
13) 2-Fluorobiphenyl	6.396	172	403191	8537.03	ppb	0.00
Spiked Amount 50.000			Recovery	= 17074.06%		
18) 2,4,6-Tribromophenol	7.776	330	91946	10656.20	ppb	0.00
Spiked Amount 50.000			Recovery	= 21312.40%		
26) Terphenyl-d14	10.011	244	462449	8943.55	ppb	0.00
Spiked Amount 50.000			Recovery	= 17887.10%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.224	88	1451m	180.58	ppb	
5) Phenol	3.850	94	10747	453.63	ppb	# 80
8) Naphthalene	5.339	128	10241	153.95	ppb	98
9) Hexachlorobutadiene	5.493	225	2224	134.66	ppb	92
10) 2-Methylnaphthalene	6.021	141	6241	163.17	ppb	89
14) Acenaphthylene	6.870	152	9999	144.92	ppb	96
15) Acenaphthene	7.039	153	7287	151.44	ppb	94
16) 4,6-dinitro-2-methylph...	7.630	198	8215	1029.16	ppb	59
17) Fluorene	7.541	166	9128	160.68	ppb	97
20) Hexachlorobenzene	8.068	284	3314	174.52	ppb	95
21) Pentachlorophenol	8.283	266	11386	1071.59	ppb	98
22) Phenanthrene	8.455	178	14844	189.76	ppb	97
23) Anthracene	8.501	178	13710	188.05	ppb	100
24) Fluoranthene	9.596	202	15928	171.28	ppb	100
25) Pyrene	9.803	202	16162	170.98	ppb	99
27) Benzo[a]anthracene	10.970	228	12546	170.37	ppb	100
28) Chrysene	11.004	228	13777	166.46	ppb	100
30) Benzo[b]fluoranthene	11.944	252	11882	173.00	ppb	97
31) Benzo[k]fluoranthene	11.965	252	10654	152.37	ppb	97
32) Benzo[a]pyrene	12.209	252	9696	139.30	ppb	100
33) Indeno[1,2,3-cd]pyrene	13.065	276	8234	108.51	ppb	99
34) Dibenz[a,h]anthracene	13.082	278	7213	114.81	ppb	99
35) Benzo[g,h,i]perylene	13.245	276	7296	107.51	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93854.d
Acq On : 13 Jul 2021 1:09 am
Operator : chriss2
Sample : op34258a-msa Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:36:41 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



Manual Integration Approval Summary

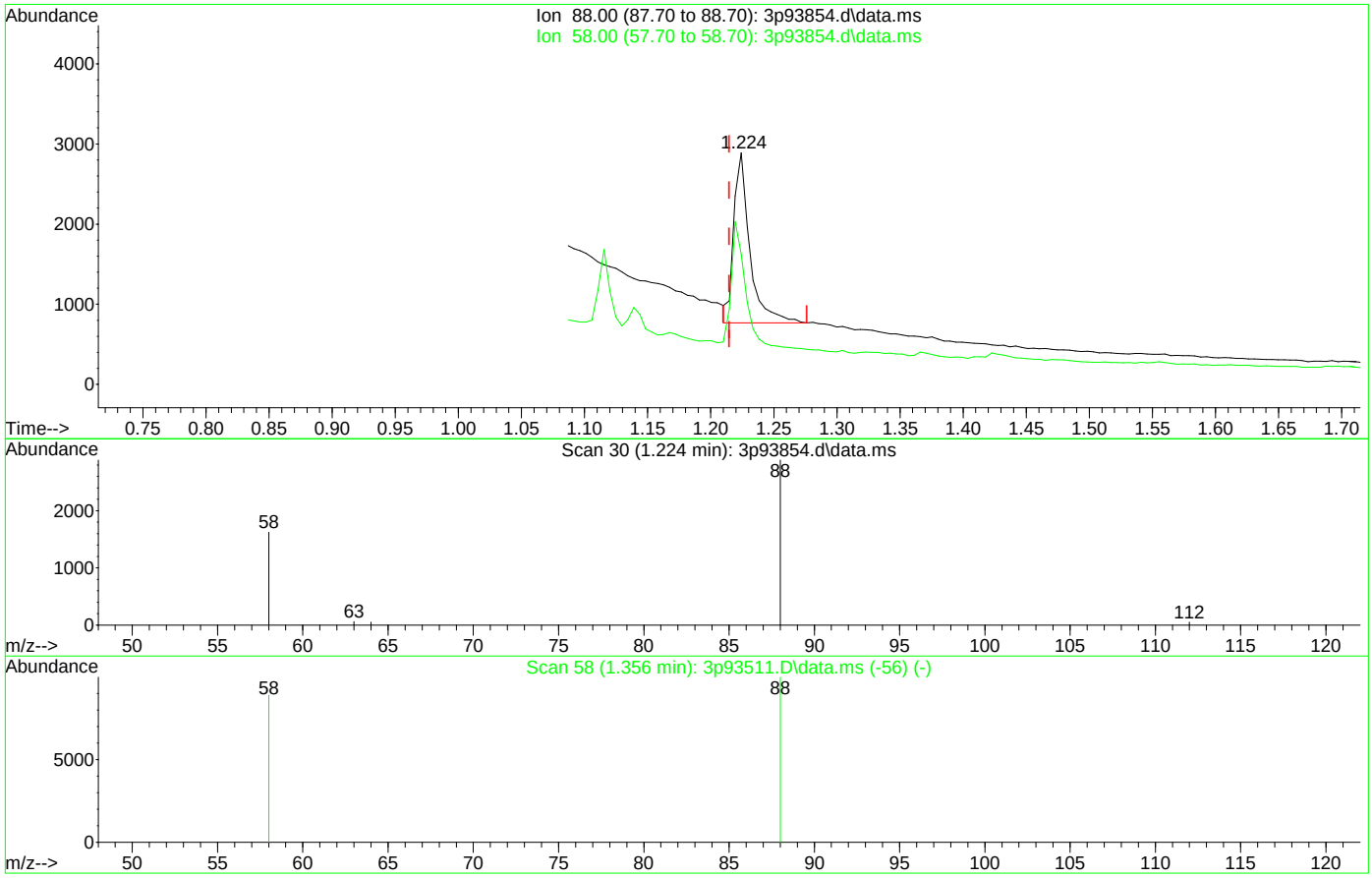
Sample Number: OP34258A-MSA
Lab FileID: 3P93854.D
Injection Time: 07/13/21 01:09
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 03:25 Jeryll Fabriene Reyes
Supervisor approved: 07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.22	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93854.d
Acq On : 13 Jul 2021 1:09 am
Operator : chriss2
Sample : op34258a-msa Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:09:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93854.d\data.ms

(2) 1,4-dioxane (t)

1.224min (+0.010) 232.48ppb

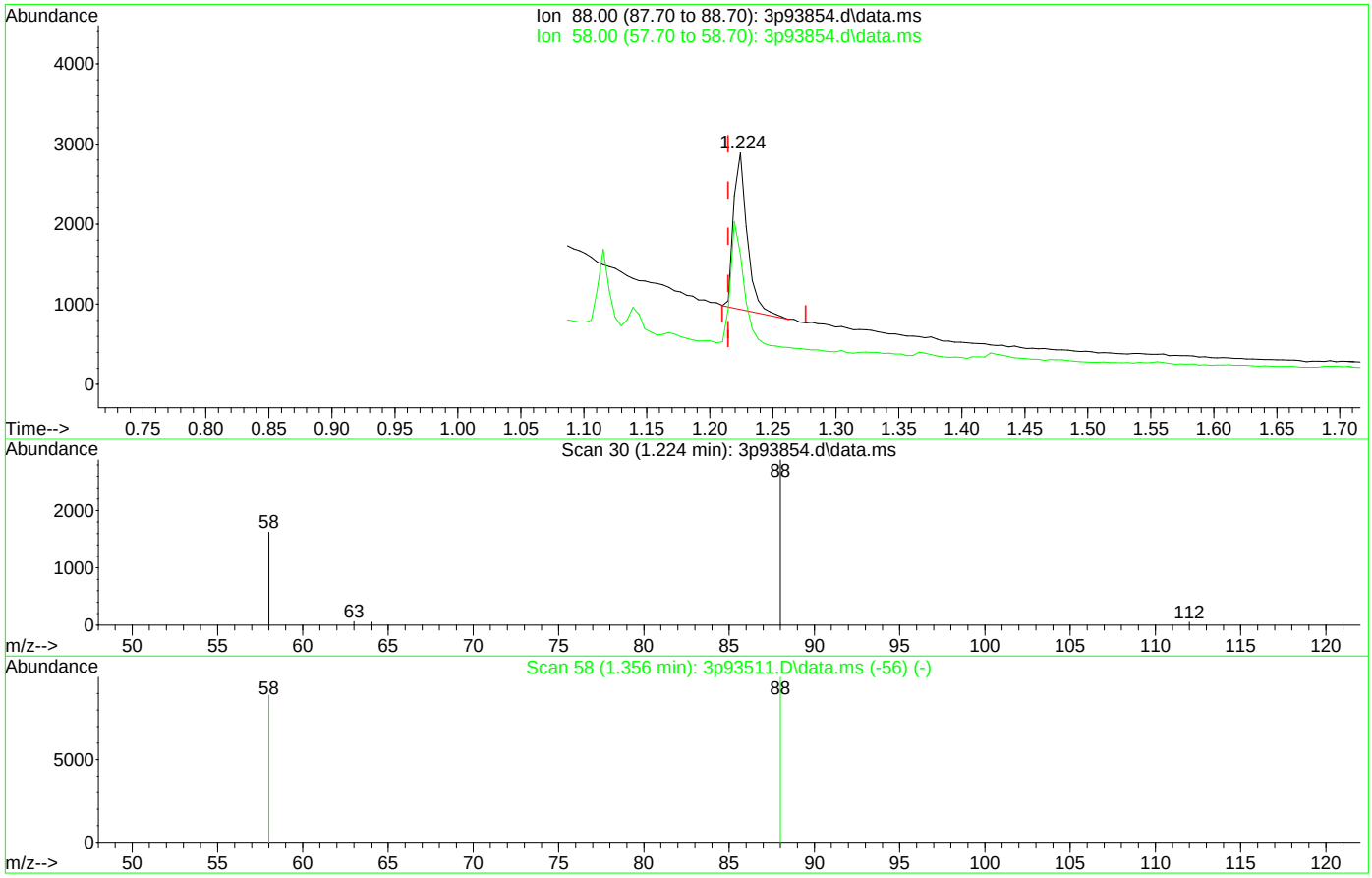
response 1868

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	56.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93854.d
Acq On : 13 Jul 2021 1:09 am
Operator : chriss2
Sample : op34258a-msa Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:09:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93854.d\data.ms

(2) 1,4-dioxane (t)

1.224min (+0.010) 180.58ppb m

response 1451

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	56.21
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/28/21 08:55

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93855.d
Acq On : 13 Jul 2021 1:28 am
Operator : chriss2
Sample : op34258a-msda Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:37:37 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration

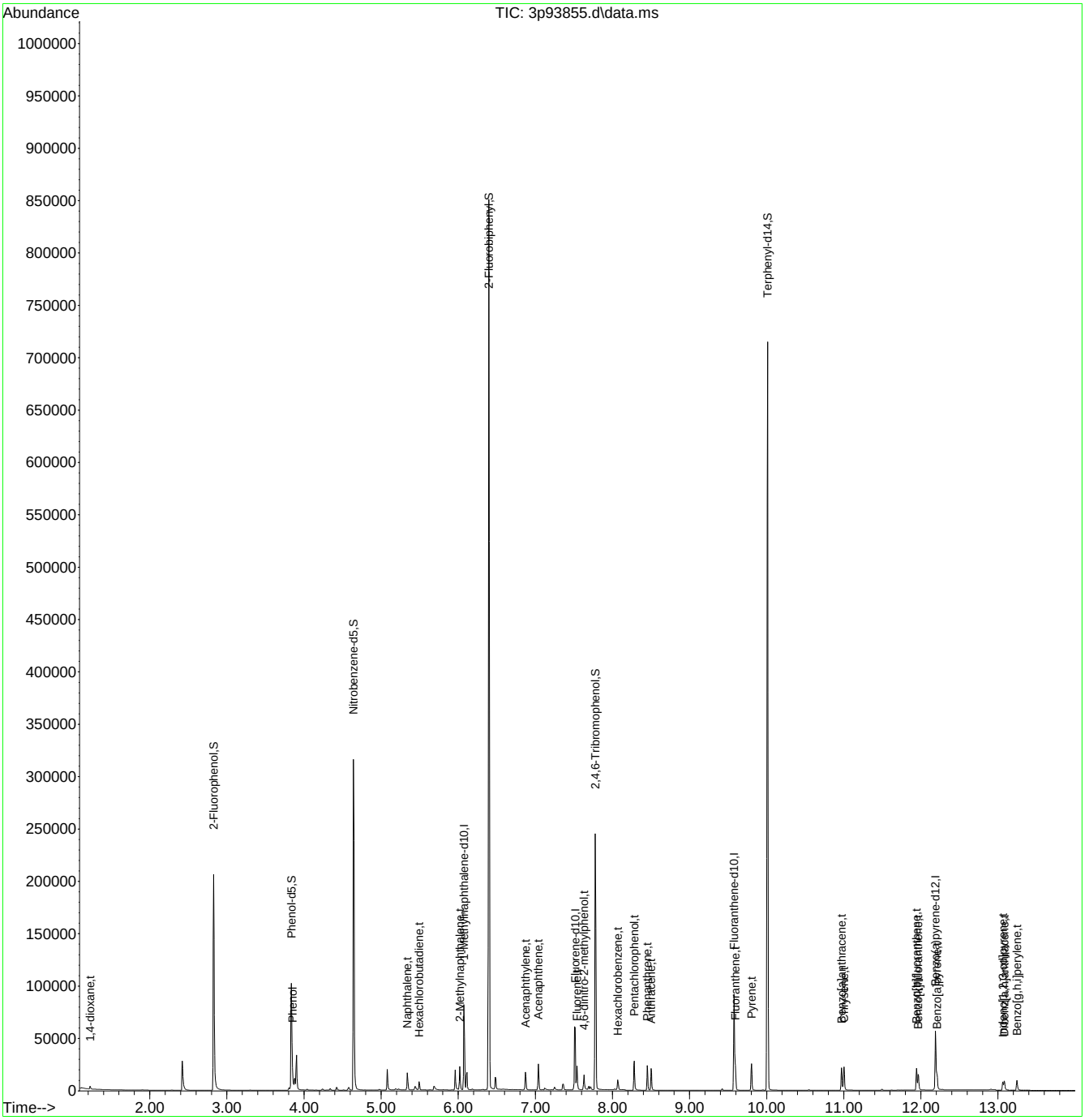
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.074	150	22000	800.00	ppb	# 0.00
12) Fluorene-d10	7.517	176	33822	800.00	ppb	0.00
19) Fluoranthene-d10	9.576	212	60078	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.188	264	36561	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	94197	5640.28	ppb	0.00
Spiked Amount 50.000			Recovery	= 11280.56%		
4) Phenol-d5	3.836	99	85390	3766.38	ppb	0.00
Spiked Amount 50.000			Recovery	= 7532.76%		
7) Nitrobenzene-d5	4.641	82	196559	8784.13	ppb	0.00
Spiked Amount 50.000			Recovery	= 17568.26%		
13) 2-Fluorobiphenyl	6.396	172	408895	8640.91	ppb	0.00
Spiked Amount 50.000			Recovery	= 17281.82%		
18) 2,4,6-Tribromophenol	7.776	330	87616	10134.55	ppb	0.00
Spiked Amount 50.000			Recovery	= 20269.10%		
26) Terphenyl-d14	10.011	244	432120	8094.79	ppb	0.00
Spiked Amount 50.000			Recovery	= 16189.58%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.224	88	1080m	131.59	ppb	
5) Phenol	3.850	94	9583	396.00	ppb	# 82
8) Naphthalene	5.339	128	10734	157.98	ppb	98
9) Hexachlorobutadiene	5.493	225	2312	137.05	ppb	93
10) 2-Methylnaphthalene	6.021	141	6495	166.24	ppb	89
14) Acenaphthylene	6.870	152	10920	157.96	ppb	97
15) Acenaphthene	7.039	153	7531	156.20	ppb	95
16) 4,6-dinitro-2-methylph...	7.630	198	7489	944.14	ppb	63
17) Fluorene	7.541	166	9188	161.42	ppb	95
20) Hexachlorobenzene	8.068	284	3368	171.79	ppb	94
21) Pentachlorophenol	8.282	266	10983	1001.23	ppb	98
22) Phenanthrene	8.451	178	14581	180.55	ppb	100
23) Anthracene	8.501	178	13704	182.07	ppb	100
24) Fluoranthene	9.596	202	15859	165.19	ppb	99
25) Pyrene	9.803	202	16331	167.34	ppb	100
27) Benzo[a]anthracene	10.970	228	12760	167.84	ppb	99
28) Chrysene	11.004	228	13469	157.63	ppb	100
30) Benzo[b]fluoranthene	11.944	252	12414	183.89	ppb	97
31) Benzo[k]fluoranthene	11.965	252	9841	143.19	ppb	99
32) Benzo[a]pyrene	12.209	252	9604	140.37	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.062	276	7722	103.53	ppb	100
34) Dibenz[a,h]anthracene	13.082	278	6393	103.53	ppb	99
35) Benzo[g,h,i]perylene	13.245	276	7143	107.08	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93855.d
Acq On : 13 Jul 2021 1:28 am
Operator : chriss2
Sample : op34258a-msda Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:37:37 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



Manual Integration Approval Summary

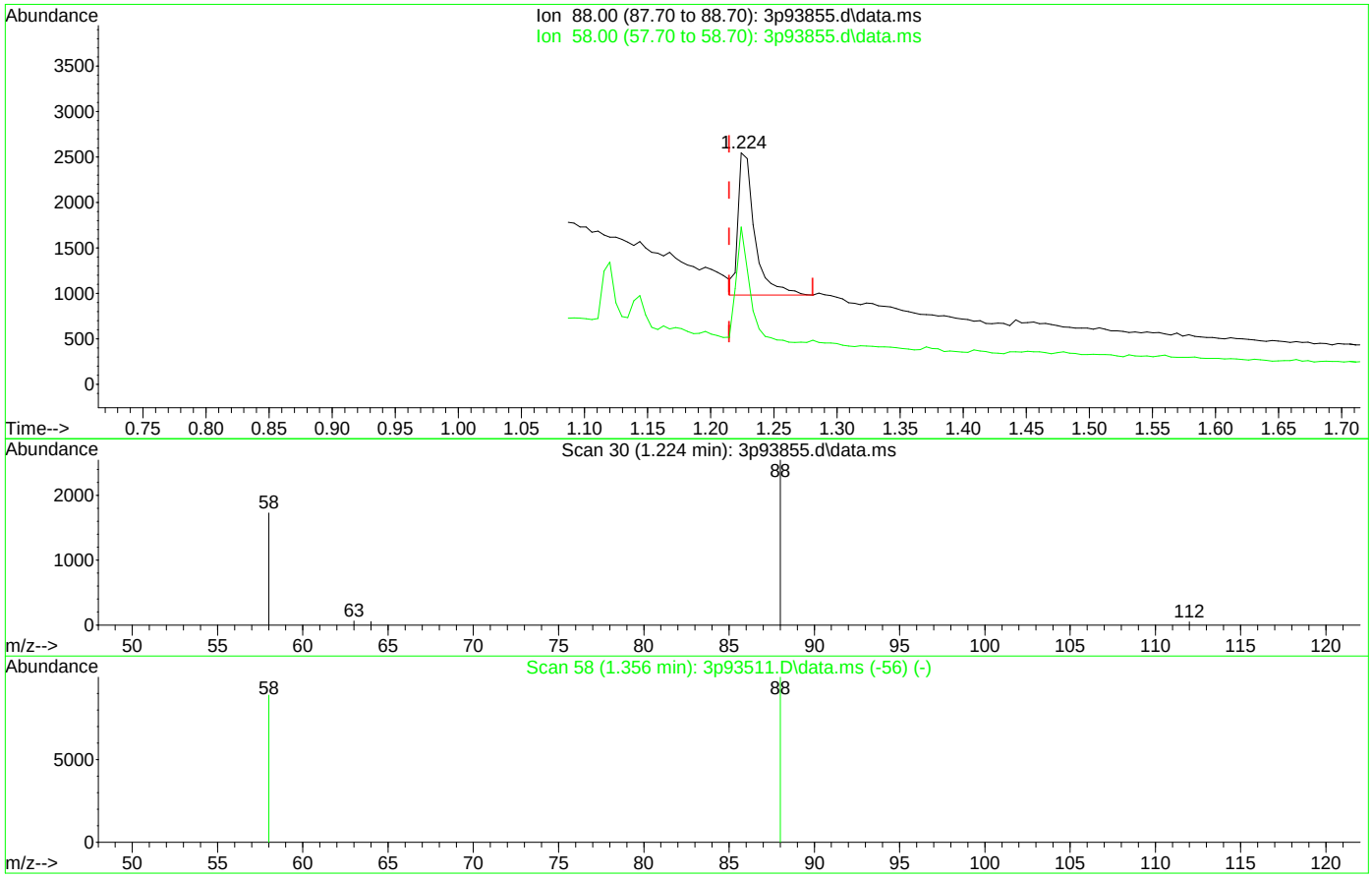
Sample Number:	OP34258A-MSDA	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93855.D	**Analyst approved:**	07/13/21 03:25 Jeryll Fabriene Reyes
Injection Time:	07/13/21 01:28	**Supervisor approved:**	07/28/21 08:55 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.22	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93855.d
Acq On : 13 Jul 2021 1:28 am
Operator : chriss2
Sample : op34258a-msda Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:09:06 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93855.d\data.ms

(2) 1,4-dioxane (t)

1.224min (+0.010) 174.60ppb

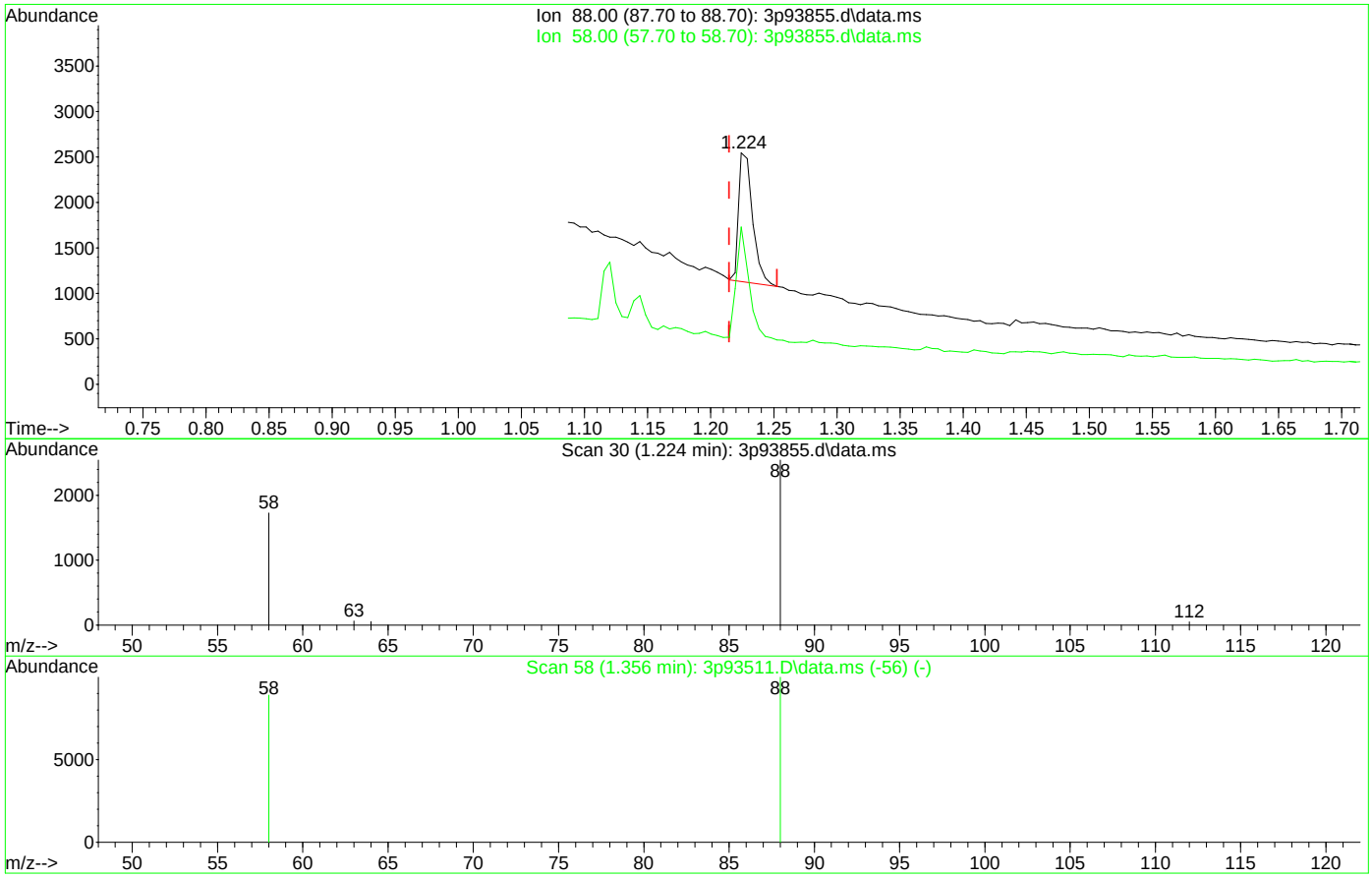
response 1433

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	82.97#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93855.d
Acq On : 13 Jul 2021 1:28 am
Operator : chriss2
Sample : op34258a-msda Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:09:06 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 02:08:01 2021
Response via : Initial Calibration



TIC: 3p93855.d\data.ms

(2) 1,4-dioxane (t)

1.224min (+0.010) 131.59ppb m

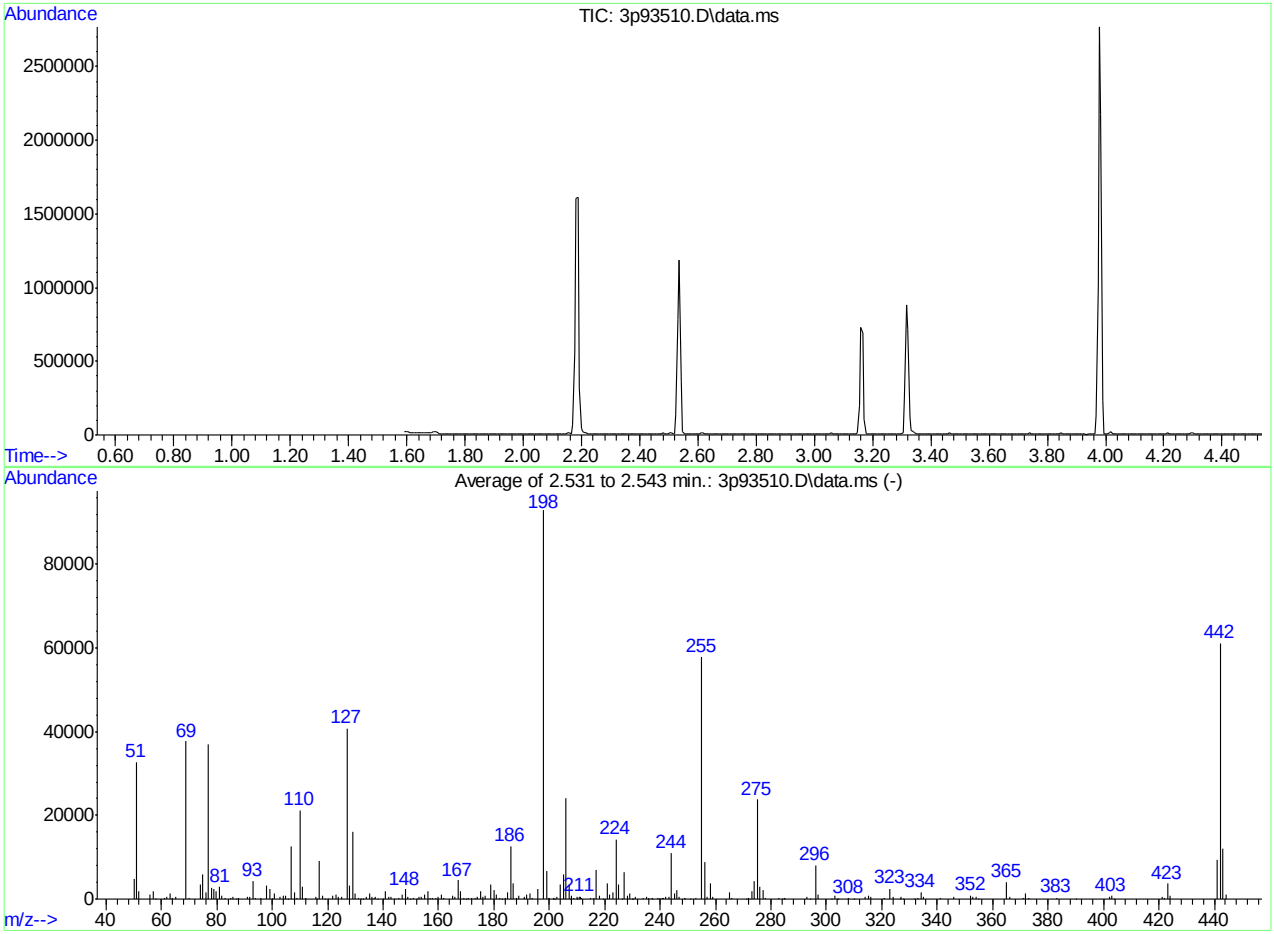
response 1080

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	67.95#
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\data\E3P4410\3p93510.D Vial: 1
Acq On : 27 Jun 2021 12:50 pm Operator: kristis
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4410,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 165, 166, 167; Background Corrected with Scan 161

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.3	32827	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	40.6	37686	PASS
70	69	0.00	2	0.6	224	PASS
127	198	40	60	44.0	40820	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	92872	PASS
199	198	5	9	7.1	6633	PASS
275	198	10	30	25.6	23729	PASS
365	198	1	100	4.4	4100	PASS
441	443	0.01	100	79.1	9474	PASS
442	198	40	100	65.8	61125	PASS
443	442	17	23	19.6	11973	PASS

3p93510.D DFTPP3P.M Mon Jun 28 09:52:47 2021

Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	4810	69.00	37686	82.90	392	99.00	2492
51.00	32827	69.95	224	84.90	281	99.80	84
52.00	1922	74.00	3410	85.90	542	100.00	88
55.90	1048	75.00	5926	86.90	143	100.95	1470
57.00	1958	76.00	1736	87.90	161	102.95	434
57.90	68	77.00	36955	90.95	669	103.95	856
61.00	254	78.00	2814	91.90	567	104.90	803
61.90	459	79.00	2373	93.00	4403	105.80	137
62.95	1344	79.90	1963	93.95	349	107.00	12696
63.95	157	81.00	2864	95.95	222	107.95	1692
65.00	677	81.90	743	97.95	3184	108.95	344

Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
110.00	21225	123.95	430	135.95	431	147.95	2304
111.00	3044	124.95	462	136.80	206	148.95	453
112.00	322	127.00	40820	137.00	424	149.90	87
115.90	454	127.95	3349	138.00	76	150.95	239
116.10	67	129.00	15979	140.10	131	152.00	91
117.00	9029	129.95	1361	140.95	1966	153.00	670
118.00	750	130.95	249	141.95	546	153.95	482
118.80	136	131.80	75	142.90	429	155.00	1143
120.00	84	132.80	80	143.90	76	156.00	1881
121.95	698	134.00	445	145.85	245	157.10	305
123.00	1128	135.00	1263	146.95	1030	158.00	333

Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.90	332	171.85	330	183.00	77	194.00	218
160.00	678	173.00	408	183.95	255	196.00	2449
161.00	1044	173.80	316	185.00	1739	198.00	92872
162.00	237	174.00	600	186.00	12651	199.00	6633
164.90	866	175.00	1856	187.00	3800	199.80	232
166.05	667	175.95	523	188.00	349	200.00	280
167.00	4448	177.00	806	188.95	710	201.40	326
168.00	1962	178.95	3601	190.85	431	201.60	84
168.95	389	180.00	2126	191.05	262	202.05	136
169.80	70	180.95	1081	191.95	1074	202.90	672
170.90	184	181.95	194	192.95	1244	204.00	3486

Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
205.00	5854	214.95	261	227.00	6320	239.00	206
206.00	24011	215.90	327	228.00	863	239.95	145
207.00	3615	217.00	6871	229.00	1411	240.85	217
207.70	110	218.00	870	229.70	68	241.10	154
208.00	708	219.10	70	230.20	79	242.00	662
208.90	256	221.00	3719	231.00	505	243.00	623
209.80	81	221.80	1117	233.85	334	244.05	11022
210.10	501	223.00	1659	234.95	445	245.05	1455
210.90	558	224.00	14240	235.95	283	246.00	2272
211.10	584	225.00	3474	236.90	407	246.90	514
211.75	200	226.00	129	237.10	83	248.80	90

Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
249.00	213	271.95	147	292.90	491	315.00	904
251.00	90	273.00	1918	294.00	72	316.00	512
252.95	214	274.00	4345	296.00	8122	320.95	335
255.00	57768	275.00	23729	297.00	1185	323.05	2523

256.00	8744	276.00	2836	301.90	79	324.00	528
256.95	568	277.00	2133	303.05	892	326.70	88
258.00	3679	278.00	374	303.90	89	326.95	528
259.00	582	283.00	273	304.10	105	327.90	105
265.00	1576	284.00	95	307.95	163	331.80	76
265.85	164	284.80	115	309.80	111	333.00	185
271.00	83	285.00	296	314.05	477	334.00	1741

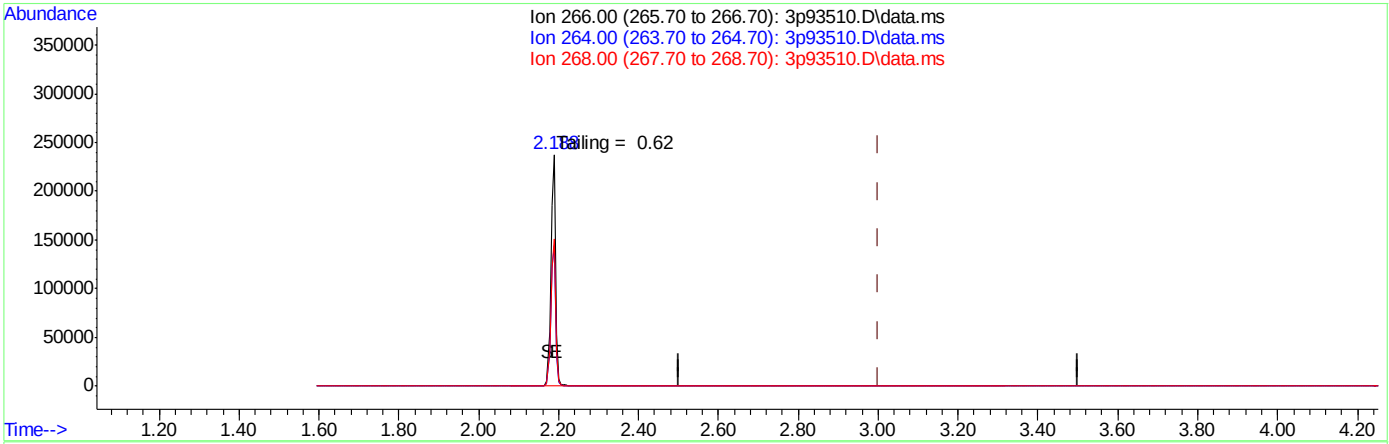
Average of 2.531 to 2.543 min.: 3p93510.D\data.ms
dftpp
Modified:subtracted

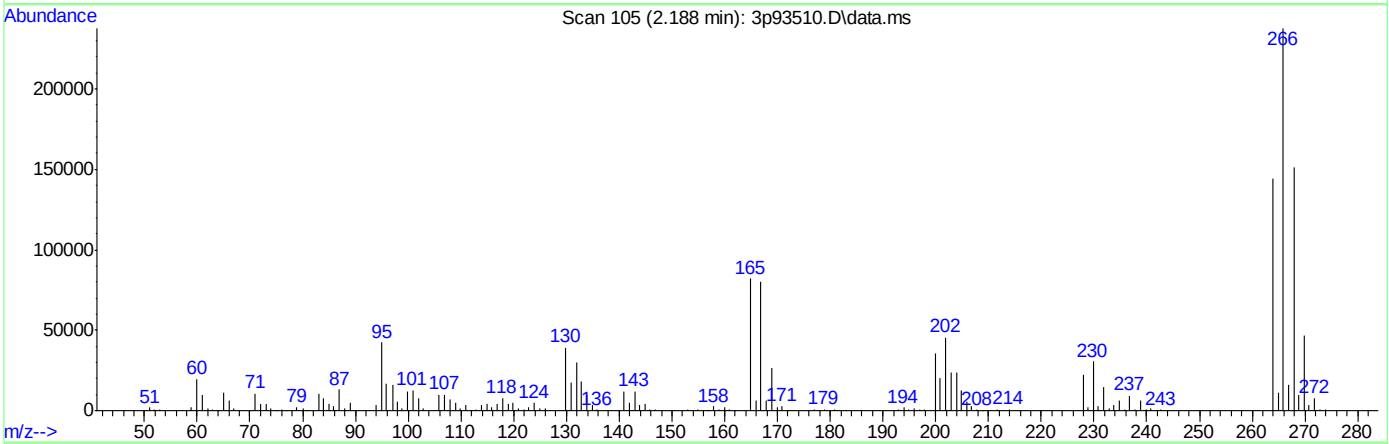
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
335.00	440	373.00	411	442.10	61125		
341.00	375	382.95	395	443.10	11973		
345.95	566	390.00	80	444.05	1023		
352.05	872	402.00	533				
353.00	553	402.90	686				
354.00	635	403.90	134				
355.00	84	421.00	582				
365.00	4100	422.05	379				
366.05	537	423.05	3680				
371.05	188	424.00	836				
372.00	1467	441.10	9474				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93510.D
Acq On : 27 Jun 2021 12:50 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4410,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 12:55:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93510.D\data.ms

(1) Pentachlorophenol

2.188min (-0.814) 18.88 m

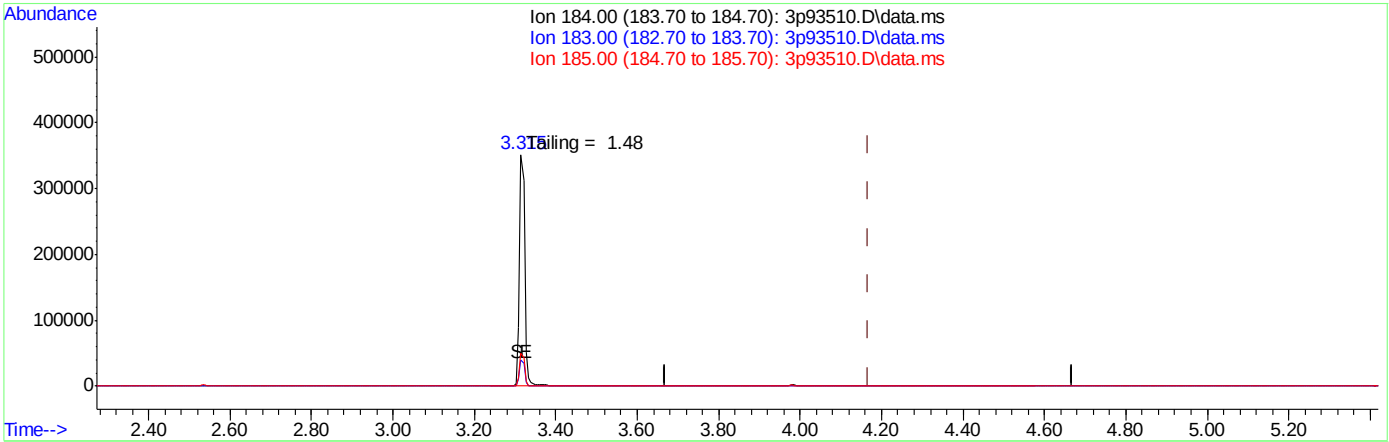
response 1894501

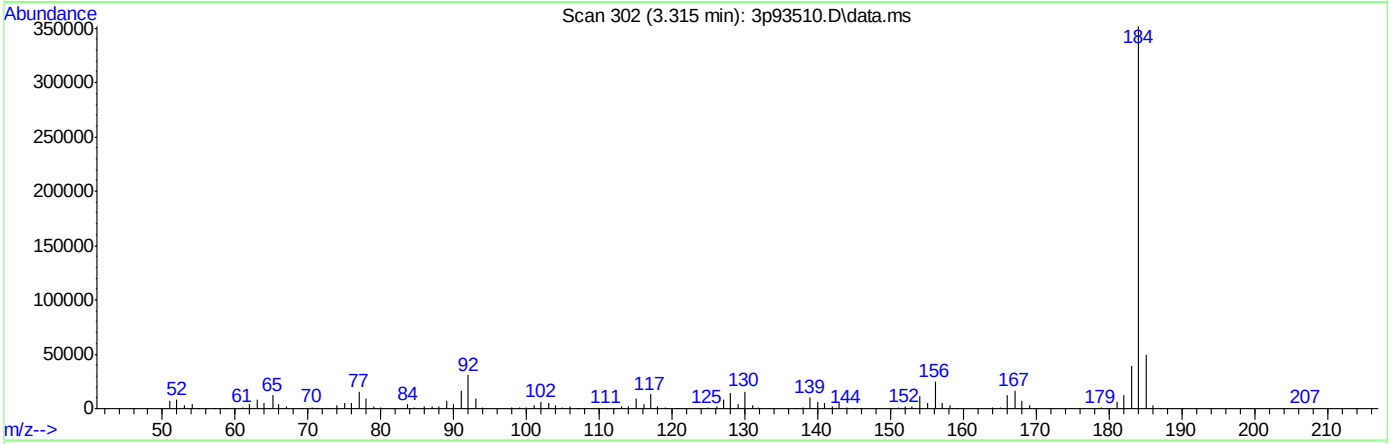
Ion	Exp%	Act%
266.00	100	100
264.00	61.70	0.00#
268.00	64.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93510.D
Acq On : 27 Jun 2021 12:50 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4410,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 12:55:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93510.D\data.ms

(2) Benzidine

3.315min (-0.855) 7.75 m

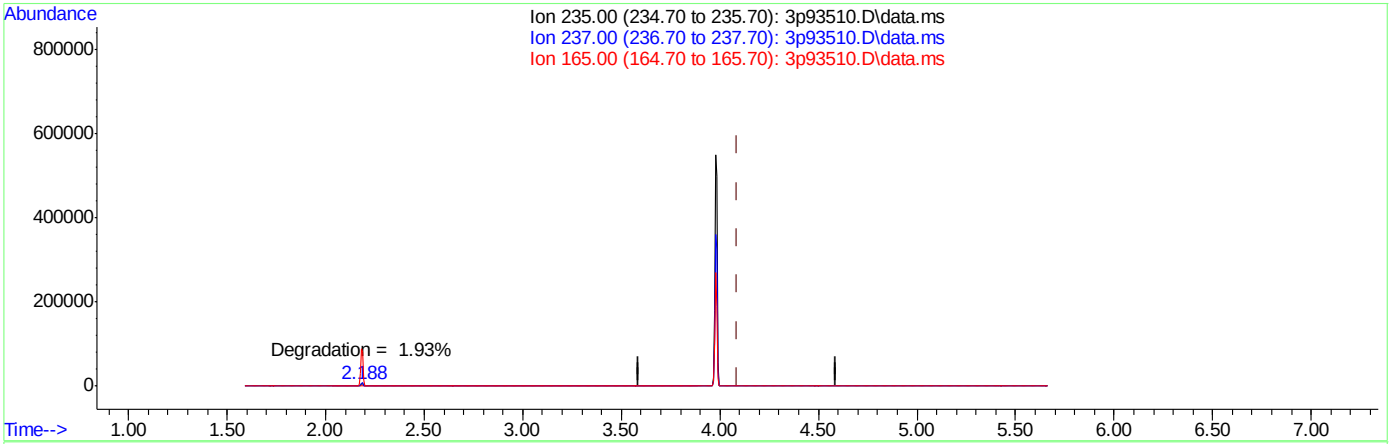
response 2942117

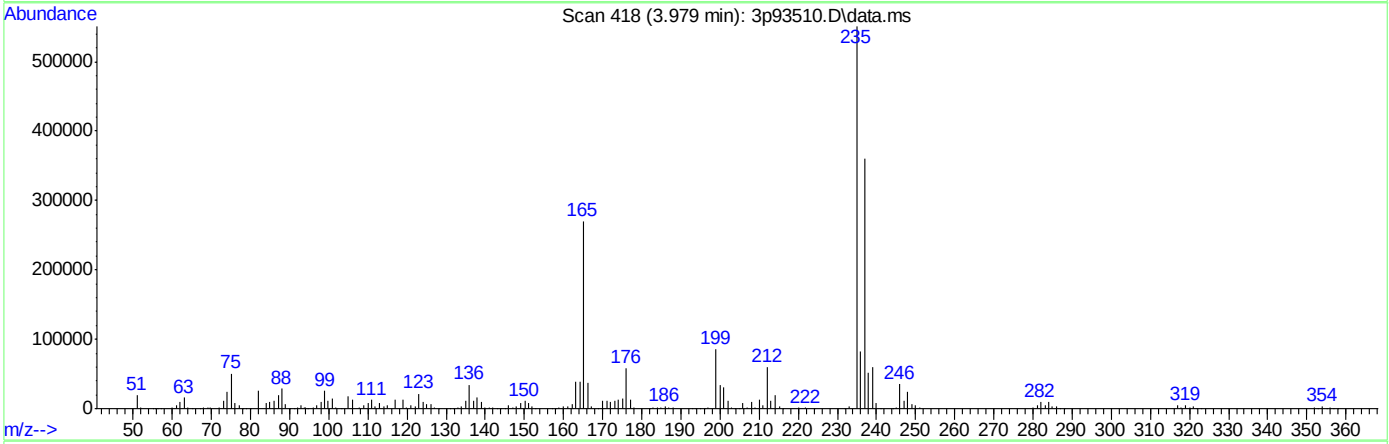
Ion	Exp%	Act%
184.00	100	100
183.00	11.20	0.00#
185.00	14.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93510.D
Acq On : 27 Jun 2021 12:50 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4410,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 12:55:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93510.D\data.ms

(3) PP-DDT

3.979min (-0.111) 26.52 m

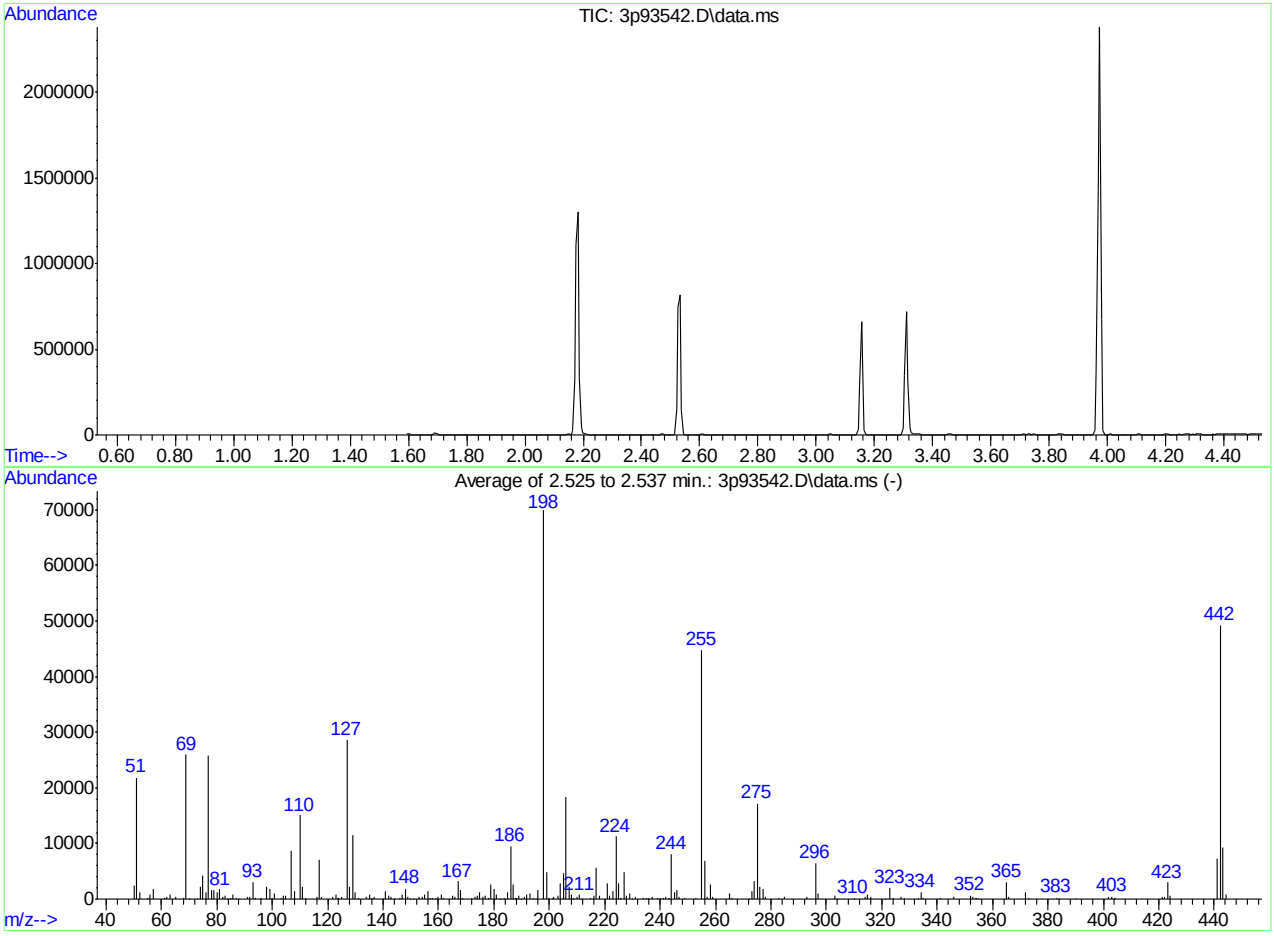
response 4482813

Ion	Exp%	Act%
235.00	100	100
237.00	65.20	0.00#
165.00	48.20	0.00#
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\data\E3P4411\3p93542.D Vial: 1
Acq On : 28 Jun 2021 12:36 pm Operator: kristis
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4411,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um



AutoFind: Scans 164, 165, 166; Background Corrected with Scan 160

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.3	21863	PASS
68	69	0.00	2	0.9	228	PASS
69	198	0.00	100	37.2	25984	PASS
70	69	0.00	2	0.3	79	PASS
127	198	40	60	40.9	28581	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	69888	PASS
199	198	5	9	6.8	4746	PASS
275	198	10	30	24.7	17242	PASS
365	198	1	100	4.4	3104	PASS
441	443	0.01	100	79.8	7358	PASS
442	198	40	100	70.4	49205	PASS
443	442	17	23	18.7	9217	PASS

3p93542.D DFTPP3P.M Mon Jun 28 15:47:53 2021

Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	2445	69.00	25984	82.00	481	96.00	212
50.95	21863	70.00	79	83.00	538	98.00	2257
52.05	1254	72.95	76	83.90	32	99.00	1772
54.95	192	74.00	2229	85.00	307	99.95	192
56.00	793	75.00	4176	85.95	717	100.90	957
57.00	1803	76.05	1223	86.95	242	103.00	301
60.95	239	77.00	25813	87.90	75	103.95	702
62.05	339	78.00	1632	90.95	385	105.00	660
63.05	852	78.95	1525	91.95	416	107.00	8598
65.05	447	79.95	1180	93.00	3079	108.00	1329
68.00	228	81.00	1778	93.95	183	110.00	15051

Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
111.00	2179	128.00	2229	142.95	356	156.00	1344
111.90	251	129.00	11532	144.00	74	157.05	284
116.10	486	129.95	1147	146.00	276	158.00	220
117.00	7013	131.05	185	146.95	777	159.00	181
117.95	436	133.90	336	148.00	1904	159.95	509
122.00	456	135.05	915	148.95	399	160.95	741
123.00	776	136.00	292	149.80	67	161.95	213
123.80	199	136.95	436	151.10	96	163.90	68
124.00	175	140.10	75	152.90	458	165.00	613
125.00	349	141.00	1434	154.00	314	166.00	462
127.00	28581	141.95	515	155.00	825	167.00	3207

Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.00	1643	181.00	767	192.00	829	204.00	2768
168.90	300	182.00	72	193.00	1078	205.00	4645
171.90	260	183.85	151	194.15	214	206.00	18411
173.05	359	185.05	1269	195.00	80	207.00	2286
174.00	593	186.00	9483	196.05	1562	208.00	787
175.00	1263	187.00	2704	198.00	69888	208.95	250
176.15	329	187.90	110	199.00	4746	210.00	335
176.95	579	188.10	120	199.85	293	210.95	751
177.95	202	189.00	565	201.10	72	211.70	68
179.00	2661	189.80	70	201.55	323	215.00	211
180.05	1873	190.95	371	202.95	522	216.10	516

Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.00	5624	230.00	87	243.10	252	258.95	371
217.95	548	230.90	363	244.05	8159	265.00	1114
221.00	2802	233.90	270	245.05	1238	265.80	109
221.95	657	235.00	272	245.95	1617	271.90	74
223.00	1329	235.95	242	246.90	357	272.95	1472
224.00	11200	237.00	429	248.95	297	274.00	3327
225.00	2772	239.00	193	252.95	183	275.00	17242
225.90	131	239.80	89	255.00	44835	276.00	2315
227.00	4774	240.00	91	256.00	6784	277.00	1727
227.95	699	241.00	224	257.00	442	278.00	335
229.00	1106	242.05	476	258.00	2693	282.95	223

Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
285.00	323	323.10	1959	353.90	158	402.90	122
293.00	328	324.10	284	354.10	303	403.10	439
296.00	6516	327.00	321	355.00	85	403.90	71
297.00	931	328.00	157	365.00	3104	404.10	116

DFTPP3P.M Mon Jun 28 15:47:36 2021 Page: 0

303.05	707	332.90	77	365.95	472	421.05	429
303.80	75	334.05	1292	372.00	1168	422.10	502
309.90	68	335.05	306	373.00	234	423.10	2960
314.05	318	340.95	188	383.00	286	424.00	566
314.95	727	346.00	361	384.10	68	441.10	7358
316.05	389	352.00	658	390.00	70	442.10	49205
321.10	76	352.95	485	402.00	316	443.10	9217

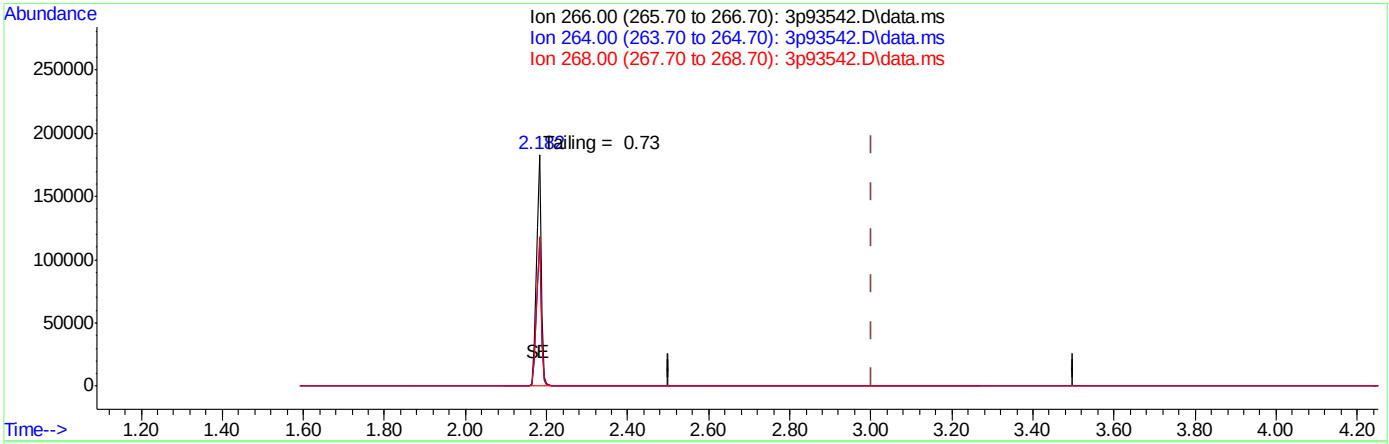
Average of 2.525 to 2.537 min.: 3p93542.D\data.ms
dftpp
Modified:subtracted

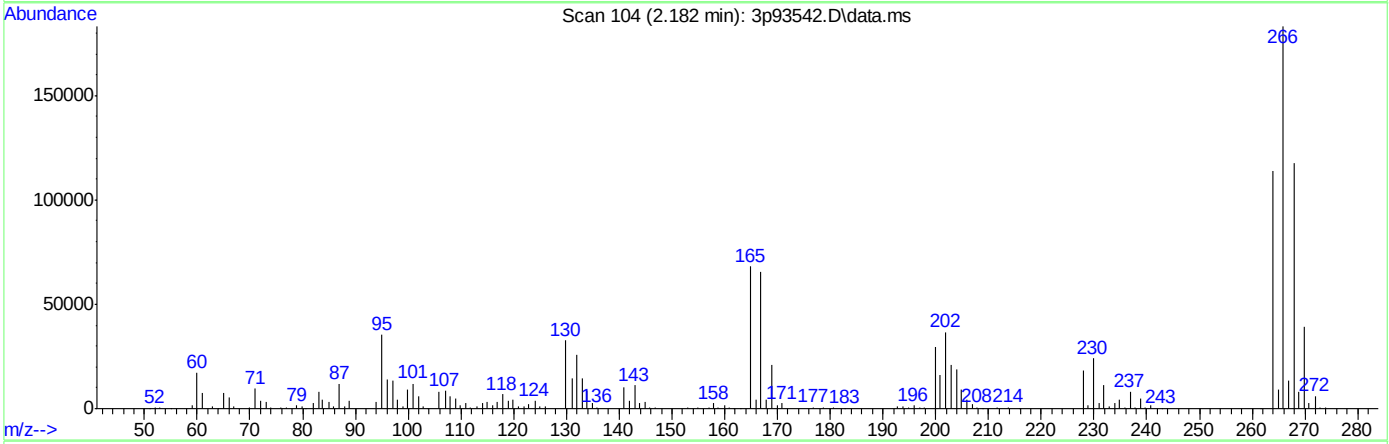
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.10	856						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93542.D
Acq On : 28 Jun 2021 12:36 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 12:42:22 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93542.D\data.ms

(1) Pentachlorophenol

2.182min (-0.820) 14.16 m

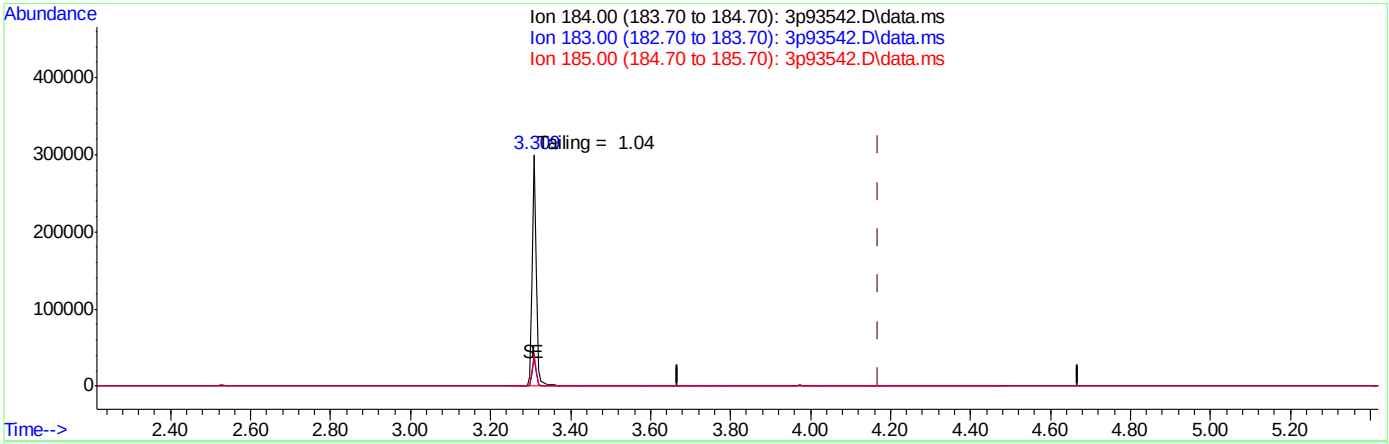
response 1420779

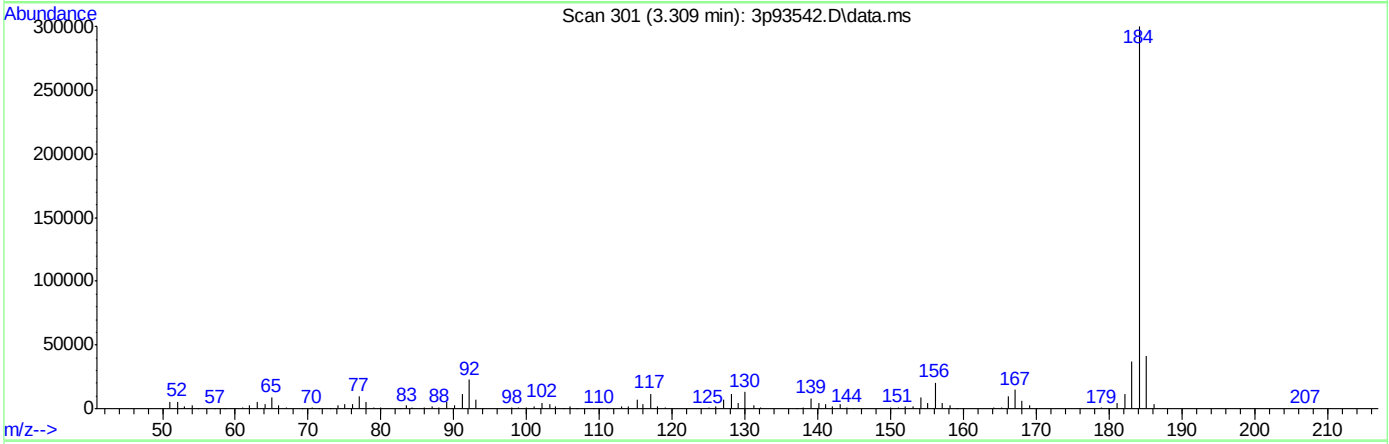
Ion	Exp%	Act%
266.00	100	100
264.00	61.70	0.00#
268.00	64.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93542.D
Acq On : 28 Jun 2021 12:36 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 12:42:22 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93542.D\data.ms

(2) Benzidine

3.309min (-0.861) 5.83 m

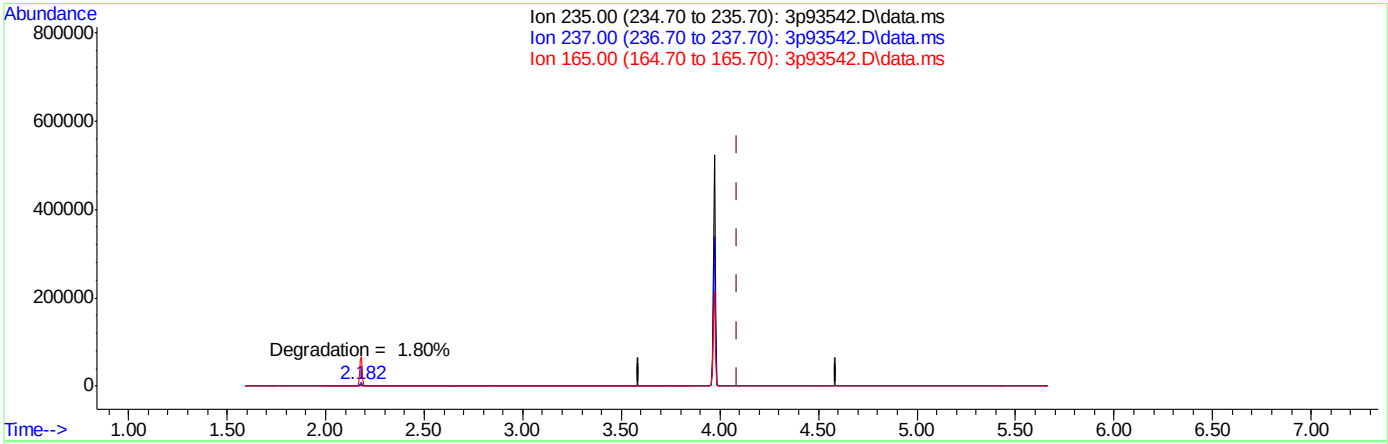
response 2212601

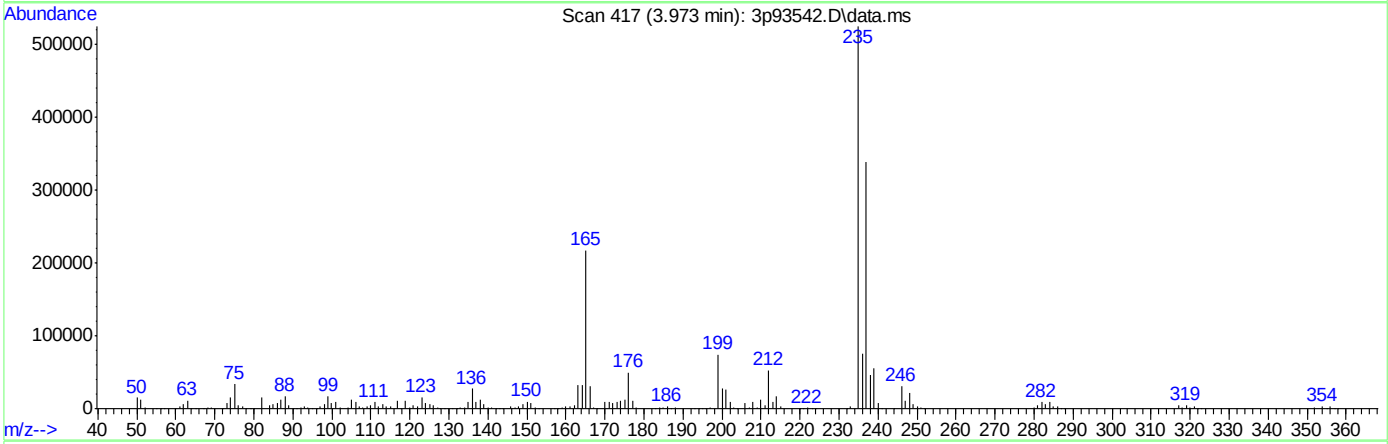
Ion	Exp%	Act%
184.00	100	100
183.00	11.20	0.00#
185.00	14.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93542.D
Acq On : 28 Jun 2021 12:36 pm
Operator : kristis
Sample : dftpp
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 12:42:22 2021
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Fri Jan 04 17:18:11 2019
Response via : Initial Calibration





TIC: 3p93542.D\data.ms

(3) PP-DDT

3.973min (-0.117) 21.12 m

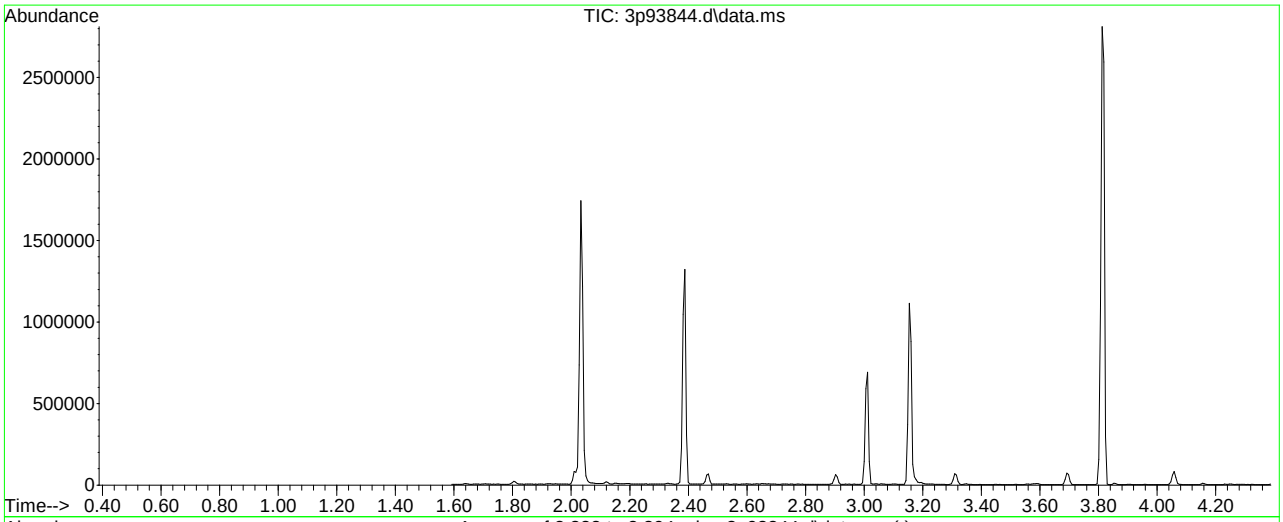
response 3570518

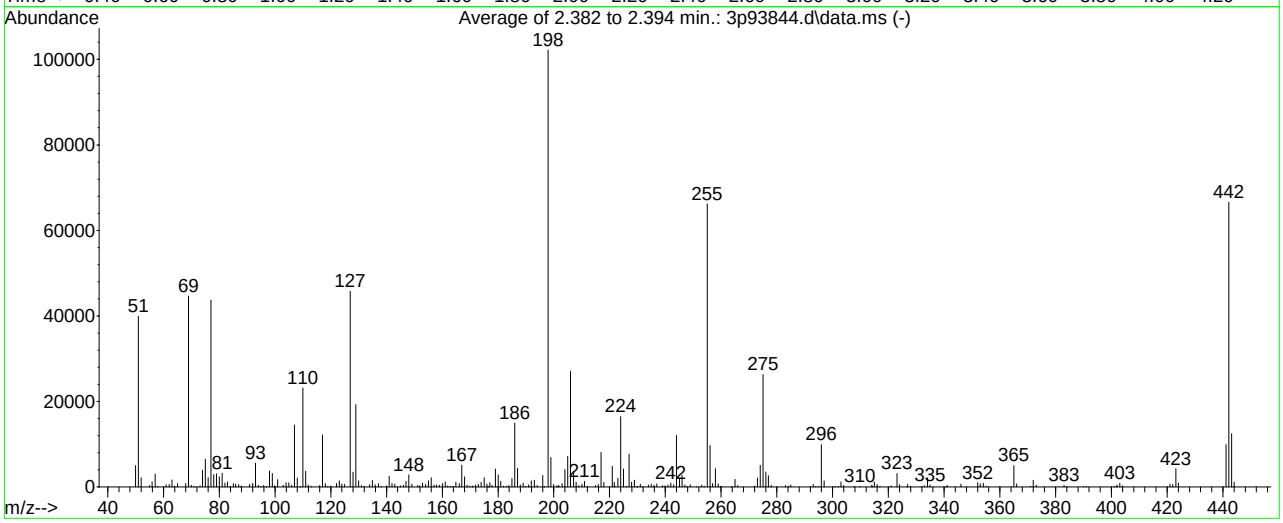
Ion	Exp%	Act%
235.00	100	100
237.00	65.20	0.00#
165.00	48.20	0.00#
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\data\jeryllr\e3p4427\3p93844.d Vial: 1
Acq On : 12 Jul 2021 9:09 pm Operator: chriss2
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4427,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title : zebron ZB-5msi 30mx0.25mmx0.25um





AutoFind: Scans 139, 140, 141; Background Corrected with Scan 135

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.0	39881	PASS
68	69	0.00	2	1.6	733	PASS
69	198	0.00	100	43.6	44595	PASS
70	69	0.00	2	0.8	353	PASS
127	198	40	60	44.7	45711	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	102168	PASS
199	198	5	9	6.7	6865	PASS
275	198	10	30	25.7	26270	PASS
365	198	1	100	4.8	4945	PASS
441	443	0.01	100	79.2	9862	PASS
442	198	40	100	65.2	66568	PASS
443	442	17	23	18.7	12448	PASS

3p93844.d DFTPP3P.M Tue Jul 13 01:58:53 2021

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	4984	65.00	734	79.00	3055	90.90	549
50.95	39881	68.00	733	80.00	2314	91.95	842
52.00	2124	69.00	44595	81.00	3205	93.00	5529
55.00	291	70.00	353	82.00	905	94.00	392
55.90	1135	71.00	104	82.95	1120	94.95	109
57.00	2959	73.05	217	83.90	90	95.90	281
57.90	88	74.00	3849	85.00	750	96.90	103
60.95	508	75.00	6484	85.90	635	98.00	3735
62.00	530	76.00	2104	87.00	468	99.00	3092
63.00	1584	77.00	43711	87.80	131	99.85	219
63.95	189	78.00	2885	88.00	182	100.95	1682

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
102.90	376	116.00	327	129.00	19234	141.95	782
103.95	981	117.00	12098	130.00	1436	143.00	637
105.00	954	118.00	782	131.00	314	145.00	217
106.00	378	118.95	77	132.00	85	146.05	382
107.00	14485	119.95	194	133.90	478	146.95	1301
107.95	2100	122.00	773	134.95	1507	148.00	2789
109.10	79	123.00	1394	135.95	467	149.05	655
110.00	23148	124.00	627	137.10	774	151.15	279
111.00	3642	125.00	551	138.10	71	151.80	210
111.90	449	127.00	45711	140.05	220	152.95	896
113.00	159	128.00	3419	140.95	2456	154.00	545

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
155.00	1386	166.05	786	176.05	632	186.00	14927
156.00	2117	167.00	5086	176.60	79	187.00	4278
157.00	444	168.00	2331	177.00	964	188.00	409
157.95	427	168.90	365	177.85	337	189.00	875
158.90	356	169.85	175	179.00	4138	189.90	100
160.00	753	170.80	152	180.00	2784	190.90	410
161.00	1128	171.00	133	181.00	1266	191.10	69
161.95	266	171.95	442	182.00	197	191.95	1398
162.90	78	172.95	572	183.00	69	193.00	1552
163.80	68	173.95	1025	183.90	328	194.05	275
164.90	1061	175.00	2112	185.00	1927	196.00	2640

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
196.60	114	207.05	3596	221.70	1087	231.05	622
197.95	102168	208.00	1063	221.90	145	231.90	83
198.90	6865	208.95	328	223.00	2011	233.95	417
199.95	561	210.10	617	224.00	16439	234.95	613
201.10	181	211.00	1288	225.00	4156	235.90	338
201.55	359	212.00	93	226.00	185	236.95	661
201.90	177	214.95	322	227.00	7662	238.95	270
202.95	729	215.90	552	227.90	1064	239.90	224
204.00	4015	216.95	8013	228.95	1555	241.00	425
205.00	7125	217.90	1040	229.80	90	242.00	885
206.00	27064	221.00	4743	230.00	76	243.00	472

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.00	12008	256.95	762	275.00	26270	296.00	9892
245.05	1713	258.00	4234	276.00	3412	297.00	1399
246.00	2688	259.00	681	277.00	2597	300.90	107
247.00	448	259.80	68	277.95	340	302.10	121
247.80	73	260.00	70	283.05	305	303.00	1169
248.90	500	263.80	79	284.05	186	304.00	274
251.10	67	265.00	1727	285.00	463	307.80	81
253.05	375	265.95	270	292.00	79	309.80	90
253.90	174	271.90	175	293.00	566	314.00	361
255.00	66168	273.00	2056	293.90	95	314.20	96
256.00	9688	274.00	5049	295.00	122	315.00	1120

Average of 2.382 to 2.394 min.: 3p93844.d\data.ms

DFTPP3P.M Tue Jul 13 01:58:24 2021 Page: 0

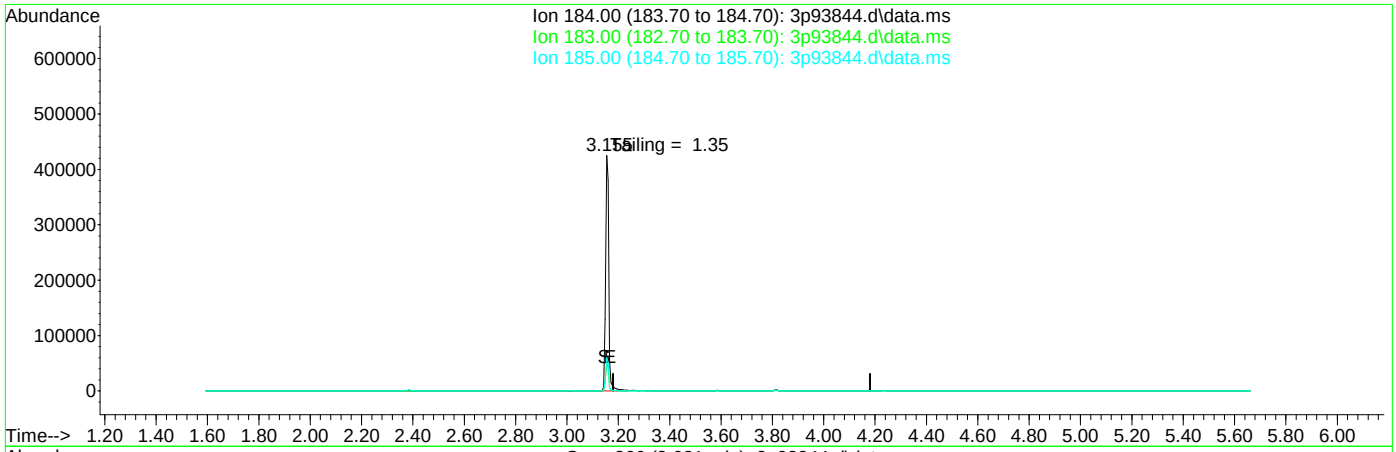
dftpp
Modified:subtracted

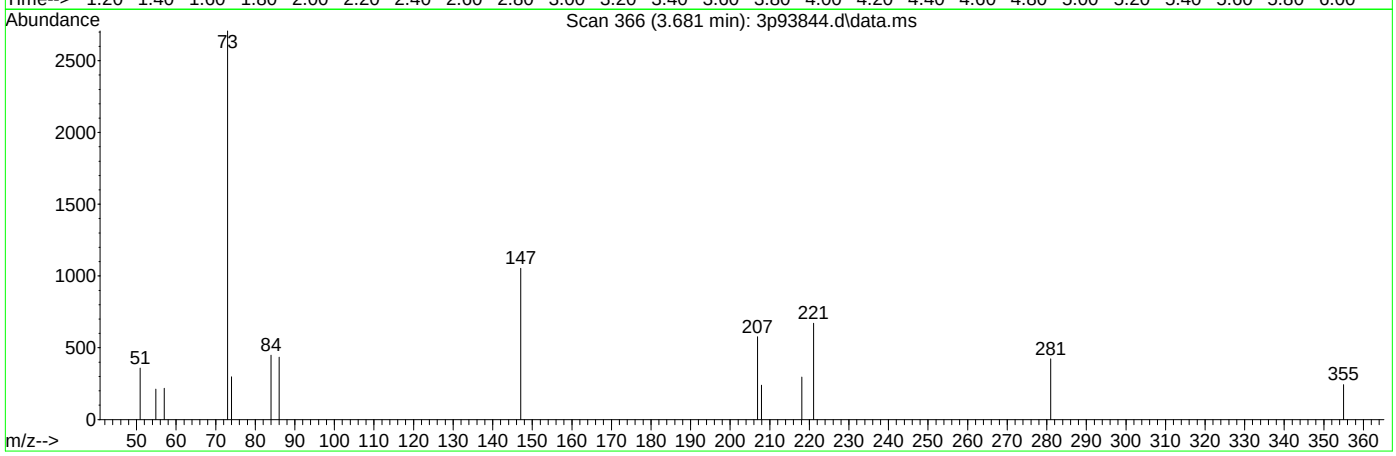
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.00	532	334.95	413	372.00	1560	421.05	645
317.00	76	340.80	103	373.05	361	422.00	568
320.95	252	341.05	303	383.00	360	423.10	4244
323.05	3095	346.00	621	384.00	98	424.05	897
324.00	518	352.00	956	390.00	92	441.10	9862
326.70	76	353.00	700	391.00	106	442.10	66568
326.95	583	354.10	803	401.00	69	443.10	12448
327.90	194	355.05	173	401.80	132	444.00	1101
331.80	104	365.00	4945	402.05	454		
332.95	250	366.00	682	403.00	839		
334.05	2064	370.90	103	403.95	249		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93844.d
Acq On : 12 Jul 2021 9:09 pm
Operator : chriss2
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4427,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Results File: DFTPP3P.RES
Quant Time: Jul 13 01:58:23 2021
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Mar 13 08:38:29 2017
Response via : Initial Calibration





TIC: 3p93844.d\data.ms

(2) Benzidine

3.681min (-3.681) 0.00

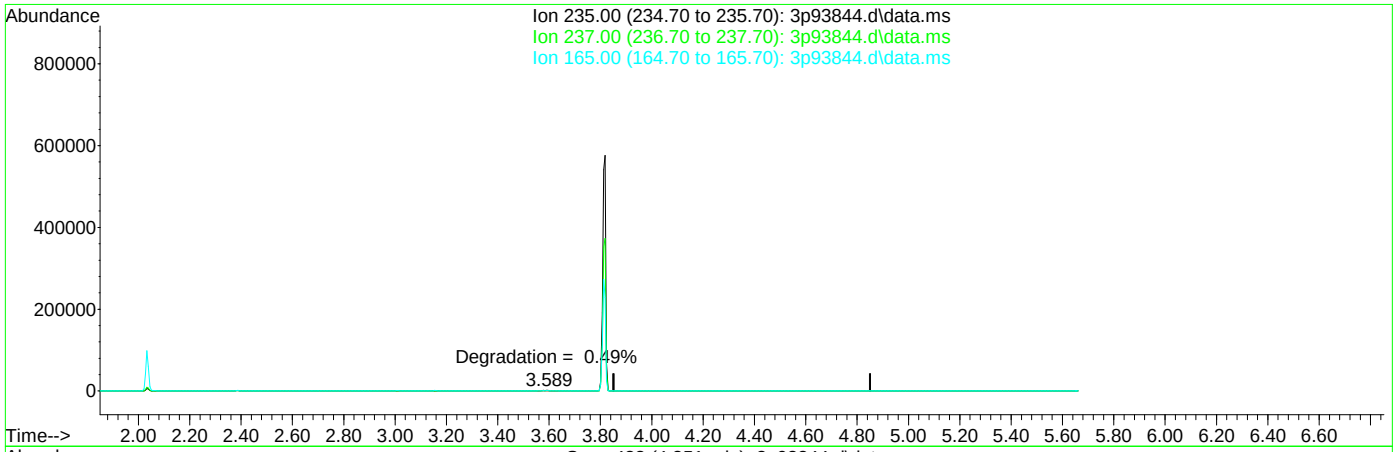
response 0

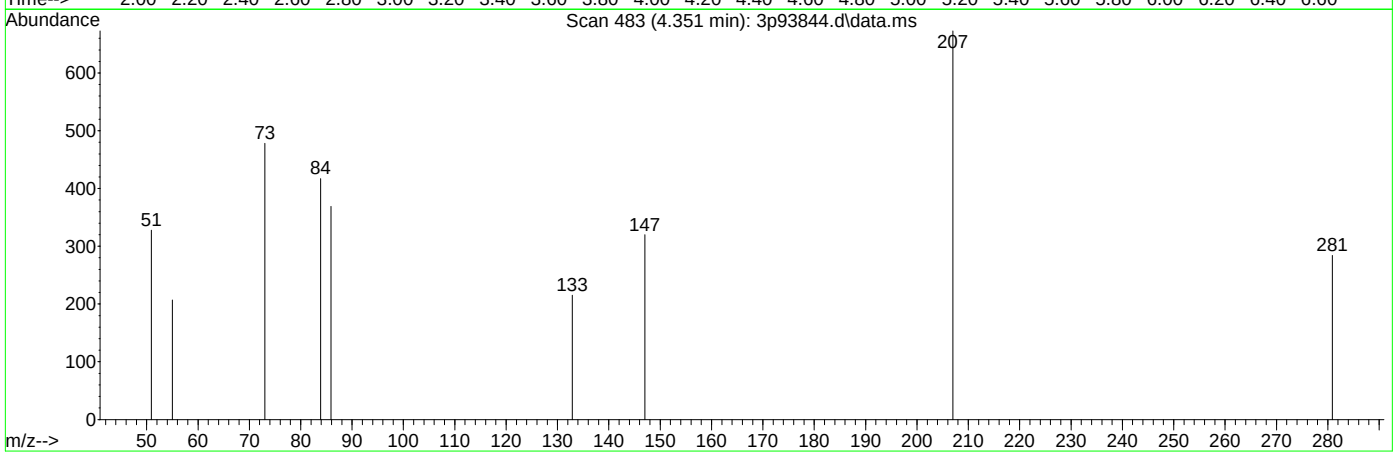
Ion	Exp%	Act%
184.00	100	0.00
183.00	11.40	0.00#
185.00	13.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93844.d
Acq On : 12 Jul 2021 9:09 pm
Operator : chriss2
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4427,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Results File: DFTPP3P.RES
Quant Time: Jul 13 01:58:23 2021
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Mar 13 08:38:29 2017
Response via : Initial Calibration





TIC: 3p93844.d\data.ms

(3) PP-DDT

4.352min (-4.352) 0.00

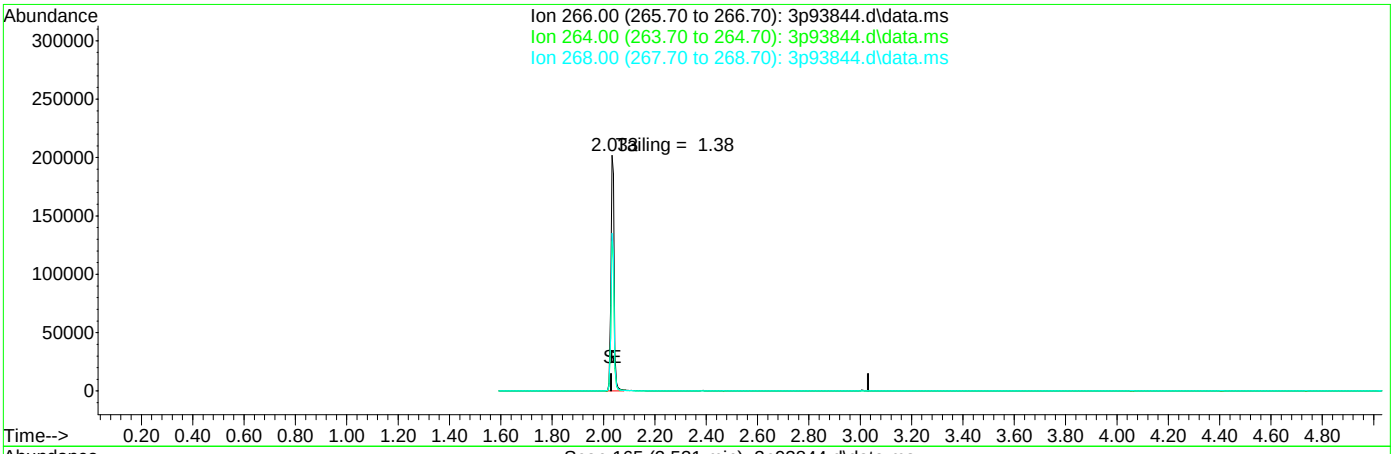
response 0

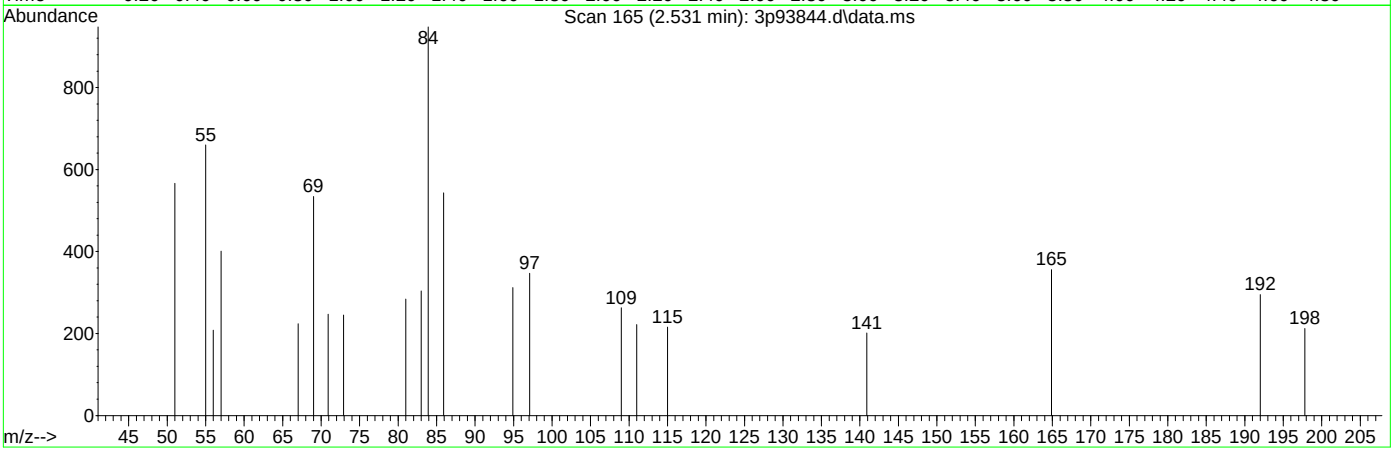
Ion	Exp%	Act%
235.00	100	0.00
237.00	63.50	0.00#
165.00	46.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93844.d
Acq On : 12 Jul 2021 9:09 pm
Operator : chriss2
Sample : dftpp Inst : MSGC3P
Misc : op33672,e3p4427,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Results File: DFTPP3P.RES
Quant Time: Jul 13 01:58:23 2021
Quant Title : zebron ZB-5msi 30mx0.25mmx0.25um
QLast Update : Mon Mar 13 08:38:29 2017
Response via : Initial Calibration





TIC: 3p93844.d\data.ms

(1) Pentachlorophenol

2.531min (-2.531) 0.00

response 0

Ion	Exp%	Act%
266.00	100	0.00
264.00	61.40	0.00#
268.00	64.90	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93511.D
Acq On : 27 Jun 2021 1:54 pm
Operator : kristis
Sample : icc4410-0.2
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 09:56:33 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

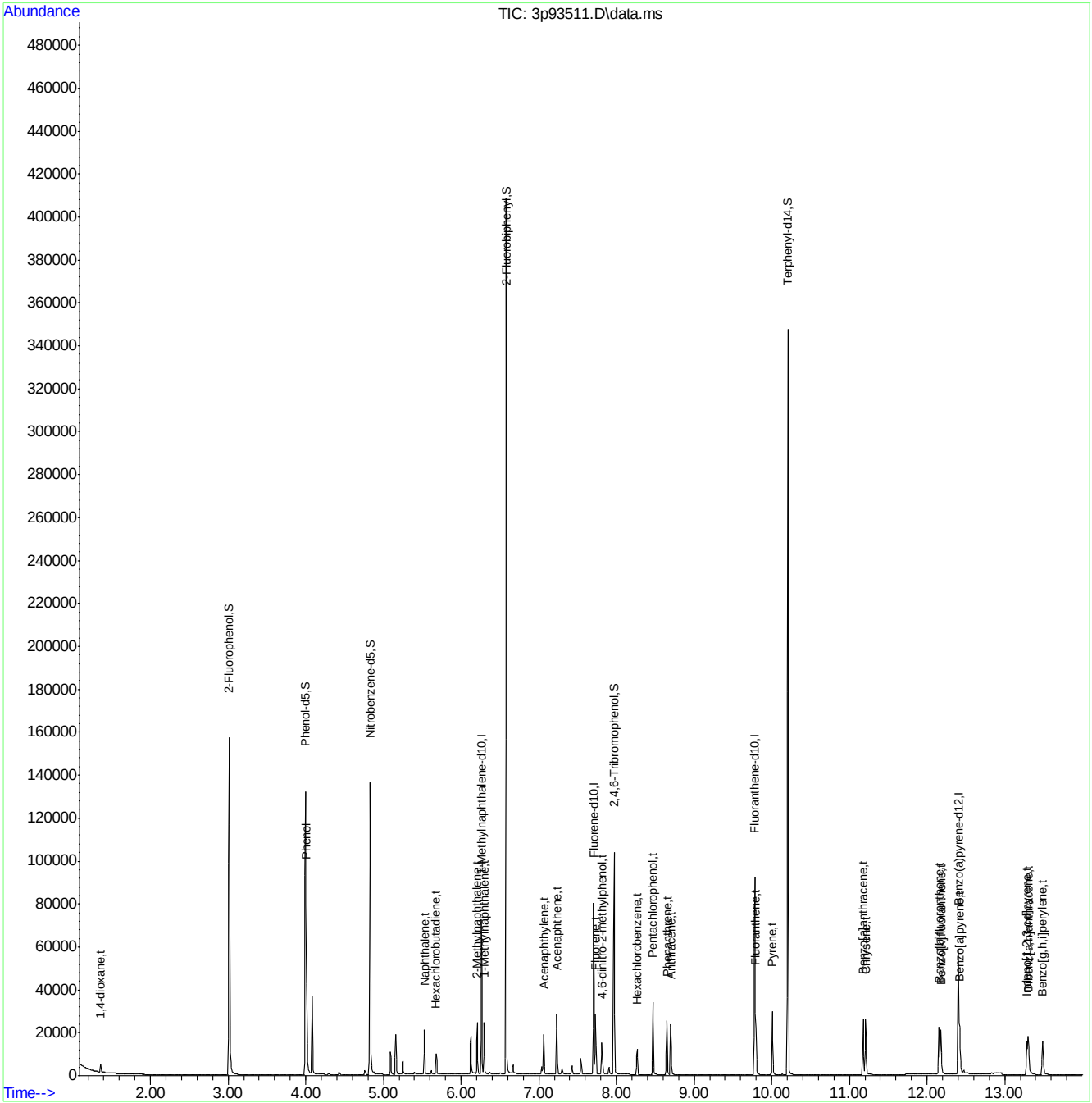
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.262	150	20637	800.00	ppb	0.00
12) Fluorene-d10	7.704	176	31738	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	57108	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	36359	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.012	112	69714	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
4) Phenol-d5	3.997	99	96050	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
7) Nitrobenzene-d5	4.828	82	84796	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
13) 2-Fluorobiphenyl	6.581	172	173898	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
18) 2,4,6-Tribromophenol	7.970	330	34656	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
26) Terphenyl-d14	10.206	244	197033	4000.00	ppb	0.00
Spiked Amount 50.000			Recovery	= 8000.00%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.356	88	1614m	197.07	ppb	
5) Phenol	4.004	94	25044	1000.00	ppb	100
8) Naphthalene	5.529	128	12434	200.00	ppb	100
9) Hexachlorobutadiene	5.678	225	3084	200.00	ppb	100
10) 2-Methylnaphthalene	6.208	141	7055	200.00	ppb	100
11) 1-Methylnaphthalene	6.296	141	6757	200.00	ppb	100
14) Acenaphthylene	7.064	152	12735	200.00	ppb	100
15) Acenaphthene	7.234	153	9017	200.00	ppb	100
16) 4,6-dinitro-2-methylph...	7.813	198	7507	1000.00	ppb	100
17) Fluorene	7.732	166	10173	200.00	ppb	100
20) Hexachlorobenzene	8.267	284	3797	200.00	ppb	100
21) Pentachlorophenol	8.469	266	11822	1000.00	ppb	100
22) Phenanthrene	8.650	178	15275	200.00	ppb	100
23) Anthracene	8.701	178	15186	200.00	ppb	100
24) Fluoranthene	9.796	202	17647	200.00	ppb	100
25) Pyrene	10.008	202	17978	200.00	ppb	100
27) Benzo[a]anthracene	11.177	228	15641	200.00	ppb	100
28) Chrysene	11.211	228	15932	200.00	ppb	100
30) Benzo[b]fluoranthene	12.155	252	13729	200.00	ppb	100
31) Benzo[k]fluoranthene	12.176	252	14414	200.00	ppb	100
32) Benzo[a]pyrene	12.420	252	13322	200.00	ppb	100
33) Indeno[1,2,3-cd]pyrene	13.287	276	14840	200.00	ppb	100
34) Dibenz[a,h]anthracene	13.306	278	12273	200.00	ppb	100
35) Benzo[g,h,i]perylene	13.489	276	13081	200.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93511.D
Acq On : 27 Jun 2021 1:54 pm
Operator : kristis
Sample : icc4410-0.2
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 09:56:33 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



M3P4410SIMLVI.M Mon Jun 28 09:57:11 2021 Page: 2

Manual Integration Approval Summary

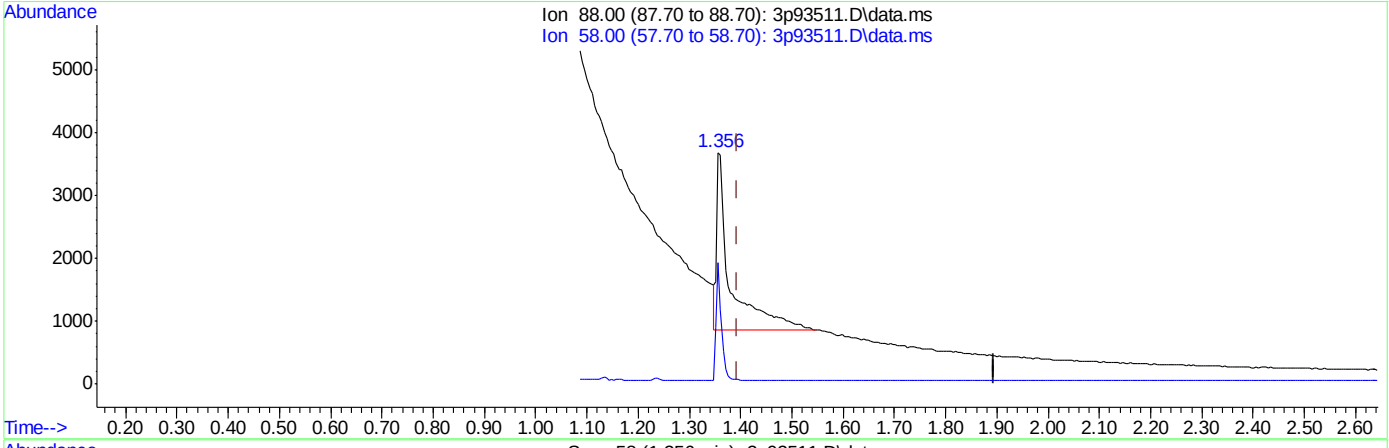
Sample Number:	E3P4410-ICC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93511.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 13:54	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

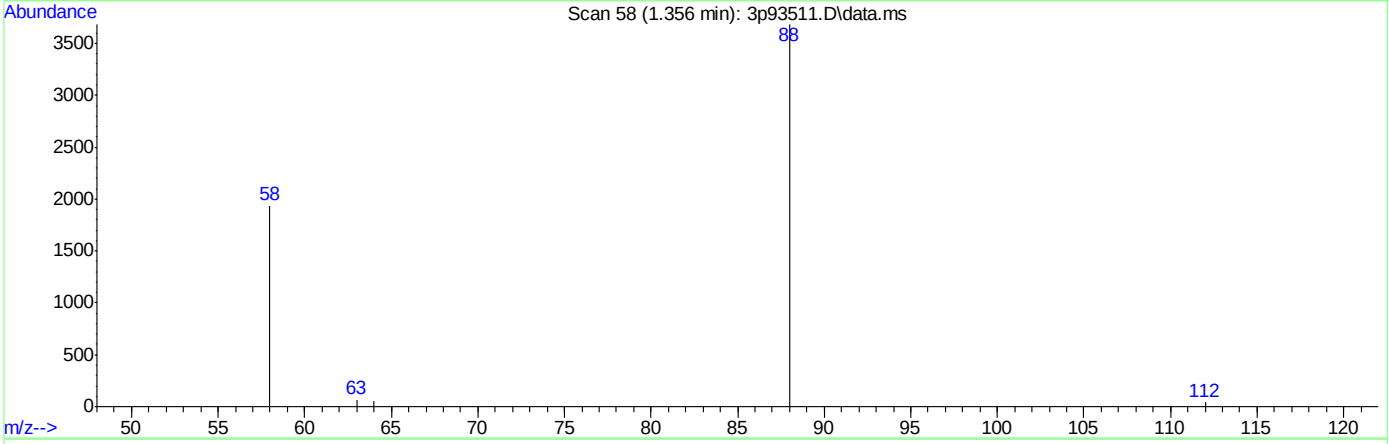
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.36	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93511.D
Acq On : 27 Jun 2021 1:54 pm
Operator : kristis
Sample : icc4410-0.2
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 14:08:58 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Jun 27 10:12:57 2021
Response via : Initial Calibration





TIC: 3p93511.D\data.ms

(2) 1,4-dioxane (t)

1.356min (-0.038) 547.41ppb

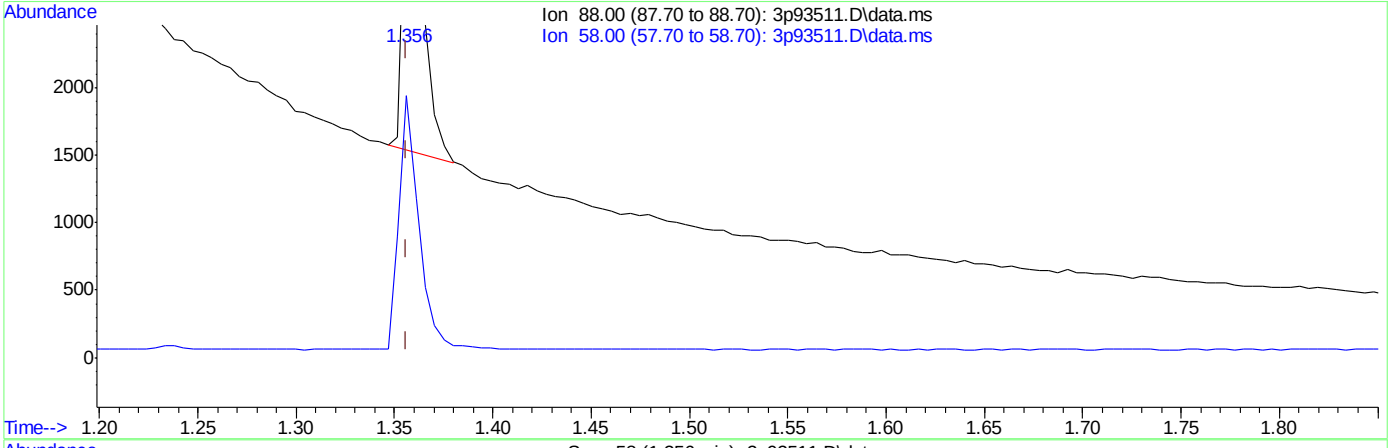
response 5160

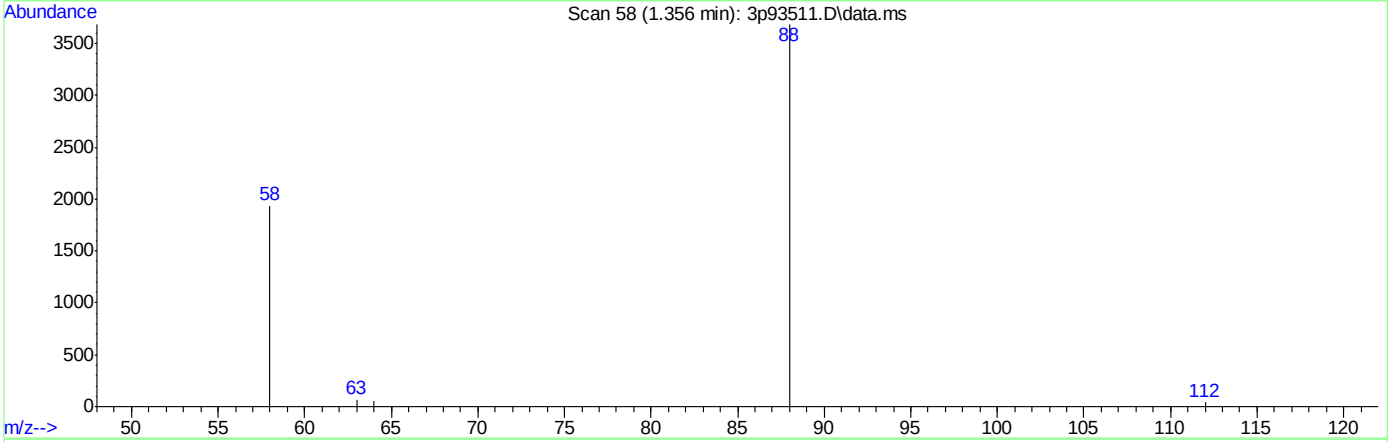
Ion	Exp%	Act%
88.00	100	100
58.00	26.40	76.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93511.D
Acq On : 27 Jun 2021 1:54 pm
Operator : kristis
Sample : icc4410-0.2
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 09:56:01 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93511.D\data.ms

(2) 1,4-dioxane (t)

1.356min (0.000) 197.07ppb m

response 1614

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	52.65
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93512.D
Acq On : 27 Jun 2021 2:13 pm
Operator : kristis
Sample : ic4410-1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 09:57:55 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

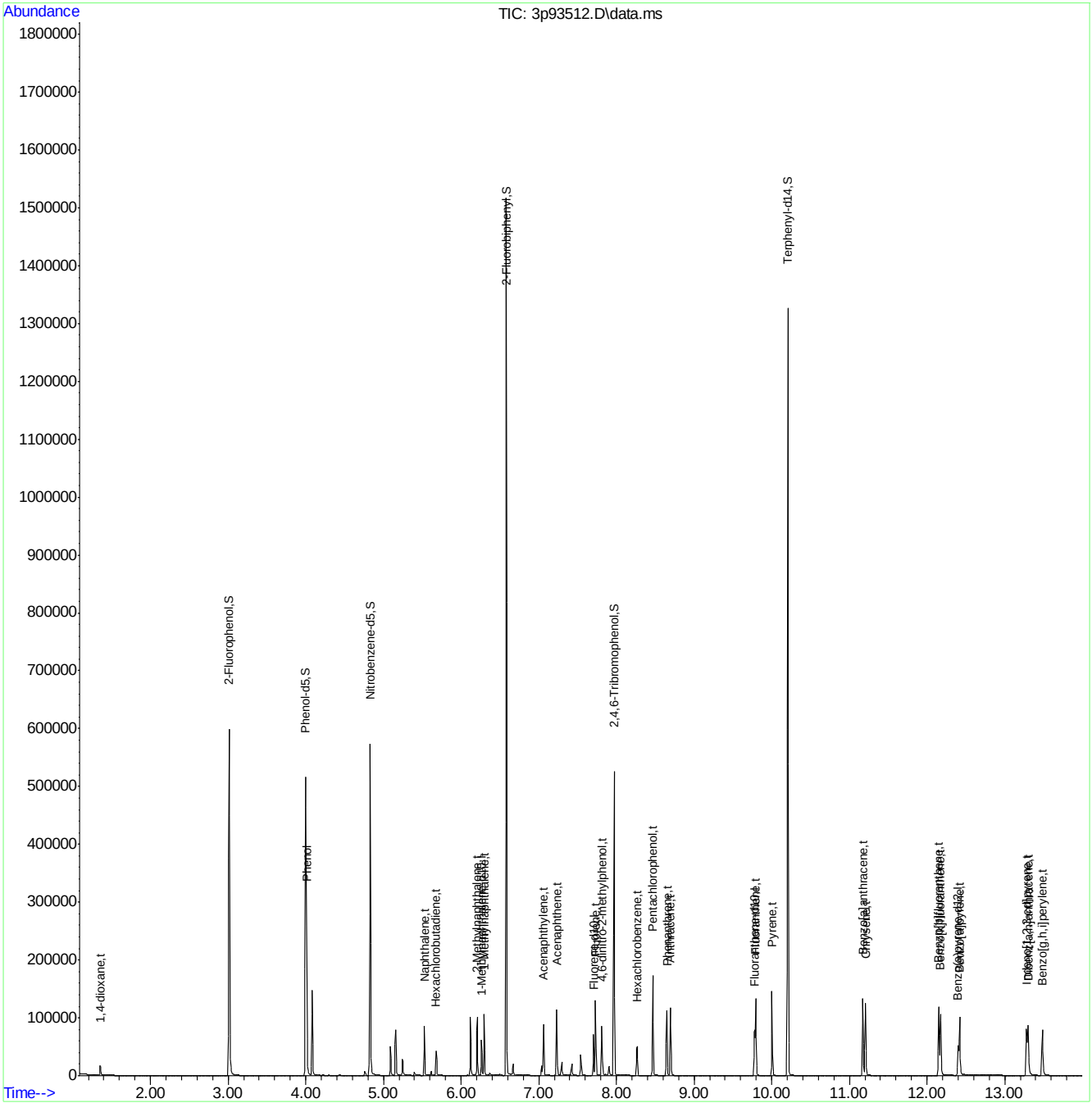
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.262	150	17579	800.00	ppb	0.00
12) Fluorene-d10	7.705	176	28142	800.00	ppb	0.00
19) Fluoranthene-d10	9.776	212	53281	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.399	264	34495	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.012	112	256125	17252.20	ppb	0.00
Spiked Amount 50.000			Recovery	= 34504.40%		
4) Phenol-d5	3.997	99	385290	18836.61	ppb	0.00
Spiked Amount 50.000			Recovery	= 37673.22%		
7) Nitrobenzene-d5	4.828	82	316462	17525.02	ppb	0.00
Spiked Amount 50.000			Recovery	= 35050.04%		
13) 2-Fluorobiphenyl	6.582	172	702577	18225.69	ppb	0.00
Spiked Amount 50.000			Recovery	= 36451.38%		
18) 2,4,6-Tribromophenol	7.970	330	156251	20338.97	ppb	0.00
Spiked Amount 50.000			Recovery	= 40677.94%		
26) Terphenyl-d14	10.211	244	803735	17488.74	ppb	0.00
Spiked Amount 50.000			Recovery	= 34977.48%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.356	88	7073m	1013.85	ppb	
5) Phenol	4.011	94	96318	4514.98	ppb	# 67
8) Naphthalene	5.529	128	52444	990.30	ppb	100
9) Hexachlorobutadiene	5.678	225	12919	983.55	ppb	100
10) 2-Methylnaphthalene	6.208	141	31090	1034.68	ppb	98
11) 1-Methylnaphthalene	6.296	141	29140	1012.55	ppb	100
14) Acenaphthylene	7.058	152	57640	1020.89	ppb	96
15) Acenaphthene	7.235	153	40333	1008.91	ppb	99
16) 4,6-dinitro-2-methylph...	7.813	198	42370	6365.27	ppb	90
17) Fluorene	7.732	166	46326	1027.14	ppb	99
20) Hexachlorobenzene	8.267	284	17068	963.60	ppb	98
21) Pentachlorophenol	8.469	266	57211	5186.96	ppb	98
22) Phenanthrene	8.650	178	68010	954.43	ppb	99
23) Anthracene	8.696	178	68228	963.11	ppb	98
24) Fluoranthene	9.796	202	81294	987.51	ppb	98
25) Pyrene	10.004	202	86122	1026.90	ppb	99
27) Benzo[a]anthracene	11.173	228	78182	1071.51	ppb	99
28) Chrysene	11.206	228	75837	1020.39	ppb	100
30) Benzo[b]fluoranthene	12.151	252	74026	1136.66	ppb	99
31) Benzo[k]fluoranthene	12.172	252	64315	940.62	ppb	100
32) Benzo[a]pyrene	12.420	252	64156	1015.20	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.282	276	72435	1028.96	ppb	100
34) Dibenz[a,h]anthracene	13.302	278	58060	997.27	ppb	98
35) Benzo[g,h,i]perylene	13.485	276	61180	985.95	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93512.D
Acq On : 27 Jun 2021 2:13 pm
Operator : kristis
Sample : ic4410-1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 09:57:55 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

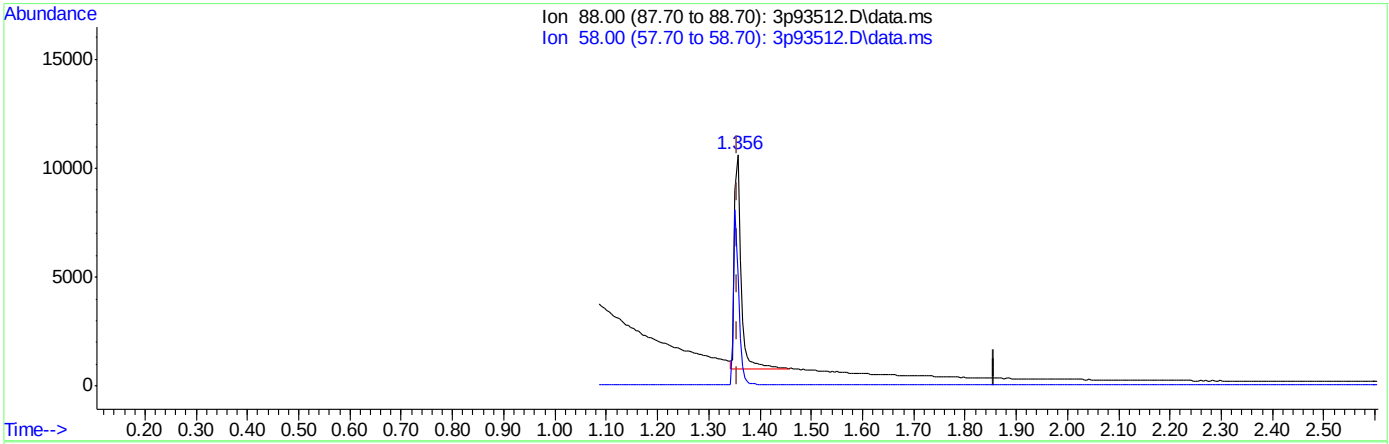
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93512.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 14:13	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

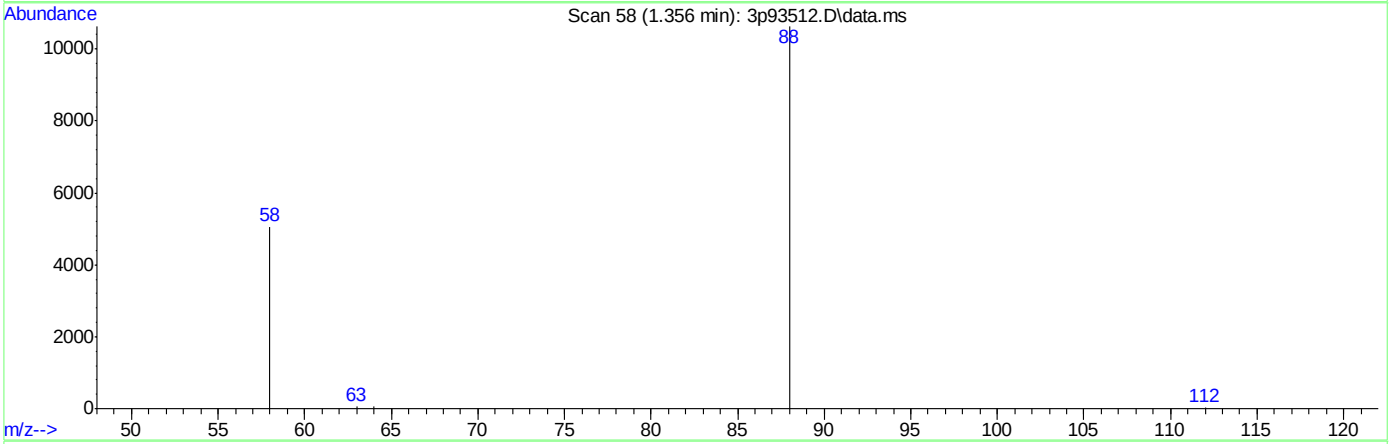
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.36	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93512.D
Acq On : 27 Jun 2021 2:13 pm
Operator : kristis
Sample : ic4410-1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 09:57:19 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93512.D\data.ms

(2) 1,4-dioxane (t)

1.356min (+0.000) 1182.84ppb

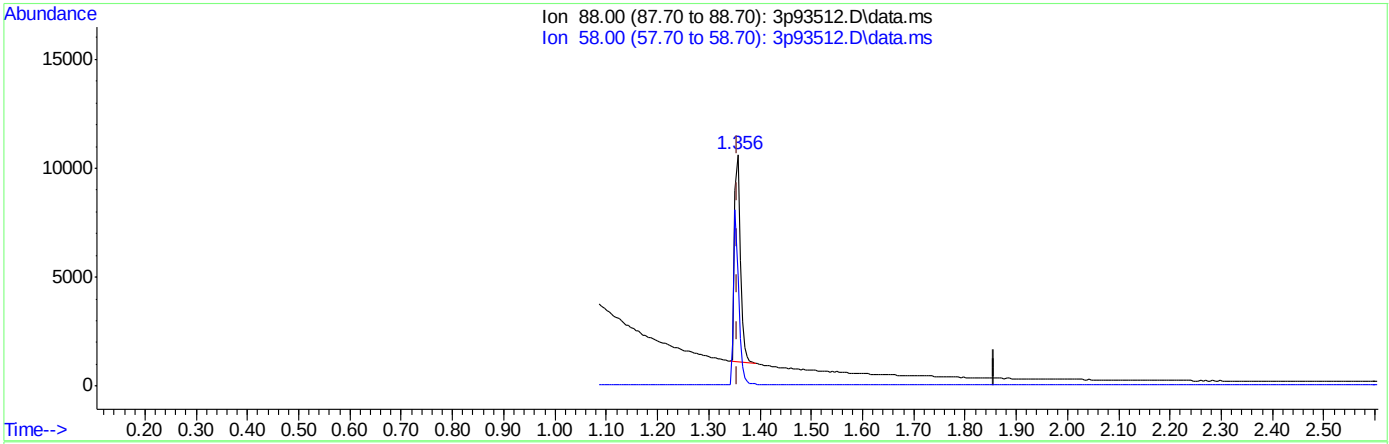
response 8252

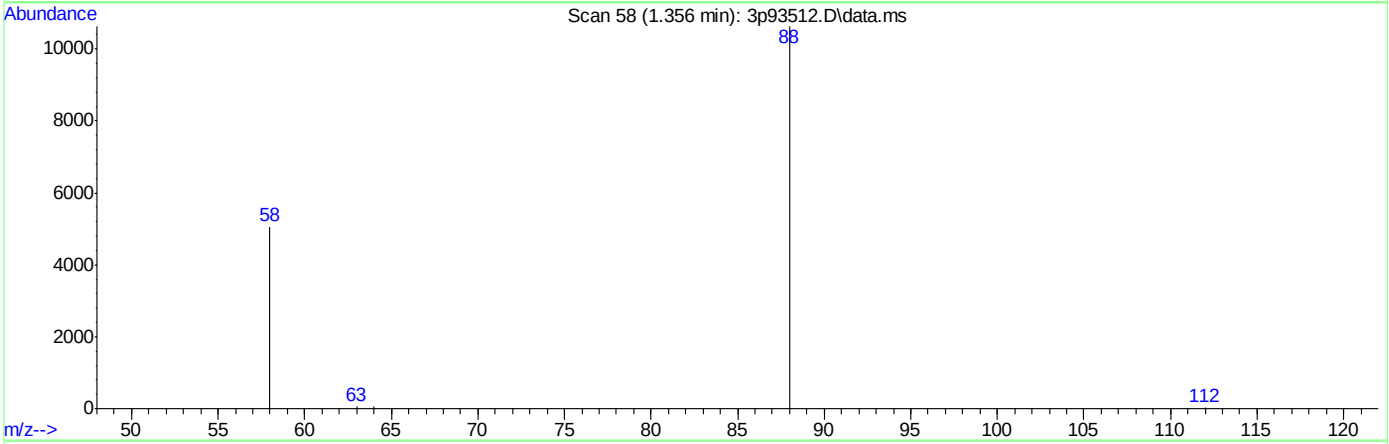
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	51.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93512.D
Acq On : 27 Jun 2021 2:13 pm
Operator : kristis
Sample : ic4410-1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 09:57:19 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93512.D\data.ms

(2) 1,4-dioxane (t)

1.356min (+0.000) 1013.85ppb m

response 7073

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	47.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93513.D
Acq On : 27 Jun 2021 2:31 pm
Operator : kristis
Sample : ic4410-.002
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 28 09:59:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

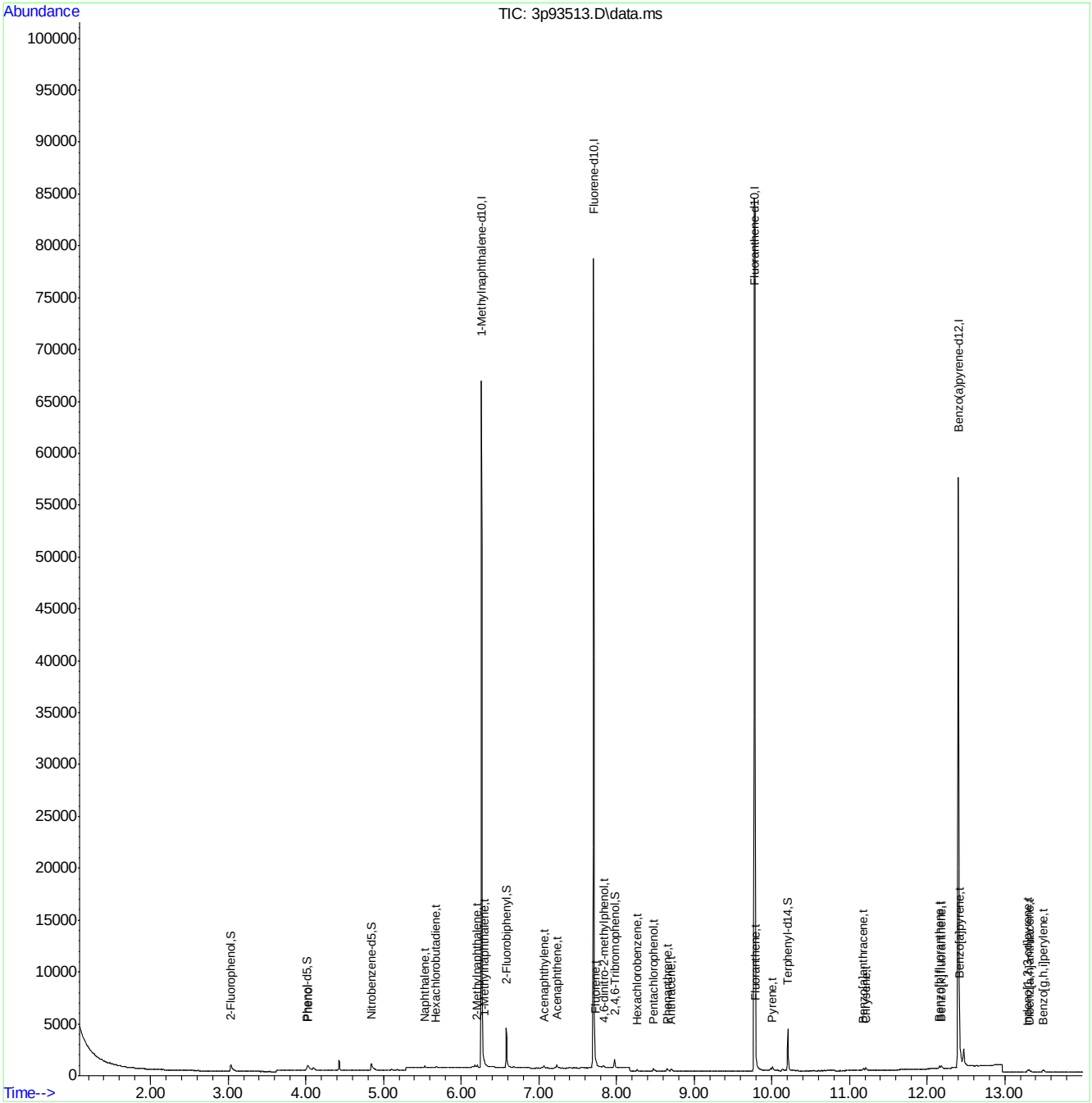
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	6.262	150	20531	800.00	ppb		0.00
12) Fluorene-d10	7.704	176	31653	800.00	ppb		0.00
19) Fluoranthene-d10	9.776	212	59873	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	12.403	264	37867	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.035	112	575	33.16	ppb		0.02
Spiked Amount 50.000			Recovery =	66.32%			
4) Phenol-d5	4.017	99	753	31.52	ppb		0.02
Spiked Amount 50.000			Recovery =	63.04%			
7) Nitrobenzene-d5	4.842	82	919	43.57	ppb		0.01
Spiked Amount 50.000			Recovery =	87.14%			
13) 2-Fluorobiphenyl	6.582	172	2171	50.07	ppb		0.00
Spiked Amount 50.000			Recovery =	100.14%			
18) 2,4,6-Tribromophenol	7.977	330	364	42.13	ppb		0.00
Spiked Amount 50.000			Recovery =	84.26%			
26) Terphenyl-d14	10.206	244	2673	51.76	ppb		0.00
Spiked Amount 50.000			Recovery =	103.52%			
Target Compounds							Qvalue
5) Phenol	4.031	94	213	8.55	ppb		95
8) Naphthalene	5.536	128	143	2.31	ppb		96
9) Hexachlorobutadiene	5.678	225	43	2.80	ppb		96
10) 2-Methylnaphthalene	6.208	141	86	2.45	ppb		95
11) 1-Methylnaphthalene	6.296	141	85	2.53	ppb		92
14) Acenaphthylene	7.064	152	155	2.44	ppb		97
15) Acenaphthene	7.235	153	117	2.60	ppb		95
16) 4,6-dinitro-2-methylph...	7.841	198	44	5.88	ppb	#	62
17) Fluorene	7.732	166	135	2.66	ppb		98
20) Hexachlorobenzene	8.267	284	51	2.56	ppb		93
21) Pentachlorophenol	8.478	266	125	10.09	ppb		98
22) Phenanthrene	8.654	178	207	2.59	ppb		97
23) Anthracene	8.705	178	158	1.98	ppb		95
24) Fluoranthene	9.796	202	303	3.28	ppb		97
25) Pyrene	10.009	202	245	2.60	ppb		98
27) Benzo[a]anthracene	11.181	228	173	2.11	ppb		93
28) Chrysene	11.211	228	188	2.25	ppb		95
30) Benzo[b]fluoranthene	12.160	252	163	2.28	ppb		94
31) Benzo[k]fluoranthene	12.181	252	163	2.17	ppb		95
32) Benzo[a]pyrene	12.420	252	155	2.23	ppb		89
33) Indeno[1,2,3-cd]pyrene	13.294	276	195	2.52	ppb		95
34) Dibenz[a,h]anthracene	13.314	278	157	2.46	ppb		84
35) Benzo[g,h,i]perylene	13.497	276	184	2.70	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93513.D
Acq On : 27 Jun 2021 2:31 pm
Operator : kristis
Sample : ic4410-.002
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 28 09:59:48 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93514.D
Acq On : 27 Jun 2021 2:50 pm
Operator : kristis
Sample : ic4410-.05
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:01:15 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

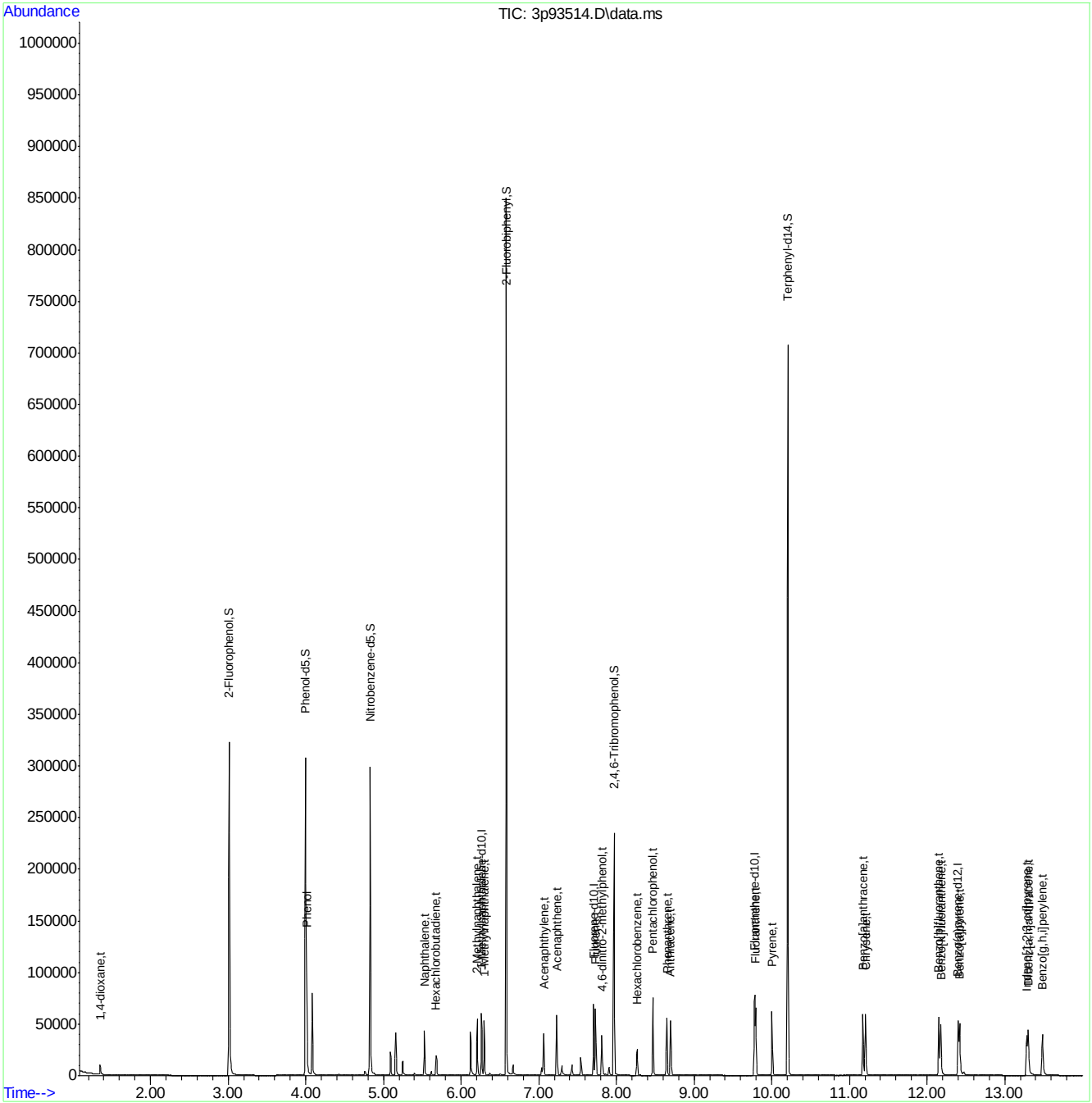
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.262	150	18010	800.00	ppb	0.00
12) Fluorene-d10	7.704	176	28060	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	52415	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.399	264	34463	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.012	112	137579	9045.34	ppb	0.00
Spiked Amount 50.000			Recovery	= 18090.68%		
4) Phenol-d5	3.997	99	196279	9366.33	ppb	0.00
Spiked Amount 50.000			Recovery	= 18732.66%		
7) Nitrobenzene-d5	4.828	82	171652	9278.26	ppb	0.00
Spiked Amount 50.000			Recovery	= 18556.52%		
13) 2-Fluorobiphenyl	6.581	172	367188	9553.13	ppb	0.00
Spiked Amount 50.000			Recovery	= 19106.26%		
18) 2,4,6-Tribromophenol	7.970	330	74232	9690.91	ppb	0.00
Spiked Amount 50.000			Recovery	= 19381.82%		
26) Terphenyl-d14	10.206	244	409612	9060.14	ppb	0.00
Spiked Amount 50.000			Recovery	= 18120.28%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.352	88	3559m	497.94	ppb	
5) Phenol	4.010	94	49548	2267.02	ppb	# 59
8) Naphthalene	5.529	128	25714	473.94	ppb	100
9) Hexachlorobutadiene	5.678	225	6289	467.34	ppb	99
10) 2-Methylnaphthalene	6.208	141	15788	512.85	ppb	98
11) 1-Methylnaphthalene	6.296	141	14793	501.72	ppb	97
14) Acenaphthylene	7.064	152	28120	499.50	ppb	100
15) Acenaphthene	7.234	153	20011	502.03	ppb	99
16) 4,6-dinitro-2-methylph...	7.813	198	19082	2875.08	ppb	94
17) Fluorene	7.732	166	22997	511.38	ppb	98
20) Hexachlorobenzene	8.267	284	8056	462.33	ppb	99
21) Pentachlorophenol	8.469	266	26155	2410.49	ppb	99
22) Phenanthrene	8.650	178	33790	482.03	ppb	99
23) Anthracene	8.696	178	33946	487.10	ppb	98
24) Fluoranthene	9.796	202	39375	486.21	ppb	98
25) Pyrene	10.003	202	41273	500.26	ppb	97
27) Benzo[a]anthracene	11.173	228	35296	491.74	ppb	98
28) Chrysene	11.206	228	37322	510.46	ppb	99
30) Benzo[b]fluoranthene	12.151	252	33524	515.24	ppb	98
31) Benzo[k]fluoranthene	12.176	252	33499	490.38	ppb	98
32) Benzo[a]pyrene	12.420	252	32153	509.26	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.284	276	36695	521.75	ppb	100
34) Dibenz[a,h]anthracene	13.304	278	30121	517.85	ppb	99
35) Benzo[g,h,i]perylene	13.484	276	31803	513.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93514.D
Acq On : 27 Jun 2021 2:50 pm
Operator : kristis
Sample : ic4410-.05
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:01:15 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

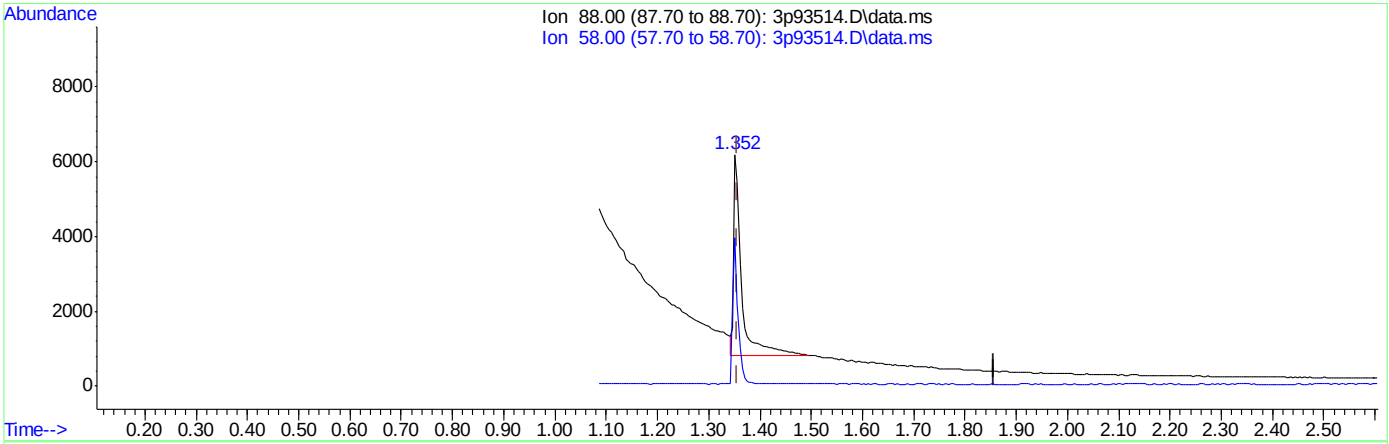
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93514.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 14:50	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

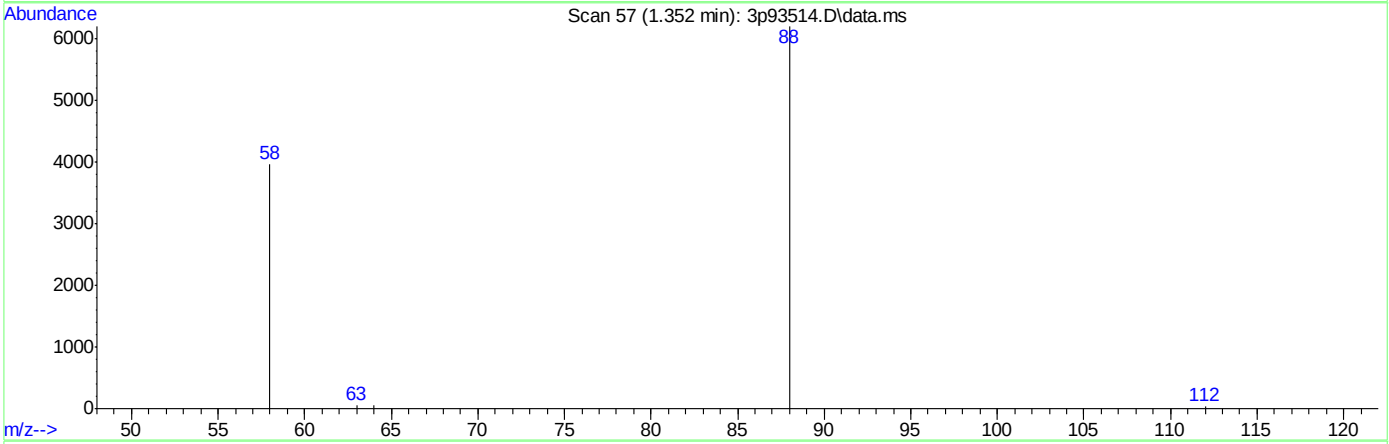
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.35	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93514.D
Acq On : 27 Jun 2021 2:50 pm
Operator : kristis
Sample : ic4410-.05
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:00:44 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93514.D\data.ms

(2) 1,4-dioxane (t)

1.352min (-0.005) 804.90ppb

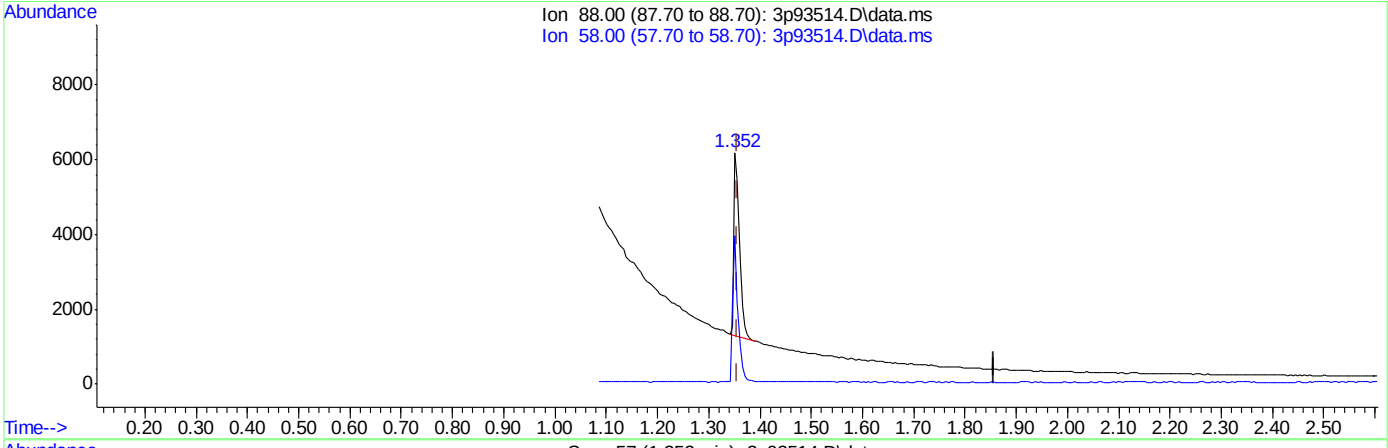
response 5753

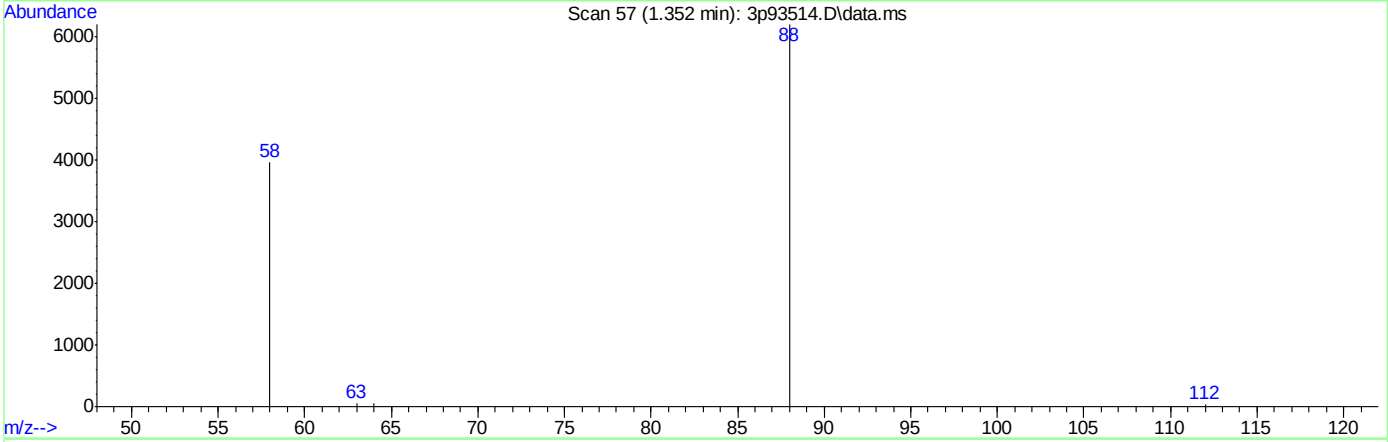
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	76.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93514.D
Acq On : 27 Jun 2021 2:50 pm
Operator : kristis
Sample : ic4410-.05
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 10:00:44 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93514.D\data.ms

(2) 1,4-dioxane (t)

1.352min (-0.005) 497.94ppb m

response 3559

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	64.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93515.D
Acq On : 27 Jun 2021 3:08 pm
Operator : kristis
Sample : ic4410-.004
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:02:36 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

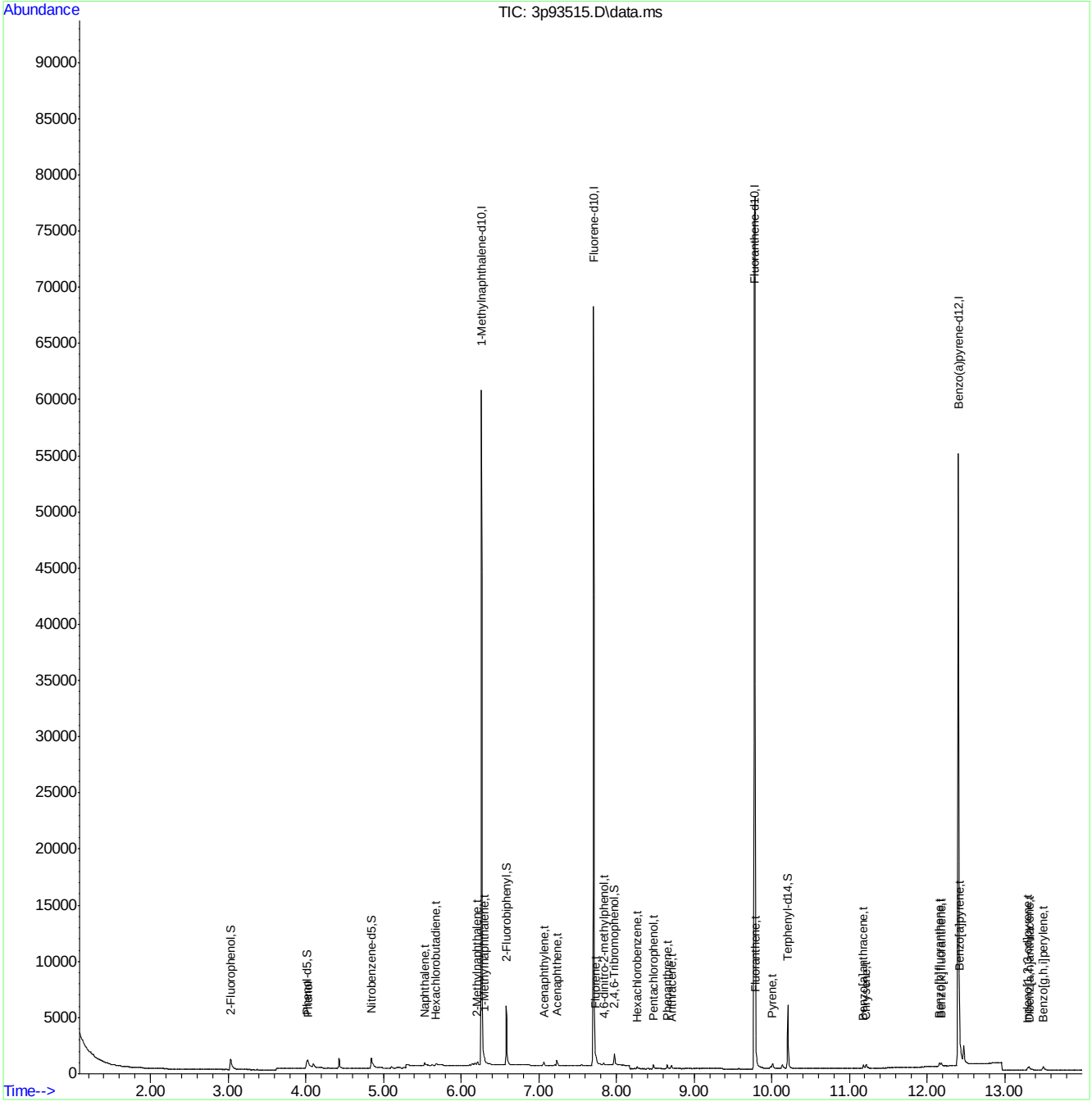
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.263	150	18604	800.00	ppb	0.00
12) Fluorene-d10	7.705	176	28914	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	55437	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	36077	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.031	112	914	58.17	ppb	0.02
Spiked Amount 50.000			Recovery = 116.34%			
4) Phenol-d5	4.017	99	1153	53.26	ppb	0.02
Spiked Amount 50.000			Recovery = 106.52%			
7) Nitrobenzene-d5	4.842	82	1241	64.94	ppb	0.01
Spiked Amount 50.000			Recovery = 129.88%			
13) 2-Fluorobiphenyl	6.582	172	3111	78.55	ppb	0.00
Spiked Amount 50.000			Recovery = 157.10%			
18) 2,4,6-Tribromophenol	7.970	330	508	64.36	ppb	0.00
Spiked Amount 50.000			Recovery = 128.72%			
26) Terphenyl-d14	10.207	244	3713	77.65	ppb	0.00
Spiked Amount 50.000			Recovery = 155.30%			
Target Compounds						Qvalue
5) Phenol	4.031	94	298	13.20	ppb	# 77
8) Naphthalene	5.536	128	230	4.10	ppb	97
9) Hexachlorobutadiene	5.678	225	52	3.74	ppb	92
10) 2-Methylnaphthalene	6.208	141	122	3.84	ppb	84
11) 1-Methylnaphthalene	6.296	141	118	3.87	ppb	89
14) Acenaphthylene	7.064	152	221	3.81	ppb	96
15) Acenaphthene	7.235	153	159	3.87	ppb	95
16) 4,6-dinitro-2-methylph...	7.834	198	62	9.07	ppb	91
17) Fluorene	7.732	166	182	3.93	ppb	99
20) Hexachlorobenzene	8.267	284	63	3.42	ppb	99
21) Pentachlorophenol	8.478	266	169	14.73	ppb	94
22) Phenanthrene	8.655	178	278	3.75	ppb	95
23) Anthracene	8.709	178	230	3.12	ppb	98
24) Fluoranthene	9.796	202	395	4.61	ppb	94
25) Pyrene	10.009	202	346	3.97	ppb	98
27) Benzo[a]anthracene	11.181	228	226	2.98	ppb	98
28) Chrysene	11.215	228	269	3.48	ppb	98
30) Benzo[b]fluoranthene	12.160	252	232	3.41	ppb	97
31) Benzo[k]fluoranthene	12.185	252	213	2.98	ppb	94
32) Benzo[a]pyrene	12.420	252	244	3.69	ppb	90
33) Indeno[1,2,3-cd]pyrene	13.294	276	259	3.52	ppb	95
34) Dibenz[a,h]anthracene	13.317	278	214	3.51	ppb	95
35) Benzo[g,h,i]perylene	13.497	276	274	4.22	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93515.D
Acq On : 27 Jun 2021 3:08 pm
Operator : kristis
Sample : ic4410-.004
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 10:02:36 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93516.D
Acq On : 27 Jun 2021 3:27 pm
Operator : kristis
Sample : ic4410-.1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:07:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

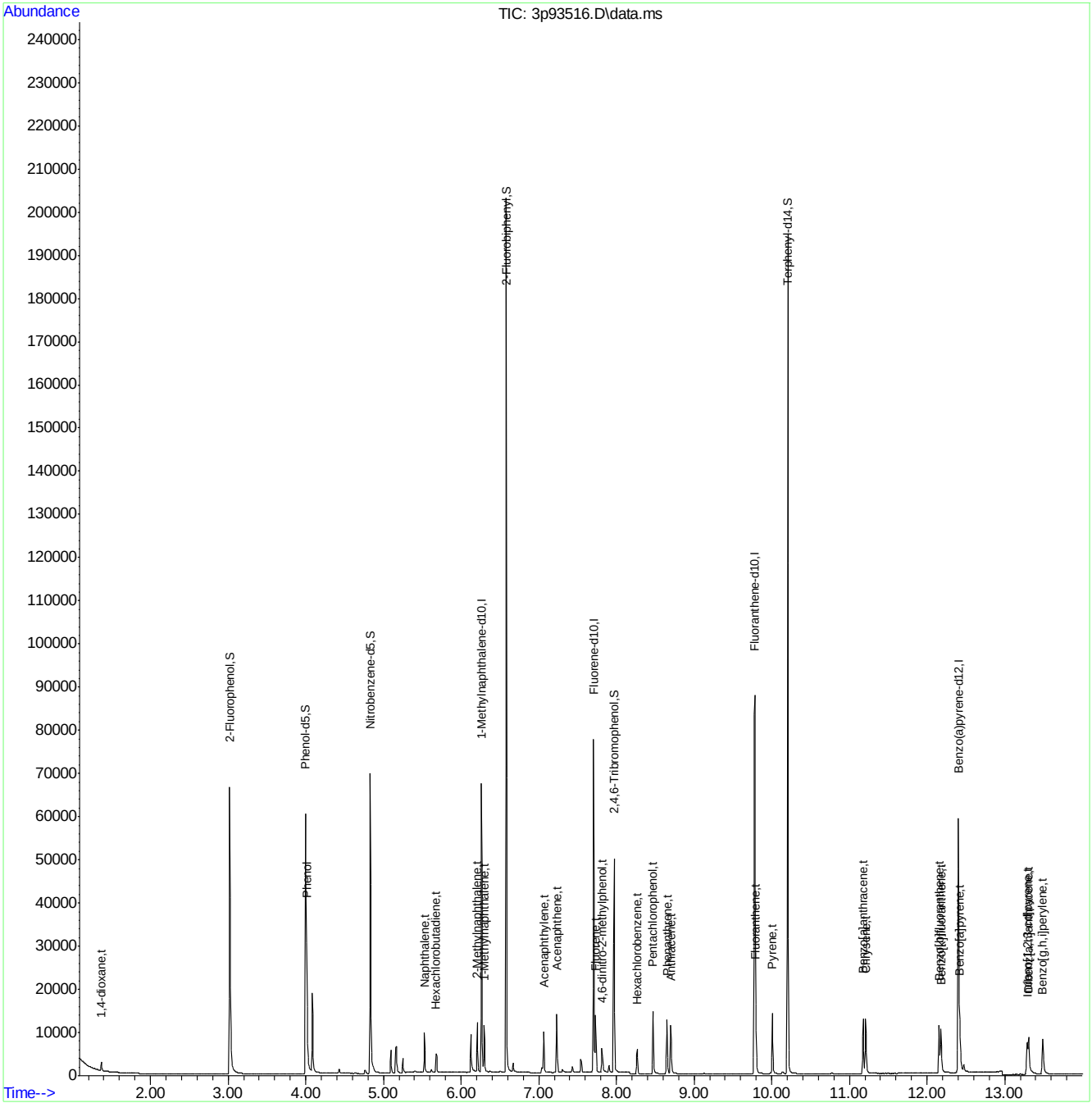
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1-Methylnaphthalene-d10	6.262	150	19999	800.00 ppb	0.00
12) Fluorene-d10	7.705	176	31527	800.00 ppb	0.00
19) Fluoranthene-d10	9.781	212	61041	800.00 ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	39103	800.00 ppb	0.00
System Monitoring Compounds					
3) 2-Fluorophenol	3.021	112	33680	1994.12 ppb	0.00
Spiked Amount 50.000			Recovery	= 3988.24%	
4) Phenol-d5	3.997	99	45400	1951.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 3902.00%	
7) Nitrobenzene-d5	4.829	82	44716	2176.64 ppb	0.00
Spiked Amount 50.000			Recovery	= 4353.28%	
13) 2-Fluorobiphenyl	6.582	172	85679	1983.98 ppb	0.00
Spiked Amount 50.000			Recovery	= 3967.96%	
18) 2,4,6-Tribromophenol	7.970	330	16513	1918.69 ppb	0.00
Spiked Amount 50.000			Recovery	= 3837.38%	
26) Terphenyl-d14	10.207	244	108023	2051.69 ppb	0.00
Spiked Amount 50.000			Recovery	= 4103.38%	
Target Compounds					Qvalue
2) 1,4-dioxane	1.366	88	817m	102.94 ppb	
5) Phenol	4.011	94	12164	501.20 ppb	# 81
8) Naphthalene	5.529	128	6238	103.54 ppb	99
9) Hexachlorobutadiene	5.678	225	1497	100.18 ppb	98
10) 2-Methylnaphthalene	6.208	141	3457	101.13 ppb	94
11) 1-Methylnaphthalene	6.296	141	3320	101.40 ppb	95
14) Acenaphthylene	7.064	152	6208	98.15 ppb	99
15) Acenaphthene	7.235	153	4415	98.58 ppb	97
16) 4,6-dinitro-2-methylph...	7.814	198	3217	431.40 ppb	74
17) Fluorene	7.732	166	5129	101.51 ppb	98
20) Hexachlorobenzene	8.267	284	1879	92.60 ppb	97
21) Pentachlorophenol	8.469	266	5668	448.55 ppb	99
22) Phenanthrene	8.650	178	7728	94.67 ppb	99
23) Anthracene	8.701	178	7681	94.64 ppb	99
24) Fluoranthene	9.796	202	9345	99.09 ppb	99
25) Pyrene	10.009	202	9359	97.41 ppb	99
27) Benzo[a]anthracene	11.177	228	7636	91.35 ppb	100
28) Chrysene	11.211	228	8746	102.72 ppb	99
30) Benzo[b]fluoranthene	12.156	252	7139	96.70 ppb	99
31) Benzo[k]fluoranthene	12.177	252	7392	95.37 ppb	99
32) Benzo[a]pyrene	12.424	252	7136	99.61 ppb	98
33) Indeno[1,2,3-cd]pyrene	13.289	276	7706	96.57 ppb	100
34) Dibenz[a,h]anthracene	13.309	278	6537	99.05 ppb	98
35) Benzo[g,h,i]perylene	13.490	276	7177	102.03 ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93516.D
Acq On : 27 Jun 2021 3:27 pm
Operator : kristis
Sample : ic4410-.1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:07:57 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

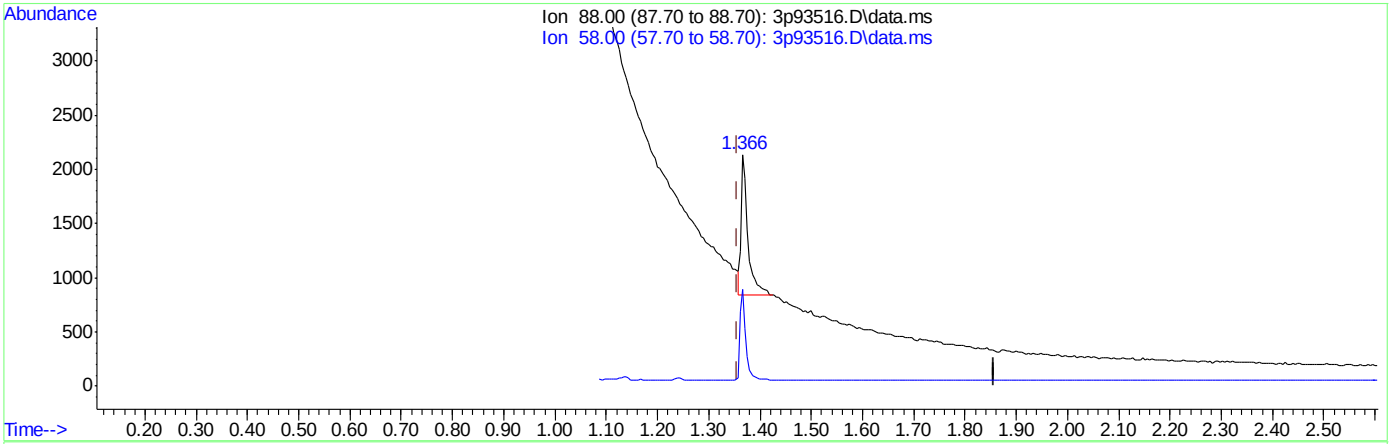
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93516.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 15:27	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

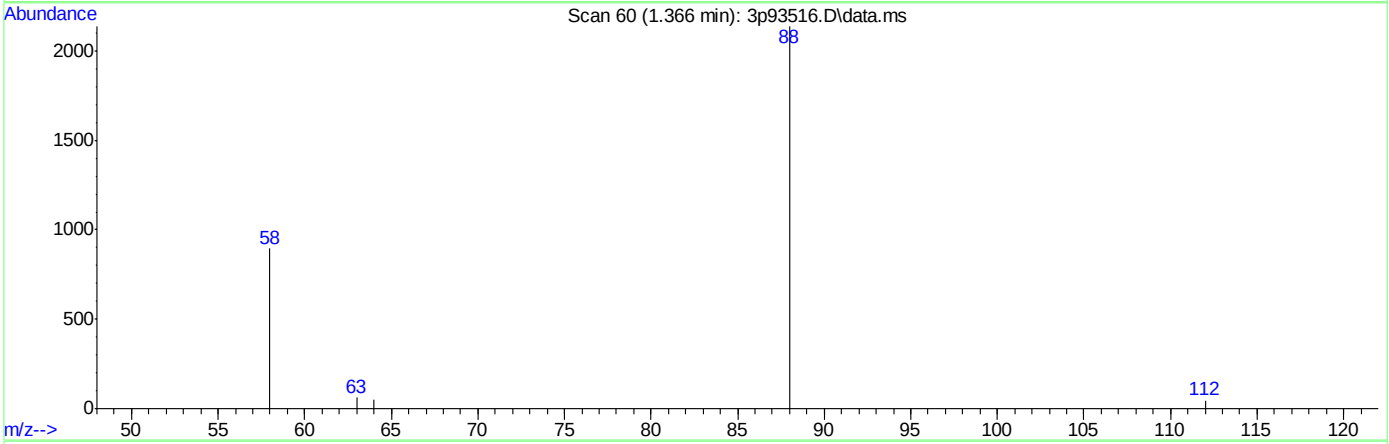
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.37	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93516.D
Acq On : 27 Jun 2021 3:27 pm
Operator : kristis
Sample : ic4410-.1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:07:29 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93516.D\data.ms

(2) 1,4-dioxane (t)

1.366min (+0.010) 156.49ppb

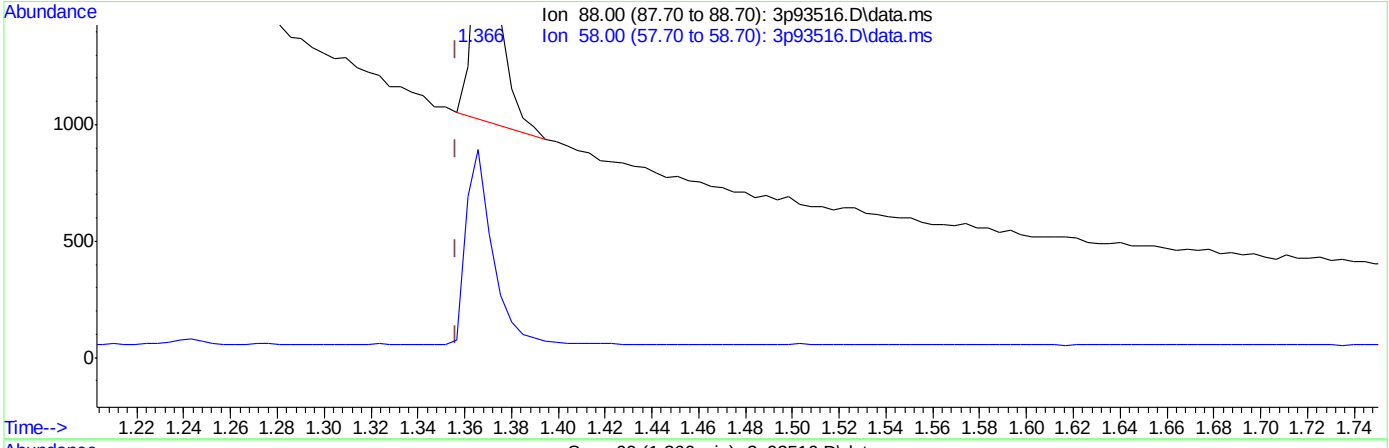
response 1242

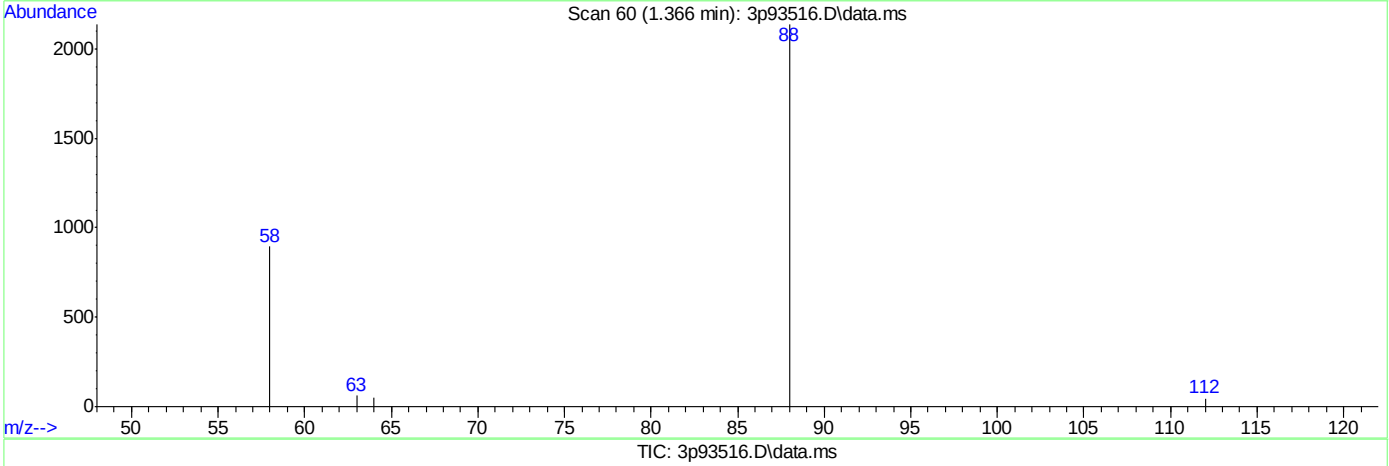
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	69.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93516.D
Acq On : 27 Jun 2021 3:27 pm
Operator : kristis
Sample : ic4410-.1
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 10:07:29 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93516.D\data.ms

(2) 1,4-dioxane (t)

1.366min (+0.010) 102.94ppb m

response 817

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	41.93
0.00	0.00	0.00
0.00	0.00	0.00

3P93517.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93517.D
Acq On : 27 Jun 2021 3:46 pm
Operator : kristis
Sample : ic4410-.01
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:09:09 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

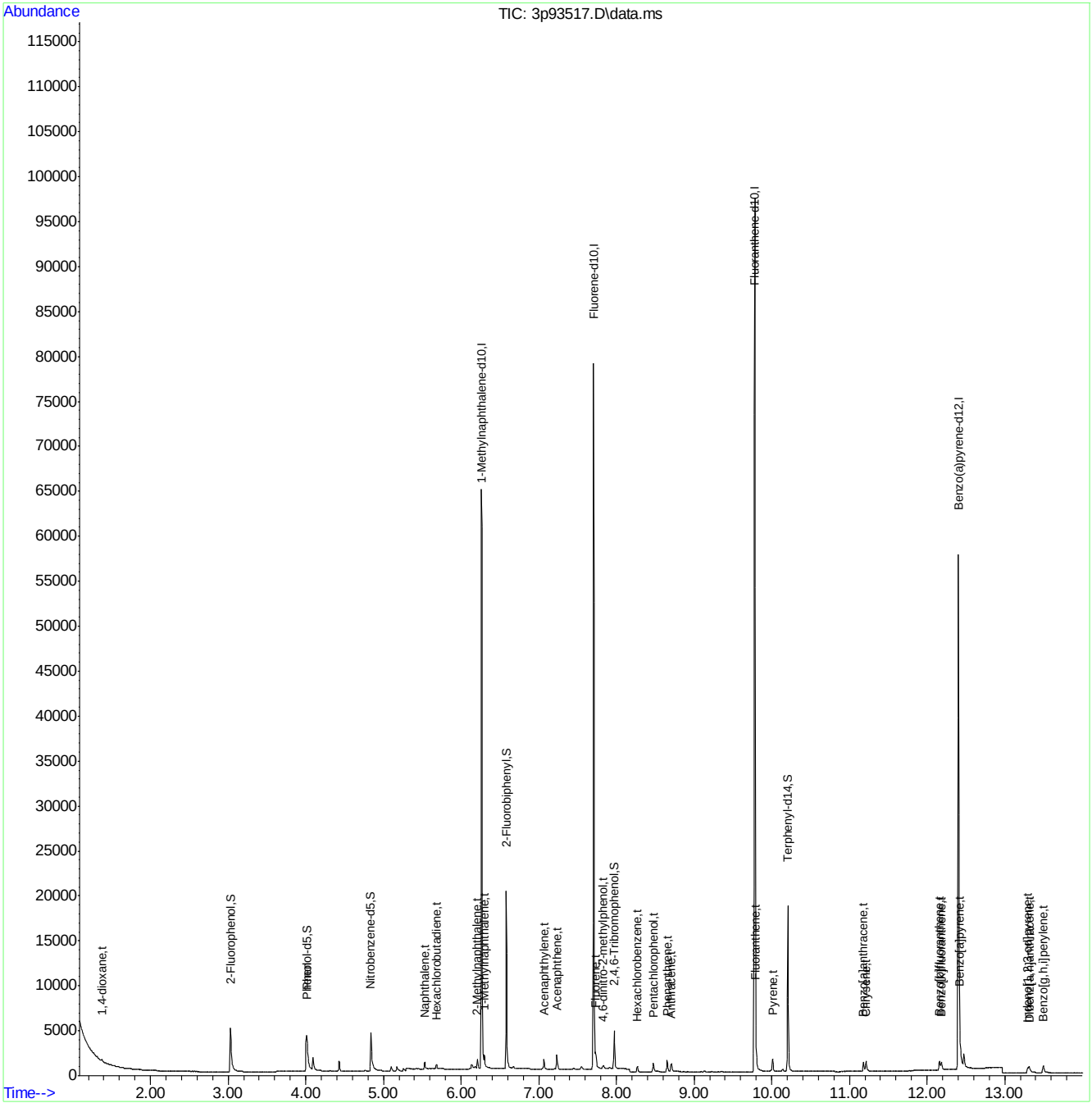
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.269	150	21778	800.00	ppb	# 0.00
12) Fluorene-d10	7.705	176	34473	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	63297	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	38165	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.031	112	3427	186.33	ppb	0.02
Spiked Amount 50.000			Recovery = 372.66%			
4) Phenol-d5	4.011	99	4493	177.31	ppb	0.01
Spiked Amount 50.000			Recovery = 354.62%			
7) Nitrobenzene-d5	4.835	82	4707	210.41	ppb	0.00
Spiked Amount 50.000			Recovery = 420.82%			
13) 2-Fluorobiphenyl	6.582	172	10094	213.76	ppb	0.00
Spiked Amount 50.000			Recovery = 427.52%			
18) 2,4,6-Tribromophenol	7.970	330	1654	175.76	ppb	0.00
Spiked Amount 50.000			Recovery = 351.52%			
26) Terphenyl-d14	10.207	244	11985	219.52	ppb	0.00
Spiked Amount 50.000			Recovery = 439.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	1.375	88	59m	6.83	ppb	
5) Phenol	4.017	94	1234	46.69	ppb	98
8) Naphthalene	5.536	128	692	10.55	ppb	98
9) Hexachlorobutadiene	5.685	225	171	10.51	ppb	94
10) 2-Methylnaphthalene	6.208	141	395	10.61	ppb	79
11) 1-Methylnaphthalene	6.296	141	397	11.14	ppb	91
14) Acenaphthylene	7.064	152	735	10.63	ppb	96
15) Acenaphthene	7.235	153	523	10.68	ppb	93
16) 4,6-dinitro-2-methylph...	7.827	198	212	26.00	ppb	92
17) Fluorene	7.732	166	587	10.62	ppb	96
20) Hexachlorobenzene	8.267	284	214	10.17	ppb	95
21) Pentachlorophenol	8.473	266	472	36.02	ppb	95
22) Phenanthrene	8.654	178	885	10.45	ppb	100
23) Anthracene	8.705	178	810	9.62	ppb	99
24) Fluoranthene	9.796	202	1121	11.46	ppb	99
25) Pyrene	10.013	202	1052	10.56	ppb	100
27) Benzo[a]anthracene	11.181	228	728	8.40	ppb	98
28) Chrysene	11.215	228	889	10.07	ppb	99
30) Benzo[b]fluoranthene	12.160	252	696	9.66	ppb	97
31) Benzo[k]fluoranthene	12.185	252	729	9.64	ppb	99
32) Benzo[a]pyrene	12.424	252	711	10.17	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.294	276	738	9.48	ppb	99
34) Dibenz[a,h]anthracene	13.316	278	613	9.52	ppb	95
35) Benzo[g,h,i]perylene	13.497	276	703	10.24	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93517.D
Acq On : 27 Jun 2021 3:46 pm
Operator : kristis
Sample : ic4410-.01
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:09:09 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

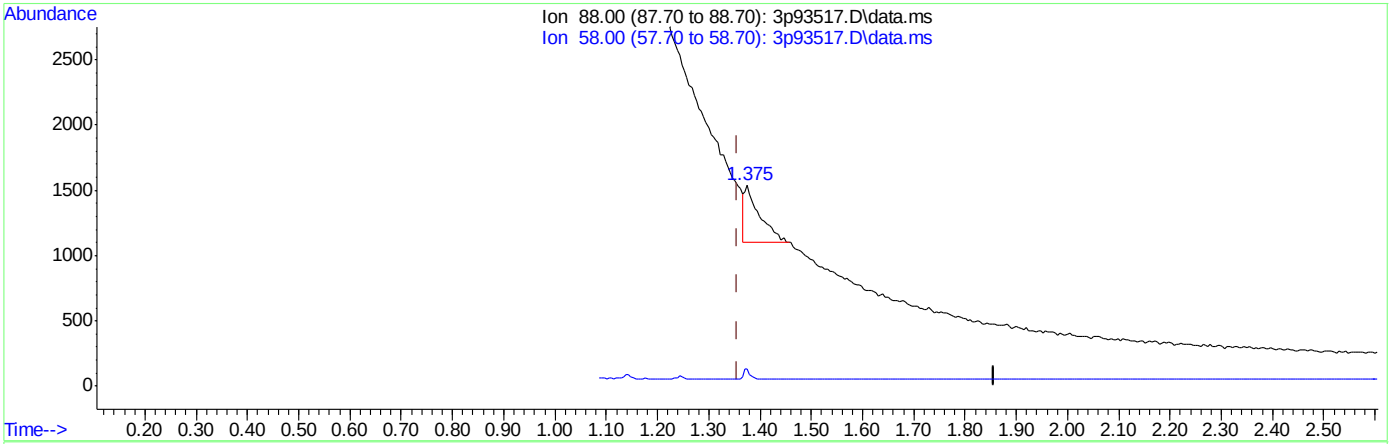
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93517.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 15:46	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

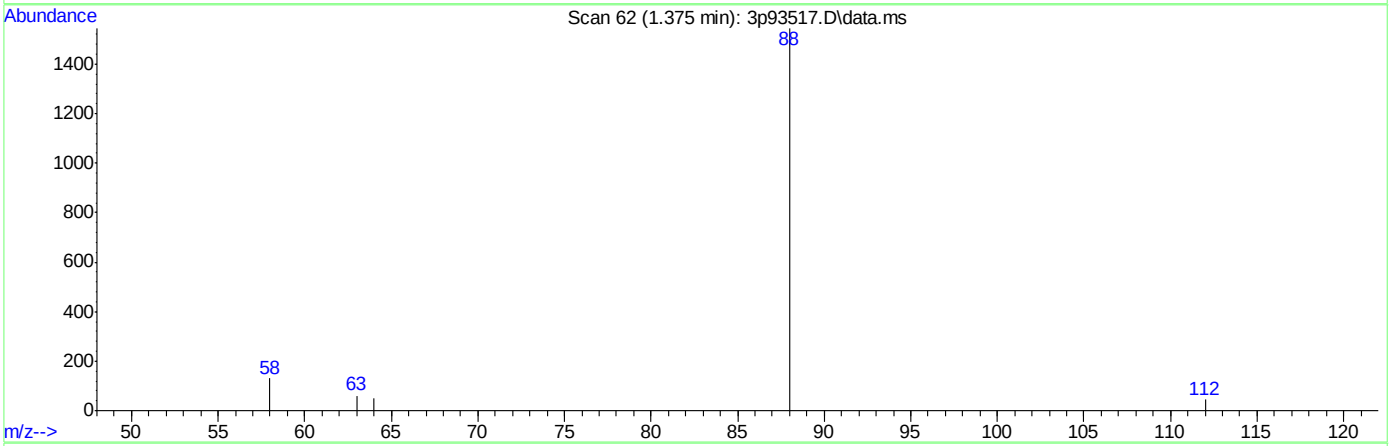
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.38	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93517.D
Acq On : 27 Jun 2021 3:46 pm
Operator : kristis
Sample : ic4410-.01
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:08:26 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93517.D\data.ms

(2) 1,4-dioxane (t)

1.375min (+0.019) 105.17ppb

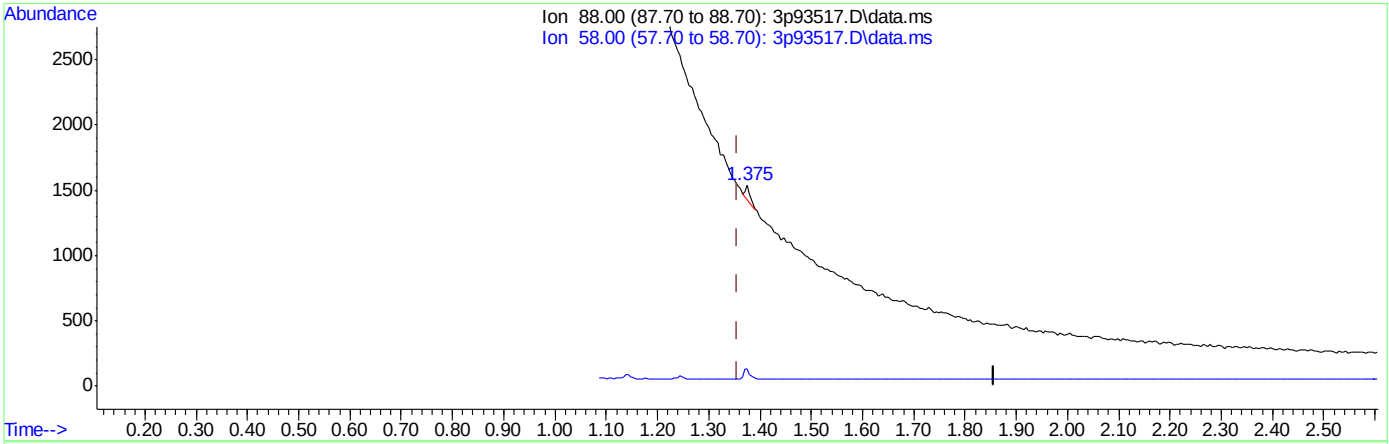
response 909

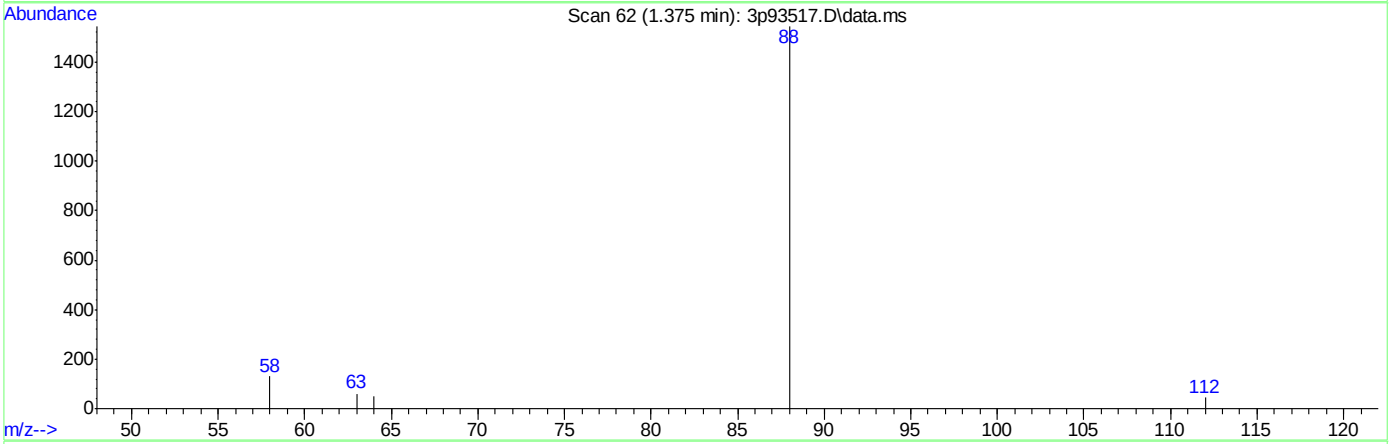
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	26.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93517.D
Acq On : 27 Jun 2021 3:46 pm
Operator : kristis
Sample : ic4410-.01
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 10:08:26 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93517.D\data.ms

(2) 1,4-dioxane (t)

1.375min (+0.019) 6.83ppb m

response 59

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	8.48#
0.00	0.00	0.00
0.00	0.00	0.00

9.6.7.3

9

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/28/21 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93518.D
Acq On : 27 Jun 2021 4:04 pm
Operator : kristis
Sample : ic4410-.04
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:10:47 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

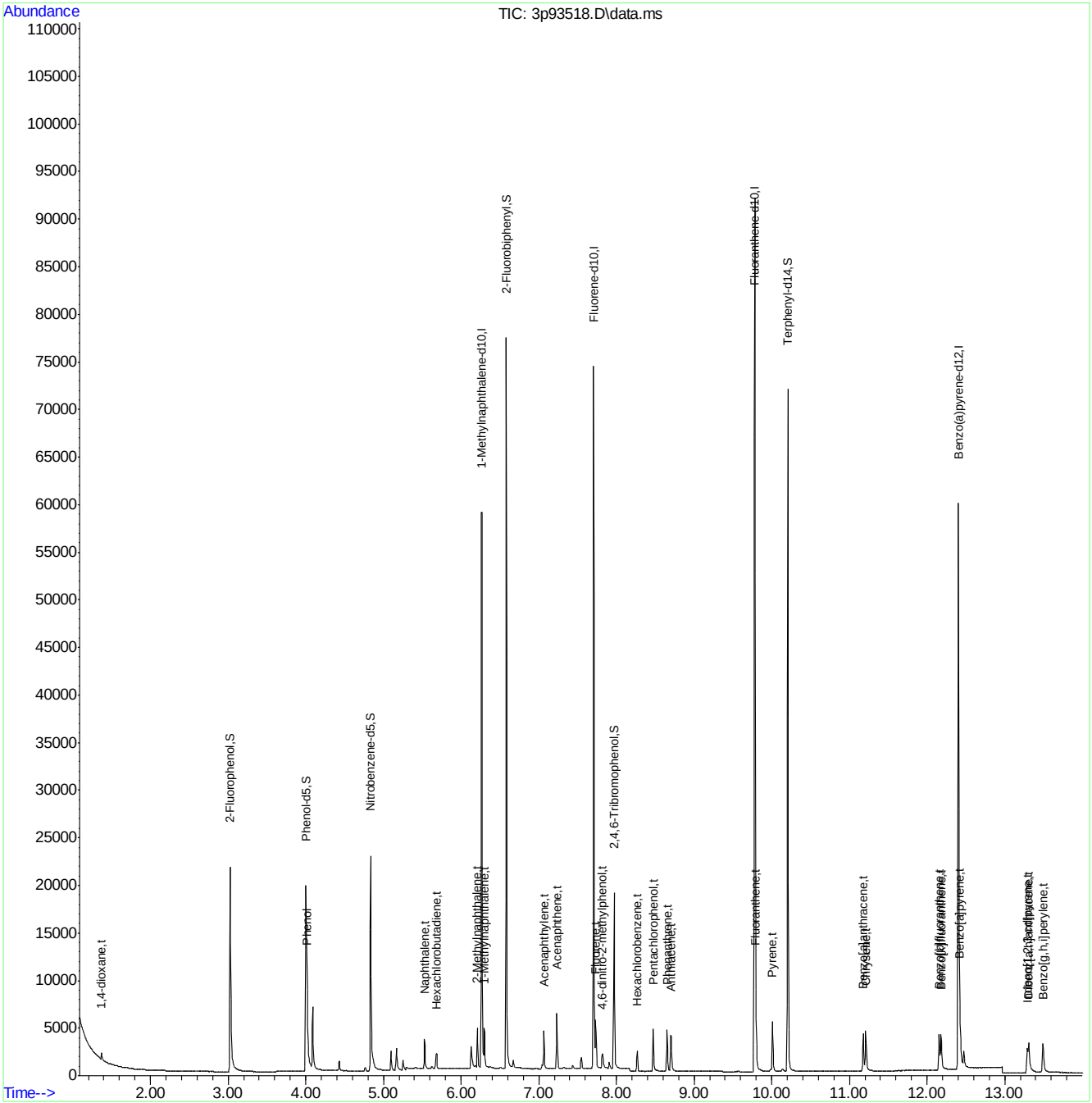
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.269	150	20364	800.00	ppb	0.00
12) Fluorene-d10	7.704	176	31965	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	59396	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	38711	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.026	112	12437	723.17	ppb	0.01
Spiked Amount 50.000			Recovery	= 1446.34%		
4) Phenol-d5	4.004	99	16963	715.89	ppb	0.00
Spiked Amount 50.000			Recovery	= 1431.78%		
7) Nitrobenzene-d5	4.835	82	17312	827.59	ppb	0.00
Spiked Amount 50.000			Recovery	= 1655.18%		
13) 2-Fluorobiphenyl	6.582	172	35262	805.34	ppb	0.00
Spiked Amount 50.000			Recovery	= 1610.68%		
18) 2,4,6-Tribromophenol	7.970	330	6179	708.12	ppb	0.00
Spiked Amount 50.000			Recovery	= 1416.24%		
26) Terphenyl-d14	10.206	244	42673	832.94	ppb	0.00
Spiked Amount 50.000			Recovery	= 1665.88%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.371	88	268m	33.16	ppb	
5) Phenol	4.017	94	4686	189.62	ppb	# 81
8) Naphthalene	5.529	128	2441	39.79	ppb	98
9) Hexachlorobutadiene	5.685	225	584	38.38	ppb	91
10) 2-Methylnaphthalene	6.208	141	1377	39.56	ppb	88
11) 1-Methylnaphthalene	6.296	141	1380	41.39	ppb	91
14) Acenaphthylene	7.064	152	2520	39.29	ppb	98
15) Acenaphthene	7.235	153	1815	39.97	ppb	94
16) 4,6-dinitro-2-methylph...	7.820	198	1041	137.69	ppb	87
17) Fluorene	7.732	166	2032	39.67	ppb	96
20) Hexachlorobenzene	8.267	284	728	36.87	ppb	98
21) Pentachlorophenol	8.473	266	1933	157.21	ppb	97
22) Phenanthrene	8.650	178	3062	38.55	ppb	98
23) Anthracene	8.701	178	2996	37.94	ppb	98
24) Fluoranthene	9.796	202	3655	39.83	ppb	99
25) Pyrene	10.008	202	3565	38.13	ppb	99
27) Benzo[a]anthracene	11.181	228	2791	34.31	ppb	98
28) Chrysene	11.211	228	3287	39.67	ppb	99
30) Benzo[b]fluoranthene	12.155	252	2511	34.36	ppb	97
31) Benzo[k]fluoranthene	12.181	252	2948	38.42	ppb	98
32) Benzo[a]pyrene	12.424	252	2896	40.84	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.292	276	2992	37.87	ppb	98
34) Dibenz[a,h]anthracene	13.311	278	2450	37.50	ppb	98
35) Benzo[g,h,i]perylene	13.494	276	2811	40.37	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93518.D
Acq On : 27 Jun 2021 4:04 pm
Operator : kristis
Sample : ic4410-.04
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:10:47 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

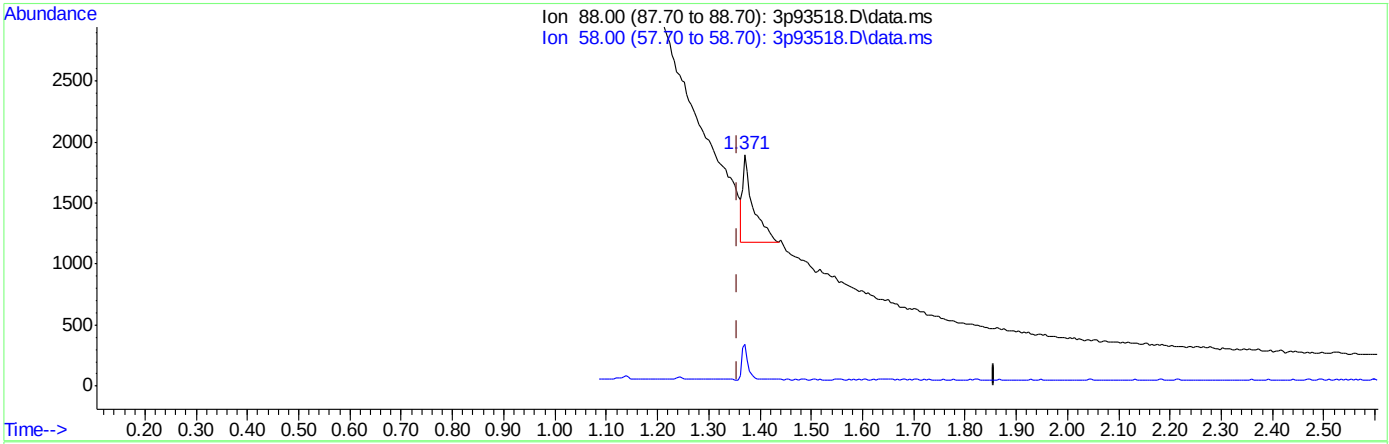
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93518.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 16:04	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

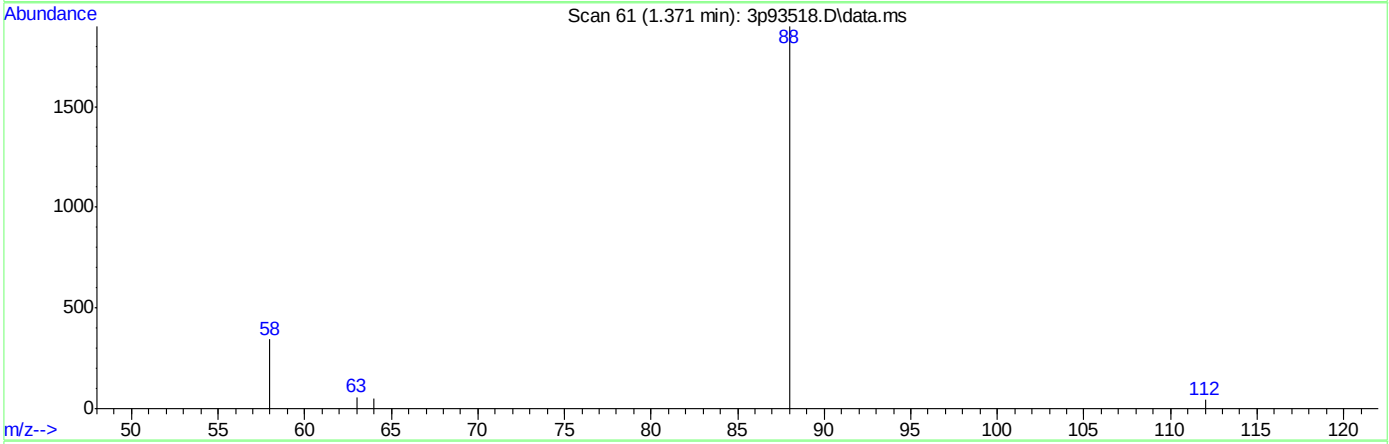
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.37	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93518.D
Acq On : 27 Jun 2021 4:04 pm
Operator : kristis
Sample : ic4410-.04
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:10:11 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93518.D\data.ms

(2) 1,4-dioxane (t)

1.371min (+0.014) 125.59ppb

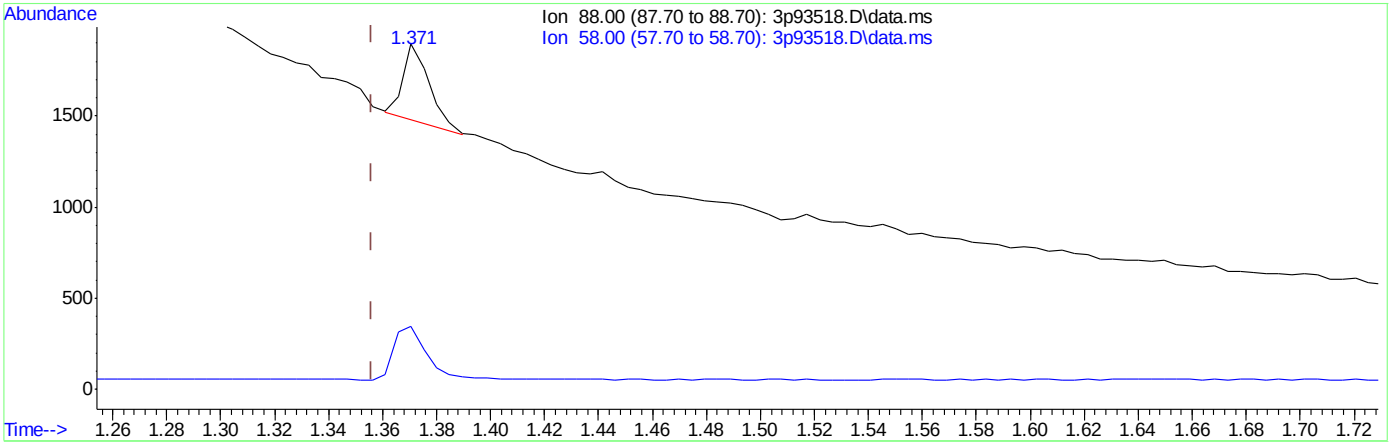
response 1015

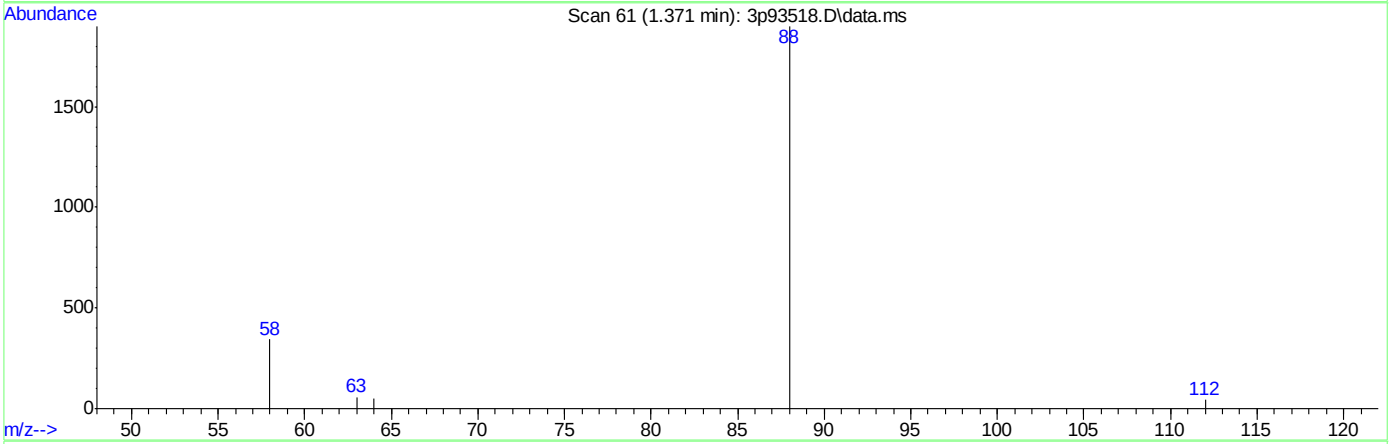
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	50.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93518.D
Acq On : 27 Jun 2021 4:04 pm
Operator : kristis
Sample : ic4410-.04
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 10:10:11 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93518.D\data.ms

(2) 1,4-dioxane (t)

1.371min (+0.014) 33.16ppb m

response 268

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	18.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Nina Pandya
06/28/21 18:17

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration

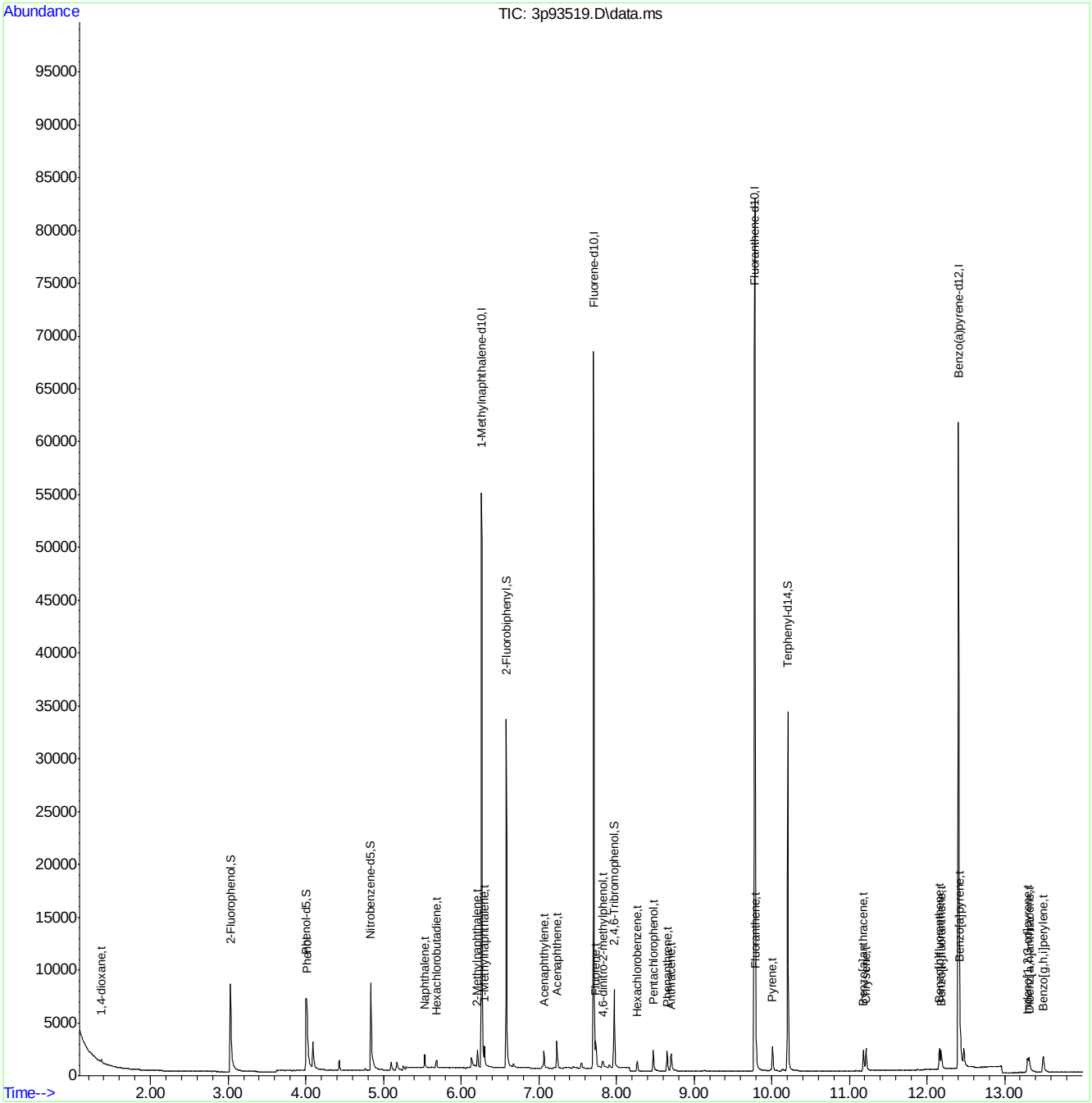
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	6.263	150	18094	800.00	ppb		# 0.00
12) Fluorene-d10	7.705	176	29351	800.00	ppb		0.00
19) Fluoranthene-d10	9.781	212	55345	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	12.403	264	41358	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.031	112	5708	373.54	ppb		0.02
Spiked Amount 50.000			Recovery = 747.08%				
4) Phenol-d5	4.004	99	7426	352.72	ppb		0.00
Spiked Amount 50.000			Recovery = 705.44%				
7) Nitrobenzene-d5	4.835	82	7668	412.55	ppb		0.00
Spiked Amount 50.000			Recovery = 825.10%				
13) 2-Fluorobiphenyl	6.582	172	16483	409.98	ppb		0.00
Spiked Amount 50.000			Recovery = 819.96%				
18) 2,4,6-Tribromophenol	7.970	330	2757	344.09	ppb		0.00
Spiked Amount 50.000			Recovery = 688.18%				
26) Terphenyl-d14	10.207	244	20273	424.68	ppb		0.00
Spiked Amount 50.000			Recovery = 849.36%				
Target Compounds							Qvalue
2) 1,4-dioxane	1.371	88	1650	229.78	ppb		75
5) Phenol	4.017	94	2083	94.86	ppb		92
8) Naphthalene	5.536	128	1114	20.44	ppb		98
9) Hexachlorobutadiene	5.685	225	262	19.38	ppb		92
10) 2-Methylnaphthalene	6.208	141	646	20.89	ppb		80
11) 1-Methylnaphthalene	6.303	141	630	21.27	ppb		91
14) Acenaphthylene	7.064	152	1119	19.00	ppb		99
15) Acenaphthene	7.235	153	829	19.88	ppb		96
16) 4,6-dinitro-2-methylph...	7.827	198	462	66.55	ppb	#	76
17) Fluorene	7.732	166	959	20.39	ppb		97
20) Hexachlorobenzene	8.267	284	348	18.91	ppb		97
21) Pentachlorophenol	8.473	266	903	78.82	ppb		99
22) Phenanthrene	8.655	178	1394	18.83	ppb		99
23) Anthracene	8.705	178	1344	18.26	ppb		100
24) Fluoranthene	9.796	202	1759	20.57	ppb		99
25) Pyrene	10.009	202	1718	19.72	ppb		99
27) Benzo[a]anthracene	11.181	228	1290	17.02	ppb		100
28) Chrysene	11.215	228	1720	22.28	ppb		98
30) Benzo[b]fluoranthene	12.160	252	1330	17.03	ppb		99
31) Benzo[k]fluoranthene	12.181	252	1485	18.11	ppb		100
32) Benzo[a]pyrene	12.424	252	1645	21.71	ppb		99
33) Indeno[1,2,3-cd]pyrene	13.294	276	1559	18.47	ppb		98
34) Dibenz[a,h]anthracene	13.314	278	1137	16.29	ppb		95
35) Benzo[g,h,i]perylene	13.497	276	1478	19.87	ppb		99

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration



Manual Integration Approval Summary

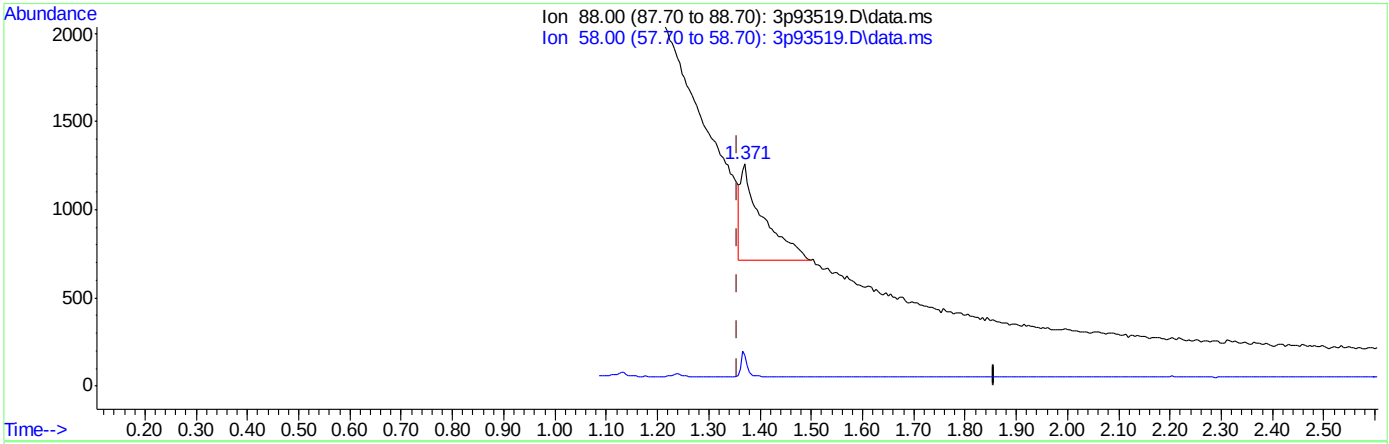
Sample Number:	E3P4410-IC4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93519.D	**Analyst approved:**	06/28/21 15:42 Ying Li
Injection Time:	06/27/21 16:23	**Supervisor approved:**	06/28/21 18:17 Nina Pandya

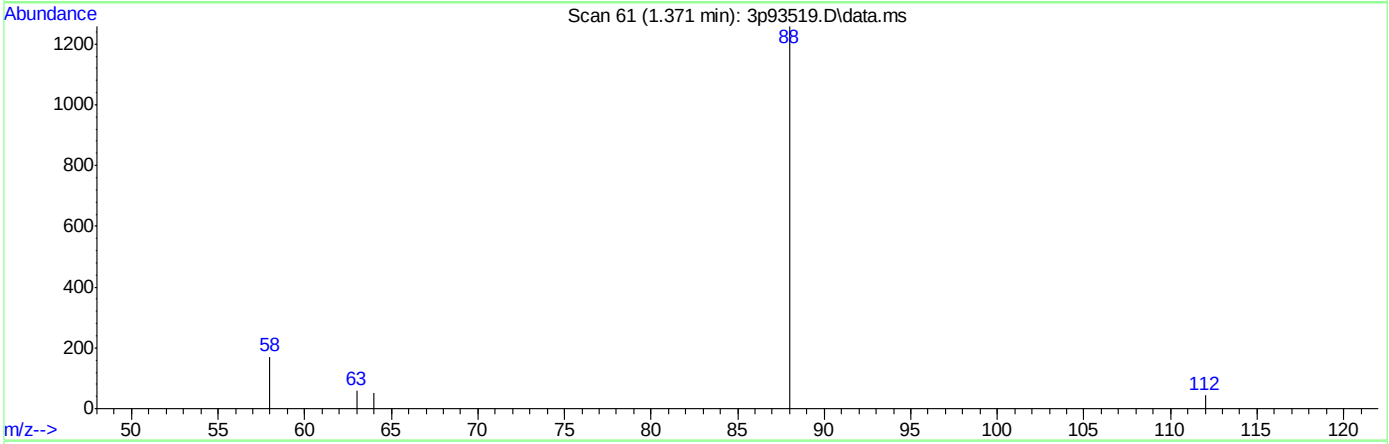
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.37	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		13.31	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93519.D\data.ms

(2) 1,4-dioxane (t)

1.371min (+0.014) 229.78ppb

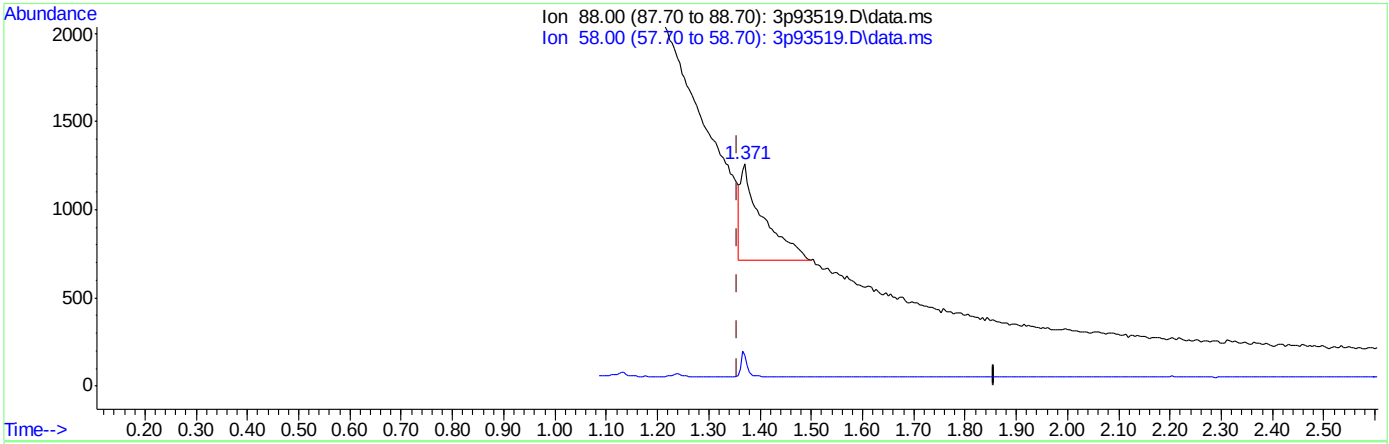
response 1650

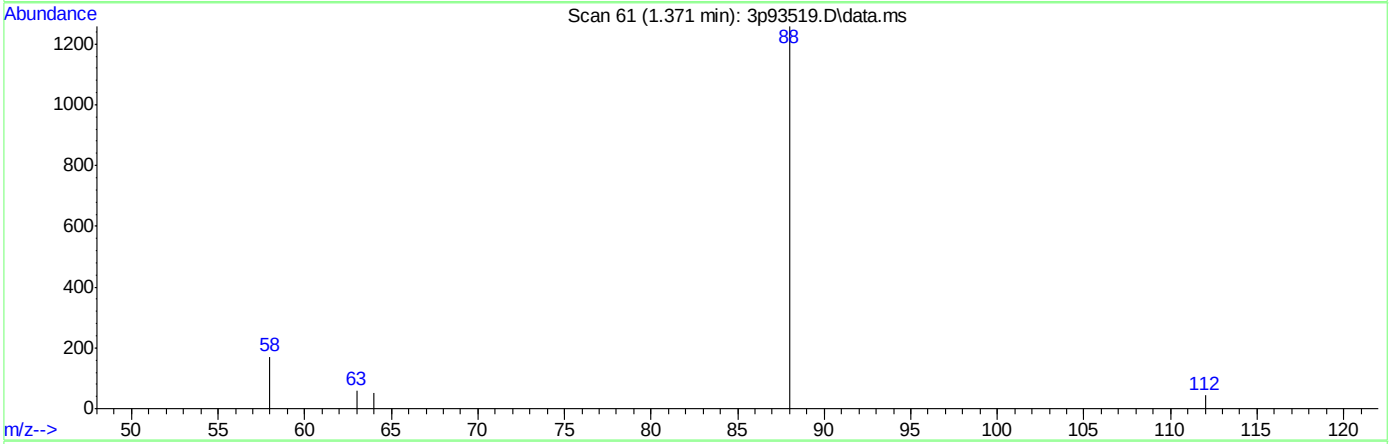
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	35.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93519.D\data.ms

(2) 1,4-dioxane (t)

1.371min (+0.014) 229.78ppb

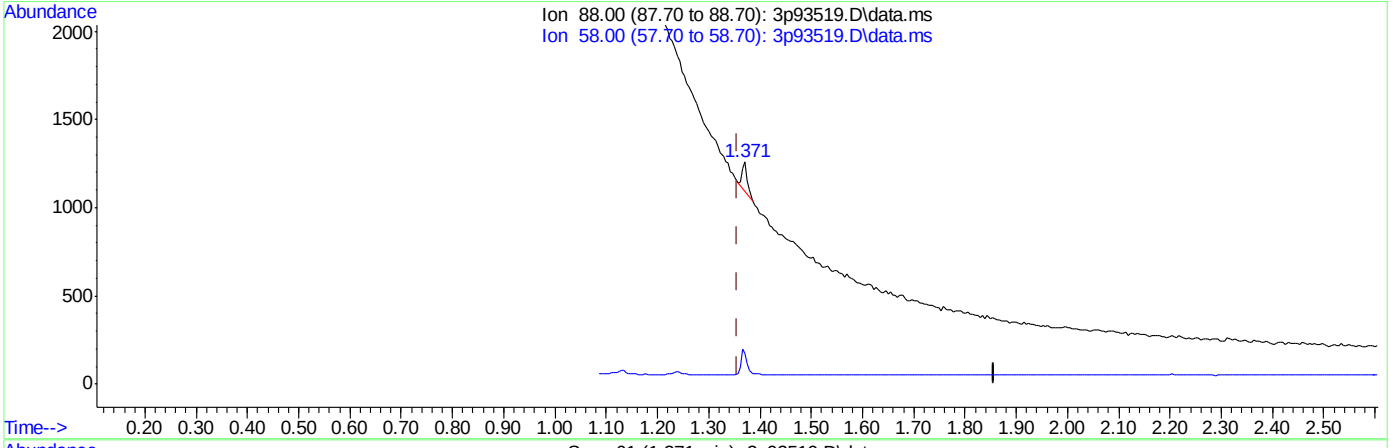
response 1650

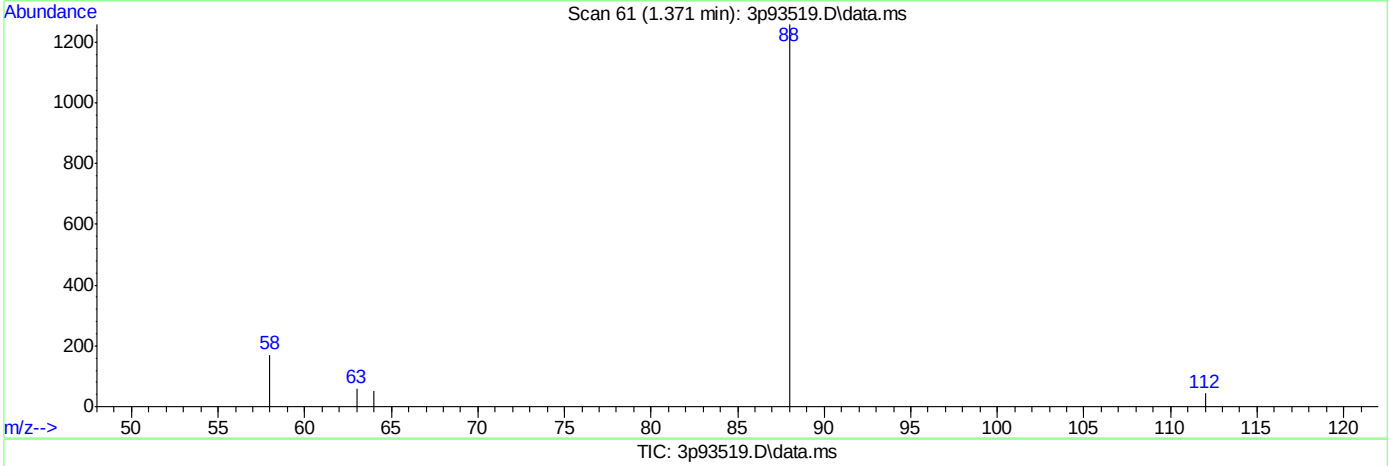
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	35.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93519.D\data.ms

(2) 1,4-dioxane (t)

1.371min (+0.014) 15.74ppb m

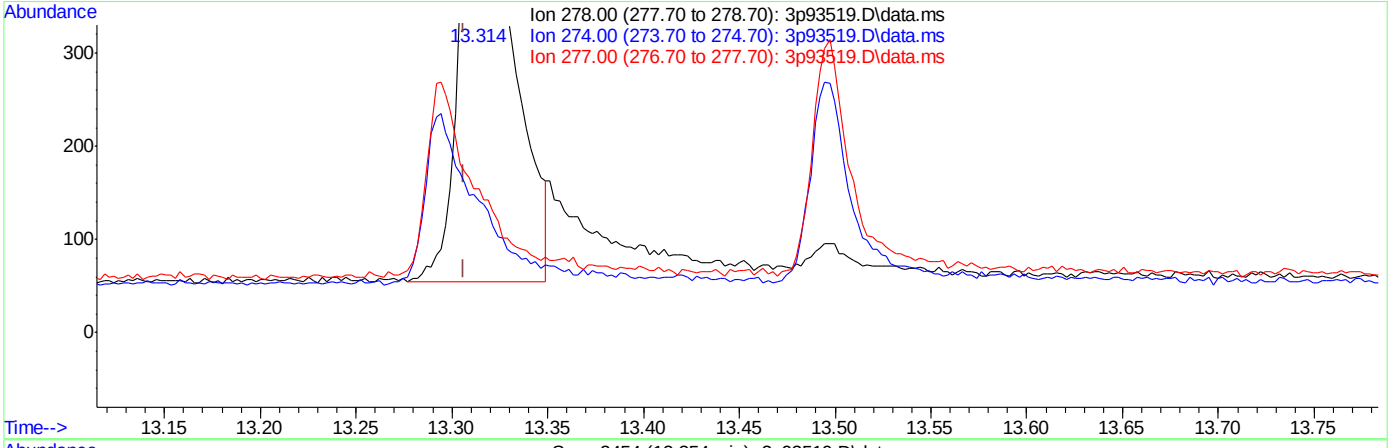
response 113

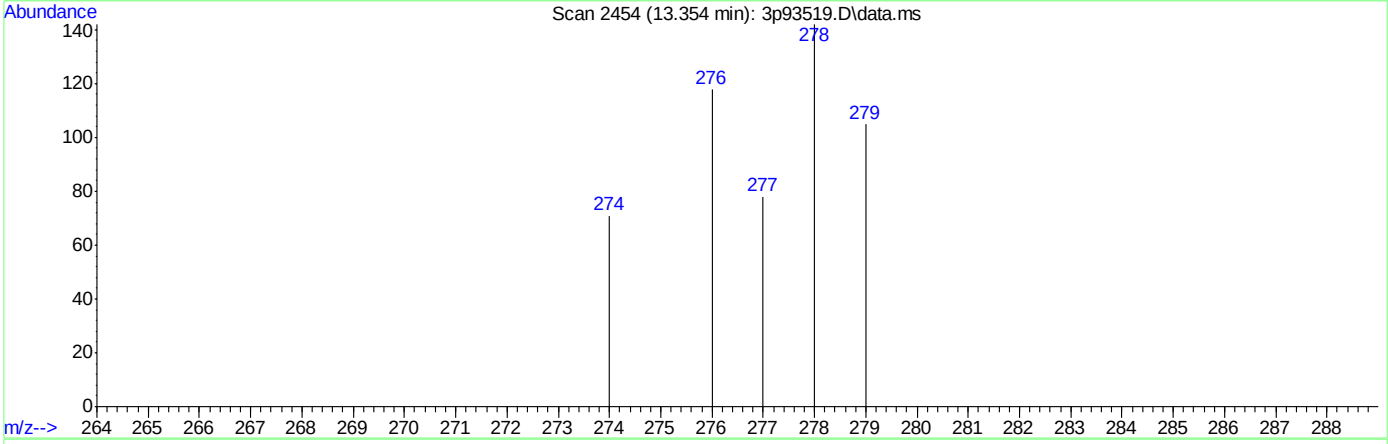
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	13.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93519.D\data.ms

(34) Dibenz[a,h]anthracene (t)

13.314min (+0.008) 16.29ppb

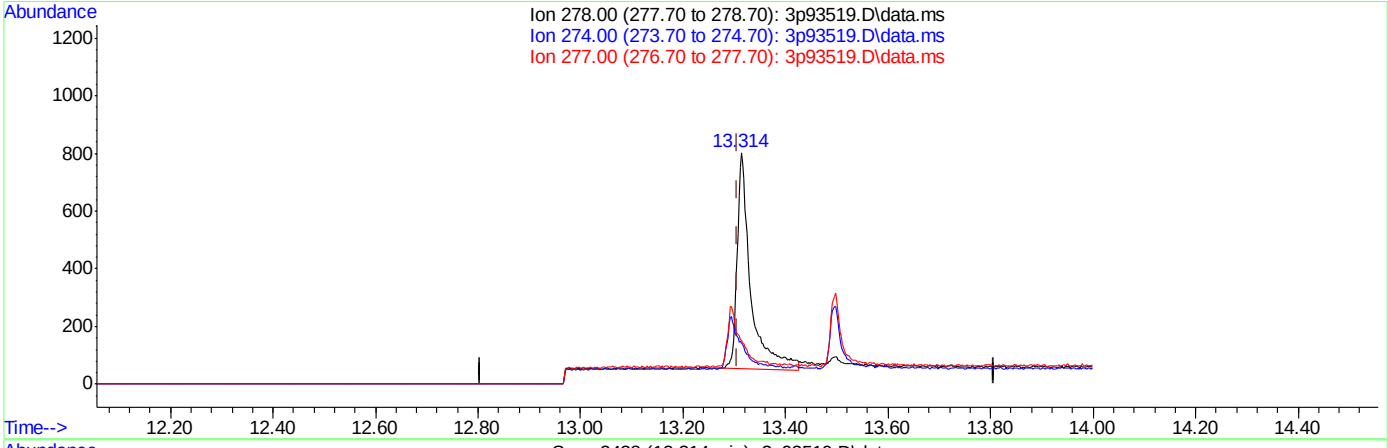
response 1137

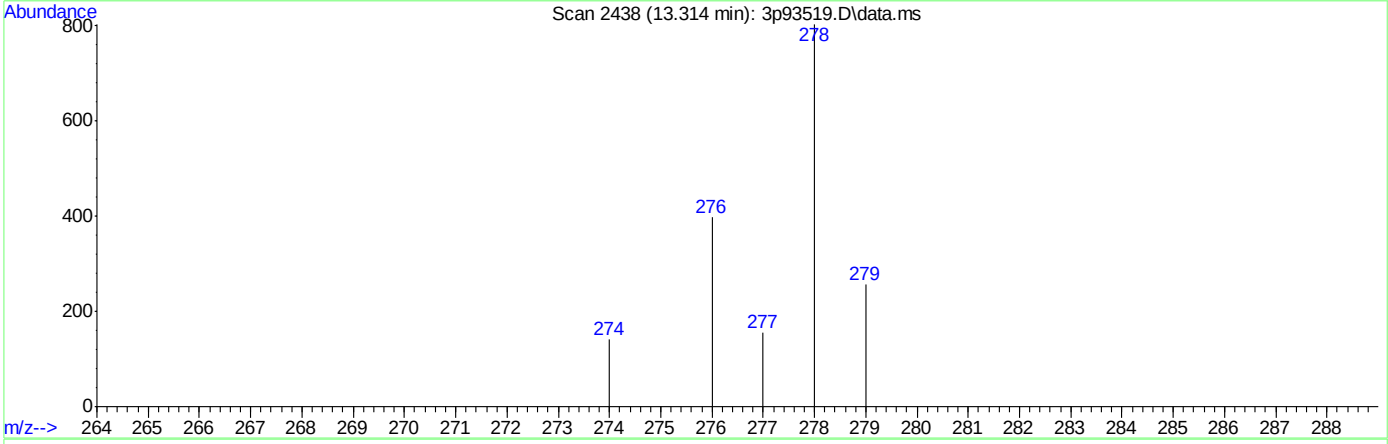
Ion	Exp%	Act%
278.00	100	100
274.00	9.20	10.73
277.00	9.70	11.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4410\
Data File : 3p93519.D
Acq On : 27 Jun 2021 4:23 pm
Operator : kristis
Sample : ic4410-.02
Misc : op33954a,e3p4410,1000,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 10:11:31 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 09:55:19 2021
Response via : Initial Calibration





TIC: 3p93519.D\data.ms

(34) Dibenz[a,h]anthracene (t)

13.314min (+0.008) 19.74ppb m

response 1378

Ion	Exp%	Act%
278.00	100	100
274.00	9.20	17.56
277.00	9.70	19.30
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/28/21 18:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93543.D
Acq On : 28 Jun 2021 12:48 pm
Operator : kristis
Sample : icv4410-0.2
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 13:24:13 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 13:21:59 2021
Response via : Initial Calibration

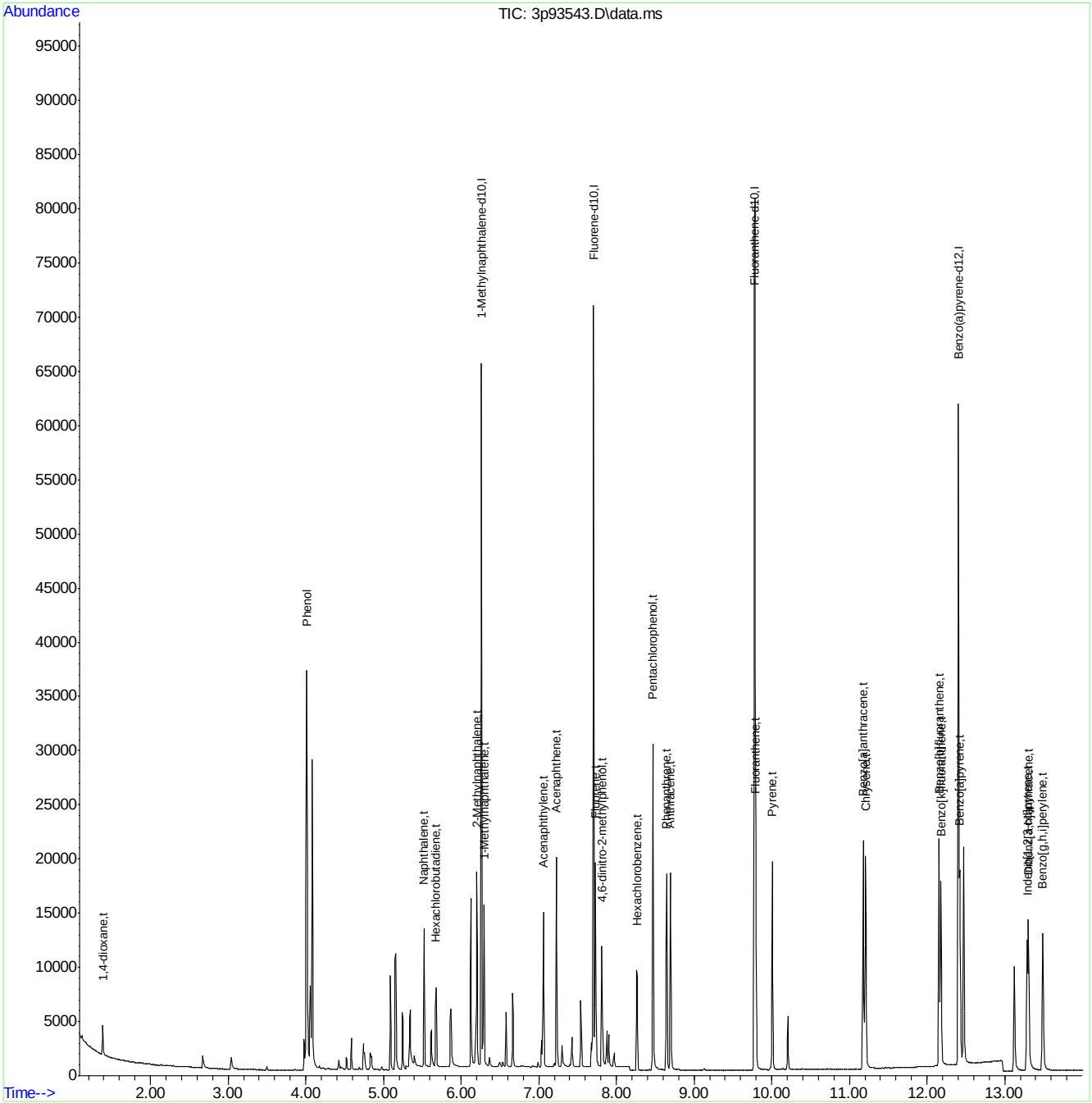
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.262	150	18361	800.00	ppb	0.00
12) Fluorene-d10	7.705	176	28436	800.00	ppb	0.00
19) Fluoranthene-d10	9.781	212	55066	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.403	264	37109	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
7) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.385	88	1210m	176.64	ppb	
5) Phenol	4.011	94	17777	880.20	ppb	# 86
8) Naphthalene	5.522	128	8905	157.03	ppb	98
9) Hexachlorobutadiene	5.678	225	2406	170.89	ppb	93
10) 2-Methylnaphthalene	6.201	141	5047	154.78	ppb	92
11) 1-Methylnaphthalene	6.296	141	4802	151.75	ppb	90
14) Acenaphthylene	7.058	152	8561	147.29	ppb	98
15) Acenaphthene	7.228	153	6085	150.11	ppb	93
16) 4,6-dinitro-2-methylph...	7.813	198	6144	923.24	ppb	83
17) Fluorene	7.732	166	7410	154.84	ppb	97
20) Hexachlorobenzene	8.263	284	3099	172.46	ppb	97
21) Pentachlorophenol	8.469	266	11042	1098.23	ppb	99
22) Phenanthrene	8.646	178	10989	148.46	ppb	99
23) Anthracene	8.696	178	10916	158.23	ppb	98
24) Fluoranthene	9.796	202	12737	144.75	ppb	99
25) Pyrene	10.009	202	13156	147.08	ppb	99
27) Benzo[a]anthracene	11.177	228	12184	174.85	ppb	99
28) Chrysene	11.211	228	12430	158.71	ppb	99
30) Benzo[b]fluoranthene	12.156	252	12418	181.23	ppb	97
31) Benzo[k]fluoranthene	12.177	252	10306	147.74	ppb	98
32) Benzo[a]pyrene	12.424	252	10640	153.22	ppb	98
33) Indeno[1,2,3-cd]pyrene	13.289	276	10802	142.68	ppb	99
34) Dibenz[a,h]anthracene	13.306	278	9303	148.43	ppb	99
35) Benzo[g,h,i]perylene	13.489	276	9717	143.51	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93543.D
Acq On : 28 Jun 2021 12:48 pm
Operator : kristis
Sample : icv4410-0.2
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 13:24:13 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 13:21:59 2021
Response via : Initial Calibration



Manual Integration Approval Summary

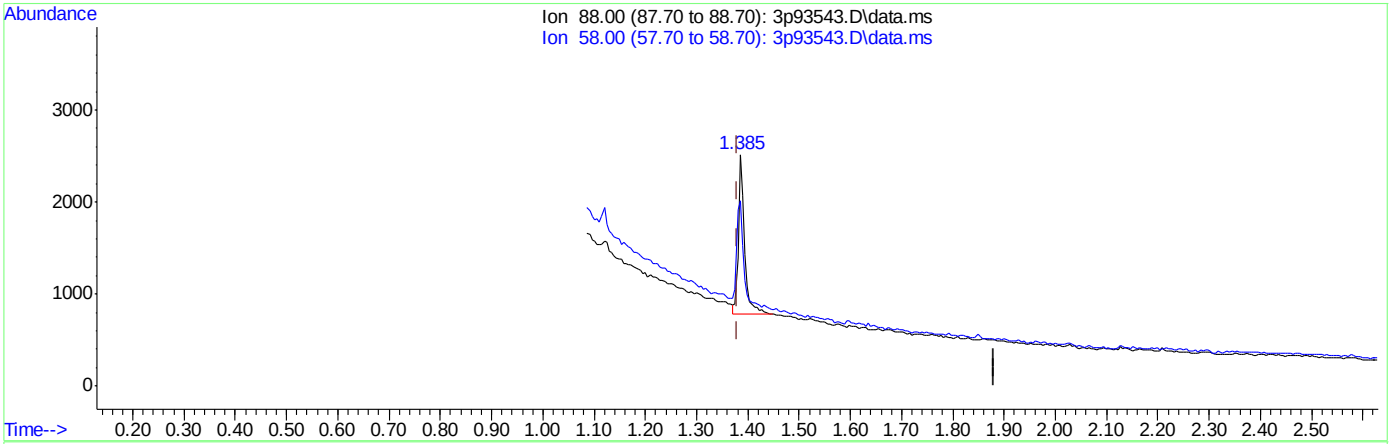
Sample Number:	E3P4411-ICV4410	**Method:**	SW846 8270E BY SIM
Lab FileID:	3P93543.D	**Analyst approved:**	06/28/21 15:50 Ying Li
Injection Time:	06/28/21 12:48	**Supervisor approved:**	06/28/21 18:19 Nina Pandya

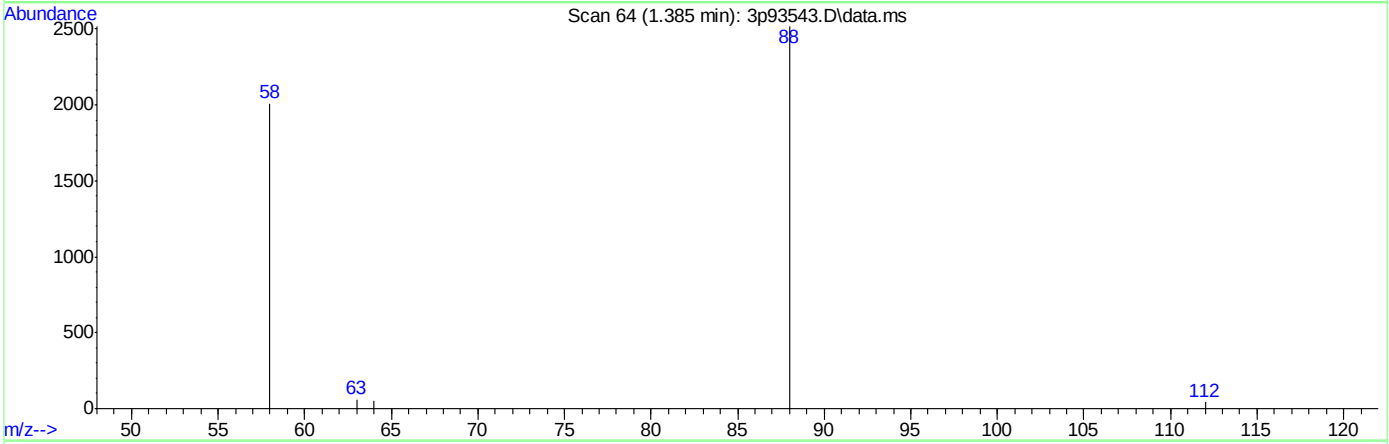
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.38	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93543.D
Acq On : 28 Jun 2021 12:48 pm
Operator : kristis
Sample : icv4410-0.2
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 13:22:32 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 13:21:59 2021
Response via : Initial Calibration





TIC: 3p93543.D\data.ms

(2) 1,4-dioxane (t)

1.385min (+0.005) 217.08ppb

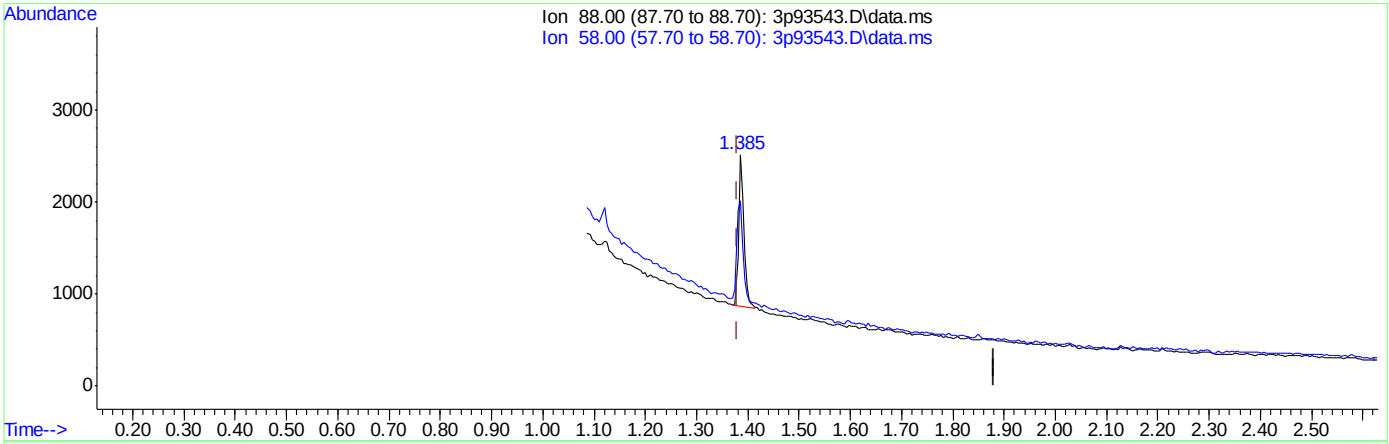
response 1487

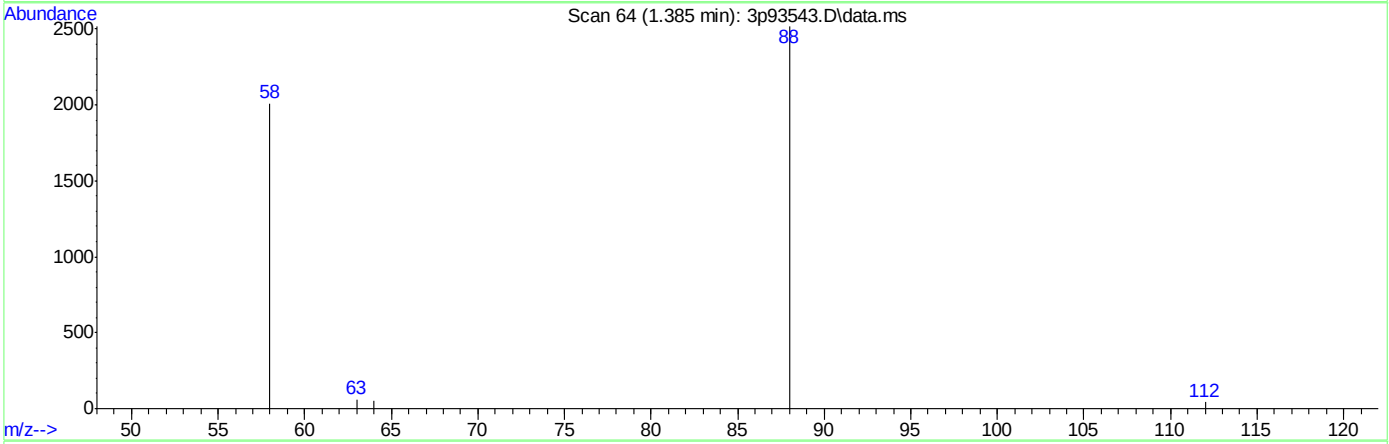
Ion	Exp%	Act%
88.00	100	100
58.00	52.60	66.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\E3P4411\
Data File : 3p93543.D
Acq On : 28 Jun 2021 12:48 pm
Operator : kristis
Sample : icv4410-0.2
Misc : op33672,e3p4411,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 13:23:17 2021
Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jun 28 13:21:59 2021
Response via : Initial Calibration





TIC: 3p93543.D\data.ms

(2) 1,4-dioxane (t)

1.385min (+0.005) 176.64ppb m

response 1210

Ion	Exp%	Act%
88.00	100	100
58.00	52.60	79.90#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/13/21 11:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93845.d
Acq On : 12 Jul 2021 9:20 pm
Operator : chriss2
Sample : cc4410-0.2 Inst : MSGC3P
Misc : op34187a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:02:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 12 04:23:43 2021
Response via : Initial Calibration

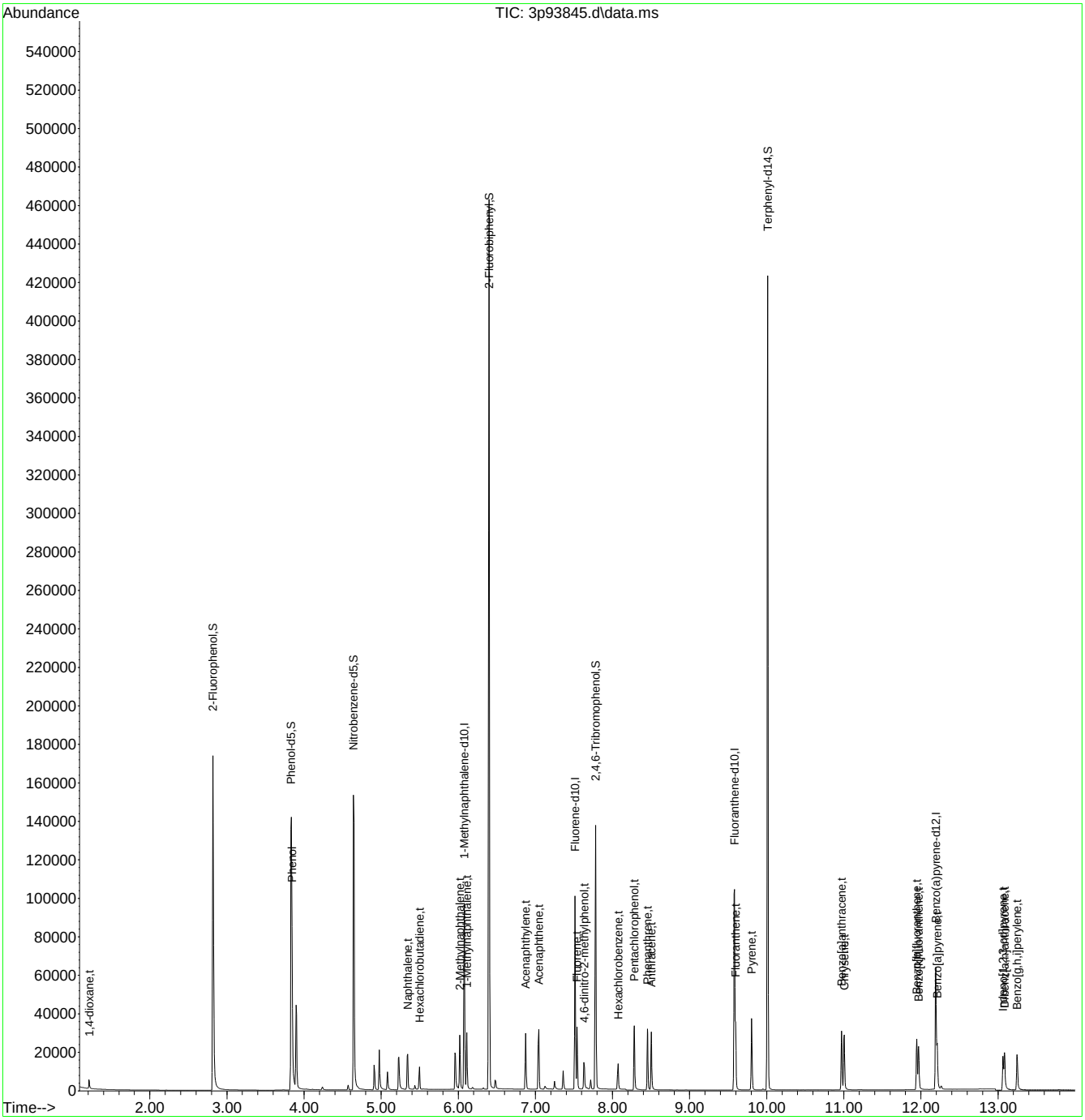
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.079	150	25740	800.00	ppb	-0.03
12) Fluorene-d10	7.514	176	40705	800.00	ppb	-0.02
19) Fluoranthene-d10	9.582	212	73343	800.00	ppb	-0.02
29) Benzo(a)pyrene-d12	12.193	264	41029	800.00	ppb	-0.03
System Monitoring Compounds						
3) 2-Fluorophenol	2.818	112	82423	4218.19	ppb	-0.08
Spiked Amount 50.000			Recovery	= 8436.38%		
4) Phenol-d5	3.830	99	113968	4296.50	ppb	-0.05
Spiked Amount 50.000			Recovery	= 8593.00%		
7) Nitrobenzene-d5	4.641	82	106231	4057.62	ppb	-0.04
Spiked Amount 50.000			Recovery	= 8115.24%		
13) 2-Fluorobiphenyl	6.401	172	219954	3862.17	ppb	-0.03
Spiked Amount 50.000			Recovery	= 7724.34%		
18) 2,4,6-Tribromophenol	7.782	330	44914	4316.72	ppb	-0.02
Spiked Amount 50.000			Recovery	= 8633.44%		
26) Terphenyl-d14	10.013	244	239137	3669.48	ppb	-0.02
Spiked Amount 50.000			Recovery	= 7338.96%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.215	88	1929m	200.88	ppb	
5) Phenol	3.843	94	30019	1060.25	ppb	96
8) Naphthalene	5.345	128	15337	192.92	ppb	99
9) Hexachlorobutadiene	5.498	225	3779	191.46	ppb	98
10) 2-Methylnaphthalene	6.018	141	8974	196.32	ppb	98
11) 1-Methylnaphthalene	6.110	141	8557	192.89	ppb	93
14) Acenaphthylene	6.875	152	16079	193.25	ppb	99
15) Acenaphthene	7.044	153	11411	196.66	ppb	99
16) 4,6-dinitro-2-methylph...	7.636	198	8521	896.92	ppb	90
17) Fluorene	7.539	166	12957	189.14	ppb	99
20) Hexachlorobenzene	8.073	284	4921	205.61	ppb	99
21) Pentachlorophenol	8.284	266	13023	972.48	ppb	99
22) Phenanthrene	8.452	178	19563	198.43	ppb	99
23) Anthracene	8.503	178	19419	211.34	ppb	99
24) Fluoranthene	9.597	202	22040	188.05	ppb	99
25) Pyrene	9.805	202	23104	193.93	ppb	98
27) Benzo[a]anthracene	10.971	228	18237	196.50	ppb	99
28) Chrysene	11.005	228	19039	182.52	ppb	98
30) Benzo[b]fluoranthene	11.946	252	16549	218.44	ppb	99
31) Benzo[k]fluoranthene	11.971	252	15599	202.25	ppb	98
32) Benzo[a]pyrene	12.210	252	15153	197.36	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.064	276	15606	186.44	ppb	99
34) Dibenz[a,h]anthracene	13.084	278	13036	188.12	ppb	99
35) Benzo[g,h,i]perylene	13.247	276	13705	183.08	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93845.d
Acq On : 12 Jul 2021 9:20 pm
Operator : chriss2
Sample : cc4410-0.2 Inst : MSGC3P
Misc : op34187a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:02:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 12 04:23:43 2021
Response via : Initial Calibration



Manual Integration Approval Summary

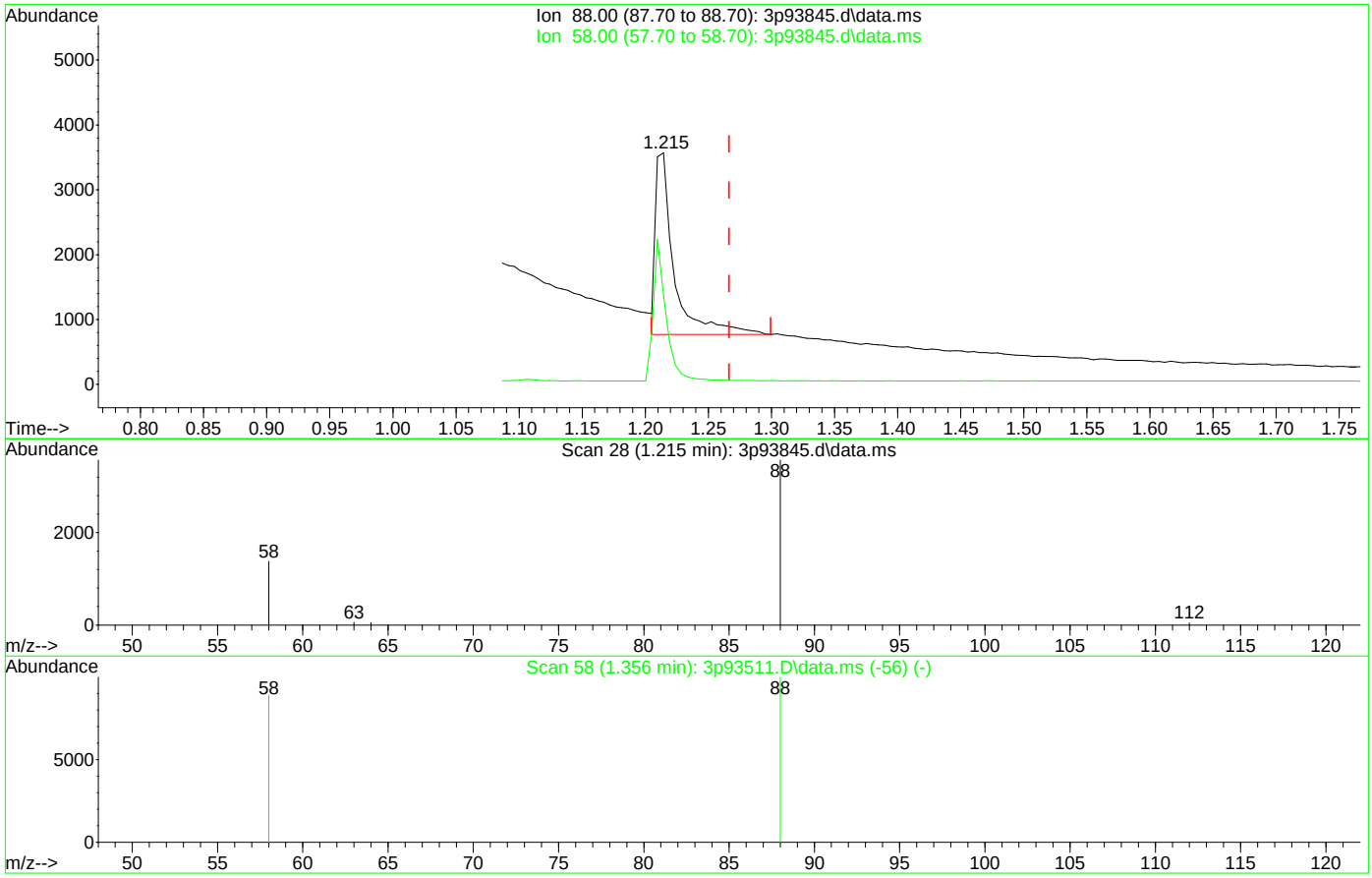
Sample Number: E3P4427-CC4410
Lab FileID: 3P93845.D
Injection Time: 07/12/21 21:20
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 02:05 Jeryll Fabriene Reyes
Supervisor approved: 07/13/21 11:03 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.21	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93845.d
Acq On : 12 Jul 2021 9:20 pm
Operator : chriss2
Sample : cc4410-0.2 Inst : MSGC3P
Misc : op34187a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:00:55 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 12 04:23:43 2021
Response via : Initial Calibration



TIC: 3p93845.d\data.ms

(2) 1,4-dioxane (t)

1.215min (-0.052) 296.68ppb

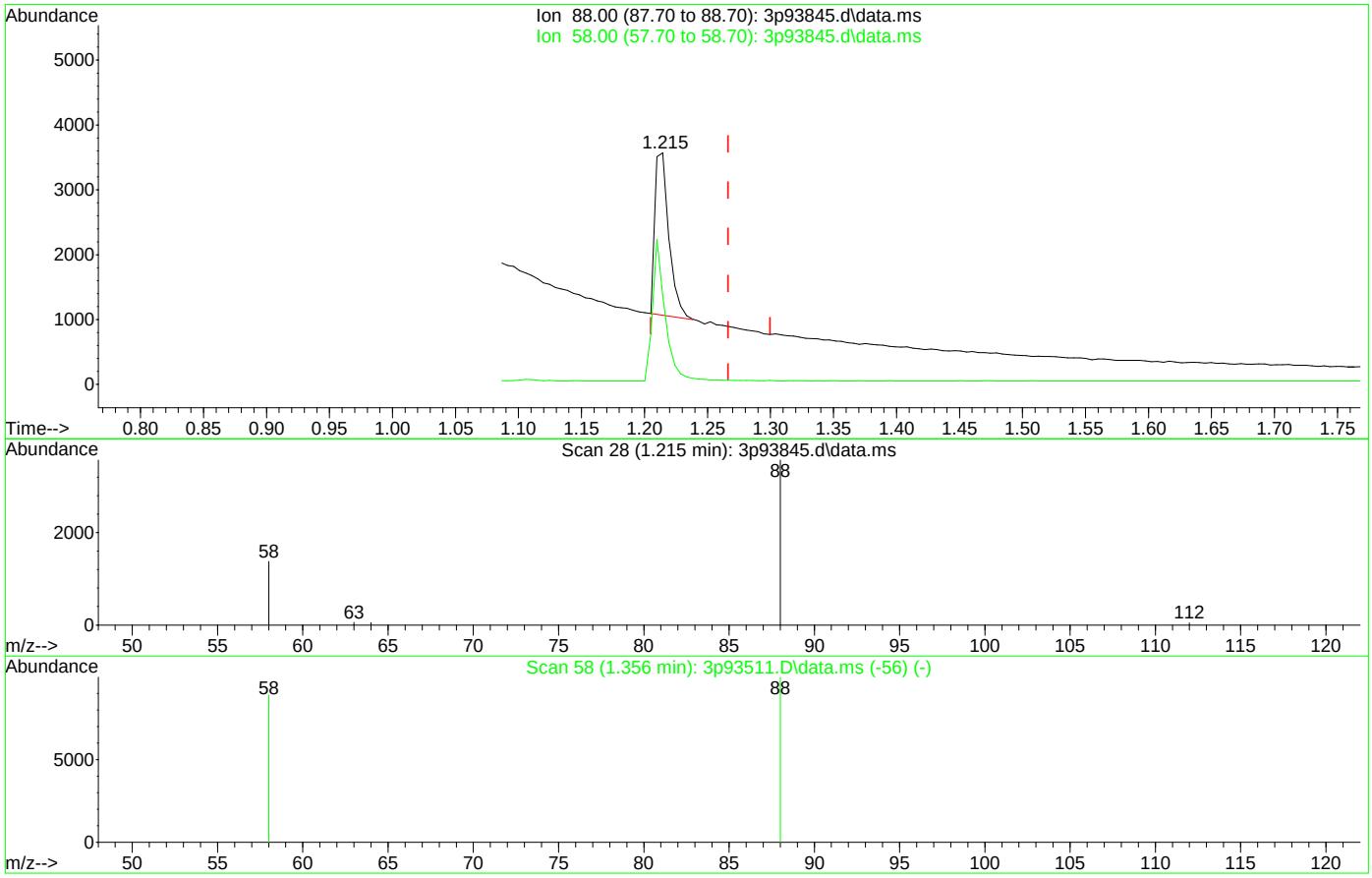
response 2849

Ion	Exp%	Act%
88.00	100	100
58.00	20.90	36.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93845.d
Acq On : 12 Jul 2021 9:20 pm
Operator : chriss2
Sample : cc4410-0.2 Inst : MSGC3P
Misc : op34187a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 02:00:55 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Mon Jul 12 04:23:43 2021
Response via : Initial Calibration



TIC: 3p93845.d\data.ms

(2) 1,4-dioxane (t)

1.215min (-0.052) 200.88ppb m

response 1929

Ion	Exp%	Act%
88.00	100	100
58.00	20.90	38.53
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/13/21 11:03

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:51:28 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration

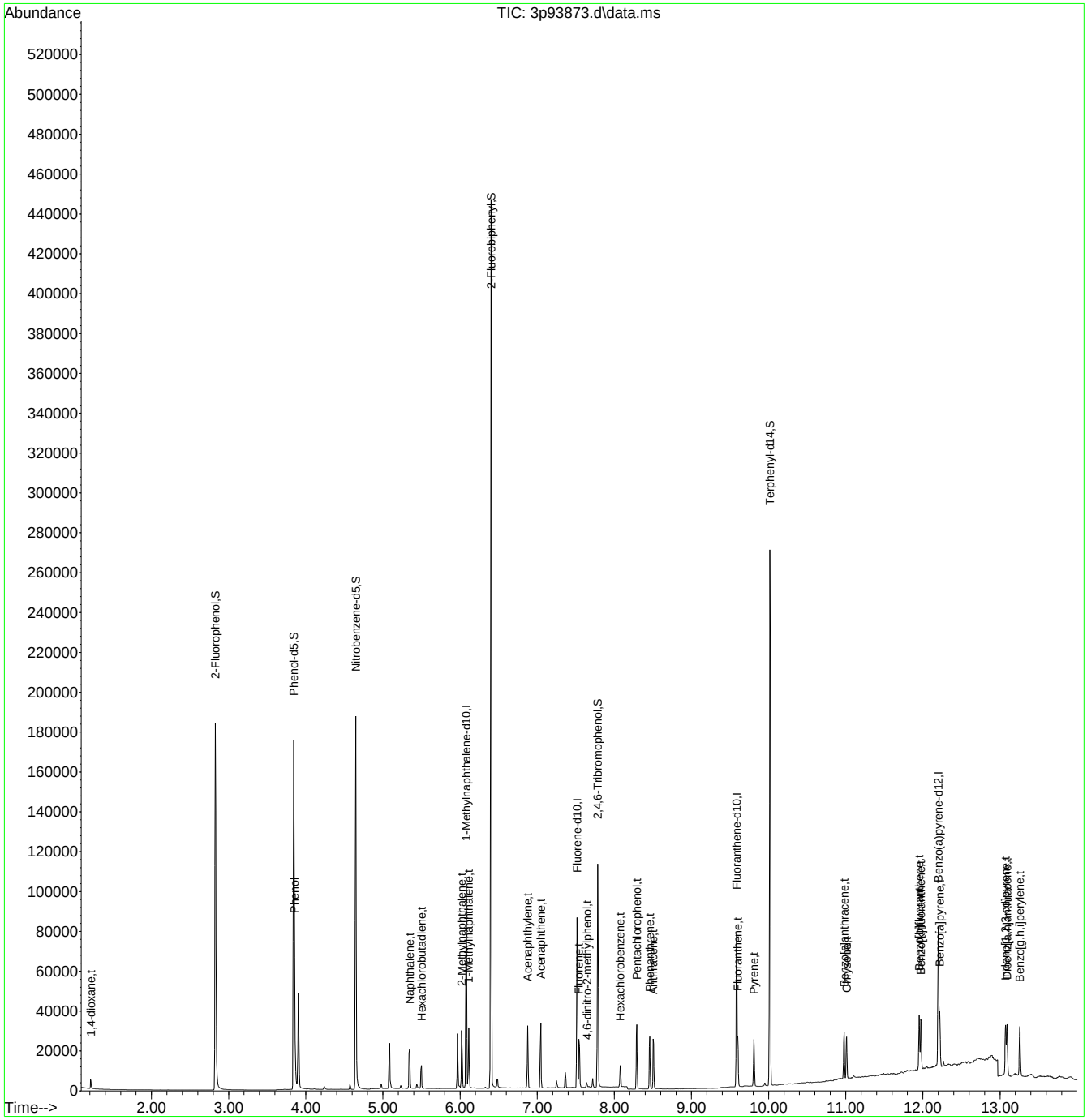
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.082	150	25071	800.00	ppb	0.00
12) Fluorene-d10	7.517	176	34727	800.00	ppb	0.00
19) Fluoranthene-d10	9.586	212	48228	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	12.200	264	42887	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	2.827	112	83283	4375.94	ppb	0.00
Spiked Amount 50.000			Recovery	= 8751.88%		
4) Phenol-d5	3.843	99	119476	4624.33	ppb	0.01
Spiked Amount 50.000			Recovery	= 9248.66%		
7) Nitrobenzene-d5	4.647	82	106957	4194.36	ppb	0.00
Spiked Amount 50.000			Recovery	= 8388.72%		
13) 2-Fluorobiphenyl	6.403	172	200881	4134.46	ppb	0.00
Spiked Amount 50.000			Recovery	= 8268.92%		
18) 2,4,6-Tribromophenol	7.784	330	37315	4203.75	ppb	0.00
Spiked Amount 50.000			Recovery	= 8407.50%		
26) Terphenyl-d14	10.016	244	161249	3762.83	ppb	0.00
Spiked Amount 50.000			Recovery	= 7525.66%		
Target Compounds						Qvalue
2) 1,4-dioxane	1.214	88	1837m	196.40	ppb	
5) Phenol	3.856	94	30681	1112.55	ppb	# 73
8) Naphthalene	5.347	128	15359	198.36	ppb	99
9) Hexachlorobutadiene	5.500	225	3933	204.58	ppb	98
10) 2-Methylnaphthalene	6.020	141	8931	200.59	ppb	99
11) 1-Methylnaphthalene	6.112	141	8621	199.52	ppb	98
14) Acenaphthylene	6.878	152	15805	222.66	ppb	99
15) Acenaphthene	7.047	153	10568	213.48	ppb	100
16) 4,6-dinitro-2-methylph...	7.646	198	1336	198.24	ppb	77
17) Fluorene	7.541	166	11475	196.34	ppb	97
20) Hexachlorobenzene	8.076	284	3758	238.79	ppb	95
21) Pentachlorophenol	8.291	266	11556	1312.31	ppb	99
22) Phenanthrene	8.459	178	15599	240.62	ppb	98
23) Anthracene	8.505	178	15568	257.66	ppb	100
24) Fluoranthene	9.600	202	14563	188.96	ppb	99
25) Pyrene	9.808	202	15037	191.94	ppb	99
27) Benzo[a]anthracene	10.978	228	14338m	234.94	ppb	
28) Chrysene	11.012	228	13644m	198.92	ppb	
30) Benzo[b]fluoranthene	11.952	252	17018	214.90	ppb	99
31) Benzo[k]fluoranthene	11.973	252	14370	178.24	ppb	99
32) Benzo[a]pyrene	12.217	252	15737	196.08	ppb	99
33) Indeno[1,2,3-cd]pyrene	13.072	276	19605	224.07	ppb	99
34) Dibenz[a,h]anthracene	13.092	278	15558m	214.78	ppb	
35) Benzo[g,h,i]perylene	13.257	276	16188	206.88	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:51:28 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration



Manual Integration Approval Summary

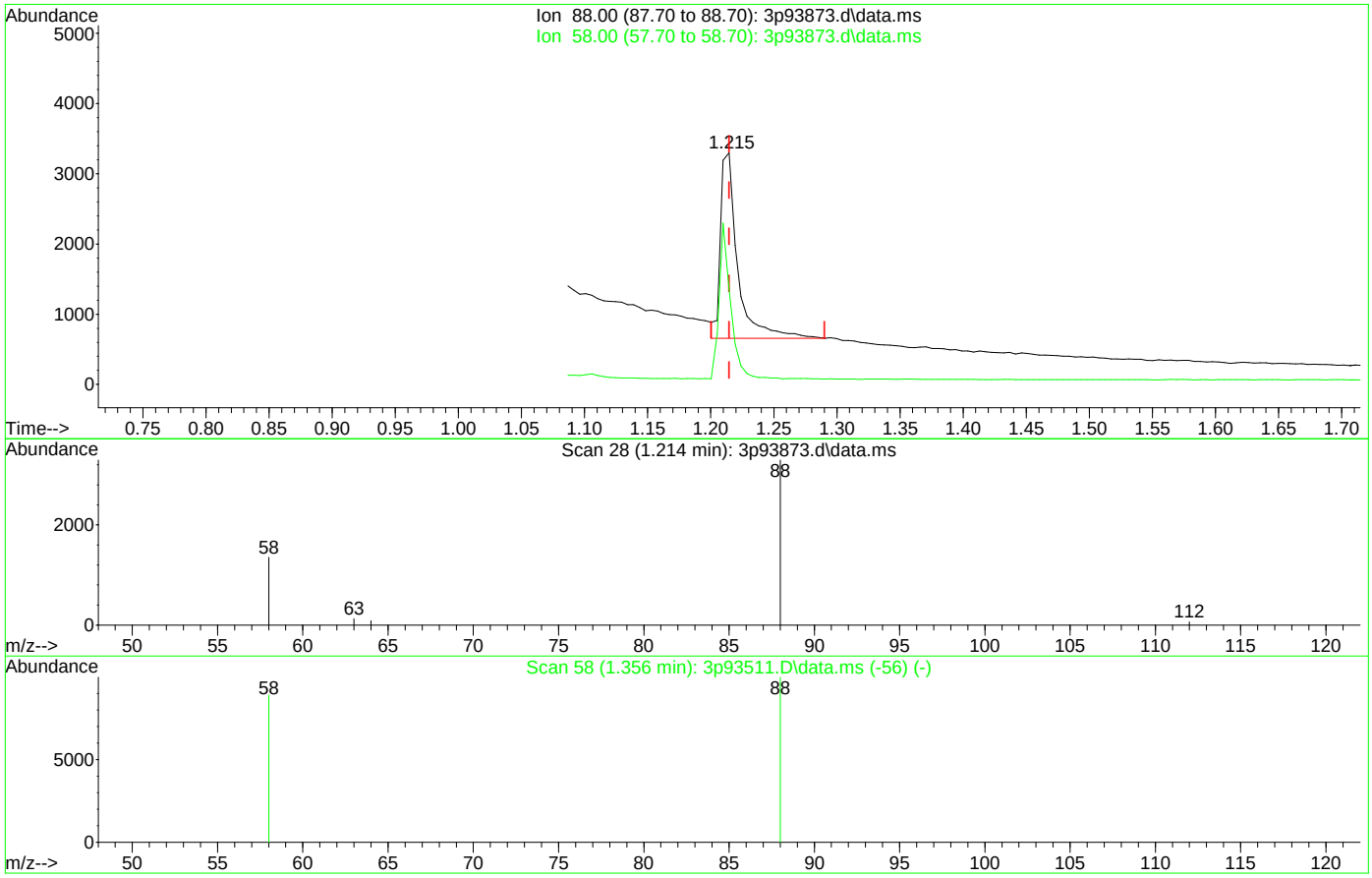
Sample Number: E3P4427-ECC4410
Lab FileID: 3P93873.D
Injection Time: 07/13/21 07:00
Method: SW846 8270E BY SIM
Analyst approved: 07/13/21 07:52 Jeryll Fabriene Reyes
Supervisor approved: 07/13/21 11:03 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.21	Poor instrument integration
Benzo(a)anthracene	56-55-3		10.98	Poor instrument integration
Chrysene	218-01-9		11.01	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		13.09	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:38:34 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration



TIC: 3p93873.d\data.ms

(2) 1,4-dioxane (t)

1.214min (-0.000) 265.26ppb

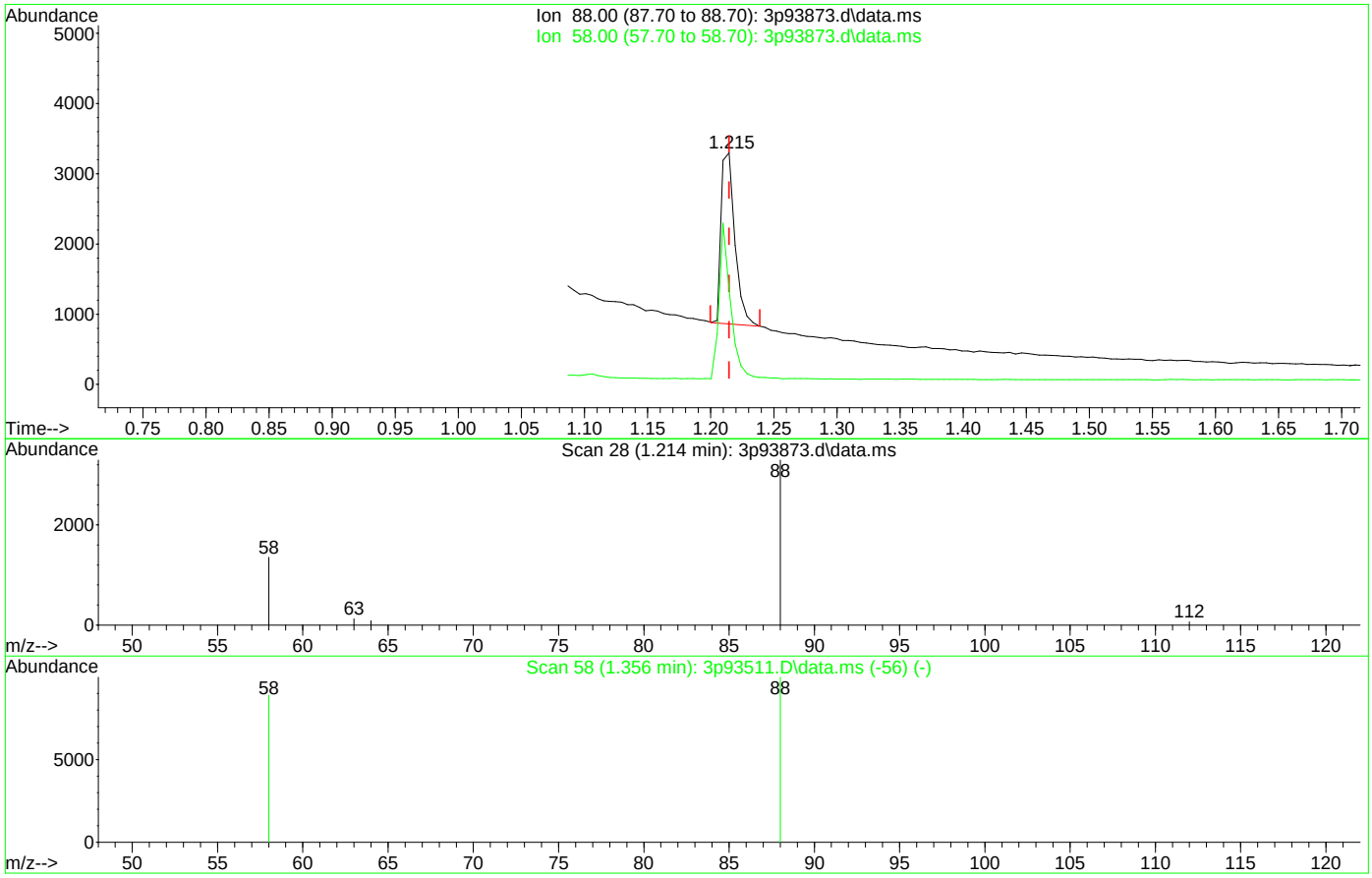
response 2481

Ion	Exp%	Act%
88.00	100	100
58.00	38.50	50.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:38:34 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration



TIC: 3p93873.d\data.ms

(2) 1,4-dioxane (t)

1.214min (-0.000) 196.40ppb m

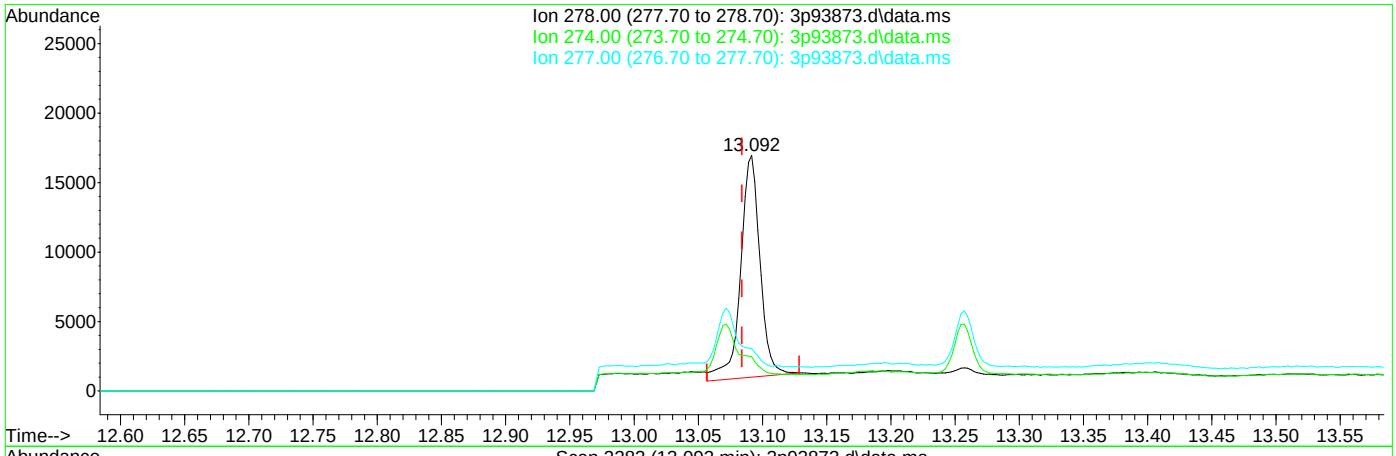
response 1837

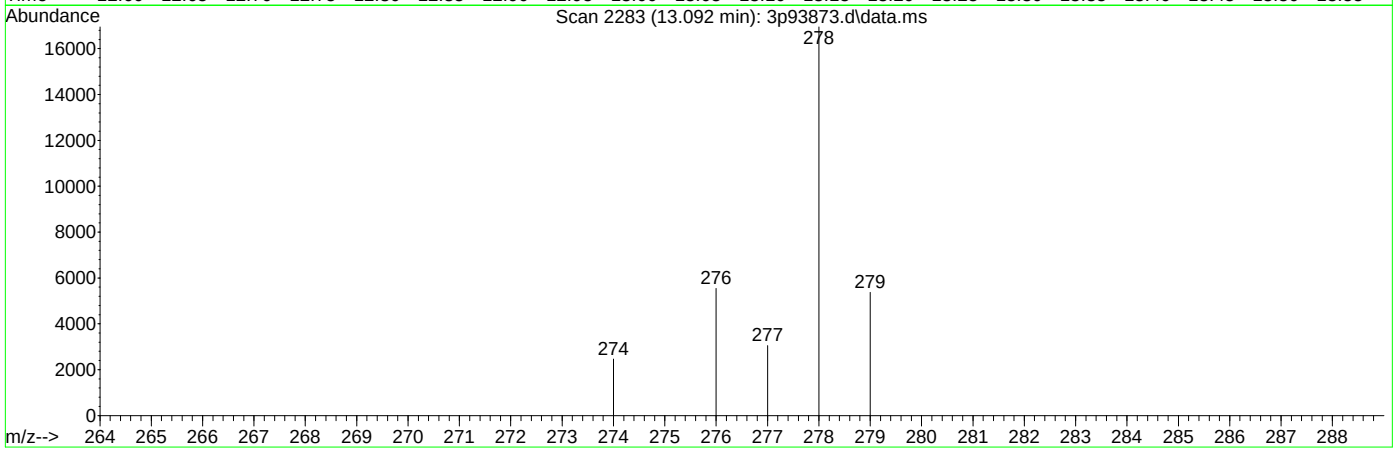
Ion	Exp%	Act%
88.00	100	100
58.00	38.50	40.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:49:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration





TIC: 3p93873.d\data.ms

(34) Dibenz[a,h]anthracene (t)

13.092min (+0.008) 232.45ppb

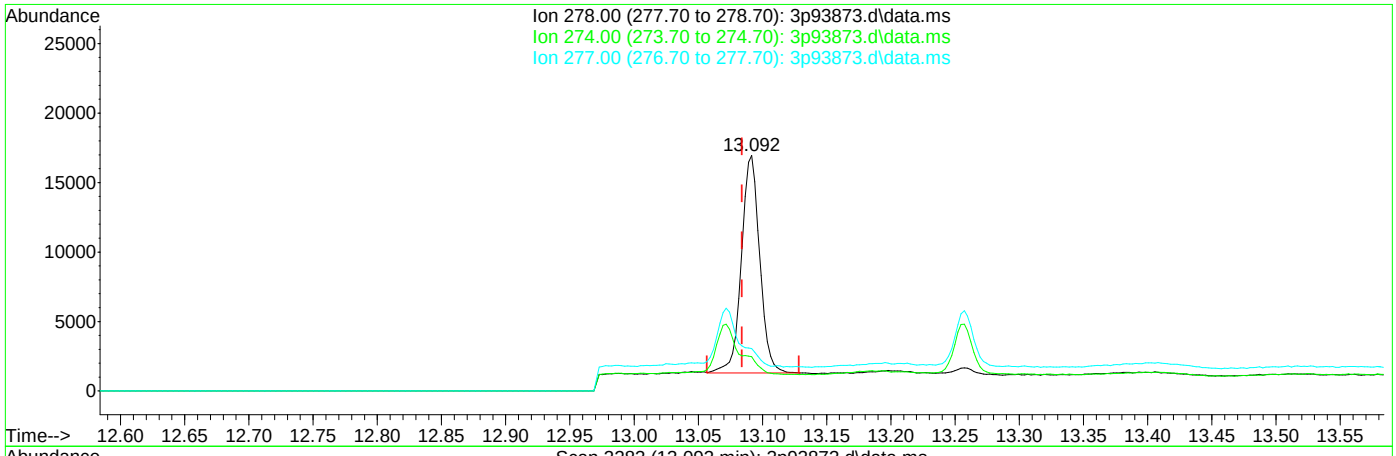
response 16838

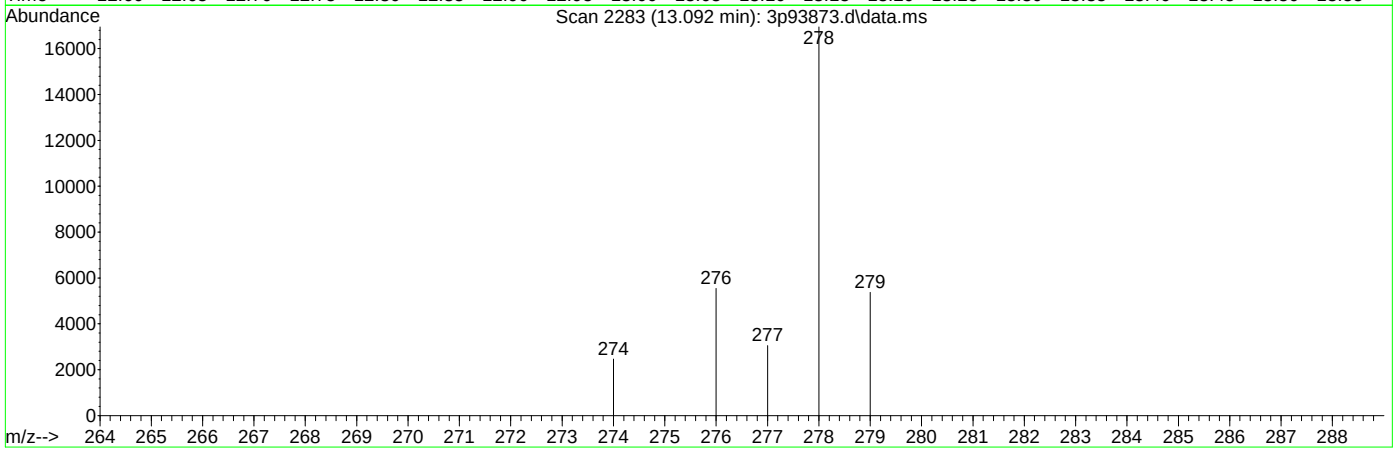
Ion	Exp%	Act%
278.00	100	100
274.00	9.10	7.06
277.00	9.30	7.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:49:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration





TIC: 3p93873.d\data.ms

(34) Dibenz[a,h]anthracene (t)

13.092min (+0.008) 214.78ppb m

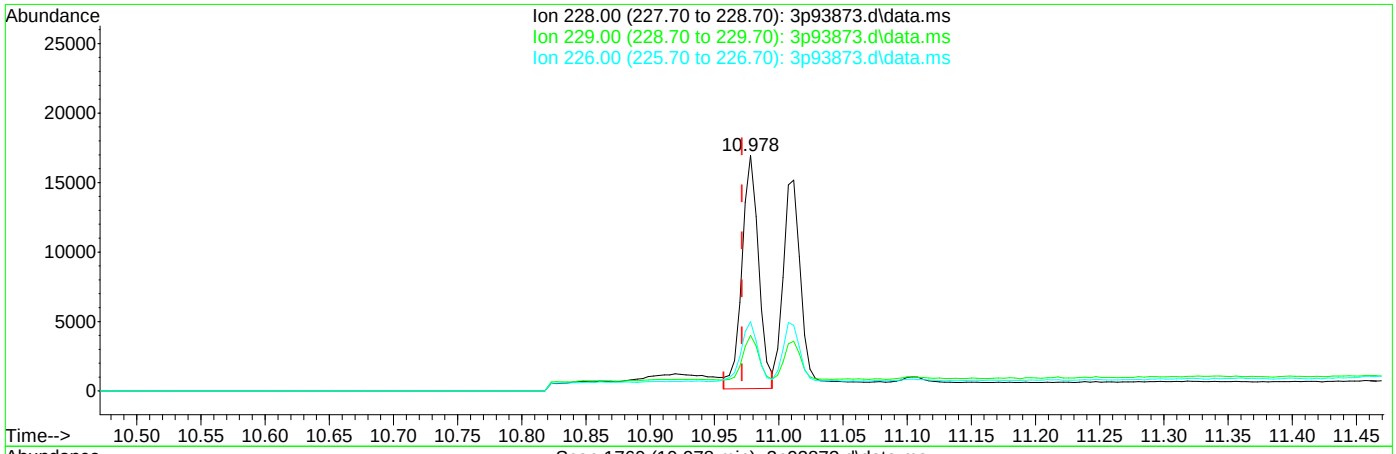
response 15558

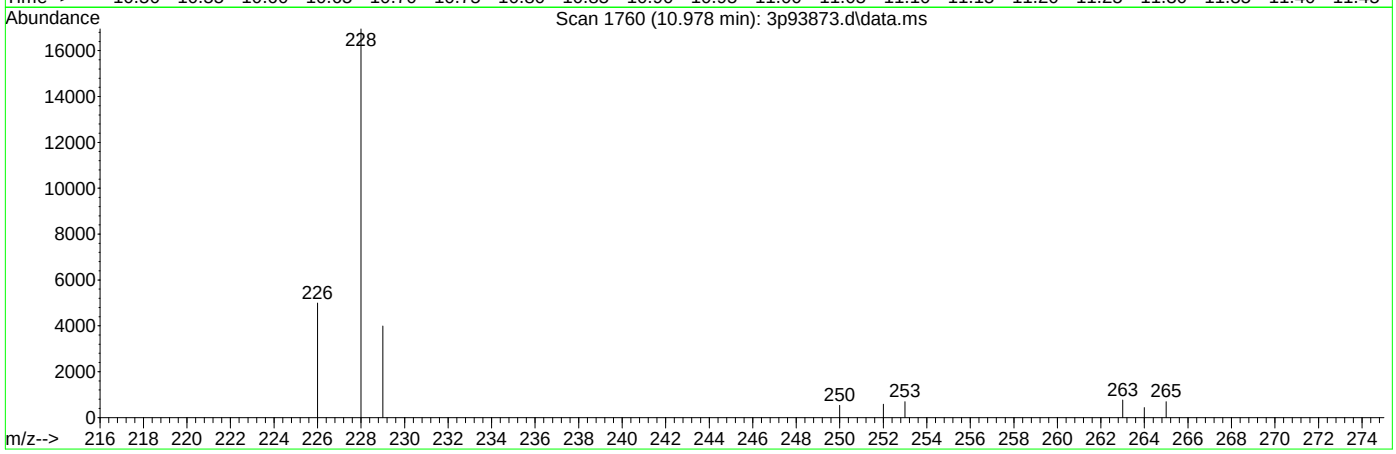
Ion	Exp%	Act%
278.00	100	100
274.00	9.10	14.55
277.00	9.30	17.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:49:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration





TIC: 3p93873.d\data.ms

(27) Benzo[a]anthracene (t)

10.978min (+0.007) 249.41ppb

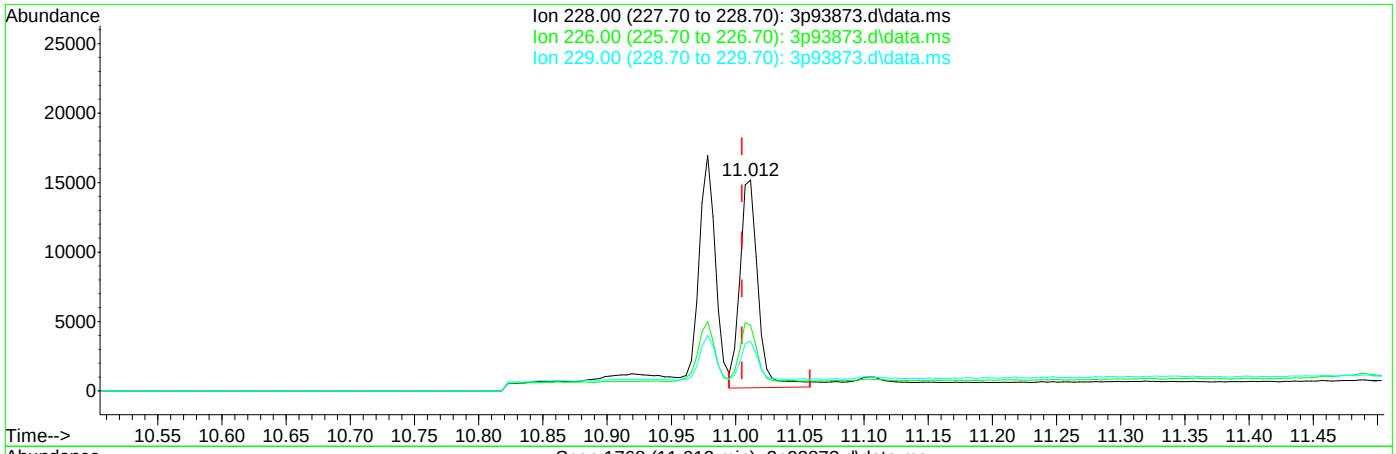
response 15221

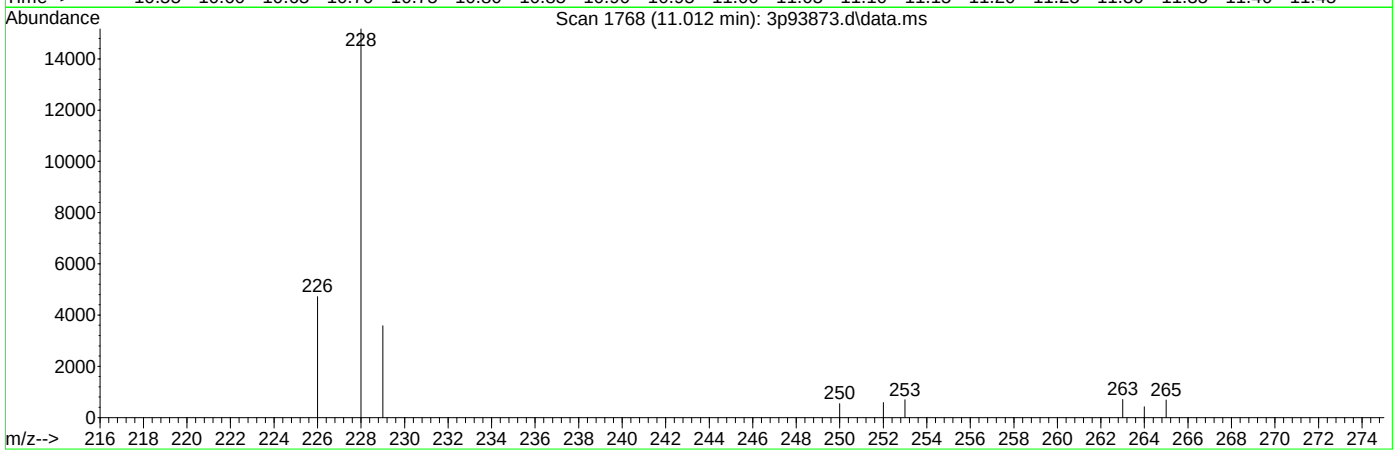
Ion	Exp%	Act%
228.00	100	100
229.00	19.50	20.03
226.00	26.20	26.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:49:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration





TIC: 3p93873.d\data.ms

(28) Chrysene (t)

11.012min (+0.007) 214.88ppb

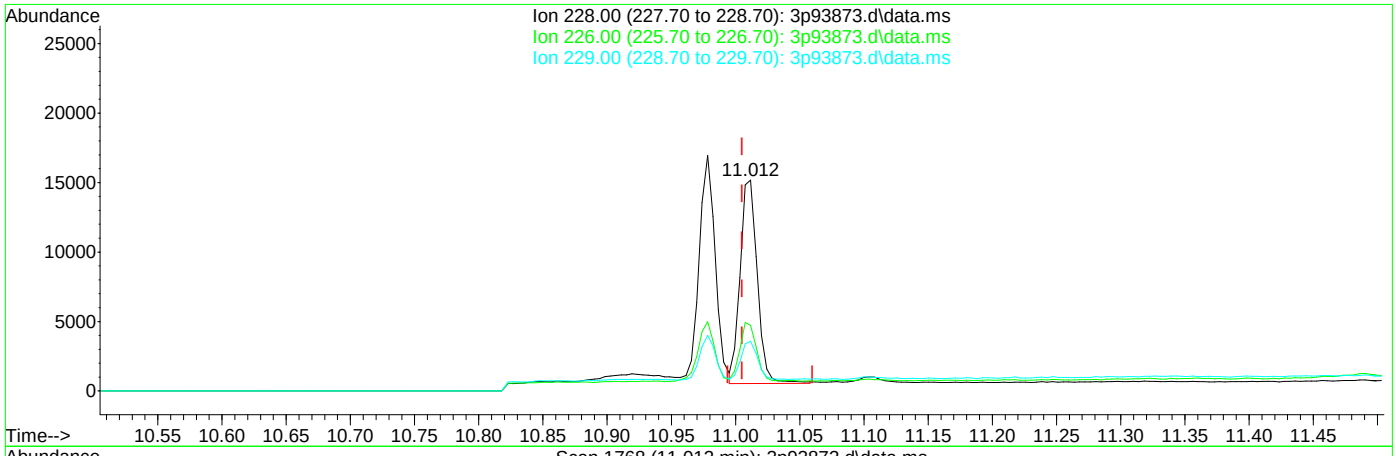
response 14739

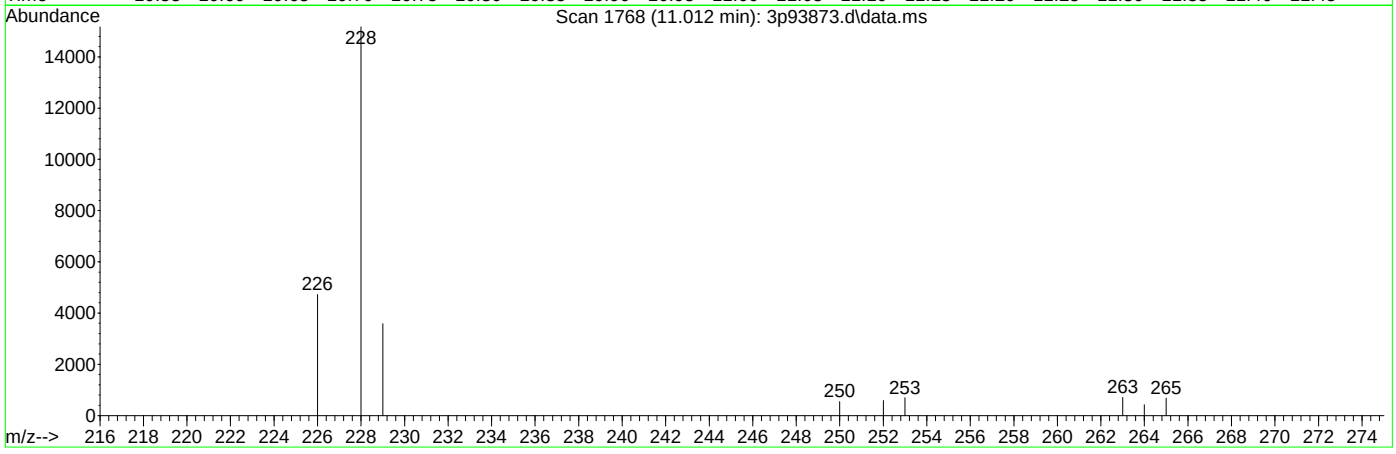
Ion	Exp%	Act%
228.00	100	100
226.00	28.30	27.72
229.00	19.70	19.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\jeryllr\e3p4427\
Data File : 3p93873.d
Acq On : 13 Jul 2021 7:00 am
Operator : chriss2
Sample : ecc4410-0.2 Inst : MSGC3P
Misc : op34258a,e3p4427,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\MSDCHEM\1\METHODS\M3P4410SIMLVI.M
Quant Results File: M3P4410SIMLVI.RES
Quant Time: Jul 13 07:49:03 2021
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Tue Jul 13 07:37:37 2021
Response via : Initial Calibration





TIC: 3p93873.d\data.ms

(28) Chrysene (t)

11.012min (+0.007) 198.92ppb m

response 13644

Ion	Exp%	Act%
228.00	100	100
226.00	28.30	31.14
229.00	19.70	23.61
0.00	0.00	0.00

GCMS Semi Volatile Run Log SGS - Dayton Instrument ID: GCMS3P

Standard / Reagent	Lot #	Concentration	Standard / Reagent	Lot #	Concentration
DFTPP	sv21-2811-20	50ppm	SIM ISTD	sv21-2811-6	400ppm
simlvi	sv21-2811-16a	1ppm	DCM/fisher	213452	---
simlvi	sv21-2811-16b	0.5ppm	simlvi	sv21-2811-16h	0.04ppm
simlvi	sv21-2811-16c	0.2ppm	simlv	sv21-2811-16i	0.002ppm
simlvi	sv21-2811-16d	0.1ppm	simlvi 2nd source	sv21-2811-17	0.2ppm
simlvi	sv21-2811-16e	0.04ppm			
simlvi	sv21-2811-16f	0.02ppm			
simlvi	sv21-2811-16g	0.01			

Run Batch:	E3P4410	**ACQ. Method:**	m3p4410simlvi	**Sequence Loaded By:**	kristis
Date:	6/27/2021	**Reference Method:**	8270e/8270d/625	**Data Processed By:**	ying li
Column:	rxi-5sil ms 30m x 0.25mm x 0.25um	**Quant Methods:**	M3P4387SIMLVI	**Approved By:**	
Injection Volume:	1.0ul	**Initial Calib Date:**	6/15/2021	**Approved Date**	

MP Missed Peak, **OP** Overlapping Peak **SP** Split Peak, **PDB** Poorly Defined Baselin **BR** Baseline Ripple **PII** Poor Instrument Integration

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93510	1	DFTPP									ok	12:50pm
3P	93511	2	ICC4410-0.2					pII				ok	
3P	93512	3	IC4410-1					pII				ok	
3P	93513	4	IC4410-0.002									ok	
3P	93514	5	IC4410-0.5					pII				ok	
3P	93515	6	IC4410-0.004									ok	
3P	93516	7	IC4410-0.1					pII				ok	
3P	93517	8	IC4410-0.01					pII				ok	

GCMS Semi Volatile Run Log

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93518	9	IC4410-0.04					pll				ok	
3P	93519	10	IC4410-0.02					pll				ok	
3P	93520	11	ICV4410-0.2									ng	rr recovery low
3P	93521	12	OP33954A-MB1	OP33954A	BLV8270SIMNJ	AQ						rr	icv fail
3P	93522	13	JD27189-7	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93523	14	OP33954A-BS12	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93524	15	OP33954A-BSD12	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93525	16	JD26673-2	OP33797A	ABLV8270SIMNJ	AQ						rr	
3P	93526	17	JD27189-1	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93527	18	JD27189-2	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93528	19	JD27189-3	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93529	20	JD27189-4	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93530	21	JD27189-5	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93531	22	JD27189-6	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93532	23	JD27024-5	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93533	24	JD27024-9	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93534	25	JD27024-11	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93535	26	JD27024-1	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93536	27	JD27024-3	OP33954A	BLV8270SIMNJ	AQ						rr	

GCMS Semi Volatile Run Log

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93537	28	JD27024-4	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93538	29	JD27024-2	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93539	30	JD27024-8	OP33954A	BLV8270SIMNJ	AQ						rr	
3P	93540	31	JD27024-6	OP33954A	BLV8270SIMNJ	AQ						rr	

GCMS Semi Volatile Run Log — SGS - Dayton — Instrument ID: GCMS3P

Standard / Reagent	Lot #	Concentration	Standard / Reagent	Lot #	Concentration
DFTPP	sv21-2811-20	50ppm	SIM ISTD	sv21-2811-6	400ppm
			DCM/fisher	213452	---
simlvi	sv21-2811-16c	0.2ppm			
			simlvi 2nd source	sv21-2811-17	0.2ppm

Run Batch:	E3P4411	**ACQ. Method:**	m3p4410simlvi	**Sequence Loaded By:**	kristis
Date:	6/28/2021	**Reference Method:**	8270e	**Data Processed By:**	ying li/
Column:	rxi-5sil ms 30m x 0.25mm x 0.25um	**Quant Methods:**	M3P4387SIMLVI	**Approved By:**	
Injection Volume:	1.0ul	**Initial Calib Date:**	6/15/2021	**Approved Date**	

MP Missed Peak, **OP** Overlapping Peak **SP** Split Peak, **PDB** Poorly Defined Baselin **BR** Baseline Ripple **PII** Poor Instrument Integration

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93541	1	DFTPP									not using	68 high reinject
3P	93542	1	DFTPP									ok	12:36pm
3P	93543	2	ICV4410-0.2					pII				ok	
3P	93544	3	CC4410-0.2					pII				ok	
3P	93545	4	OP33954A-MB1	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	w/ hits
3P	93546	5	JD27189-7	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	ok	mb hit
3P	93547	6	OP33954A-BS12	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93548	7	OP33954A-BSD12	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	ok	

GCMS Semi Volatile Run Log

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93549	8	JD26673-2	OP33797A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93550	9	JD26514-15	OP33745A	BLV8270SIMPAH	AQ		pii		y	y	ok	
3P	93551	10	JD27189-2	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93552	11	JD27189-3	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93553	12	JD27189-1	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93554	13	JD27189-4	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit. Report overcal from fullscan.
3P	93555	14	JD27189-5	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit. Report overcal from fullscan.
3P	93556	15	JD27189-6	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93557	16	JD27024-5	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93558	17	JD27024-9	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93559	18	JD27024-11	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	MB hit
3P	93560	19	JD27024-1	OP33954A	BLV8270SIMNJ	AQ		pii		y	y	rx	(18:39)
3P	93561	20	JD27024-3	OP33954A	BLV8270SIMNJ	AQ		pII		y	y	ok	MB hit
3P	93562	21	JD27024-4	OP33954A	BLV8270SIMNJ	AQ		pII		y	y	ok	MB hit
3P	93563	22	JD27024-2	OP33954A	BLV8270SIMNJ	AQ		pII		y	y	ok	MB hit
3P	93564	23	JD27024-8	OP33954A	BLV8270SIMNJ	AQ		pII		y	y	ok	MB hit
3P	93565	24	JD27024-6	OP33954A	BLV8270SIMNJ	AQ				-	-	ng	rr 5x matri too bad

GCMS Semi Volatile Run Log — SGS - Dayton — Instrument ID: GCMS3P

Standard / Reagent	Lot #	Concentration	Standard / Reagent	Lot #	Concentration
DFTPP	sv21-2811-20	50ppm	SIM ISTD	sv20-2751-127	80ppm
			DCM/fisher	213452	---
SIMLVI	sv20-2811-1c	0.2ppm			

Run Batch:	E3P4427	**ACQ. Method:**	M3P4410SIMLVI	**Sequence Loaded By:**	chriss2
Date:	7/12/2021	**Reference Method:**	8270E/625	**Data Processed By:**	jeryllr
Column:	rxi-5sil ms 30m x 0.25mm x 0.25um	**Quant Methods:**	M3P4410SIMLVI	**Approved By:**	ninap
Injection Volume:	1.0ul	**Initial Calib Date:**	6/27/2021	**Approved Date**	07/13/21

MP Missed Peak, **OP** Overlapping Peak **SP** Split Peak, **PDB** Poorly Defined Baselin **BR** Baseline Ripple **PII** Poor Instrument Integration

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93844	1	DFTPP									ok	9:09pm
3P	93845	2	CC4410-0.2					pii				ok	
3P	93846	3	OP34258A-MB1	OP34258A	ABLV8270SIMNJ	AQ		pii		y	y	ok	hit hexachlorobenzene
3P	93847	4	OP34187A-MB1	OP34187A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93848	5	JD27891-5	OP34258A	BLV8270SIMSL2	AQ				y	y	ok	
3P	93849	6	JD27891-6	OP34258A	BLV8270SIMSL2	AQ				y	y	ok	
3P	93850	7	JD27985-7	OP34258A	BLV8270SIMNJ	AQ		op		y	y	rx	mb hit
3P	93851	8	OP34187A-BS12	OP34187A	ABLV8270SIMNJ	AQ		pii		y	y	ok	

GCMS Semi Volatile Run Log

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93852	9	OP34187A-BSD12	OP34187A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93853	10	OP34258A-BS12	OP34258A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93854	11	OP34258A-MSA	OP34258A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93855	12	OP34258A-MSDA	OP34258A	ABLV8270SIMNJ	AQ		pii		y	y	ok	
3P	93856	13	JD27891-2	OP34258A	BLV8270SIMSL2	AQ		pii		y	y	ok	report 1,4-diox in full scan
3P	93857	14	OP34258A-MS2A	OP34258A	ABLV8270SIMNJ	AQ				y	y	ok	
3P	93858	15	OP34258A-MSD2A	OP34258A	ABLV8270SIMNJ	AQ				y	y	ok	
3P	93859	16	JD27982-1	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93860	17	JD27891-1	OP34258A	BLV8270SIMSL2	AQ		pii		y	y	ok	report 1,4-diox in full scan
3P	93861	18	JD27891-3	OP34258A	BLV8270SIMSL2	AQ		pii		y	y	ok	
3P	93862	19	JD27891-4	OP34258A	BLV8270SIMSL2	AQ		pii		y	y	ok	
3P	93863	20	JD27982-2	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93864	21	JD27982-3	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93865	22	JD27982-4	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93866	23	JD27982-5	OP34258A	BLV8270SIMPAH	AQ				y	y	ok	rx
3P	93867	24	JD27982-6	OP34258A	BLV8270SIMPAH	AQ				y	y	ok	rx
3P	93868	25	JD27982-7	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93869	26	JD27982-8	OP34258A	BLV8270SIMPAH	AQ		pii		y	y	ok	rx
3P	93870	27	JD27982-9	OP34258A	BLV8270SIMPAH	AQ				y	y	ok	rx

GCMS Semi Volatile Run Log

Data File		ALS	Sample ID	OP Batch ID	Test / Method	MTX	DF	Manually Integrated Peaks Rational Peak #	L+	Surr OK?	IS OK?	Run OK?	Comment
3P	93871	28	JD27904-4	OP34258A	ABLV8270SIMNJ	AQ		pii		y	y	rx	mb hit
3P	93872	29	JD27749-1	OP34187A	ABLV8270SIMNJ	AQ		pii		y	y	ok	report overcal in full scan
3P	93873	2	ECC4410-0.2					pii				ok	07:00am

LOGBOOK ID:

ABN Aqueous Extraction Logbook

Date Started: 7-2-2021 Time Started: 09:50
Date Finished: 7/12/21 Time Finished: 15:50

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ____ 3510C SIM √
Continuous Liquid Liquid: SW846 3520C/CLP/other ____

BATCH # MS OP34258	RACK# R46
Set-up by:	NIT, TGI, RK, UO, PAB
Extracted by:	NIT, TGI, RK, UO, PAB, AK
Concentrated by:	NIT, TGI, RK, UO, PAB
Final Vol. Top-up:	
Vialed by:	EW
Supervisor Review:	7/12/21

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	5,6	72.5/72	/	/	OK
Waterbath Chiller (GPM)	F2,V1	10.1/10.1	/	/	OK
NEVAP (32-38°C, LPM)	3	35	/	/	OK

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	212605078	50	0-2
ABN DOD SIM			
WITNESS SIGN: RK		SPIKE SIGN: NIT	

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM)
~~Base #1~~ MIX1	212603076	50	0-2
~~Base #2~~ MIX2	212603077	50	0-2
Anilines			
BSIM	212603042	42	0-2
WITNESS SIGN: RK		SPIKE SIGN: NIT	

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	210205	FISHER	6x15

REAGENT	LOT #	BATCH #	BRAND
NaOH	200344		FISHER
H2SO4	211209		FISHER
Sodium Sulfate	200607	5-9-21	FISHER
Glass Wool	MG1918317		ACROS
Filter Paper			
pH strips	205120		HYDRION

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN. SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:
JD27982-1
JD27891-2

Final Volume:

Other:

	Sample #	LVI Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH Acid Extract	Final pH BN/ABN Extract	Final Extract Color	Final Extract Vol(mL)	Misc. GPC Cleanup	Misc. Comments
	MB1	ABN		DI H2O	250	<2	>11	clear	1.0		
	BS1			DI H2O	250	<2	>11	yellow	1.0		
	JD27891-2 MS		2	Clear	250	<2	>11	yellow	1.0		
	MSD		3	Clear	250	<2	>11	yellow	1.0		
	BSD			DI H2O	250	<2	>11	yellow	1.0		
	JD27891-2 MS2A	SIM	4	Clear	250	<2	>11	clear	1.0		
	MSD2A		6	Clear	250	<2	>11	clear	1.0		
	BS			~~250~~	~~<2~~	~~>11~~					
	JD27982-1 MSA		2	Clear	250	<2	>11	clear	1.0		
	MSD A		4	Clear	250	<2	>11	clear	1.0		
1	JD27982-1	ABN	3	Clear	250	<2	>11	clear	1.0		
2	-2		2	l.yellow	250	<2	>11	clear	1.0	K	
3	-3		1	Clear	250	<2	>11	clear	1.0		
4	-4		2	Clear	250	<2	>11	clear	1.0		
5	-5		1	l.yellow	250	<2	>11	clear	1.0		
6	-6		2	Clear	250	<2	>11	clear	1.0		
7	-7		2	clear	250	<2	>11	clear	1.0		
8	-8		2	l.yellow	250	<2	>11	l.yellow	1.0		
9	-9		2	Clear	250	<2	>11	clear	1.0		
10	JD27985-7		3	Clear	250	<2	>11	clear	1.0		
11	JD27904-4		2	Brown	300	<2	>11	clear	1.0	*K	
12	JD27891-1		1	Clear	250	<2	>11	clear	1.0		
13	-2		1	Clear	250	<2	>11	clear	1.0		
14	-3		1	l.yellow	250	<2	>11	clear	1.0	X	
15	-4		2	Clear	250	<2	>11	clear	1.0	X	
16	-5		1	Clear	250	<2	>11	clear	1.0		
17	-6		2	Clear	250	<2	>11	clear	1.0		
18	BS12	SIM		DI H2O	250	<2	>11	clear	1.0		
19	BSD12			DI H2O	250	<2	>11	clear	1.0		
20											

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:
xSegment in bottle • emulsion

SGS
Form: OP022A-13
Rev Date: 8/23/19

27

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

ERM, Inc.

Johnson & Hoffman, Carle Place, NY

0607141

SGS Job Number: JD30689

Sampling Date: 08/27/21

Report to:

ERM, Inc.
105 Maxess Road Suite 316
Melville, NY 11747-3851
brice.lynch@ERM.com

ATTN: Brice Lynch

Total number of pages in report: **682**

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

Mike Earp
General Manager

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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SGS North America Inc.

Sample Summary

ERM, Inc.

Job No: JD30689

Johnson & Hoffman, Carle Place, NY
Project No: 0607141

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD30689-1	08/27/21	10:30	BWL	08/27/21	AQ	Ground Water	MW-06S
JD30689-2	08/27/21	00:00	BWL	08/27/21	AQ	Ground Water	DUP082721
JD30689-3	08/27/21	10:35	BWL	08/27/21	AQ	Trip Blank Water	TB082721
JD30689-4	08/27/21	10:35	BWL	08/27/21	AQ	Field Blank Water	FB082721

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	ERM, Inc.	**Job No**	JD30689
Site:	Johnson & Hoffman, Carle Place, NY	**Report Date**	9/1/2021 11:35:52 AM

On 08/27/2021, 2 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.5 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD30689 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.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2B8421

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD30727-2DUP, JD30727-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- V2B8421-BS for 1,4-Dioxane: Outside control limits. This compound is not reported in associated samples.
- JD30689-1 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD30689-1 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low.
- JD30689-2 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD30689-2 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low.
- JD30689-3 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD30689-3 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low.
- JD30689-4 for 1,4-Dioxane: Associated CCV outside of control limits high, sample was ND.
- JD30689-4 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the 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.

SGS North America Inc. 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 SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD30689
Account: ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Collected: 08/27/21

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD30689-1	**MW-06S**					
Tetrachloroethene		86.1	1.0	0.90	ug/l	SW846 8260D
JD30689-2	**DUP082721**					
Tetrachloroethene		87.5	1.0	0.90	ug/l	SW846 8260D
JD30689-3	**TB082721**					
No hits reported in this sample.						
JD30689-4	**FB082721**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-06S		
Lab Sample ID:	JD30689-1	**Date Sampled:**	08/27/21
Matrix:	AQ - Ground Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B185545.D	1	08/31/21 17:26	TDN	n/a	n/a	V2B8421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	MW-06S		
Lab Sample ID:	JD30689-1	**Date Sampled:**	08/27/21
Matrix:	AQ - Ground Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	86.1	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		85-118%
17060-07-0	1,2-Dichloroethane-D4	90%		80-121%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP082721		
Lab Sample ID:	JD30689-2	**Date Sampled:**	08/27/21
Matrix:	AQ - Ground Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B185546.D	1	08/31/21 17:55	TDN	n/a	n/a	V2B8421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	DUP082721		
Lab Sample ID:	JD30689-2	**Date Sampled:**	08/27/21
Matrix:	AQ - Ground Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	87.5	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		85-118%
17060-07-0	1,2-Dichloroethane-D4	89%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	TB082721		
Lab Sample ID:	JD30689-3	**Date Sampled:**	08/27/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B185547.D	1	08/31/21 18:25	TDN	n/a	n/a	V2B8421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	TB082721		
Lab Sample ID:	JD30689-3	**Date Sampled:**	08/27/21
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		85-118%
17060-07-0	1,2-Dichloroethane-D4	89%		80-121%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

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

SGS North America Inc.

Report of Analysis

Client Sample ID:	FB082721		
Lab Sample ID:	JD30689-4	**Date Sampled:**	08/27/21
Matrix:	AQ - Field Blank Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B185548.D	1	08/31/21 18:54	TDN	n/a	n/a	V2B8421
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane [b]	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	

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

Report of Analysis

Client Sample ID:	FB082721		
Lab Sample ID:	JD30689-4	**Date Sampled:**	08/27/21
Matrix:	AQ - Field Blank Water	**Date Received:**	08/27/21
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Johnson & Hoffman, Carle Place, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		85-118%
17060-07-0	1,2-Dichloroethane-D4	88%		80-121%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

(a) Associated CCV outside of control limits low.
(b) Associated CCV outside of control limits high, sample was ND.

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

GW
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: TM-082521-150
SGS Quote #:
SGS Job #: JD 30689

Client / Reporting Information

Company Name: ERM
Street Address: 105 Maxess Rd Ste 316
City: Melville State: NY Zip: 11747
Project Contact: Brice.Lynch@erm.com E-mail:
Phone #: 631-756-8944
Sampler(s) Name(s): Brice Lynch Phone #: 5169012515

Project Information

Project Name: Johnson v Hoffman
Street: 46 Voice Rd
City: Carle Place State: NY
Project #: 0800714
Client Purchase Order #:
Project Manager: Brice Lynch

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

V8260D TCL 11

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Preserved Bottles HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-06S		8/27/21	10:30	BWL	G		GW	3	3								✓	
2	DUP082721		"	00:00	"	"		"	3	3								"	V182
3	TB082721		"	10:15	"	"		"	2	2									"	
4	FB082721		"	10:35	"	"		"	2	2									"	

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days — KG 2A
- [ ] 5 Business Days
- [x] 3 Business Days* — KG
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria_____
- [ ] CT RCP Criteria_____
- [ ] State Forms
- [ ] EDD Format _____
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished by:	Date / Time:	Received By:
1	Brice Lynch	8/27/21 13:15		2	17:08	8/27/21
3				4		
5						

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent

Therm ID: On Ice Cooler Temp. °C

See Sample Receipt Summary ☐

5.1 5

SGS Sample Receipt Summary

Job Number: JD30689 **Client:** ERM, INC. **Project:** JOHNSON & HOFFMAN, CARLE PLACE, NY

Date / Time Received: 8/27/2021 5:08:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.5);

Cooler Temps (Corrected) °C: Cooler 1: (2.5);

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:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

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:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 212820 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD30689: Chain of Custody
Page 2 of 2

Internal Sample Tracking Chronicle

ERM, Inc.

Job No: JD30689

Johnson & Hoffman, Carle Place, NY
Project No: 0607141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD30689-1 MW-06S	Collected: 27-AUG-21 10:30 By: BWL			Received: 27-AUG-21	By: KG	
JD30689-1	SW846 8260D	31-AUG-21 17:26	TDN			V8260TCL11
JD30689-2 DUP082721	Collected: 27-AUG-21 00:00 By: BWL			Received: 27-AUG-21	By: KG	
JD30689-2	SW846 8260D	31-AUG-21 17:55	TDN			V8260TCL11
JD30689-3 TB082721	Collected: 27-AUG-21 10:35 By: BWL			Received: 27-AUG-21	By: KG	
JD30689-3	SW846 8260D	31-AUG-21 18:25	TDN			V8260TCL11
JD30689-4 FB082721	Collected: 27-AUG-21 10:35 By: BWL			Received: 27-AUG-21	By: KG	
JD30689-4	SW846 8260D	31-AUG-21 18:54	TDN			V8260TCL11

SGS Internal Chain of Custody

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY
Received: 08/27/21

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD30689-1.2	Secured Storage	Thien Nguyen	08/31/21 11:43	Retrieve from Storage
JD30689-1.2	Thien Nguyen	GCMS2B	08/31/21 11:43	Load on Instrument
JD30689-2.2	Secured Storage	Thien Nguyen	08/31/21 11:43	Retrieve from Storage
JD30689-2.2	Thien Nguyen	GCMS2B	08/31/21 11:43	Load on Instrument
JD30689-3.2	Secured Storage	Thien Nguyen	08/31/21 11:43	Retrieve from Storage
JD30689-3.2	Thien Nguyen	GCMS2B	08/31/21 11:43	Load on Instrument
JD30689-4.2	Secured Storage	Thien Nguyen	08/31/21 11:43	Retrieve from Storage
JD30689-4.2	Thien Nguyen	GCMS2B	08/31/21 11:43	Load on Instrument

MS Volatiles

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
- Run Sequence Reports

Method Blank Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B8421-MB	2B185533.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
123-91-1	1,4-Dioxane	ND	130	19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	

Method Blank Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B8421-MB	2B185533.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	Result	RL	MDL	Units	Q
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	85-118%
17060-07-0	1,2-Dichloroethane-D4	89%	80-121%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	100%	80-120%

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

Blank Spike Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B8421-BS	2B185531.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	562	493	88	63-137
71-43-2	Benzene	50	52.4	105	78-117
74-97-5	Bromochloromethane	50	49.7	99	83-124
75-27-4	Bromodichloromethane	50	49.7	99	83-123
75-25-2	Bromoform	50	46.0	92	80-140
74-83-9	Bromomethane	50	46.8	94	26-167
78-93-3	2-Butanone (MEK)	562	517	92	73-135
75-15-0	Carbon disulfide	50	52.0	104	60-131
56-23-5	Carbon tetrachloride	50	50.1	100	75-127
108-90-7	Chlorobenzene	50	51.0	102	83-115
75-00-3	Chloroethane	50	51.3	103	61-135
67-66-3	Chloroform	50	47.3	95	76-118
74-87-3	Chloromethane	50	47.5	95	46-144
110-82-7	Cyclohexane	50	52.1	104	67-128
96-12-8	1,2-Dibromo-3-chloropropane	50	39.1	78	75-135
124-48-1	Dibromochloromethane	50	46.7	93	84-128
106-93-4	1,2-Dibromoethane	50	46.8	94	82-129
95-50-1	1,2-Dichlorobenzene	50	52.6	105	85-117
541-73-1	1,3-Dichlorobenzene	50	50.8	102	83-116
106-46-7	1,4-Dichlorobenzene	50	51.6	103	82-115
75-71-8	Dichlorodifluoromethane	50	47.7	95	49-153
75-34-3	1,1-Dichloroethane	50	52.5	105	75-122
107-06-2	1,2-Dichloroethane	50	44.7	89	74-116
75-35-4	1,1-Dichloroethene	50	52.5	105	68-129
156-59-2	cis-1,2-Dichloroethene	50	51.0	102	78-120
156-60-5	trans-1,2-Dichloroethene	50	51.9	104	74-125
78-87-5	1,2-Dichloropropane	50	53.2	106	80-120
10061-01-5	cis-1,3-Dichloropropene	50	52.7	105	84-123
10061-02-6	trans-1,3-Dichloropropene	50	49.5	99	84-124
123-91-1	1,4-Dioxane	1250	1790	143* [a]	73-138
100-41-4	Ethylbenzene	50	49.3	99	80-115
76-13-1	Freon 113	50	50.0	100	66-136
591-78-6	2-Hexanone	562	536	95	74-132
98-82-8	Isopropylbenzene	50	49.6	99	79-120
79-20-9	Methyl Acetate	50	41.7	83	65-133
108-87-2	Methylcyclohexane	50	53.7	107	67-136

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B8421-BS	2B185531.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
1634-04-4	Methyl Tert Butyl Ether	50	44.2	88	77-124
108-10-1	4-Methyl-2-pentanone(MIBK)	562	510	91	77-129
75-09-2	Methylene chloride	50	55.1	110	74-125
100-42-5	Styrene	50	50.7	101	83-122
79-34-5	1,1,2,2-Tetrachloroethane	50	43.3	87	78-122
127-18-4	Tetrachloroethene	50	47.9	96	75-125
108-88-3	Toluene	50	49.5	99	80-115
87-61-6	1,2,3-Trichlorobenzene	50	45.9	92	73-140
120-82-1	1,2,4-Trichlorobenzene	50	51.7	103	77-137
71-55-6	1,1,1-Trichloroethane	50	52.7	105	77-124
79-00-5	1,1,2-Trichloroethane	50	46.6	93	83-118
79-01-6	Trichloroethene	50	53.5	107	80-123
75-69-4	Trichlorofluoromethane	50	48.4	97	71-134
75-01-4	Vinyl chloride	50	47.0	94	56-138
	m,p-Xylene	100	102	102	81-118
95-47-6	o-Xylene	50	52.2	104	81-119
1330-20-7	Xylene (total)	150	155	103	81-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	85-118%
17060-07-0	1,2-Dichloroethane-D4	84%	80-121%
2037-26-5	Toluene-D8	93%	80-120%
460-00-4	4-Bromofluorobenzene	101%	80-120%

(a) Outside control limits. This compound is not reported in associated samples.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD30727-1MS [a]	2B185540.D	1	08/31/21	TDN	n/a	n/a	V2B8421
JD30727-1	2B185534.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	JD30727-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	6.8	J	562	463	81	52-133
71-43-2	Benzene	ND		50	52.7	105	55-129
74-97-5	Bromochloromethane	ND		50	48.6	97	75-122
75-27-4	Bromodichloromethane	ND		50	49.1	98	74-123
75-25-2	Bromoform	ND		50	44.6	89	69-135
74-83-9	Bromomethane	ND		50	46.5	93	11-167
78-93-3	2-Butanone (MEK)	ND		562	483	86	64-131
75-15-0	Carbon disulfide	ND		50	53.1	106	54-137
56-23-5	Carbon tetrachloride	ND		50	51.6	103	68-132
108-90-7	Chlorobenzene	ND		50	50.7	101	71-119
75-00-3	Chloroethane	ND		50	50.4	101	50-146
67-66-3	Chloroform	0.91	J	50	47.6	93	67-120
74-87-3	Chloromethane	ND		50	46.0	92	42-146
110-82-7	Cyclohexane	ND		50	51.9	104	56-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	37.4	75	65-130
124-48-1	Dibromochloromethane	ND		50	45.8	92	74-125
106-93-4	1,2-Dibromoethane	ND		50	45.0	90	74-125
95-50-1	1,2-Dichlorobenzene	ND		50	51.7	103	73-117
541-73-1	1,3-Dichlorobenzene	ND		50	50.3	101	73-117
106-46-7	1,4-Dichlorobenzene	ND		50	51.0	102	70-117
75-71-8	Dichlorodifluoromethane	ND		50	47.3	95	46-169
75-34-3	1,1-Dichloroethane	ND		50	51.8	104	66-124
107-06-2	1,2-Dichloroethane	ND		50	42.9	86	66-115
75-35-4	1,1-Dichloroethene	ND		50	53.5	107	60-136
156-59-2	cis-1,2-Dichloroethene	ND		50	50.8	102	55-133
156-60-5	trans-1,2-Dichloroethene	ND		50	53.0	106	67-127
78-87-5	1,2-Dichloropropane	ND		50	51.8	104	72-120
10061-01-5	cis-1,3-Dichloropropene	ND		50	53.4	107	75-123
10061-02-6	trans-1,3-Dichloropropene	ND		50	48.5	97	73-122
123-91-1	1,4-Dioxane	ND		1250	1630	130	61-133
100-41-4	Ethylbenzene	ND		50	49.3	99	44-136
76-13-1	Freon 113	ND		50	52.9	106	61-148
591-78-6	2-Hexanone	ND		562	513	91	64-129
98-82-8	Isopropylbenzene	ND		50	49.8	100	71-122
79-20-9	Methyl Acetate	ND		50	37.6	75	55-127
108-87-2	Methylcyclohexane	ND		50	55.4	111	58-148

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD30727-1MS [a]	2B185540.D	1	08/31/21	TDN	n/a	n/a	V2B8421
JD30727-1	2B185534.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	JD30727-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
1634-04-4	Methyl Tert Butyl Ether	ND		50	41.5	83	64-122
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		562	495	88	68-128
75-09-2	Methylene chloride	ND		50	53.7	107	65-126
100-42-5	Styrene	ND		50	50.4	101	73-124
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	41.7	83	68-120
127-18-4	Tetrachloroethene	ND		50	49.8	100	61-134
108-88-3	Toluene	3.8		50	54.4	101	54-130
87-61-6	1,2,3-Trichlorobenzene	ND		50	45.4	91	64-135
120-82-1	1,2,4-Trichlorobenzene	ND		50	50.7	101	67-134
71-55-6	1,1,1-Trichloroethane	ND		50	53.2	106	66-130
79-00-5	1,1,2-Trichloroethane	ND		50	44.9	90	73-117
79-01-6	Trichloroethene	13.4		50	64.1	101	56-139
75-69-4	Trichlorofluoromethane	ND		50	48.8	98	63-150
75-01-4	Vinyl chloride	ND		50	47.5	95	48-148
	m,p-Xylene	ND		100	103	103	42-140
95-47-6	o-Xylene	ND		50	52.1	104	54-133
1330-20-7	Xylene (total)	ND		150	155	103	46-138

CAS No.	Surrogate Recoveries	MS	JD30727-1	Limits
1868-53-7	Dibromofluoromethane	95%	99%	85-118%
17060-07-0	1,2-Dichloroethane-D4	84%	90%	80-121%
2037-26-5	Toluene-D8	94%	99%	80-120%
460-00-4	4-Bromofluorobenzene	99%	98%	80-120%

(a) corr no pH

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD30727-2DUP	2B185542.D	1	08/31/21	TDN	n/a	n/a	V2B8421
JD30727-2	2B185535.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	JD30727-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	3.9	J	4.3	J	10	17
71-43-2	Benzene	ND		ND		nc	11
74-97-5	Bromochloromethane	ND		ND		nc	20
75-27-4	Bromodichloromethane	ND		ND		nc	10
75-25-2	Bromoform	ND		ND		nc	10
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	10
75-15-0	Carbon disulfide	ND		ND		nc	10
56-23-5	Carbon tetrachloride	ND		ND		nc	8
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	0.90	J	0.87	J	3	8
74-87-3	Chloromethane	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	13
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	20
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	10
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	20
75-34-3	1,1-Dichloroethane	ND		ND		nc	6
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	6.1		5.7		7	13
156-60-5	trans-1,2-Dichloroethene	0.62	J	0.60	J	3	10
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
100-41-4	Ethylbenzene	ND		ND		nc	7
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	8
79-20-9	Methyl Acetate	ND		ND		nc	20
108-87-2	Methylcyclohexane	ND		ND		nc	12

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD30727-2DUP	2B185542.D	1	08/31/21	TDN	n/a	n/a	V2B8421
JD30727-2	2B185535.D	1	08/31/21	TDN	n/a	n/a	V2B8421

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

JD30689-1, JD30689-2, JD30689-3, JD30689-4

CAS No.	Compound	JD30727-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	12
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	10
108-88-3	Toluene	11.7		12.6		7	10
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	10
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	10
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	135		136		1	12
75-69-4	Trichlorofluoromethane	ND		ND		nc	20
75-01-4	Vinyl chloride	ND		ND		nc	6
	m,p-Xylene	ND		ND		nc	6
95-47-6	o-Xylene	ND		ND		nc	4
1330-20-7	Xylene (total)	ND		ND		nc	8

CAS No.	Surrogate Recoveries	DUP	JD30727-2	Limits
1868-53-7	Dibromofluoromethane	99%	99%	85-118%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	80-121%
2037-26-5	Toluene-D8	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	100%	101%	80-120%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-BFB
Lab File ID: 2B183583.D
Instrument ID: GCMS2B
Injection Date: 06/16/21
Injection Time: 17:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	20421	17.7		Pass
75	30.0 - 60.0% of mass 95	55917	48.4		Pass
95	Base peak, 100% relative abundance	115464	100.0		Pass
96	5.0 - 9.0% of mass 95	7578	6.56		Pass
173	Less than 2.0% of mass 174	1064	0.92	(0.87) [a]	Pass
174	50.0 - 120.0% of mass 95	122216	105.8		Pass
175	5.0 - 9.0% of mass 174	9200	7.97	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	120186	104.1	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	8006	6.93	(6.66) [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
V2B8337-IC8337	2B183584.D	06/16/21	17:57	00:31	Initial cal 0.2
V2B8337-IC8337	2B183585.D	06/16/21	18:26	01:00	Initial cal 0.5
V2B8337-IC8337	2B183586.D	06/16/21	18:55	01:29	Initial cal 1
V2B8337-IC8337	2B183587.D	06/16/21	19:24	01:58	Initial cal 2
V2B8337-IC8337	2B183588.D	06/16/21	19:53	02:27	Initial cal 4
V2B8337-IC8337	2B183589.D	06/16/21	20:22	02:56	Initial cal 8
V2B8337-IC8337	2B183590.D	06/16/21	20:51	03:25	Initial cal 20
V2B8337-ICC8337	2B183591.D	06/16/21	21:20	03:54	Initial cal 50
V2B8337-IC8337	2B183592.D	06/16/21	21:48	04:22	Initial cal 100
V2B8337-IC8337	2B183593.D	06/16/21	22:17	04:51	Initial cal 200
V2B8337-ICV8337	2B183596.D	06/16/21	23:44	06:18	Initial cal verification 50
V2B8337-ICV8337	2B183597.D	06/17/21	00:12	06:46	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8421-BFB
Lab File ID: 2B185528.D
Instrument ID: GCMS2B
Injection Date: 08/31/21
Injection Time: 07:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	21984	15.4		Pass
75	30.0 - 60.0% of mass 95	64491	45.2		Pass
95	Base peak, 100% relative abundance	142656	100.0		Pass
96	5.0 - 9.0% of mass 95	9440	6.62		Pass
173	Less than 2.0% of mass 174	1330	0.93	(0.87) [a]	Pass
174	50.0 - 120.0% of mass 95	152021	106.6		Pass
175	5.0 - 9.0% of mass 174	11046	7.74	(7.27) [a]	Pass
176	95.0 - 101.0% of mass 174	150187	105.3	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	9866	6.92	(6.57) [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
V2B8421-CC8337	2B185528.D	08/31/21	07:47	00:00	Continuing cal 50
V2B8421-BS	2B185531.D	08/31/21	10:02	02:15	Blank Spike
V2B8421-MB	2B185533.D	08/31/21	11:20	03:33	Method Blank
JD30727-1	2B185534.D	08/31/21	12:03	04:16	(used for QC only; not part of job JD30689)
JD30727-2	2B185535.D	08/31/21	12:32	04:45	(used for QC only; not part of job JD30689)
ZZZZZZ	2B185536.D	08/31/21	13:01	05:14	(unrelated sample)
ZZZZZZ	2B185537.D	08/31/21	13:31	05:44	(unrelated sample)
ZZZZZZ	2B185538.D	08/31/21	14:00	06:13	(unrelated sample)
ZZZZZZ	2B185539.D	08/31/21	14:29	06:42	(unrelated sample)
JD30727-1MS	2B185540.D	08/31/21	14:59	07:12	Matrix Spike
JD30727-2DUP	2B185542.D	08/31/21	15:58	08:11	Duplicate
ZZZZZZ	2B185543.D	08/31/21	16:27	08:40	(unrelated sample)
ZZZZZZ	2B185544.D	08/31/21	16:56	09:09	(unrelated sample)
JD30689-1	2B185545.D	08/31/21	17:26	09:39	MW-06S
JD30689-2	2B185546.D	08/31/21	17:55	10:08	DUP082721
JD30689-3	2B185547.D	08/31/21	18:25	10:38	TB082721
JD30689-4	2B185548.D	08/31/21	18:54	11:07	FB082721
ZZZZZZ	2B185549.D	08/31/21	19:23	11:36	(unrelated sample)
ZZZZZZ	2B185550.D	08/31/21	19:53	12:06	(unrelated sample)

Internal Standard Area Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Check Std:	V2B8421-CC8337	**Injection Date:**	08/31/21
Lab File ID:	2B185528.D	**Injection Time:**	07:47
Instrument ID:	GCMS2B	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	109744	7.75	429561	10.26	577233	11.20	583145	14.55	306014	17.03
Upper Limit [a]	219488	8.25	859122	10.76	1154466	11.70	1166290	15.05	612028	17.53
Lower Limit [b]	54872	7.25	214781	9.76	288617	10.70	291573	14.05	153007	16.53

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2B8421-BS	111809	7.75	425830	10.26	572889	11.20	583293	14.55	308163	17.03
V2B8421-MB	127178	7.75	464031	10.26	617258	11.20	594753	14.55	316490	17.03
JD30727-1	129878	7.75	462034	10.25	606713	11.20	582569	14.55	318038	17.03
JD30727-2	123806	7.76	456259	10.26	606436	11.20	590572	14.55	314950	17.03
ZZZZZZ	123481	7.76	454094	10.26	605255	11.20	589963	14.55	312884	17.03
ZZZZZZ	120893	7.75	450874	10.26	599968	11.20	583611	14.55	304430	17.03
ZZZZZZ	124425	7.75	456683	10.26	581806	11.20	586879	14.55	317171	17.03
ZZZZZZ	124741	7.75	453011	10.26	577507	11.20	580004	14.55	309984	17.03
JD30727-1MS [c]	103318	7.74	412957	10.25	555853	11.19	564376	14.55	297299	17.03
JD30727-2DUP	120807	7.75	451832	10.25	599449	11.20	576508	14.55	306560	17.03
ZZZZZZ	128646	7.76	448100	10.25	579506	11.19	572970	14.55	306452	17.03
ZZZZZZ	119545	7.75	449785	10.26	584023	11.20	572670	14.55	304768	17.03
JD30689-1	117702	7.75	447393	10.25	592469	11.20	558452	14.55	300175	17.03
JD30689-2	117429	7.76	443711	10.26	593363	11.20	559761	14.55	299774	17.03
JD30689-3	112527	7.75	429983	10.25	572854	11.20	546334	14.55	285953	17.03
JD30689-4	118409	7.75	440178	10.26	583222	11.20	569686	14.55	301610	17.03
ZZZZZZ	123091	7.75	435337	10.25	578081	11.20	561673	14.55	296958	17.03
ZZZZZZ	115918	7.75	438185	10.26	577791	11.20	553357	14.55	291767	17.03

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) corr no pH

Surrogate Recovery Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD30689-1	2B185545.D	99	90	101	100
JD30689-2	2B185546.D	100	89	100	100
JD30689-3	2B185547.D	101	89	100	100
JD30689-4	2B185548.D	100	88	98	99
JD30727-1MS	2B185540.D	95	84	94	99
JD30727-2DUP	2B185542.D	99	89	98	100
V2B8421-BS	2B185531.D	95	84	93	101
V2B8421-MB	2B185533.D	99	89	99	100

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	85-118%
S2 = 1,2-Dichloroethane-D4	80-121%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	80-120%

Initial Calibration Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICC8337
Lab FileID: 2B183591.D

Response Factor Report GCMS2B

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
Last Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Calibration Files
1 =2B183586.D 0.5 =2B183585.D 100 =2B183592.D 50 =2B183591.D
20 =2B183590.D 200 =2B183593.D 4 =2B183588.D 2 =2B183587.D
8 =2B183589.D 0.2 =2B183584.D = =

Compound	1	0.5	100	50	20	200	4	2	8	0.2	Avg	%RSD
1) tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	0.891		1.172	1.211	1.210	1.207	0.974	1.131	1.069		1.108	10.89
3) ethanol	0.070		0.099	0.102	0.106	0.103	0.092	0.096	0.090		0.095	11.90
4) 1,4-dioxane			0.097	0.100	0.104	0.101	0.065		0.081		0.092	16.54
5) I pentafluorobenzene ----------ISTD----------												
6) chlorodifluoromethane	0.581	0.494	0.622	0.715	0.686	0.592	0.588	0.687	0.571		0.615	11.41
7) dichlorodifluoromethane	0.736	0.680	0.851	0.997	0.957	0.816	0.769	0.889	0.722		0.824	13.18
8) chloromethane	0.734	0.795	0.725	0.831	0.844	0.684	0.753	0.851	0.702		0.769	8.23
9) vinyl chloride	0.670	0.658	0.704	0.824	0.815	0.668	0.694	0.825	0.656	0.662	0.718	10.21
10) 1,3-butadiene	0.486	0.418	0.460	0.561	0.554	0.439	0.470	0.596	0.478		0.496	12.24
11) bromomethane	0.511	0.503	0.506	0.567	0.552	0.504	0.490	0.558	0.461		0.517	6.76
12) chloroethane	0.358	0.324	0.351	0.394	0.381	0.355	0.330	0.383	0.320		0.355	7.58
13) trichlorofluoromethane	0.786	0.784	0.856	0.981	0.943	0.843	0.807	0.984	0.743		0.858	10.49
14) ethyl ether	0.168		0.225	0.240	0.233	0.225	0.207	0.209	0.196		0.213	10.86
15) acrolein			0.070	0.075	0.068	0.072			0.041		0.065	21.20
---- Linear regression ---- Coefficient = 0.9982												
Response Ratio = -0.00403 + 0.07352 *A												
16) freon 113	0.395	0.350	0.416	0.495	0.493	0.410	0.425	0.499	0.422		0.434	11.86
17) 1,1-dichloroethene	0.354	0.341	0.362	0.414	0.400	0.351	0.362	0.430	0.341		0.373	8.89
18) acetone	0.084		0.097	0.103	0.110	0.092	0.098	0.102	0.091		0.097	8.42
19) acetonitrile			0.039	0.041	0.043	0.040	0.038	0.043	0.037		0.040	6.24
20) iodomethane	0.810	0.765	0.825	0.904	0.877	0.808	0.804	0.903	0.777		0.830	6.24
21) carbon disulfide	1.206	1.185	1.239	1.403	1.360	1.202	1.220	1.467	1.182		1.274	8.42

Initial Calibration Summary

Job Number: JD30689 **Sample:** V2B8337-ICC8337
Account: ERMNYW ERM, Inc. **Lab FileID:** 2B183591.D
Project: Johnson & Hoffman, Carle Place, NY

22) methylene chloride
0.388 0.366 0.413 0.450 0.436 0.409 0.397 0.434 0.374 0.332 0.400 9.03
23) methyl acetate
0.263 0.275 0.284 0.263 0.254 0.250 0.265 4.73
24) methyl tert butyl ether
1.224 1.047 1.212 1.324 1.322 1.181 1.171 1.359 1.152 1.002 1.199 9.72
25) trans-1,2-dichloroethene
0.410 0.360 0.395 0.441 0.431 0.384 0.391 0.450 0.378 0.405 7.58
26) di-isopropyl ether
1.210 1.094 1.240 1.353 1.340 1.207 1.230 1.389 1.183 0.969 1.221 10.28
27) 2-butanone
0.040 0.041 0.040 0.040 0.031 0.028 0.034 0.036 14.69
28) 1,1-dichloroethane
0.661 0.575 0.688 0.757 0.736 0.671 0.682 0.788 0.655 0.576 0.679 10.24
29) chloroprene
0.490 0.396 0.534 0.604 0.572 0.526 0.507 0.581 0.504 0.524 11.77
30) acrylonitrile
0.096 0.100 0.094 0.097 0.064 0.090 16.48
31) hexane
0.267 0.302 0.347 0.321 0.300 0.260 0.329 0.266 0.299 10.83
32) vinyl acetate
0.081 0.083 0.074 0.077 0.053 0.074 16.40
33) ethyl tert-butyl ether
1.291 1.173 1.410 1.497 1.462 1.399 1.288 1.451 1.232 1.131 1.334 9.62
34) ethyl acetate
0.048 0.052 0.051 0.047 0.038 0.036 0.046 15.02
35) 2,2-dichloropropane
0.650 0.597 0.615 0.709 0.685 0.605 0.633 0.729 0.619 0.564 0.641 8.16
36) cis-1,2-dichloroethene
0.444 0.394 0.432 0.475 0.461 0.416 0.427 0.486 0.402 0.350 0.429 9.58
37) methyl acrylate
0.298 0.303 0.317 0.299 0.244 0.254 0.286 10.30
38) propionitrile
0.045 0.048 0.050 0.044 0.042 0.044 0.040 0.045 7.57
39) bromochloromethane
0.220 0.249 0.267 0.256 0.243 0.231 0.255 0.230 0.244 6.51
40) tetrahydrofuran
0.046 0.046 0.047 0.045 0.036 0.044 9.65
41) chloroform
0.523 0.505 0.468 0.514 0.499 0.459 0.461 0.531 0.445 0.541 0.494 6.86
42) t-butyl formate
0.291 0.366 0.381 0.350 0.367 0.299 0.319 0.286 0.332 11.46
43) dibromofluoromethane (s)
0.451 0.451 0.446 0.447 0.440 0.441 0.447 0.447 0.445 0.452 0.447 0.91
44) methacrylonitrile
0.152 0.157 0.154 0.155 0.100 0.118 0.121 0.136 17.01
45) 1,1,1-trichloroethane
0.612 0.534 0.702 0.772 0.720 0.712 0.618 0.714 0.599 0.665 11.53
46) cyclohexane
0.565 0.575 0.596 0.688 0.652 0.601 0.552 0.678 0.517 0.480 0.590 11.42
47) 1,1-dichloropropene
0.524 0.437 0.521 0.582 0.551 0.512 0.487 0.570 0.470 0.517 9.12
48) iso-butyl alcohol
0.013 0.012 0.012 0.013 0.011 0.013 0.009 0.012 12.08
49) carbon tetrachloride
0.598 0.589 0.613 0.693 0.661 0.616 0.571 0.697 0.566 0.623 7.98
50) tert amyl alcohol
0.012 0.013 0.014 0.012 0.012 0.011 0.012 8.53

51) I 1,4-difluorobenzene ----------ISTD----------

Initial Calibration Summary

Job Number: JD30689 **Sample:** V2B8337-ICC8337
Account: ERMNYW ERM, Inc. **Lab FileID:** 2B183591.D
Project: Johnson & Hoffman, Carle Place, NY

52) 1,2-dichloroethane-d4 (s)
0.352 0.352 0.332 0.333 0.352 0.324 0.354 0.350 0.352 0.360 0.346 3.39
53) n-butyl alcohol
0.006 0.006 0.007 0.007 0.005 0.005 0.006# 11.61
54) 2,2,4-trimethylpentane
0.951 0.878 1.002 1.138 1.078 1.019 0.935 1.121 0.904 1.003 9.38
55) benzene
1.089 0.994 1.047 1.166 1.152 1.012 1.043 1.214 0.997 0.881 1.060 9.30
56) tert-amyl methyl ether
0.206 0.230 0.246 0.245 0.234 0.217 0.245 0.208 0.229 7.16
57) heptane
0.203 0.194 0.233 0.263 0.245 0.233 0.207 0.255 0.202 0.226 11.18
58) isopropyl acetate
0.060 0.061 0.062 0.061 0.047 0.048 0.057 12.58
59) 1,2-dichloroethane
0.408 0.395 0.401 0.432 0.422 0.389 0.387 0.435 0.371 0.408 0.405 5.08
60) trichloroethene
0.333 0.290 0.359 0.394 0.366 0.350 0.322 0.385 0.307 0.345 10.11
61) ethyl acrylate
0.315 0.328 0.328 0.307 0.260 0.265 0.300 10.22
62) 2-nitropropane
0.077 0.080 0.078 0.081 0.069 0.072 0.065 0.075 8.10
63) 2-chloroethyl vinyl ether
0.158 0.129 0.177 0.191 0.191 0.170 0.164 0.178 0.157 0.168 11.55
64) methyl methacrylate
0.071 0.074 0.075 0.071 0.051 0.054 0.066 15.97
65) 1,2-dichloropropane
0.273 0.245 0.298 0.320 0.308 0.292 0.274 0.300 0.269 0.287 8.05
66) dibromomethane
0.188 0.191 0.202 0.203 0.185 0.186 0.202 0.173 0.191 5.46
67) methylcyclohexane
0.505 0.447 0.531 0.620 0.601 0.523 0.507 0.594 0.498 0.536 10.64
68) bromodichloromethane
0.418 0.349 0.431 0.463 0.440 0.428 0.398 0.452 0.381 0.418 8.61
69) epichlorohydrin
0.026 0.027 0.028 0.027 0.024 0.024 0.023 0.025 7.46
70) cis-1,3-dichloropropene
0.449 0.397 0.513 0.547 0.524 0.507 0.462 0.507 0.439 0.483 9.99
71) 4-methyl-2-pentanone
0.079 0.101 0.108 0.110 0.100 0.094 0.102 0.090 0.098 10.31
72) 3-methyl-1-butanol
0.006 0.007 0.007 0.007 0.005 0.004 0.005 0.006# 17.01

73) I chlorobenzene-d5 ----------ISTD----------
74) toluene-d8 (s)
1.216 1.229 1.179 1.186 1.208 1.150 1.232 1.212 1.225 1.222 1.206 2.19
75) toluene
0.730 0.657 0.731 0.805 0.780 0.700 0.709 0.797 0.674 0.731 7.25
76) trans-1,3-dichloropropene
0.393 0.301 0.462 0.493 0.478 0.445 0.417 0.453 0.403 0.427 13.60
77) ethyl methacrylate
0.285 0.365 0.391 0.386 0.351 0.326 0.344 0.320 0.346 10.25
78) 1,1,2-trichloroethane
0.202 0.175 0.225 0.243 0.243 0.216 0.228 0.246 0.211 0.221 10.43
79) tetrachloroethene
0.293 0.286 0.290 0.335 0.335 0.275 0.311 0.374 0.298 0.311 10.08
80) 1,3-dichloropropane
0.449 0.403 0.449 0.486 0.483 0.429 0.441 0.486 0.415 0.449 6.92
81) 2-hexanone
0.070 0.089 0.097 0.099 0.086 0.085 0.084 0.081 0.086 10.61

Initial Calibration Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICC8337
Lab FileID: 2B183591.D

82) butyl acetate
0.173 0.178 0.182 0.171 0.151 0.150 0.153 0.165 8.29
83) dibromochloromethane
0.347 0.344 0.379 0.405 0.396 0.369 0.365 0.402 0.341 0.372 6.74
84) 1,2-dibromoethane
0.282 0.214 0.304 0.326 0.320 0.298 0.289 0.321 0.281 0.293 11.59
85) n-butyl ether
1.035 0.913 1.138 1.253 1.220 1.090 1.064 1.198 1.037 1.105 9.77
86) chlorobenzene
0.883 0.775 0.848 0.936 0.933 0.815 0.848 0.974 0.812 0.869 7.69
87) 1,1,1,2-tetrachloroethane
0.352 0.298 0.349 0.385 0.384 0.342 0.351 0.393 0.335 0.354 8.41
88) ethylbenzene
1.377 1.275 1.302 1.469 1.503 1.245 1.385 1.582 1.313 1.257 1.371 8.34
89) m,p-xylene
0.571 0.500 0.550 0.612 0.609 0.541 0.564 0.638 0.537 0.414 0.554 11.55
90) o-xylene
0.605 0.540 0.595 0.658 0.664 0.582 0.593 0.668 0.578 0.417 0.590 12.52
91) styrene
0.906 0.793 0.964 1.063 1.066 0.930 0.971 1.077 0.926 0.966 9.58
92) n-amyl acetate
0.201 0.212 0.216 0.210 0.172 0.169 0.181 0.194 10.27
93) bromoform
0.278 0.233 0.299 0.317 0.307 0.298 0.276 0.292 0.262 0.285 8.98
94) butyl acrylate
0.427 0.600 0.627 0.603 0.603 0.486 0.512 0.493 0.544 13.47
95) isopropylbenzene
1.622 1.469 1.578 1.784 1.779 1.517 1.604 1.817 1.537 1.383 1.609 8.98
96) cis-1,4-dichloro-2-butene
0.137 0.147 0.149 0.135 0.127 0.129 0.126 0.136 6.94

97) I 1,4-dichlorobenzene-d ----------ISTD----------
98) 4-bromofluorobenzene (s)
0.827 0.820 0.849 0.853 0.839 0.850 0.828 0.835 0.821 0.816 0.834 1.62
99) bromobenzene
0.781 0.676 0.826 0.915 0.895 0.790 0.787 0.885 0.757 0.813 9.37
100) 1,1,2,2-tetrachloroethane
0.633 0.547 0.707 0.757 0.745 0.682 0.638 0.700 0.612 0.669 10.12
101) trans-1,4-dichloro-2-butene
0.139 0.189 0.203 0.196 0.186 0.157 0.166 0.153 0.174 13.15
102) 1,2,3-trichloropropane
0.178 0.195 0.209 0.214 0.189 0.180 0.207 0.181 0.194 7.48
103) n-propylbenzene
3.061 2.806 3.121 3.572 3.492 2.955 3.069 3.514 2.968 2.554 3.111 10.57
104) 2-chlorotoluene
0.696 0.570 0.760 0.836 0.807 0.736 0.690 0.821 0.682 0.733 11.50
105) 4-chlorotoluene
2.002 1.812 1.965 2.188 2.111 1.911 1.904 2.167 1.857 1.701 1.962 8.06
106) 1,3,5-trimethylbenzene
2.319 2.230 2.366 2.681 2.659 2.247 2.324 2.618 2.257 1.823 2.353 10.88
107) tert-butylbenzene
0.491 0.474 0.596 0.667 0.618 0.576 0.516 0.584 0.509 0.559 11.55
108) 1,2,4-trimethylbenzene
2.421 2.133 2.477 2.802 2.761 2.343 2.435 2.781 2.353 1.972 2.448 11.24
109) sec-butylbenzene
2.967 2.766 3.318 3.814 3.650 3.107 3.065 3.581 3.026 3.255 10.92
110) 1,3-dichlorobenzene
1.556 1.494 1.497 1.665 1.638 1.452 1.506 1.754 1.427 1.308 1.530 8.43
111) p-isopropyltoluene
2.684 2.383 2.931 3.313 3.178 2.727 2.728 3.087 2.653 2.854 10.36

Initial Calibration Summary

Job Number: JD30689 **Sample:** V2B8337-ICC8337
Account: ERMNYW ERM, Inc. **Lab FileID:** 2B183591.D
Project: Johnson & Hoffman, Carle Place, NY

```
112)  1,4-dichlorobenzene
           1.503 1.384 1.550 1.681 1.609 1.529 1.409 1.647 1.365 1.330  1.501    8.25
113)  benzyl chloride
           1.205 1.078 1.542 1.637 1.554 1.505 1.230 1.376 1.216        1.371   14.32
114)  1,2,3-trimethylbenzene
           2.341 2.145 2.498 2.780 2.711 2.342 2.323 2.611 2.261 1.920  2.393   10.99
115)  1,2-dichlorobenzene
           1.547 1.336 1.620 1.785 1.728 1.520 1.496 1.647 1.458 1.136  1.527   12.45
116)  n-butylbenzene
           1.121       1.431 1.595 1.472 1.349 1.185 1.394 1.180        1.341   12.32
117)  hexachloroethane
           0.506       0.645 0.712 0.649 0.613 0.504 0.595 0.513        0.592   13.11
118)  1,2-dibromo-3-chloropropane
                       0.232 0.242 0.233 0.220 0.174 0.172 0.175        0.207   15.39
119)  1,3,5-trichlorobenzene
           1.187 1.097 1.430 1.643 1.548 1.259 1.285 1.431 1.247        1.347   13.16
120)  2-ethylhexyl acrylate
                       0.541 0.587 0.439 0.518             0.260        0.469   27.36
            ---- Linear regression ----  Coefficient =  0.9947
              Response Ratio = -0.00757 + 0.54859 *A

121)  1,2,4-trichlorobenzene
           1.005       1.299 1.496 1.381 1.133 1.141 1.203 1.101        1.220   13.26
122)  hexachlorobutadiene
           0.602 0.527 0.613 0.727 0.698 0.543 0.642 0.695 0.587        0.626   11.20
123)  naphthalene
           1.963       2.479 2.783 2.666 2.207 2.221 2.259 2.080        2.332   12.22
124)  1,2,3-trichlorobenzene
           0.901 0.837 1.103 1.269 1.199 0.979 0.988 1.058 0.939        1.030   13.64
125)  2-methylnaphthalene
                       1.324 1.436 1.172 1.244             0.805        1.196   20.04
            ---- Linear regression ----  Coefficient =  0.9943
              Response Ratio = -0.02822 + 1.31461 *A


126)     pentafluorobenzene(a) ----------------ISTD---------------------
127)  allyl chloride
                       0.213 0.215 0.248 0.246 0.269       0.236        0.238    8.85

128)     1,4-dichlorobenzene-d ----------------ISTD---------------------
129)  pentachloroethane
                       0.602 0.606 0.687 0.670 0.740       0.670        0.663    7.87
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M2B8337.M         Wed Jul 28 16:10:03 2021
```

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183596.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2B8337\2B183596.D Vial: 15
Acq On : 16 Jun 2021 11:44 pm Operator: thienn
Sample : icv8337-50 Inst : GCMS2B
Misc : MS51064,V2B8337,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
Last Update : Thu Jun 17 19:00:23 2021
Response via : Multiple Level Calibration

Min. RRF : 0.010 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		tert butyl alcohol-d9	1.000	1.000	0.0	110	-0.01	7.74
2	M	tertiary butyl alcohol	1.108	1.240	-11.9	112	0.00	7.88
3		ethanol	0.095	0.106	-11.6	114	0.00	6.34
4	M	1,4-dioxane	0.092	0.105	-14.1	115	0.00	11.94
5	I	pentafluorobenzene	1.000	1.000	0.0	105	0.00	10.26
6	M	chlorodifluoromethane		----------NA----------				
7	M	dichlorodifluoromethane	0.824	1.048	-27.2	110	0.00	4.14
8	M	chloromethane	0.769	0.733	4.7	93	0.00	4.55
9	M	vinyl chloride	0.718	0.808	-12.5	103	0.00	4.79
10		1,3-butadiene	0.496	0.577	-16.3	108	0.00	4.83
11	M	bromomethane	0.517	0.597	-15.5	111	0.00	5.45
12	M	chloroethane	0.355	0.386	-8.7	103	0.00	5.62
13	M	trichlorofluoromethane	0.858	0.973	-13.4	104	-0.05	6.12
14	M	ethyl ether	0.213	0.248	-16.4	108	0.00	6.61
		----------	True	Calc.	% Drift	----------		
15	M	acrolein	50.000	58.967	-17.9	117	0.02	6.81
		----------	AvgRF	CCRF	% Dev	----------		
16		freon 113	0.434	0.445	-2.5	94	0.00	7.07
17	M	1,1-dichloroethene	0.373	0.403	-8.0	102	0.00	7.04
18	M	acetone	0.097	0.107	-10.3	109	0.01	7.03
19	M	acetonitrile		----------NA----------				
20	M	iodomethane	0.830	0.905	-9.0	105	0.00	7.30
21	M	carbon disulfide	1.274	1.333	-4.6	100	0.00	7.46
22	M	methylene chloride	0.400	0.437	-9.2	102	0.00	7.78
23	M	methyl acetate	0.265	0.268	-1.1	102	0.01	7.60
24	M	methyl tert butyl ether	1.199	1.368	-14.1	109	0.00	8.24
25	M	trans-1,2-dichloroethene	0.405	0.431	-6.4	103	0.00	8.25
26	M	di-isopropyl ether	1.221	1.292	-5.8	100	0.00	8.93
27	M	2-butanone	0.036	0.045	-25.0	117	0.00	9.60
28	M	1,1-dichloroethane	0.679	0.752	-10.8	104	0.00	8.84
29	M	chloroprene	0.524	0.657	-25.4	114	0.00	9.00
30	M	acrylonitrile		----------NA----------				
31		hexane	0.299	0.338	-13.0	102	0.00	8.68
32	M	vinyl acetate	0.074	0.081	-9.5	103	0.01	8.87
33	M	ethyl tert-butyl ether	1.334	1.445	-8.3	101	0.00	9.43
34	M	ethyl acetate	0.046	0.055	-19.6	110	0.00	9.67
35	M	2,2-dichloropropane	0.641	0.699	-9.0	104	0.00	9.67
36	M	cis-1,2-dichloroethene	0.429	0.480	-11.9	106	0.00	9.64
37		methyl acrylate	0.286	0.321	-12.2	111	0.00	9.75

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183596.D

38	M	propionitrile	0.045	0.052	-15.6	112	0.00	9.64
39	M	bromochloromethane	0.244	0.268	-9.8	105	0.00	9.95
40	M	tetrahydrofuran	0.044	0.051	-15.9	117	0.00	10.04
41	M	chloroform	0.494	0.510	-3.2	104	0.00	10.03
42	M	t-butyl formate	0.332	0.301	9.3	83	0.00	10.11
43	S	dibromofluoromethane (s)	0.447	0.447	0.0	105	0.00	10.23
44	M	methacrylonitrile	0.136	0.165	-21.3	110	0.00	9.88
45	M	1,1,1-trichloroethane	0.665	0.773	-16.2	105	0.00	10.35
46		cyclohexane	0.590	0.720	-22.0	110	0.00	10.47
47		1,1-dichloropropene	0.517	0.583	-12.8	105	0.00	10.54
48		iso-butyl alcohol	0.012	0.013	-8.3	113	0.00	10.51
49		carbon tetrachloride	0.623	0.690	-10.8	105	0.00	10.58
50		tert amyl alcohol	0.012	0.014	-16.7	114	0.00	10.66
51	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	11.20
52	S	1,2-dichloroethane-d4 (s)	0.346	0.336	2.9	105	0.00	10.68
53	M	n-butyl alcohol	0.006	0.007#	-16.7	109	0.00	11.30
54		2,2,4-trimethylpentane	1.003	1.049	-4.6	96	0.00	10.91
55	M	benzene	1.060	1.181	-11.4	106	0.00	10.80
56	M	tert-amyl methyl ether	0.229	0.232	-1.3	99	0.00	10.90
57	M	heptane	0.226	0.254	-12.4	101	0.00	11.09
58	M	isopropyl acetate	0.057	0.065	-14.0	111	0.00	10.76
59	M	1,2-dichloroethane	0.405	0.434	-7.2	105	0.00	10.77
60	M	trichloroethene	0.345	0.395	-14.5	105	0.00	11.57
61		ethyl acrylate	0.300	0.344	-14.7	109	0.00	11.58
62	M	2-nitropropane	0.075	0.084	-12.0	109	0.00	12.30
63	M	2-chloroethyl vinyl ether	0.168	0.199	-18.5	109	0.00	12.38
64	M	methyl methacrylate	0.066	0.077	-16.7	109	0.00	11.86
65	M	1,2-dichloropropane	0.287	0.312	-8.7	102	0.00	11.81
66	M	dibromomethane	0.191	0.198	-3.7	102	0.00	11.95
67	M	methylcyclohexane	0.536	0.582	-8.6	98	0.00	11.84
68	M	bromodichloromethane	0.418	0.455	-8.9	103	0.00	12.10
69		epichlorohydrin	0.025	0.029	-16.0	114	0.00	12.47
70	M	cis-1,3-dichloropropene	0.483	0.543	-12.4	104	0.00	12.60
71	M	4-methyl-2-pentanone	0.098	0.115	-17.3	111	0.00	12.73
72	M	3-methyl-1-butanol	0.006	0.007#	-16.7	109	0.00	12.74
73	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	14.55
74	S	toluene-d8 (s)	1.206	1.179	2.2	104	0.00	12.95
75		toluene	0.731	0.810	-10.8	105	0.00	13.02
76		trans-1,3-dichloropropene	0.427	0.509	-19.2	108	0.00	13.19
77		ethyl methacrylate	0.346	0.404	-16.8	108	0.00	13.25
78		1,1,2-trichloroethane	0.221	0.246	-11.3	106	0.00	13.41
79	M	tetrachloroethene		----------NA----------				
80	M	1,3-dichloropropane	0.449	0.499	-11.1	108	0.00	13.61
81		2-hexanone	0.086	0.103	-19.8	111	0.00	13.63
82	M	butyl acetate	0.165	0.194	-17.6	114	0.00	13.75
83	M	dibromochloromethane	0.372	0.422	-13.4	109	0.00	13.89
84	M	1,2-dibromoethane	0.293	0.335	-14.3	108	0.00	14.05
85		n-butyl ether	1.105	1.276	-15.5	107	0.00	14.58
86	M	chlorobenzene	0.869	0.937	-7.8	105	0.00	14.59
87	M	1,1,1,2-tetrachloroethane	0.354	0.392	-10.7	107	0.00	14.64
88	M	ethylbenzene	1.371	1.478	-7.8	105	0.00	14.67
89	M	m,p-xylene	0.554	0.616	-11.2	105	0.00	14.79
90	M	o-xylene	0.590	0.668	-13.2	106	0.00	15.23
91	M	styrene	0.966	1.071	-10.9	105	0.00	15.23
92		n-amyl acetate	0.194	0.220	-13.4	109	0.00	15.28
93	M	bromoform	0.285	0.327	-14.7	108	0.00	15.46
94		butyl acrylate	0.544	0.641	-17.8	107	0.00	15.05
95		isopropylbenzene	1.609	1.804	-12.1	106	0.00	15.60

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183596.D

96		cis-1,4-dichloro-2-butene	0.136	0.149	-9.6	106	0.00	15.62
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	17.04
98	S	4-bromofluorobenzene (s)	0.834	0.848	-1.7	106	0.00	15.79
99	M	bromobenzene	0.813	0.914	-12.4	107	0.00	15.99
100	M	1,1,2,2-tetrachloroethane	0.669	0.773	-15.5	109	0.00	15.86
101	M	trans-1,4-dichloro-2-bute	0.174	0.207	-19.0	109	0.00	15.91
102	M	1,2,3-trichloropropane	0.194	0.218	-12.4	112	0.00	15.94
103	M	n-propylbenzene	3.111	3.541	-13.8	106	0.00	16.04
104	M	2-chlorotoluene	0.733	0.837	-14.2	107	0.00	16.18
105	M	4-chlorotoluene	1.962	2.148	-9.5	105	0.00	16.28
106	M	1,3,5-trimethylbenzene	2.353	2.686	-14.2	107	0.00	16.21
107	M	tert-butylbenzene	0.559	0.667	-19.3	107	0.00	16.58
108	M	1,2,4-trimethylbenzene	2.448	2.740	-11.9	105	0.00	16.62
109	M	sec-butylbenzene	3.255	3.728	-14.5	105	0.00	16.81
110	M	1,3-dichlorobenzene	1.530	1.654	-8.1	106	0.00	16.97
111	M	p-isopropyltoluene	2.854	3.263	-14.3	105	0.00	16.94
112	M	1,4-dichlorobenzene	1.501	1.657	-10.4	105	0.00	17.06
113		benzyl chloride	1.371	1.627	-18.7	106	0.00	17.17
114		1,2,3-trimethylbenzene		----------NA----------				
115	M	1,2-dichlorobenzene	1.527	1.774	-16.2	106	0.00	17.48
116	M	n-butylbenzene	1.341	1.580	-17.8	106	0.00	17.38
117		hexachloroethane	0.592	0.704	-18.9	106	0.00	17.79
118	M	1,2-dibromo-3-chloropropa	0.207	0.253	-22.2	112	0.00	18.28
119		1,3,5-trichlorobenzene	1.347	1.643	-22.0	107	0.00	18.53
		----------	True	Calc.	% Drift	----------		
120		2-ethylhexyl acrylate	10.000	11.274	-12.7	106	0.00	19.21
		----------	AvgRF	CCRF	% Dev	----------		
121	M	1,2,4-trichlorobenzene	1.220	1.452	-19.0	104	0.00	19.21
122	M	hexachlorobutadiene	0.626	0.690	-10.2	102	0.00	19.37
123	M	naphthalene	2.332	2.759	-18.3	106	0.00	19.50
124	M	1,2,3-trichlorobenzene	1.030	1.231	-19.5	104	0.00	19.76
		----------	True	Calc.	% Drift	----------		
125		2-methylnaphthalene	25.000	27.223	-8.9	102	0.00	20.73

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2B183591.D M2B8337.M Thu Jun 17 19:02:47 2021

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183597.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V2B8337\2B183597.D Vial: 16
Acq On : 17 Jun 2021 12:12 am Operator: thienn
Sample : icv8337-50 Inst : GCMS2B
Misc : MS51064,V2B8337,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
Last Update : Thu Jun 17 19:00:23 2021
Response via : Multiple Level Calibration

Min. RRF : 0.010 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		tert butyl alcohol-d9	1.000	1.000	0.0	119	0.00	7.75
2	M	tertiary butyl alcohol		-----	NA	-----		
3		ethanol		-----	NA	-----		
4	M	1,4-dioxane		-----	NA	-----		
5	I	pentafluorobenzene	1.000	1.000	0.0	117	0.00	10.26
6	M	chlorodifluoromethane	0.615	0.721	-17.2	118	0.00	4.15
7	M	dichlorodifluoromethane		-----	NA	-----		
8	M	chloromethane		-----	NA	-----		
9	M	vinyl chloride		-----	NA	-----		
10		1,3-butadiene		-----	NA	-----		
11	M	bromomethane		-----	NA	-----		
12	M	chloroethane		-----	NA	-----		
13	M	trichlorofluoromethane		-----	NA	-----		
14	M	ethyl ether		-----	NA	-----		
		-----	True	Calc.	% Drift	-----		
15	M	acrolein		-----	NA	-----		
		-----	AvgRF	CCRF	% Dev	-----		
16		freon 113		-----	NA	-----		
17	M	1,1-dichloroethene		-----	NA	-----		
18	M	acetone		-----	NA	-----		
19	M	acetonitrile	0.040	0.044	-10.0	124	0.01	7.46
20	M	iodomethane		-----	NA	-----		
21	M	carbon disulfide		-----	NA	-----		
22	M	methylene chloride		-----	NA	-----		
23	M	methyl acetate		-----	NA	-----		
24	M	methyl tert butyl ether		-----	NA	-----		
25	M	trans-1,2-dichloroethene		-----	NA	-----		
26	M	di-isopropyl ether		-----	NA	-----		
27	M	2-butanone		-----	NA	-----		
28	M	1,1-dichloroethane		-----	NA	-----		
29	M	chloroprene		-----	NA	-----		
30	M	acrylonitrile	0.090	0.108	-20.0	127	0.01	8.11
31		hexane		-----	NA	-----		
32	M	vinyl acetate		-----	NA	-----		
33	M	ethyl tert-butyl ether		-----	NA	-----		
34	M	ethyl acetate		-----	NA	-----		
35	M	2,2-dichloropropane		-----	NA	-----		
36	M	cis-1,2-dichloroethene		-----	NA	-----		
37		methyl acrylate		-----	NA	-----		

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183597.D

38	M	propionitrile		----------NA----------				
39	M	bromochloromethane		----------NA----------				
40	M	tetrahydrofuran		----------NA----------				
41	M	chloroform		----------NA----------				
42	M	t-butyl formate		----------NA----------				
43	S	dibromofluoromethane (s)	0.447	0.453	-1.3	119	0.00	10.23
44	M	methacrylonitrile		----------NA----------				
45	M	1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		iso-butyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	113	0.00	11.20
52	S	1,2-dichloroethane-d4 (s)	0.346	0.356	-2.9	120	0.00	10.68
53	M	n-butyl alcohol		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55	M	benzene		----------NA----------				
56	M	tert-amyl methyl ether		----------NA----------				
57	M	heptane		----------NA----------				
58	M	isopropyl acetate		----------NA----------				
59	M	1,2-dichloroethane		----------NA----------				
60	M	trichloroethene		----------NA----------				
61		ethyl acrylate		----------NA----------				
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether		----------NA----------				
64	M	methyl methacrylate		----------NA----------				
65	M	1,2-dichloropropane		----------NA----------				
66	M	dibromomethane		----------NA----------				
67	M	methylcyclohexane		----------NA----------				
68	M	bromodichloromethane		----------NA----------				
69		epichlorohydrin		----------NA----------				
70	M	cis-1,3-dichloropropene		----------NA----------				
71	M	4-methyl-2-pentanone		----------NA----------				
72	M	3-methyl-1-butanol		----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	105	0.00	14.55
74	S	toluene-d8 (s)	1.206	1.240	-2.8	109	0.00	12.95
75		toluene		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		ethyl methacrylate		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79	M	tetrachloroethene	0.311	0.357	-14.8	112	0.00	13.67
80	M	1,3-dichloropropane		----------NA----------				
81		2-hexanone		----------NA----------				
82	M	butyl acetate		----------NA----------				
83	M	dibromochloromethane		----------NA----------				
84	M	1,2-dibromoethane		----------NA----------				
85		n-butyl ether		----------NA----------				
86	M	chlorobenzene		----------NA----------				
87	M	1,1,1,2-tetrachloroethane		----------NA----------				
88	M	ethylbenzene		----------NA----------				
89	M	m,p-xylene		----------NA----------				
90	M	o-xylene		----------NA----------				
91	M	styrene		----------NA----------				
92		n-amyl acetate		----------NA----------				
93	M	bromoform		----------NA----------				
94		butyl acrylate		----------NA----------				
95		isopropylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8337-ICV8337
Lab FileID: 2B183597.D

96		cis-1,4-dichloro-2-butene		----------NA----------				
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	17.04
98	S	4-bromofluorobenzene (s)	0.834	0.829	0.6	111	0.00	15.79
99	M	bromobenzene		----------NA----------				
100	M	1,1,2,2-tetrachloroethane		----------NA----------				
101	M	trans-1,4-dichloro-2-bute		----------NA----------				
102	M	1,2,3-trichloropropane		----------NA----------				
103	M	n-propylbenzene		----------NA----------				
104	M	2-chlorotoluene		----------NA----------				
105	M	4-chlorotoluene		----------NA----------				
106	M	1,3,5-trimethylbenzene		----------NA----------				
107	M	tert-butylbenzene		----------NA----------				
108	M	1,2,4-trimethylbenzene		----------NA----------				
109	M	sec-butylbenzene		----------NA----------				
110	M	1,3-dichlorobenzene		----------NA----------				
111	M	p-isopropyltoluene		----------NA----------				
112	M	1,4-dichlorobenzene		----------NA----------				
113		benzyl chloride		----------NA----------				
114		1,2,3-trimethylbenzene	2.393	2.618	-9.4	108	0.00	17.09
115	M	1,2-dichlorobenzene		----------NA----------				
116	M	n-butylbenzene		----------NA----------				
117		hexachloroethane		----------NA----------				
118	M	1,2-dibromo-3-chloropropa		----------NA----------				
119		1,3,5-trichlorobenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
120		2-ethylhexyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
121	M	1,2,4-trichlorobenzene		----------NA----------				
122	M	hexachlorobutadiene		----------NA----------				
123	M	naphthalene		----------NA----------				
124	M	1,2,3-trichlorobenzene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
125		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2B183591.D M2B8337.M Thu Jun 17 19:03:11 2021

Continuing Calibration Summary

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Sample: V2B8421-CC8337
Lab FileID: 2B185528.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\da...b8421 rush\2b185528.d Vial: 1
Acq On : 31 Aug 2021 7:47 am Operator: thienn
Sample : CC8337-50 Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
Last Update : Wed Jul 28 16:07:54 2021
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	7.75
2	M	tertiary butyl alcohol	1.108	1.225	-10.6	103	0.02	7.89
3		ethanol	0.095	0.133	-40.0#	133	0.02	6.36
4	M	1,4-dioxane	0.092	0.125	-35.9#	127	0.00	11.93
5	I	pentafluorobenzene	1.000	1.000	0.0	126	0.00	10.26
6	M	chlorodifluoromethane	0.615	0.599	2.6	106	0.01	4.17
7	M	dichlorodifluoromethane	0.824	0.781	5.2	99	0.00	4.15
8	M	chloromethane	0.769	0.732	4.8	111	0.02	4.57
9	M	vinyl chloride	0.718	0.667	7.1	102	0.02	4.81
10		1,3-butadiene	0.496	0.518	-4.4	117	0.02	4.85
11	M	bromomethane	0.517	0.485	6.2	108	0.02	5.47
12	M	chloroethane	0.355	0.355	0.0	114	0.03	5.64
13	M	trichlorofluoromethane	0.858	0.814	5.1	105	-0.04	6.14
14	M	ethyl ether	0.213	0.204	4.2	107	0.01	6.61
			True	Calc.	% Drift			
15	M	acrolein	50.000	48.557	2.9	114	0.03	6.82
			AvgRF	CCRF	% Dev			
16		freon 113	0.434	0.428	1.4	109	0.02	7.08
17	M	1,1-dichloroethene	0.373	0.381	-2.1	116	0.01	7.04
18	M	acetone	0.097	0.084	13.0	103	0.01	7.03
19	M	acetonitrile	0.040	0.035	12.5	107	0.02	7.46
20	M	iodomethane	0.830	0.833	-0.4	116	0.02	7.31
21	M	carbon disulfide	1.274	1.296	-1.7	117	0.01	7.47
22	M	methylene chloride	0.400	0.431	-7.7	121	0.01	7.79
23	M	methyl acetate	0.265	0.215	18.9	99	0.02	7.61
24	M	methyl tert butyl ether	1.199	1.037	13.5	99	0.00	8.24
25	M	trans-1,2-dichloroethene	0.405	0.414	-2.2	118	0.00	8.25
26	M	di-isopropyl ether	1.221	1.293	-5.9	121	0.00	8.93
27	M	2-butanone	0.036	0.033	7.1	104	0.00	9.59
28	M	1,1-dichloroethane	0.679	0.703	-3.5	117	0.00	8.85
29	M	chloroprene	0.524	0.524	0.0	109	0.00	9.00
30	M	acrylonitrile	0.090	0.099	-10.0	126	0.02	8.12
31		hexane	0.299	0.314	-5.0	114	0.00	8.68
32	M	vinyl acetate	0.074	0.069	6.8	104	0.01	8.87
33	M	ethyl tert-butyl ether	1.334	1.302	2.4	110	0.00	9.44
34	M	ethyl acetate	0.046	0.037	19.6	89	0.01	9.68
35	M	2,2-dichloropropane	0.641	0.622	3.0	111	0.00	9.67
36	M	cis-1,2-dichloroethene	0.429	0.431	-0.5	115	0.00	9.64
37		methyl acrylate	0.286	0.228	20.3#	95	0.01	9.75

Continuing Calibration Summary

Job Number: JD30689 **Sample:** V2B8421-CC8337
Account: ERMNYW ERM, Inc. **Lab FileID:** 2B185528.D
Project: Johnson & Hoffman, Carle Place, NY

38	M	propionitrile	0.045	0.036	20.0#	93	0.00	9.64
39	M	bromochloromethane	0.244	0.242	0.8	114	0.00	9.95
40	M	tetrahydrofuran	0.044	0.037	15.9	103	0.00	10.04
41	M	chloroform	0.494	0.465	5.9	114	0.00	10.03
42	M	t-butyl formate	0.332	0.309	6.9	102	0.00	10.12
43	S	dibromofluoromethane (s)	0.447	0.422	5.6	119	0.00	10.23
44	M	methacrylonitrile	0.136	0.113	16.9	91	0.00	9.88
45	M	1,1,1-trichloroethane	0.665	0.685	-3.0	112	0.00	10.35
46		cyclohexane	0.590	0.599	-1.5	110	0.00	10.47
47		1,1-dichloropropene	0.517	0.503	2.7	109	0.00	10.54
48		iso-butyl alcohol	0.012	0.010	16.7	106	0.00	10.51
49		carbon tetrachloride	0.623	0.615	1.3	112	0.00	10.58
50		tert amyl alcohol	0.012	0.011	8.3	107	0.00	10.66
51	I	1,4-difluorobenzene	1.000	1.000	0.0	122	0.00	11.20
52	S	1,2-dichloroethane-d4 (s)	0.346	0.292	15.6	107	0.00	10.68
53	M	n-butyl alcohol	0.006	0.006#	0.0	107	0.00	11.30
54		2,2,4-trimethylpentane	1.003	1.101	-9.8	118	0.00	10.91
55	M	benzene	1.060	1.110	-4.7	116	0.00	10.80
56	M	tert-amyl methyl ether	0.229	0.212	7.4	105	0.00	10.90
57	M	heptane	0.226	0.242	-7.1	112	0.00	11.09
58	M	isopropyl acetate	0.057	0.050	12.3	100	0.00	10.76
59	M	1,2-dichloroethane	0.405	0.362	10.6	102	0.00	10.77
60	M	trichloroethene	0.345	0.366	-6.1	114	0.00	11.56
61		ethyl acrylate	0.300	0.257	14.3	96	0.00	11.58
62	M	2-nitropropane	0.075	0.055	26.7#	84	0.00	12.30
63	M	2-chloroethyl vinyl ether	0.168	0.119	29.2#	76	0.00	12.38
64	M	methyl methacrylate	0.066	0.060	9.1	99	0.00	11.86
65	M	1,2-dichloropropane	0.287	0.304	-5.9	116	0.00	11.80
66	M	dibromomethane	0.191	0.170	11.0	103	0.00	11.95
67	M	methylcyclohexane	0.536	0.570	-6.3	112	0.00	11.84
68	M	bromodichloromethane	0.418	0.416	0.5	110	0.00	12.10
69		epichlorohydrin	0.025	0.021	16.0	95	0.00	12.47
70	M	cis-1,3-dichloropropene	0.483	0.518	-7.2	116	0.00	12.60
71	M	4-methyl-2-pentanone	0.098	0.090	7.8	102	0.00	12.72
72	M	3-methyl-1-butanol	0.006	0.005#	16.7	97	0.00	12.74
73	I	chlorobenzene-d5	1.000	1.000	0.0	125	0.00	14.55
74	S	toluene-d8 (s)	1.206	1.138	5.6	120	0.00	12.95
75		toluene	0.731	0.732	-0.1	114	0.00	13.02
76		trans-1,3-dichloropropene	0.427	0.432	-1.2	110	0.00	13.19
77		ethyl methacrylate	0.346	0.312	9.8	100	0.00	13.25
78		1,1,2-trichloroethane	0.221	0.207	6.3	107	0.00	13.41
79	M	tetrachloroethene	0.311	0.301	3.2	112	0.00	13.66
80	M	1,3-dichloropropane	0.449	0.411	8.5	106	0.00	13.61
81		2-hexanone	0.086	0.084	2.8	108	0.00	13.63
82	M	butyl acetate	0.165	0.151	8.5	107	0.00	13.75
83	M	dibromochloromethane	0.372	0.350	5.9	108	0.00	13.89
84	M	1,2-dibromoethane	0.293	0.273	6.8	105	0.00	14.05
85		n-butyl ether	1.105	1.190	-7.7	119	0.00	14.57
86	M	chlorobenzene	0.869	0.883	-1.6	118	0.00	14.58
87	M	1,1,1,2-tetrachloroethane	0.354	0.363	-2.5	118	0.00	14.64
88	M	ethylbenzene	1.371	1.353	1.3	115	0.00	14.67
89	M	m,p-xylene	0.554	0.568	-2.5	116	0.00	14.79
90	M	o-xylene	0.590	0.613	-3.9	116	0.00	15.23
91	M	styrene	0.966	0.980	-1.4	115	0.00	15.23
92		n-amyl acetate	0.194	0.187	3.6	110	0.00	15.28
93	M	bromoform	0.285	0.261	8.4	103	0.00	15.46
94		butyl acrylate	0.544	0.503	7.5	100	0.00	15.05
95		isopropylbenzene	1.609	1.594	0.9	112	0.00	15.60

Continuing Calibration Summary

Job Number: JD30689 **Sample:** V2B8421-CC8337
Account: ERMNYW ERM, Inc. **Lab FileID:** 2B185528.D
Project: Johnson & Hoffman, Carle Place, NY

96		cis-1,4-dichloro-2-butene	0.136	0.080	41.2#	68	0.00	15.62
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	126	0.00	17.03
98	S	4-bromofluorobenzene (s)	0.834	0.839	-0.6	124	0.00	15.79
99	M	bromobenzene	0.813	0.872	-7.3	120	0.00	15.99
100	M	1,1,2,2-tetrachloroethane	0.669	0.585	12.6	97	0.00	15.86
101	M	trans-1,4-dichloro-2-bute	0.174	0.119	31.6#	74	0.00	15.91
102	M	1,2,3-trichloropropane	0.194	0.167	13.9	100	0.00	15.94
103	M	n-propylbenzene	3.111	3.253	-4.6	115	0.00	16.04
104	M	2-chlorotoluene	0.733	0.784	-7.0	118	0.00	16.18
105	M	4-chlorotoluene	1.962	2.008	-2.3	115	0.00	16.27
106	M	1,3,5-trimethylbenzene	2.353	2.427	-3.1	114	0.00	16.20
107	M	tert-butylbenzene	0.559	0.595	-6.4	112	0.00	16.57
108	M	1,2,4-trimethylbenzene	2.448	2.536	-3.6	114	0.00	16.62
109	M	sec-butylbenzene	3.255	3.353	-3.0	111	0.00	16.80
110	M	1,3-dichlorobenzene	1.530	1.542	-0.8	117	0.00	16.97
111	M	p-isopropyltoluene	2.854	2.968	-4.0	113	0.00	16.93
112	M	1,4-dichlorobenzene	1.501	1.549	-3.2	116	0.00	17.06
113		benzyl chloride	1.371	1.339	2.3	103	0.00	17.17
114		1,2,3-trimethylbenzene	2.393	2.491	-4.1	113	0.00	17.08
115	M	1,2-dichlorobenzene	1.527	1.602	-4.9	113	0.00	17.47
116	M	n-butylbenzene	1.341	1.438	-7.2	113	0.00	17.37
117		hexachloroethane	0.592	0.656	-10.8	116	0.00	17.78
118	M	1,2-dibromo-3-chloropropa	0.207	0.162	21.7#	84	0.00	18.27
119		1,3,5-trichlorobenzene	1.347	1.579	-17.2	121	0.00	18.53
		----------	True	Calc.	% Drift	----------		
120		2-ethylhexyl acrylate	10.000	7.275	27.2#	77	0.00	19.21
		----------	AvgRF	CCRF	% Dev	----------		
121	M	1,2,4-trichlorobenzene	1.220	1.264	-3.6	106	0.00	19.21
122	M	hexachlorobutadiene	0.626	0.687	-9.7	119	0.00	19.36
123	M	naphthalene	2.332	1.773	24.0#	80	0.00	19.49
124	M	1,2,3-trichlorobenzene	1.030	0.941	8.6	93	0.00	19.76
		----------	True	Calc.	% Drift	----------		
125		2-methylnaphthalene	25.000	9.644	61.4#	39	0.00	20.73
		----------	AvgRF	CCRF	% Dev	----------		
126		pentafluorobenzene(a)	1.000	1.000	0.0	131	0.00	10.26
127		allyl chloride		----------NA----------				
128		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	144	0.00	17.03
129		pentachloroethane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2B183591.D M2B8337.M Tue Aug 31 14:13:32 2021

Run Sequence Report

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2B8337	**Method:** SW846 8260D	**Instrument ID:** GCMS2B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2B8337-BFB	2B183583.D	06/16/21 17:26	n/a	BFB Tune
V2B8337-IC8337	2B183584.D	06/16/21 17:57	n/a	Initial cal 0.2
V2B8337-IC8337	2B183585.D	06/16/21 18:26	n/a	Initial cal 0.5
V2B8337-IC8337	2B183586.D	06/16/21 18:55	n/a	Initial cal 1
V2B8337-IC8337	2B183587.D	06/16/21 19:24	n/a	Initial cal 2
V2B8337-IC8337	2B183588.D	06/16/21 19:53	n/a	Initial cal 4
V2B8337-IC8337	2B183589.D	06/16/21 20:22	n/a	Initial cal 8
V2B8337-IC8337	2B183590.D	06/16/21 20:51	n/a	Initial cal 20
V2B8337-ICC8337	2B183591.D	06/16/21 21:20	n/a	Initial cal 50
V2B8337-IC8337	2B183592.D	06/16/21 21:48	n/a	Initial cal 100
V2B8337-IC8337	2B183593.D	06/16/21 22:17	n/a	Initial cal 200
V2B8337-ICV8337	2B183596.D	06/16/21 23:44	n/a	Initial cal verification 50
V2B8337-ICV8337	2B183597.D	06/17/21 00:12	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD30689
Account: ERMNYW ERM, Inc.
Project: Johnson & Hoffman, Carle Place, NY

Run ID: V2B8421	**Method:** SW846 8260D	**Instrument ID:** GCMS2B

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2B8421-BFB	2B185528.D	08/31/21 07:47	n/a	BFB Tune
V2B8421-CC8337	2B185528.D	08/31/21 07:47	n/a	Continuing cal 50
V2B8421-BS	2B185531.D	08/31/21 10:02	n/a	Blank Spike
V2B8421-MB	2B185533.D	08/31/21 11:20	n/a	Method Blank
JD30727-1	2B185534.D	08/31/21 12:03	n/a	(used for QC only; not part of job JD30689)
JD30727-2	2B185535.D	08/31/21 12:32	n/a	(used for QC only; not part of job JD30689)
ZZZZZZ	2B185536.D	08/31/21 13:01	n/a	(unrelated sample)
ZZZZZZ	2B185537.D	08/31/21 13:31	n/a	(unrelated sample)
ZZZZZZ	2B185538.D	08/31/21 14:00	n/a	(unrelated sample)
ZZZZZZ	2B185539.D	08/31/21 14:29	n/a	(unrelated sample)
JD30727-1MS	2B185540.D	08/31/21 14:59	n/a	Matrix Spike
JD30727-2DUP	2B185542.D	08/31/21 15:58	n/a	Duplicate
ZZZZZZ	2B185543.D	08/31/21 16:27	n/a	(unrelated sample)
ZZZZZZ	2B185544.D	08/31/21 16:56	n/a	(unrelated sample)
JD30689-1	2B185545.D	08/31/21 17:26	n/a	MW-06S
JD30689-2	2B185546.D	08/31/21 17:55	n/a	DUP082721
JD30689-3	2B185547.D	08/31/21 18:25	n/a	TB082721
JD30689-4	2B185548.D	08/31/21 18:54	n/a	FB082721
ZZZZZZ	2B185549.D	08/31/21 19:23	n/a	(unrelated sample)
ZZZZZZ	2B185550.D	08/31/21 19:53	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185545.d
Acq On : 31 Aug 2021 5:26 pm
Operator : thienn
Sample : JD30689-1 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:31:28 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

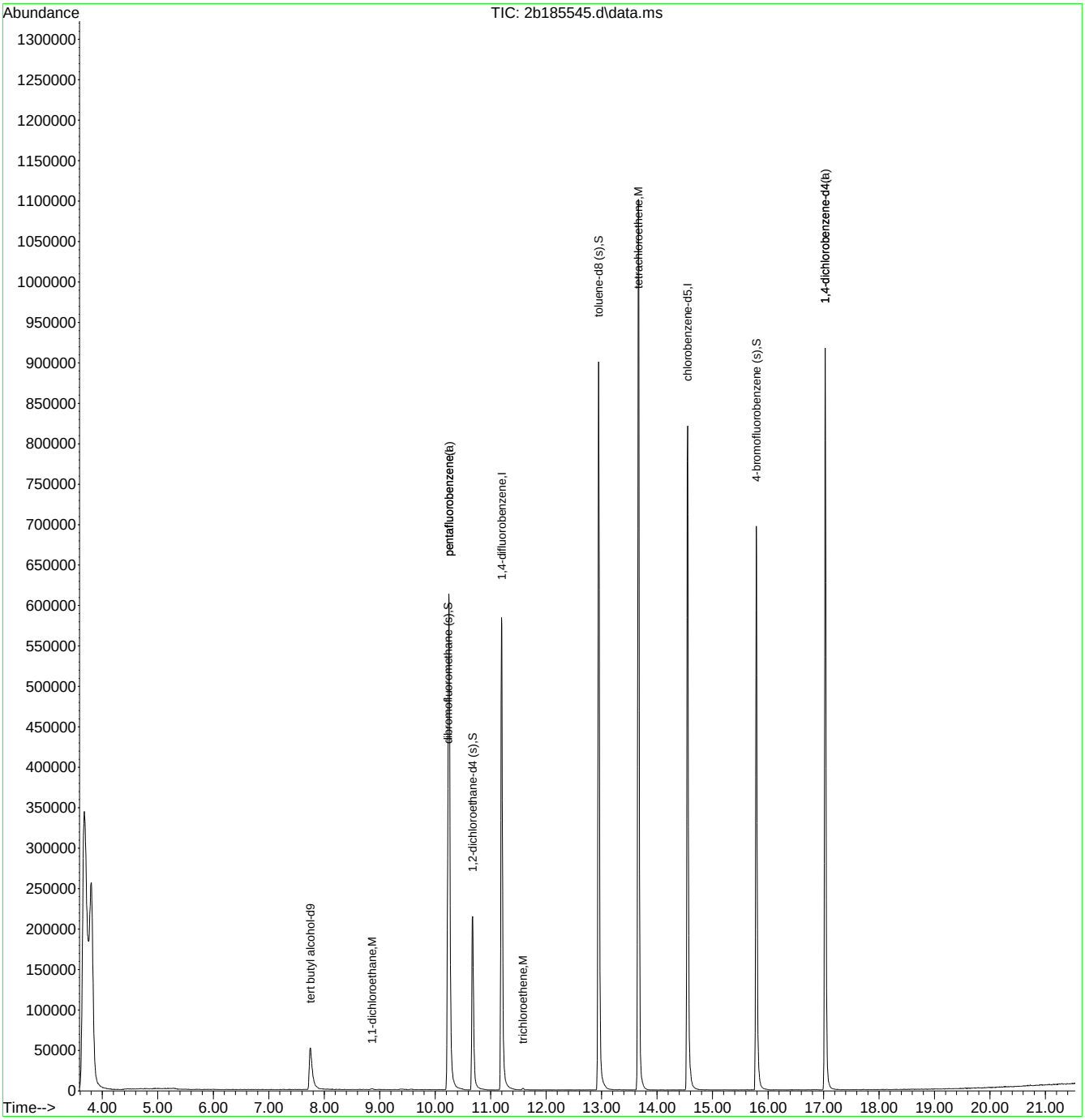
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	117702	500.00	ug/L	0.00
5) pentafluorobenzene	10.251	168	447393	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	592469	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	558452	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	300175	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.251	168	447393	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	300175	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	198824	49.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.46%			
52) 1,2-dichloroethane-d4 (s)	10.676	65	184305	44.93	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.86%			
74) toluene-d8 (s)	12.946	98	678266	50.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.72%			
98) 4-bromofluorobenzene (s)	15.787	95	249349	49.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.62%			
Target Compounds						Qvalue
28) 1,1-dichloroethane	8.861	63	1894	0.31	ug/L	83
60) trichloroethene	11.583	130	1074	0.26	ug/L	89
79) tetrachloroethene	13.664	164	298691	86.06	ug/L	99

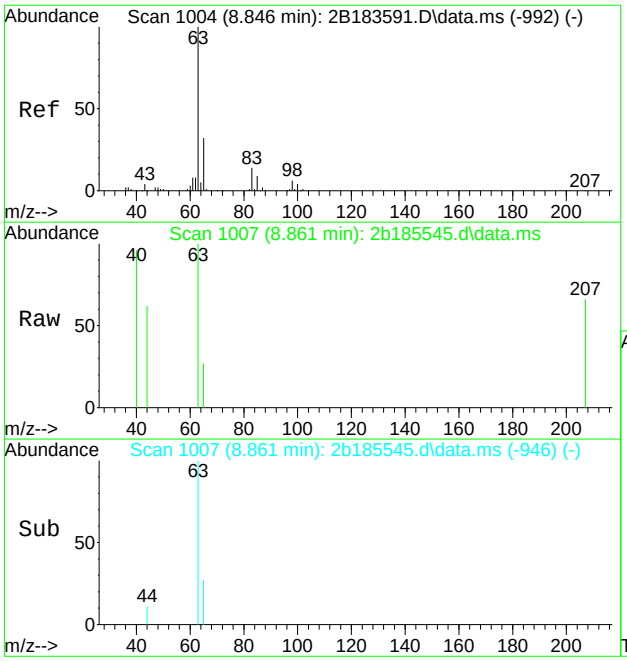
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185545.d
Acq On : 31 Aug 2021 5:26 pm
Operator : thienn
Sample : JD30689-1 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:31:28 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

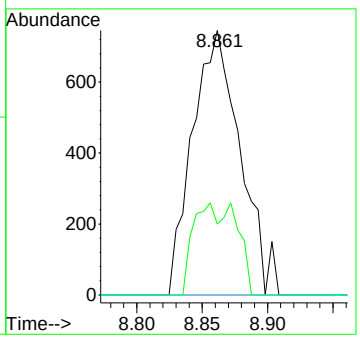


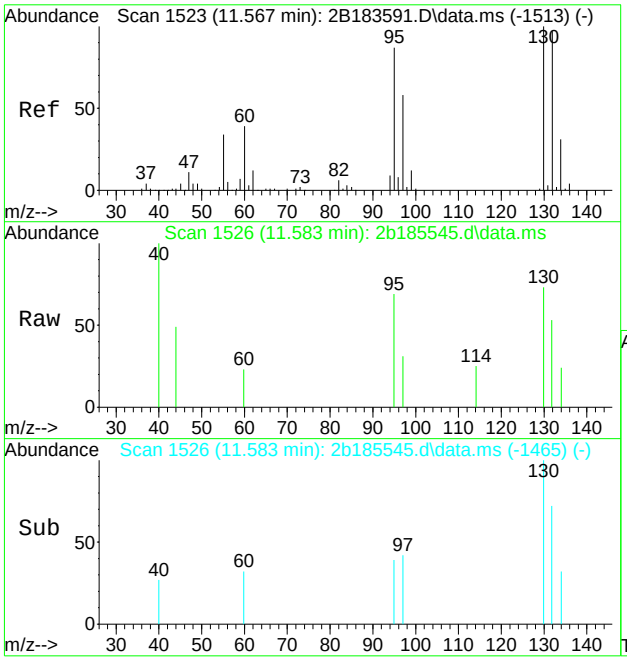


#28
1,1-dichloroethane
Concen: 0.31 ug/L
RT: 8.861 min Scan# 1007
Delta R.T. 0.021 min
Lab File: 2b185545.d
Acq: 31 Aug 2021 5:26 pm

Tgt Ion: 63 Resp: 1894

Ion	Ratio	Lower	Upper
63	100		
65	26.8	2.1	62.1
83	0.0	0.0	44.4

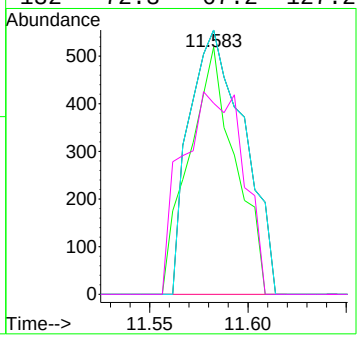


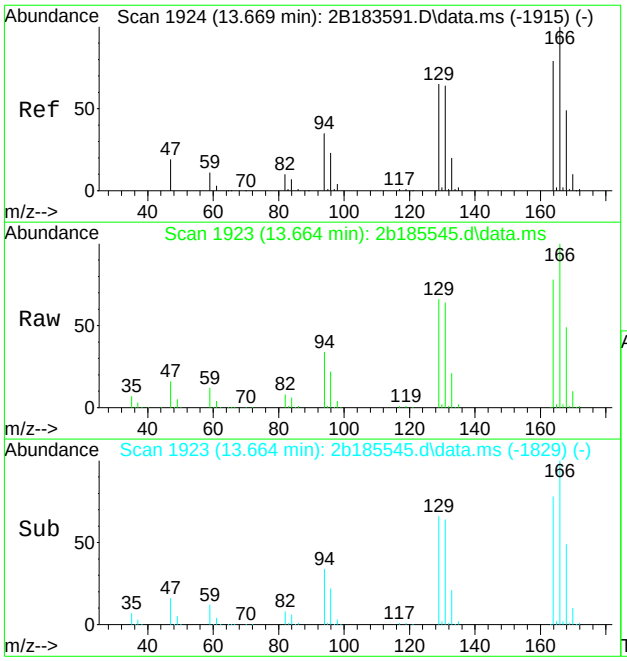


#60
trichloroethene
Concen: 0.26 ug/L
RT: 11.583 min Scan# 1526
Delta R.T. 0.021 min
Lab File: 2b185545.d
Acq: 31 Aug 2021 5:26 pm

Tgt Ion:130 Resp: 1074

Ion	Ratio	Lower	Upper
130	100		
95	93.5	56.8	116.8
130	100.0	70.0	130.0
132	72.3	67.2	127.2

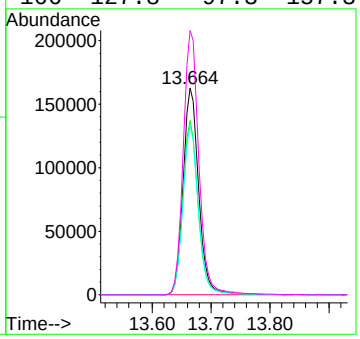




#79
tetrachloroethene
Concen: 86.06 ug/L
RT: 13.664 min Scan# 1923
Delta R.T. -0.005 min
Lab File: 2b185545.d
Acq: 31 Aug 2021 5:26 pm

Tgt Ion:164 Resp: 298691

Ion	Ratio	Lower	Upper
164	100		
129	84.3	52.8	112.8
131	82.0	51.2	111.2
166	127.8	97.3	157.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185546.d
Acq On : 31 Aug 2021 5:55 pm
Operator : thienn
Sample : JD30689-2 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:03 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

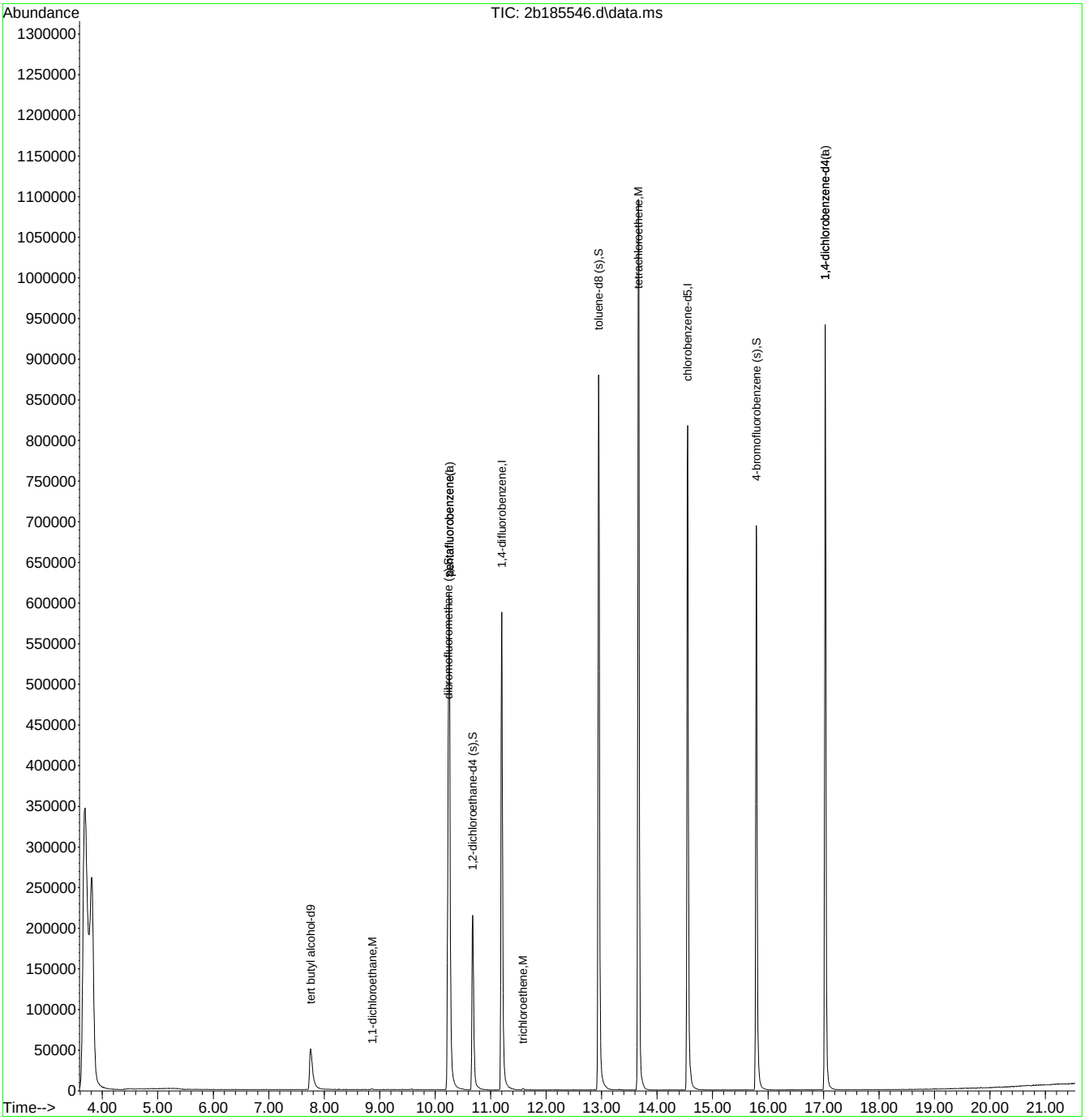
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.755	65	117429	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	443711	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	593363	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	559761	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	299774	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.256	168	443711	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	299774	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	198276	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	181933	44.29	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 88.58%			
74) toluene-d8 (s)	12.946	98	678209	50.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.48%			
98) 4-bromofluorobenzene (s)	15.787	95	249757	49.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.92%			
Target Compounds						Qvalue
28) 1,1-dichloroethane	8.867	63	1710	0.28	ug/L	80
60) trichloroethene	11.583	130	838	0.20	ug/L	91
79) tetrachloroethene	13.664	164	304232	87.45	ug/L	100

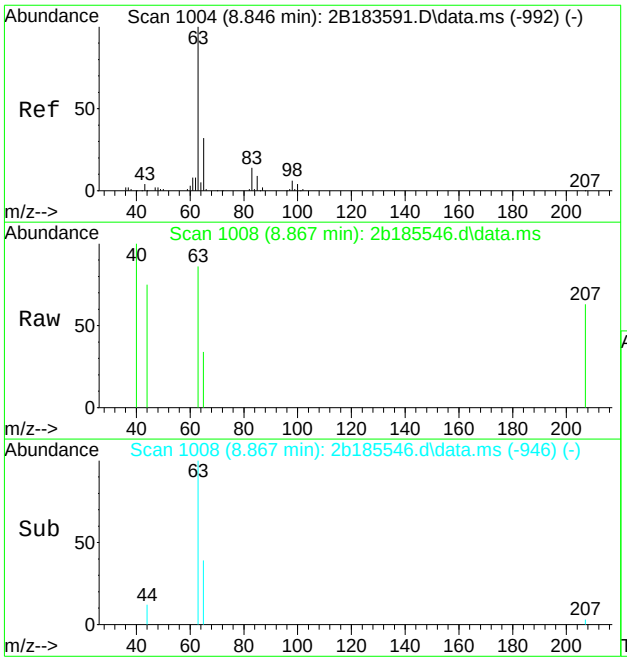
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185546.d
Acq On : 31 Aug 2021 5:55 pm
Operator : thienn
Sample : JD30689-2 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:03 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

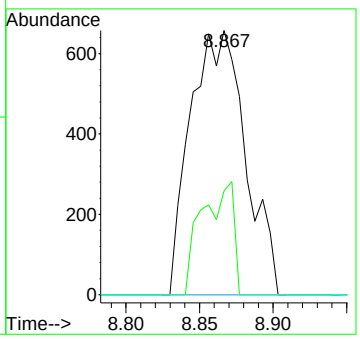


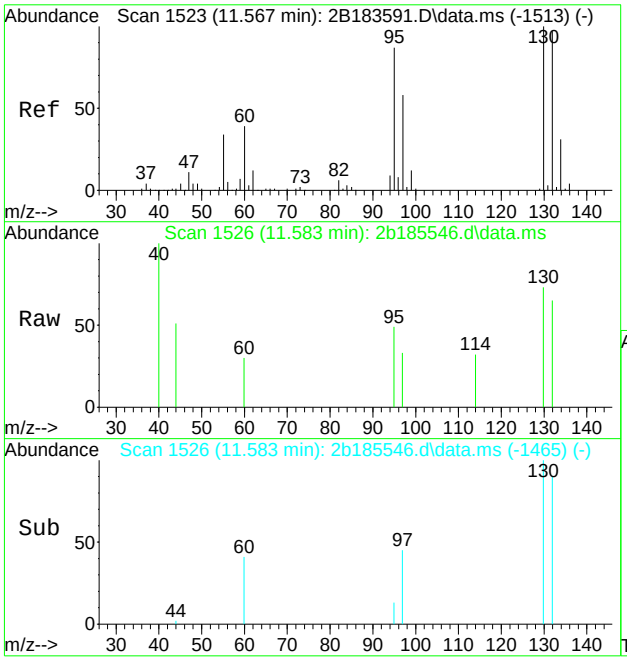


#28
1,1-dichloroethane
Concen: 0.28 ug/L
RT: 8.867 min Scan# 1008
Delta R.T. 0.026 min
Lab File: 2b185546.d
Acq: 31 Aug 2021 5:55 pm

Tgt Ion: 63 Resp: 1710

Ion	Ratio	Lower	Upper
63	100		
65	39.2	2.1	62.1
83	0.0	0.0	44.4

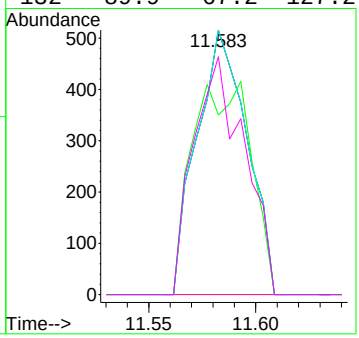


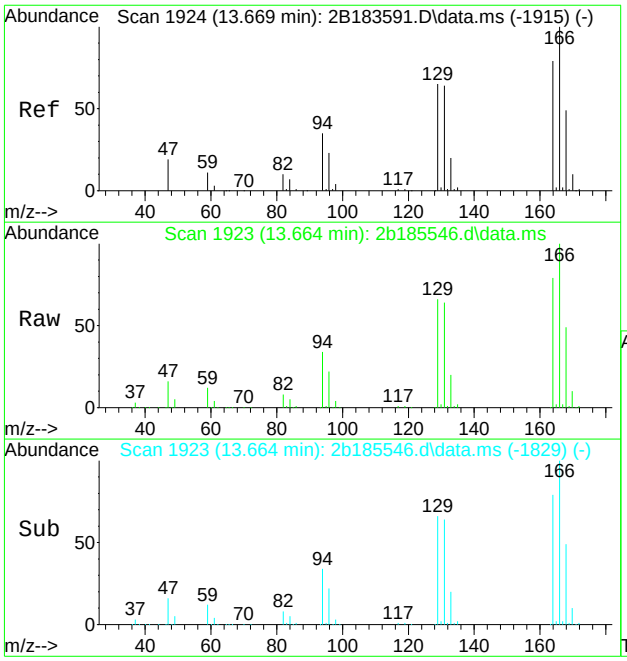


#60
trichloroethene
Concen: 0.20 ug/L
RT: 11.583 min Scan# 1526
Delta R.T. 0.021 min
Lab File: 2b185546.d
Acq: 31 Aug 2021 5:55 pm

Tgt Ion:130 Resp: 838

Ion	Ratio	Lower	Upper
130	100		
95	67.8	56.8	116.8
130	100.0	70.0	130.0
132	89.9	67.2	127.2

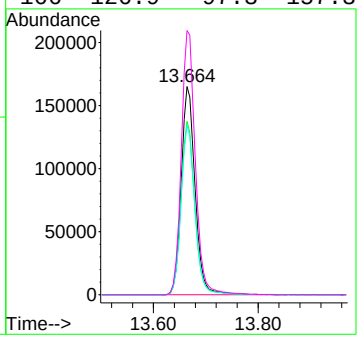




#79
tetrachloroethene
Concen: 87.45 ug/L
RT: 13.664 min Scan# 1923
Delta R.T. -0.005 min
Lab File: 2b185546.d
Acq: 31 Aug 2021 5:55 pm

Tgt Ion:164 Resp: 304232

Ion	Ratio	Lower	Upper
164	100		
129	83.3	52.8	112.8
131	81.3	51.2	111.2
166	126.9	97.3	157.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185547.d
Acq On : 31 Aug 2021 6:25 pm
Operator : thienn
Sample : JD30689-3 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:26 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

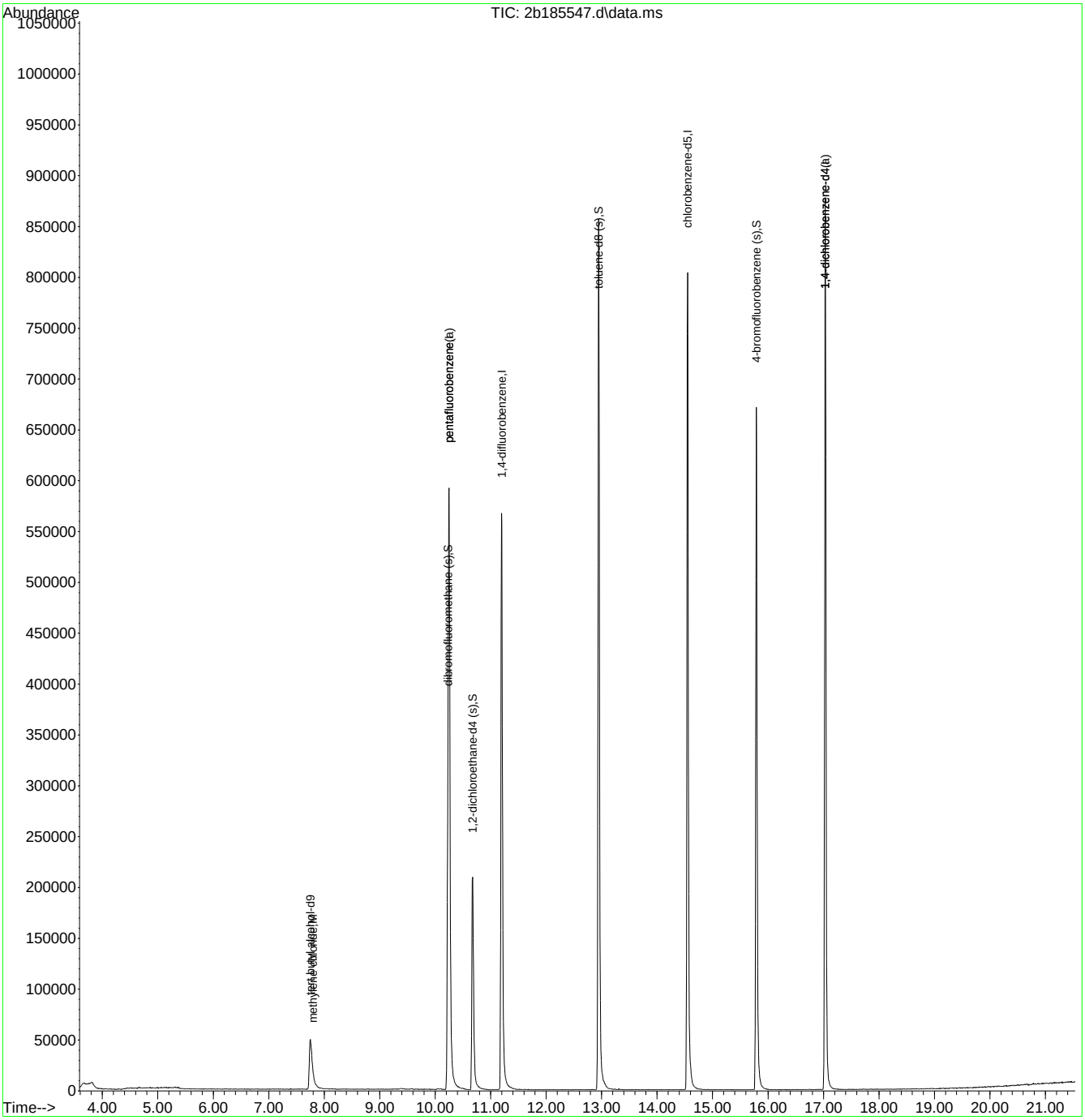
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	112527	500.00	ug/L	0.00
5) pentafluorobenzene	10.251	168	429983	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	572854	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	546334	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	285953	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.251	168	429983	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	285953	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	193469	50.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.70%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	176630	44.53	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.06%			
74) toluene-d8 (s)	12.946	98	656133	49.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.60%			
98) 4-bromofluorobenzene (s)	15.787	95	238505	50.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.02%			
Target Compounds						Qvalue
22) methylene chloride	7.792	84	934	0.27	ug/L	# 77

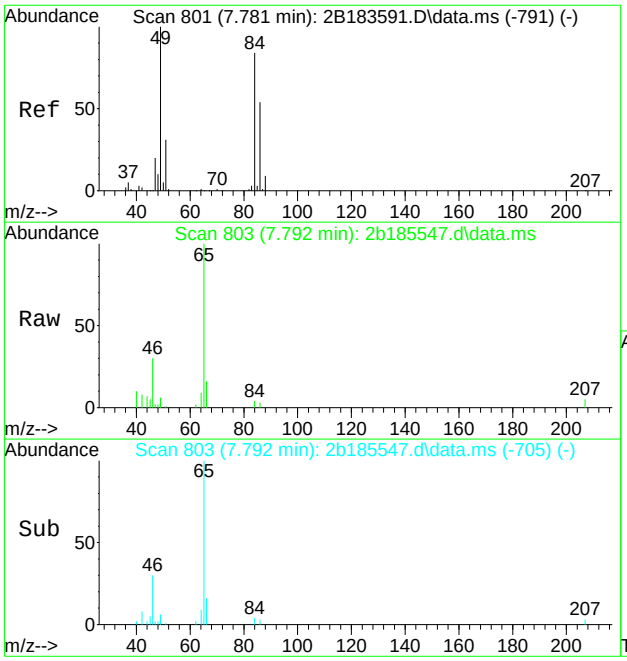
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185547.d
Acq On : 31 Aug 2021 6:25 pm
Operator : thienn
Sample : JD30689-3 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:26 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

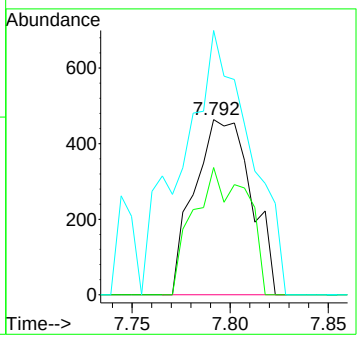




#22
methylene chloride
Concen: 0.27 ug/L
RT: 7.792 min Scan# 803
Delta R.T. 0.016 min
Lab File: 2b185547.d
Acq: 31 Aug 2021 6:25 pm

Tgt Ion: 84 Resp: 934

Ion	Ratio	Lower	Upper
84	100		
86	72.6	34.1	94.1
49	150.9	88.6	148.6#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185548.d
Acq On : 31 Aug 2021 6:54 pm
Operator : thienn
Sample : JD30689-4 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:49 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

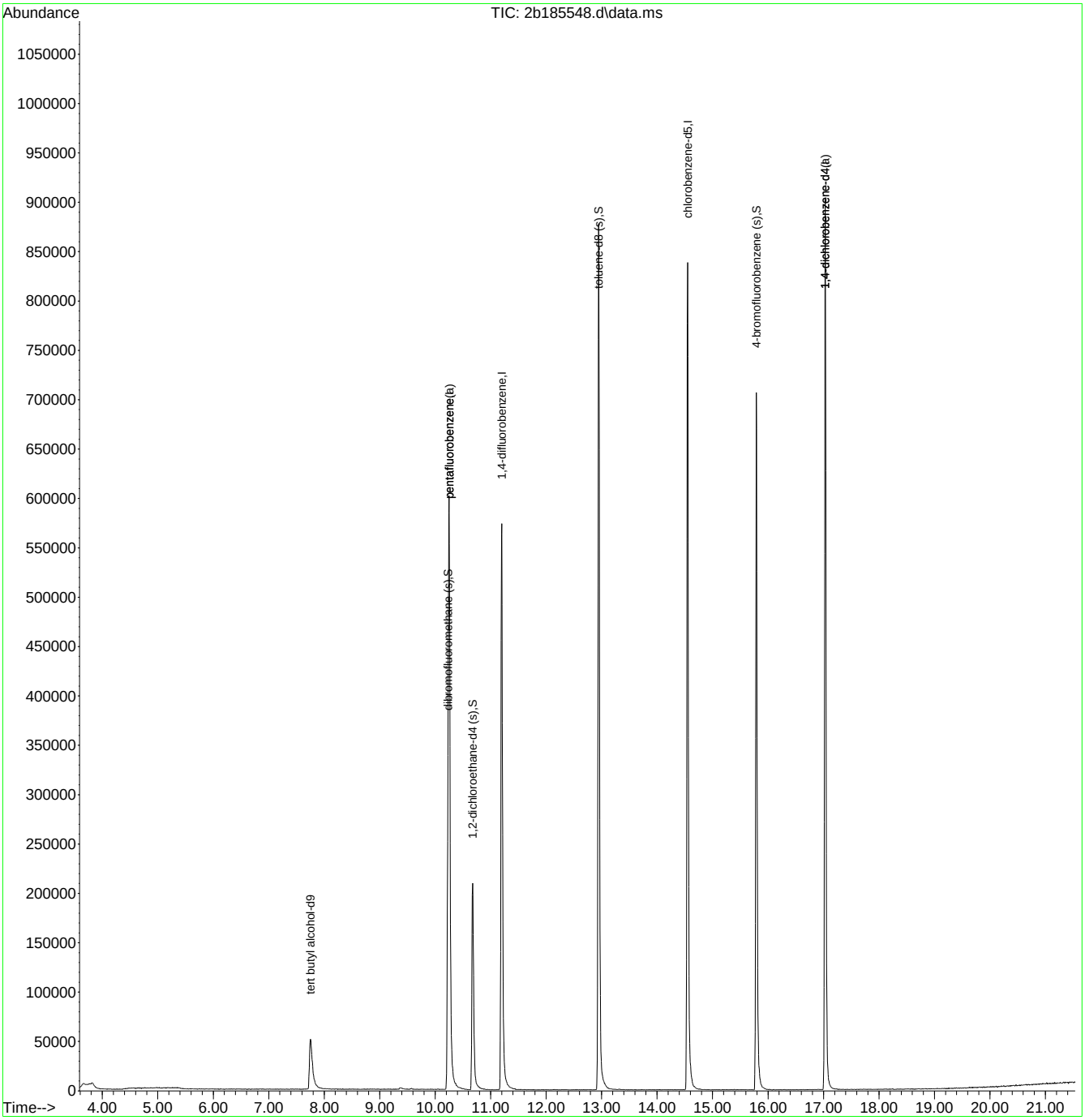
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	118409	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	440178	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	583222	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	569686	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	301610	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.256	168	440178	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	301610	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	195973	49.82	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.64%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	177279	43.90	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 87.80%			
74) toluene-d8 (s)	12.946	98	672381	48.94	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.88%			
98) 4-bromofluorobenzene (s)	15.787	95	250131	49.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.46%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185548.d
Acq On : 31 Aug 2021 6:54 pm
Operator : thienn
Sample : JD30689-4 Inst : GCMS2B
Misc : MS53281,V2B8421,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:32:49 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185533.d
Acq On : 31 Aug 2021 11:20 am
Operator : thienn
Sample : MB Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:08:47 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

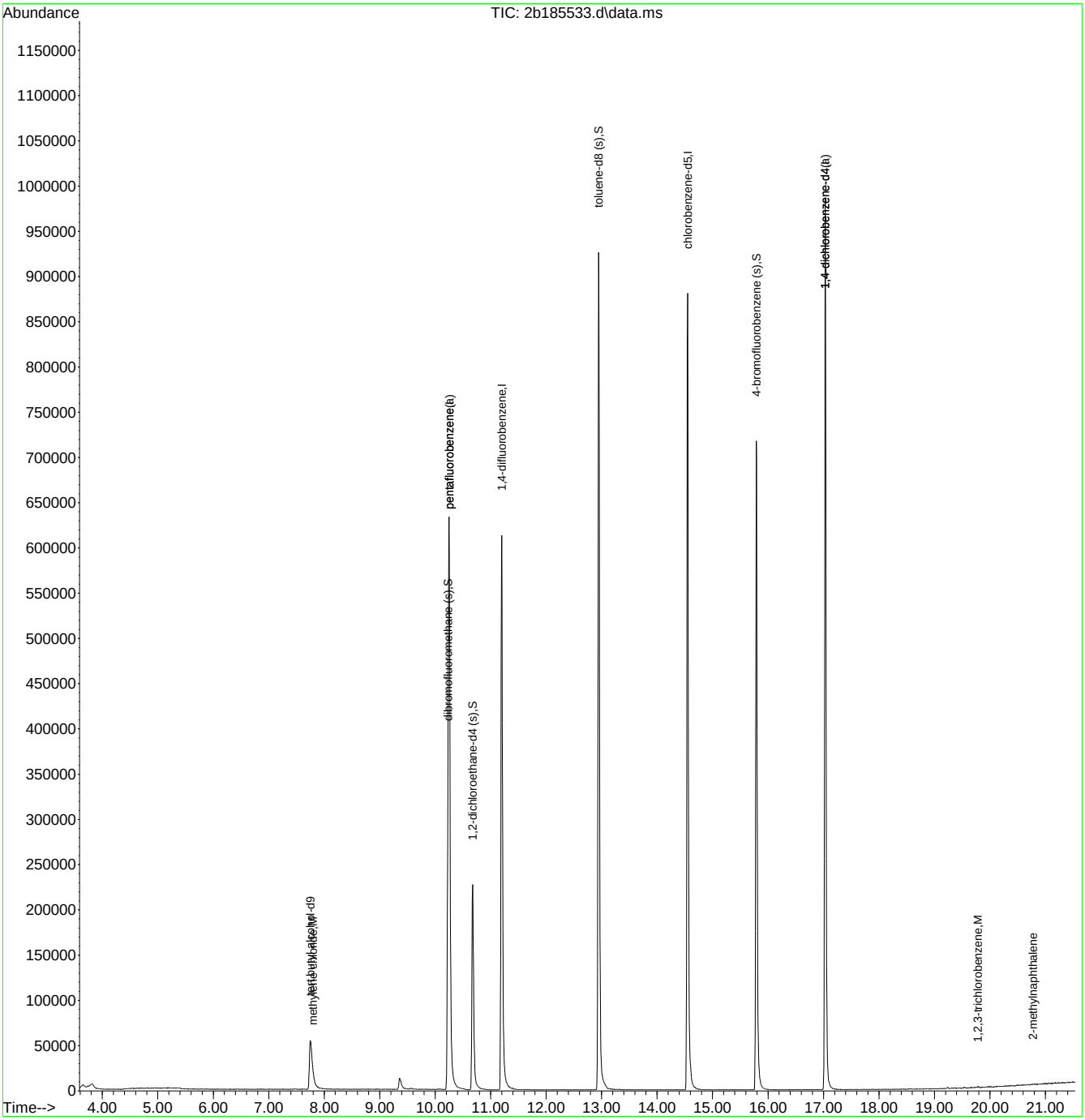
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	127178	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	464031	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	617258	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	594753	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	316490	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.256	168	464031	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	316490	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	205969	49.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.34%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	189936	44.44	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 88.88%			
74) toluene-d8 (s)	12.946	98	709072	49.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.88%			
98) 4-bromofluorobenzene (s)	15.787	95	262987	49.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.66%			
Target Compounds						Qvalue
22) methylene chloride	7.797	84	1176	0.32	ug/L	75
124) 1,2,3-trichlorobenzene	19.782	180	706	0.11	ug/L	87
125) 2-methylnaphthalene	20.773	142	331	1.11	ug/L #	15

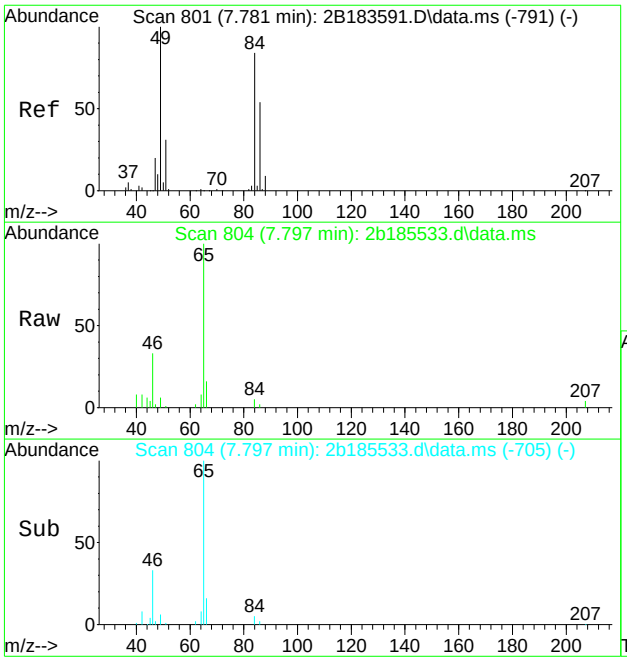
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185533.d
Acq On : 31 Aug 2021 11:20 am
Operator : thienn
Sample : MB Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:08:47 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

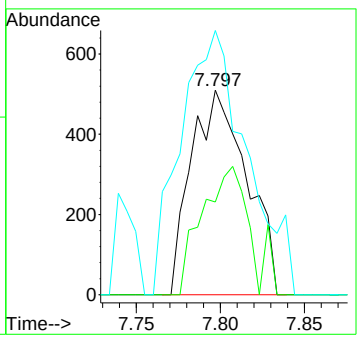


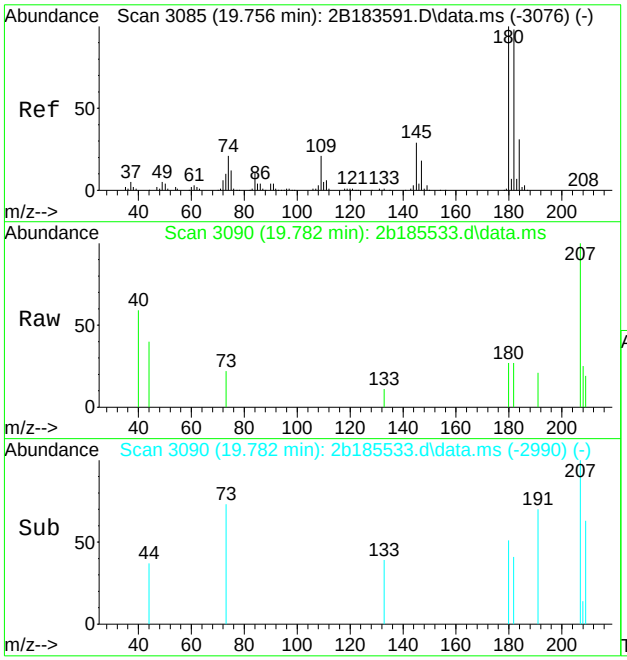


#22
methylene chloride
Concen: 0.32 ug/L
RT: 7.797 min Scan# 804
Delta R.T. 0.021 min
Lab File: 2b185533.d
Acq: 31 Aug 2021 11:20 am

Tgt Ion: 84 Resp: 1176

Ion	Ratio	Lower	Upper
84	100		
86	45.3	34.1	94.1
49	90.2	88.6	148.6

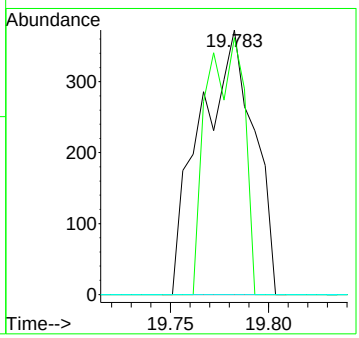


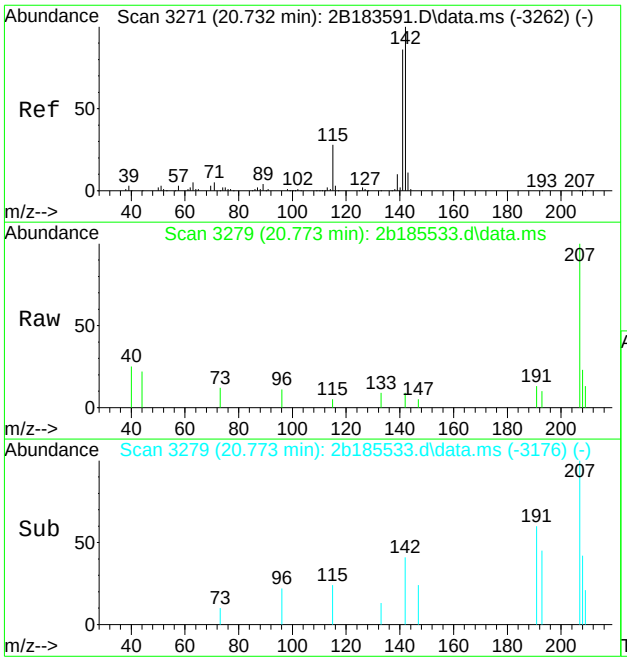


#124
1,2,3-trichlorobenzene
Concen: 0.11 ug/L
RT: 19.782 min Scan# 3090
Delta R.T. 0.026 min
Lab File: 2b185533.d
Acq: 31 Aug 2021 11:20 am

Tgt Ion:180 Resp: 706

Ion	Ratio	Lower	Upper
180	100		
182	97.1	68.2	128.2
145	0.0	0.0	58.6

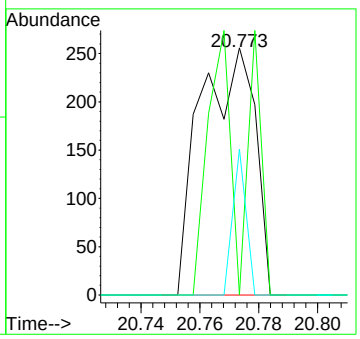




#125
2-methylnaphthalene
Concen: 1.11 ug/L
RT: 20.773 min Scan# 3279
Delta R.T. 0.042 min
Lab File: 2b185533.d
Acq: 31 Aug 2021 11:20 am

Tgt Ion:142 Resp: 331

Ion	Ratio	Lower	Upper
142	100		
141	0.0	66.0	106.0#
115	59.0	8.1	48.1#



7.2.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185531.d
Acq On : 31 Aug 2021 10:02 am
Operator : thienn
Sample : BS Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:09:56 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.755	65	111809	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	425830	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	572889	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	583293	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	308163	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.256	168	425830	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	308163	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	181011	47.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.14%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	165891	41.82	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 83.64%			
74) toluene-d8 (s)	12.945	98	652572	46.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.78%			
98) 4-bromofluorobenzene (s)	15.787	95	258732	50.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.68%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.886	59	67503	272.41	ug/L	99
3) ethanol	6.355	45	154444	7291.13	ug/L	97
4) 1,4-dioxane	11.934	88	36576	1785.54	ug/L	88
6) chlorodifluoromethane	4.163	51	256357	48.94	ug/L	98
7) dichlorodifluoromethane	4.148	85	334682	47.68	ug/L	100
8) chloromethane	4.567	50	311054	47.51	ug/L	99
9) vinyl chloride	4.808	62	286929	46.95	ug/L	99
10) 1,3-butadiene	4.850	54	220493	52.23	ug/L	99
11) bromomethane	5.464	94	205837	46.76	ug/L	97
12) chloroethane	5.642	64	155184	51.31	ug/L	96
13) trichlorofluoromethane	6.130	101	353675	48.38	ug/L	95
14) ethyl ether	6.612	74	87673	48.33	ug/L	97
15) acrolein	6.811	56	27908	47.31	ug/L	87
16) freon 113	7.084	151	184751	49.98	ug/L	99
17) 1,1-dichloroethene	7.042	96	166810	52.52	ug/L	94
18) acetone	7.031	43	407790	493.15	ug/L	96
19) acetonitrile	7.461	41	155261	452.58	ug/L	100
20) iodomethane	7.304	142	359906	50.90	ug/L	99
21) carbon disulfide	7.472	76	563700	51.96	ug/L	96
22) methylene chloride	7.786	84	187796	55.14	ug/L	97
23) methyl acetate	7.608	43	93940	41.65	ug/L	99
24) methyl tert butyl ether	8.242	73	451677	44.22	ug/L	99
25) trans-1,2-dichloroethene	8.248	96	178974	51.95	ug/L	98
26) di-isopropyl ether	8.935	45	556954	53.54	ug/L	96
27) 2-butanone	9.590	72	159424	517.41	ug/L	96
28) 1,1-dichloroethane	8.840	63	303368	52.46	ug/L	98
29) chloroprene	8.997	53	227318	50.97	ug/L	94
30) acrylonitrile	8.122	52	42300	54.98	ug/L	95
31) hexane	8.678	56	134573	52.86	ug/L	97
32) vinyl acetate	8.872	86	28990	46.24	ug/L	95
33) ethyl tert-butyl ether	9.438	59	561106	49.41	ug/L	99
34) ethyl acetate	9.679	45	16152	41.67	ug/L	92
35) 2,2-dichloropropane	9.674	77	261450	47.92	ug/L	93
36) cis-1,2-dichloroethene	9.637	96	186016	50.97	ug/L	97
37) methyl acrylate	9.752	55	96731	39.76	ug/L	99
38) propionitrile	9.637	54	152343	399.86	ug/L	98
39) bromochloromethane	9.952	128	103289	49.75	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185531.d
Acq On : 31 Aug 2021 10:02 am
Operator : thienn
Sample : BS Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:09:56 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) tetrahydrofuran	10.041	72	15095	40.35	ug/L		97
41) chloroform	10.030	85	199226	47.31	ug/L		98
42) t-butyl formate	10.114	59	131846	46.59	ug/L		96
44) methacrylonitrile	9.878	67	48669	41.87	ug/L		96
45) 1,1,1-trichloroethane	10.345	97	298566	52.74	ug/L		97
46) cyclohexane	10.466	84	261884	52.08	ug/L		86
47) 1,1-dichloropropene	10.544	75	216719	49.20	ug/L		98
48) iso-butyl alcohol	10.507	43	44250	438.74	ug/L		96
49) carbon tetrachloride	10.581	117	265944	50.15	ug/L		99
50) tert amyl alcohol	10.665	55	23797	226.65	ug/L		87
53) n-butyl alcohol	11.304	56	161831	2336.66	ug/L		99
54) 2,2,4-trimethylpentane	10.906	57	634079	55.18	ug/L		95
55) benzene	10.801	78	635658	52.36	ug/L		99
56) tert-amyl methyl ether	10.895	87	122640	46.75	ug/L		98
57) heptane	11.089	71	135564	52.34	ug/L		99
58) isopropyl acetate	10.759	87	28457	43.95	ug/L	#	87
59) 1,2-dichloroethane	10.770	62	207420	44.70	ug/L		98
60) trichloroethene	11.561	130	211412	53.49	ug/L		99
61) ethyl acrylate	11.577	55	146249	42.48	ug/L		100
62) 2-nitropropane	12.301	41	31081	36.25	ug/L		96
63) 2-chloroethyl vinyl ether	12.379	63	340751	176.84	ug/L		99
64) methyl methacrylate	11.860	100	34247	45.34	ug/L	#	85
65) 1,2-dichloropropane	11.803	63	174673	53.19	ug/L		100
66) dibromomethane	11.944	93	97670	44.54	ug/L		97
67) methylcyclohexane	11.844	83	330004	53.70	ug/L		98
68) bromodichloromethane	12.096	83	238187	49.75	ug/L		96
69) epichlorohydrin	12.468	57	59696	204.44	ug/L		98
70) cis-1,3-dichloropropene	12.605	75	291667	52.72	ug/L		94
71) 4-methyl-2-pentanone	12.720	58	573044	510.16	ug/L		90
72) 3-methyl-1-butanol	12.736	70	59506	891.87	ug/L		90
75) toluene	13.024	92	422286	49.49	ug/L		100
76) trans-1,3-dichloropropene	13.192	75	246536	49.46	ug/L		98
77) ethyl methacrylate	13.244	69	181806	45.04	ug/L		98
78) 1,1,2-trichloroethane	13.412	83	120242	46.59	ug/L		97
79) tetrachloroethene	13.664	164	173515	47.86	ug/L		96
80) 1,3-dichloropropane	13.611	76	237331	45.32	ug/L		89
81) 2-hexanone	13.632	58	539836	535.79	ug/L		94
82) butyl acetate	13.748	56	86303	44.74	ug/L		99
83) dibromochloromethane	13.889	129	202874	46.73	ug/L		99
84) 1,2-dibromoethane	14.052	107	159822	46.82	ug/L		99
85) n-butyl ether	14.571	57	695956	53.97	ug/L		98
86) chlorobenzene	14.581	112	517335	51.03	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.644	131	211936	51.29	ug/L		99
88) ethylbenzene	14.670	91	788668	49.32	ug/L		99
89) m,p-xylene	14.786	106	661605	102.42	ug/L		96
90) o-xylene	15.226	106	359179	52.19	ug/L		97
91) styrene	15.226	104	571104	50.67	ug/L		99
92) n-amyl acetate	15.284	70	106205	46.85	ug/L		98
93) bromoform	15.462	173	152761	46.00	ug/L		98
94) butyl acrylate	15.053	55	290299	45.75	ug/L		99
95) isopropylbenzene	15.604	105	930583	49.58	ug/L		99
96) cis-1,4-dichloro-2-butene	15.619	88	49844	31.49	ug/L		97
99) bromobenzene	15.992	156	272089	54.33	ug/L		96
100) 1,1,2,2-tetrachloroethane	15.861	83	178515	43.31	ug/L		99
101) trans-1,4-dichloro-2-b...	15.908	53	38885	36.34	ug/L		100
102) 1,2,3-trichloropropane	15.939	110	51547	43.11	ug/L		99
103) n-propylbenzene	16.039	91	997014	52.00	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185531.d
Acq On : 31 Aug 2021 10:02 am
Operator : thienn
Sample : BS Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:09:56 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

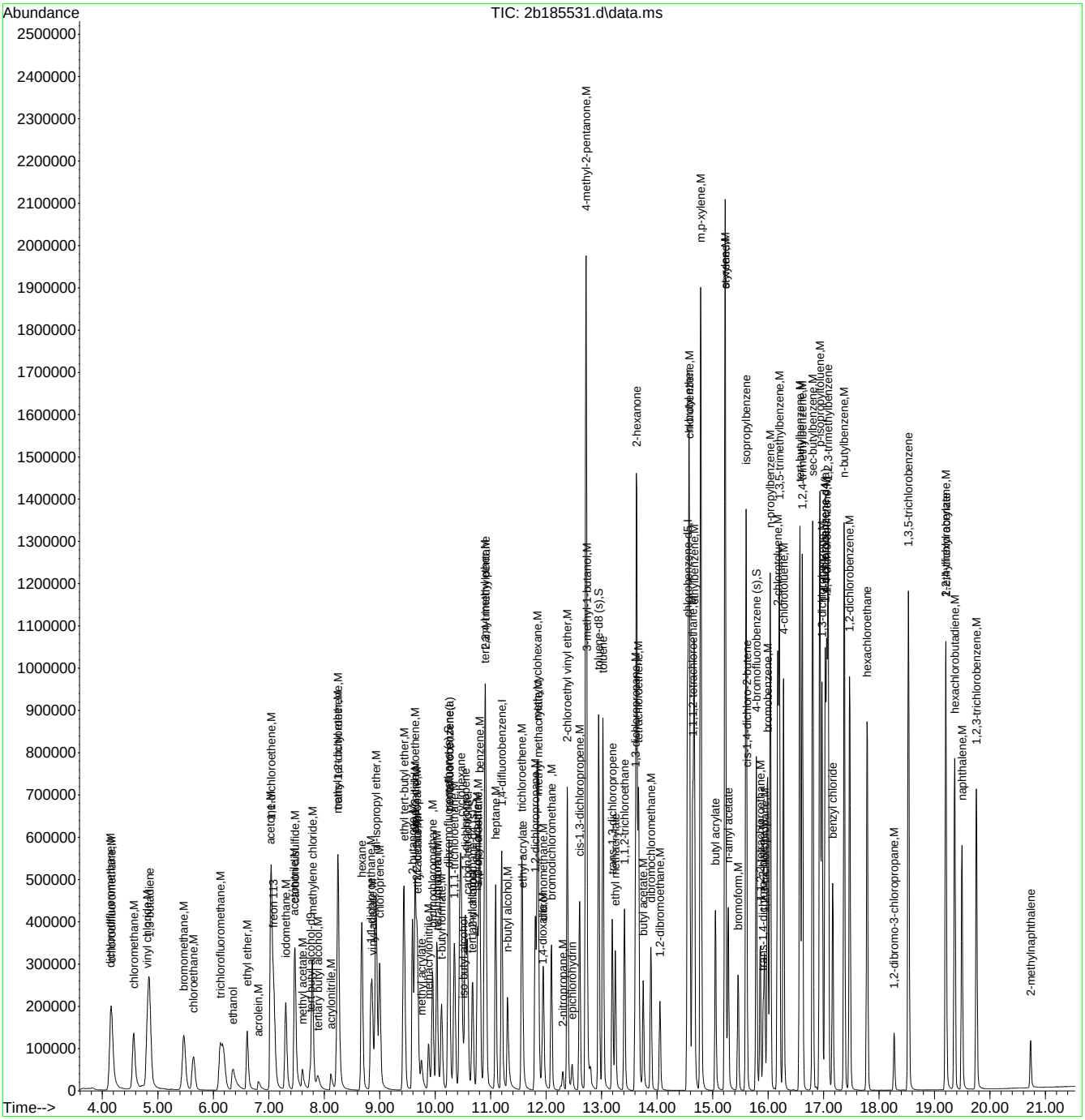
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 2-chlorotoluene	16.175	126	240504	53.22	ug/L	94
105) 4-chlorotoluene	16.280	91	617206	51.05	ug/L	97
106) 1,3,5-trimethylbenzene	16.201	105	738863	50.96	ug/L	99
107) tert-butylbenzene	16.574	134	180429	52.36	ug/L	95
108) 1,2,4-trimethylbenzene	16.616	105	781587	51.81	ug/L	99
109) sec-butylbenzene	16.804	105	1028516	51.27	ug/L	99
110) 1,3-dichlorobenzene	16.972	146	478680	50.78	ug/L	99
111) p-isopropyltoluene	16.935	119	906599	51.54	ug/L	98
112) 1,4-dichlorobenzene	17.056	146	476964	51.56	ug/L	99
113) benzyl chloride	17.166	91	386562	45.73	ug/L	97
114) 1,2,3-trimethylbenzene	17.082	105	758712	51.44	ug/L	99
115) 1,2-dichlorobenzene	17.470	146	495342	52.62	ug/L	100
116) n-butylbenzene	17.371	92	437834	52.98	ug/L	99
117) hexachloroethane	17.785	201	199588	54.70	ug/L	99
118) 1,2-dibromo-3-chloropr...	18.272	157	49877	39.15	ug/L	98
119) 1,3,5-trichlorobenzene	18.529	180	482758	58.13	ug/L	99
120) 2-ethylhexyl acrylate	19.206	70	22435	7.33	ug/L	90
121) 1,2,4-trichlorobenzene	19.206	180	388727	51.71	ug/L	100
122) hexachlorobutadiene	19.363	225	209424	54.28	ug/L	99
123) naphthalene	19.494	128	545689	37.96	ug/L	100
124) 1,2,3-trichlorobenzene	19.756	180	291706	45.93	ug/L	99
125) 2-methylnaphthalene	20.731	142	72522	10.02	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185531.d
Acq On : 31 Aug 2021 10:02 am
Operator : thienn
Sample : BS Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:09:56 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185540.d
Acq On : 31 Aug 2021 2:59 pm
Operator : thienn
Sample : JD30727-1ms Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:26:35 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.745	65	103318	500.00	ug/L		0.00
5) pentafluorobenzene	10.251	168	412957	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.194	114	555853	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	564376	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.030	152	297299	50.00	ug/L		0.00
126) pentafluorobenzene(a)	10.251	168	412957	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	297299	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.230	113	175008	47.42	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.84%				
52) 1,2-dichloroethane-d4 (s)	10.675	65	161199	41.89	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 83.78%				
74) toluene-d8 (s)	12.946	98	639398	46.98	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.96%				
98) 4-bromofluorobenzene (s)	15.787	95	245614	49.54	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.08%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.881	59	60836	265.68	ug/L		98
3) ethanol	6.350	45	128932	6586.97	ug/L		99
4) 1,4-dioxane	11.928	88	30837	1629.10	ug/L		99
6) chlorodifluoromethane	4.158	51	255346	50.27	ug/L		96
7) dichlorodifluoromethane	4.137	85	322032	47.31	ug/L		100
8) chloromethane	4.557	50	292052	46.00	ug/L		99
9) vinyl chloride	4.803	62	281272	47.46	ug/L		99
10) 1,3-butadiene	4.840	54	216283	52.83	ug/L		99
11) bromomethane	5.464	94	198456	46.49	ug/L		98
12) chloroethane	5.637	64	147791	50.39	ug/L		98
13) trichlorofluoromethane	6.161	101	345755	48.77	ug/L		91
14) ethyl ether	6.607	74	80280	45.63	ug/L		99
15) acrolein	6.817	56	16912	30.59	ug/L		79
16) freon 113	7.079	151	189612	52.90	ug/L		99
17) 1,1-dichloroethene	7.037	96	164785	53.50	ug/L		96
18) acetone	7.026	43	371594	463.39	ug/L		95
19) acetonitrile	7.461	41	135490	407.26	ug/L		97
20) iodomethane	7.304	142	343675	50.12	ug/L		100
21) carbon disulfide	7.467	76	558858	53.12	ug/L		96
22) methylene chloride	7.781	84	177415	53.71	ug/L		98
23) methyl acetate	7.603	43	82218	37.59	ug/L		99
24) methyl tert butyl ether	8.237	73	411245	41.52	ug/L		100
25) trans-1,2-dichloroethene	8.248	96	176949	52.96	ug/L		97
26) di-isopropyl ether	8.929	45	517892	51.34	ug/L		96
27) 2-butanone	9.585	72	144219	482.65	ug/L		98
28) 1,1-dichloroethane	8.840	63	290429	51.79	ug/L		98
29) chloroprene	8.998	53	225373	52.11	ug/L		94
30) acrylonitrile	8.127	52	28383	38.04	ug/L		96
31) hexane	8.673	56	138886	56.25	ug/L		99
32) vinyl acetate	8.872	86	25828	42.48	ug/L		94
33) ethyl tert-butyl ether	9.433	59	514537	46.72	ug/L		98
34) ethyl acetate	9.674	45	14800	39.38	ug/L	#	73
35) 2,2-dichloropropane	9.669	77	263531	49.81	ug/L		95
36) cis-1,2-dichloroethene	9.632	96	179924	50.84	ug/L		98
37) methyl acrylate	9.753	55	86873	36.82	ug/L		96
38) propionitrile	9.637	54	136963	370.70	ug/L		99
39) bromochloromethane	9.952	128	97864	48.60	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185540.d
Acq On : 31 Aug 2021 2:59 pm
Operator : thienn
Sample : JD30727-1ms Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:26:35 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) tetrahydrofuran	10.036	72	13803	38.05	ug/L		98
41) chloroform	10.025	85	194196	47.55	ug/L		97
42) t-butyl formate	10.114	59	83862	30.56	ug/L		98
44) methacrylonitrile	9.878	67	45938	40.75	ug/L		94
45) 1,1,1-trichloroethane	10.345	97	291994	53.19	ug/L		97
46) cyclohexane	10.466	84	252969	51.88	ug/L	#	82
47) 1,1-dichloropropene	10.539	75	216238	50.62	ug/L		98
48) iso-butyl alcohol	10.508	43	38293	391.51	ug/L		98
49) carbon tetrachloride	10.576	117	265458	51.62	ug/L		99
50) tert amyl alcohol	10.654	55	21412	210.29	ug/L		83
53) n-butyl alcohol	11.305	56	140034	2083.90	ug/L		100
54) 2,2,4-trimethylpentane	10.906	57	618895	55.51	ug/L		92
55) benzene	10.801	78	620541	52.68	ug/L		100
56) tert-amyl methyl ether	10.896	87	113425	44.57	ug/L		94
57) heptane	11.090	71	137509	54.72	ug/L		99
58) isopropyl acetate	10.759	87	26212	41.72	ug/L	#	85
59) 1,2-dichloroethane	10.770	62	193296	42.94	ug/L		99
60) trichloroethene	11.561	130	245782	64.09	ug/L		100
61) ethyl acrylate	11.577	55	132527	39.67	ug/L		99
62) 2-nitropropane	12.301	41	28433	34.18	ug/L		98
64) methyl methacrylate	11.860	100	31681	43.23	ug/L	#	87
65) 1,2-dichloropropane	11.803	63	164951	51.77	ug/L		99
66) dibromomethane	11.944	93	92237	43.36	ug/L		94
67) methylcyclohexane	11.845	83	330335	55.40	ug/L		99
68) bromodichloromethane	12.096	83	227861	49.05	ug/L		99
69) epichlorohydrin	12.469	57	53035	187.19	ug/L		95
70) cis-1,3-dichloropropene	12.605	75	286807	53.43	ug/L		93
71) 4-methyl-2-pentanone	12.715	58	539734	495.23	ug/L		92
72) 3-methyl-1-butanol	12.731	70	54886	847.83	ug/L	#	76
75) toluene	13.024	92	449297	54.42	ug/L		99
76) trans-1,3-dichloropropene	13.192	75	233666	48.45	ug/L		98
77) ethyl methacrylate	13.244	69	167236	42.82	ug/L		99
78) 1,1,2-trichloroethane	13.412	83	112076	44.88	ug/L		97
79) tetrachloroethene	13.664	164	174589	49.78	ug/L		99
80) 1,3-dichloropropane	13.606	76	226304	44.66	ug/L		97
81) 2-hexanone	13.627	58	500231	513.12	ug/L		95
82) butyl acetate	13.748	56	80902	43.35	ug/L		98
83) dibromochloromethane	13.889	129	192525	45.84	ug/L		98
84) 1,2-dibromoethane	14.052	107	148521	44.97	ug/L		100
85) n-butyl ether	14.571	57	669261	53.64	ug/L		99
86) chlorobenzene	14.581	112	497142	50.68	ug/L		98
87) 1,1,1,2-tetrachloroethane	14.639	131	202840	50.73	ug/L		99
88) ethylbenzene	14.671	91	762370	49.27	ug/L		98
89) m,p-xylene	14.786	106	645097	103.22	ug/L		95
90) o-xylene	15.226	106	347138	52.13	ug/L		96
91) styrene	15.226	104	550016	50.44	ug/L		99
92) n-amyl acetate	15.279	70	101540	46.30	ug/L		98
93) bromoform	15.457	173	143277	44.59	ug/L		97
94) butyl acrylate	15.053	55	270598	44.08	ug/L		99
95) isopropylbenzene	15.604	105	904489	49.81	ug/L		98
96) cis-1,4-dichloro-2-butene	15.620	88	49811	32.53	ug/L		96
99) bromobenzene	15.992	156	257581	53.31	ug/L		96
100) 1,1,2,2-tetrachloroethane	15.856	83	165795	41.69	ug/L		98
101) trans-1,4-dichloro-2-b...	15.913	53	38422	37.22	ug/L	#	80
102) 1,2,3-trichloropropane	15.939	110	46328	40.16	ug/L		99
103) n-propylbenzene	16.039	91	975762	52.75	ug/L		99
104) 2-chlorotoluene	16.175	126	232126	53.25	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185540.d
Acq On : 31 Aug 2021 2:59 pm
Operator : thienn
Sample : JD30727-1ms Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:26:35 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

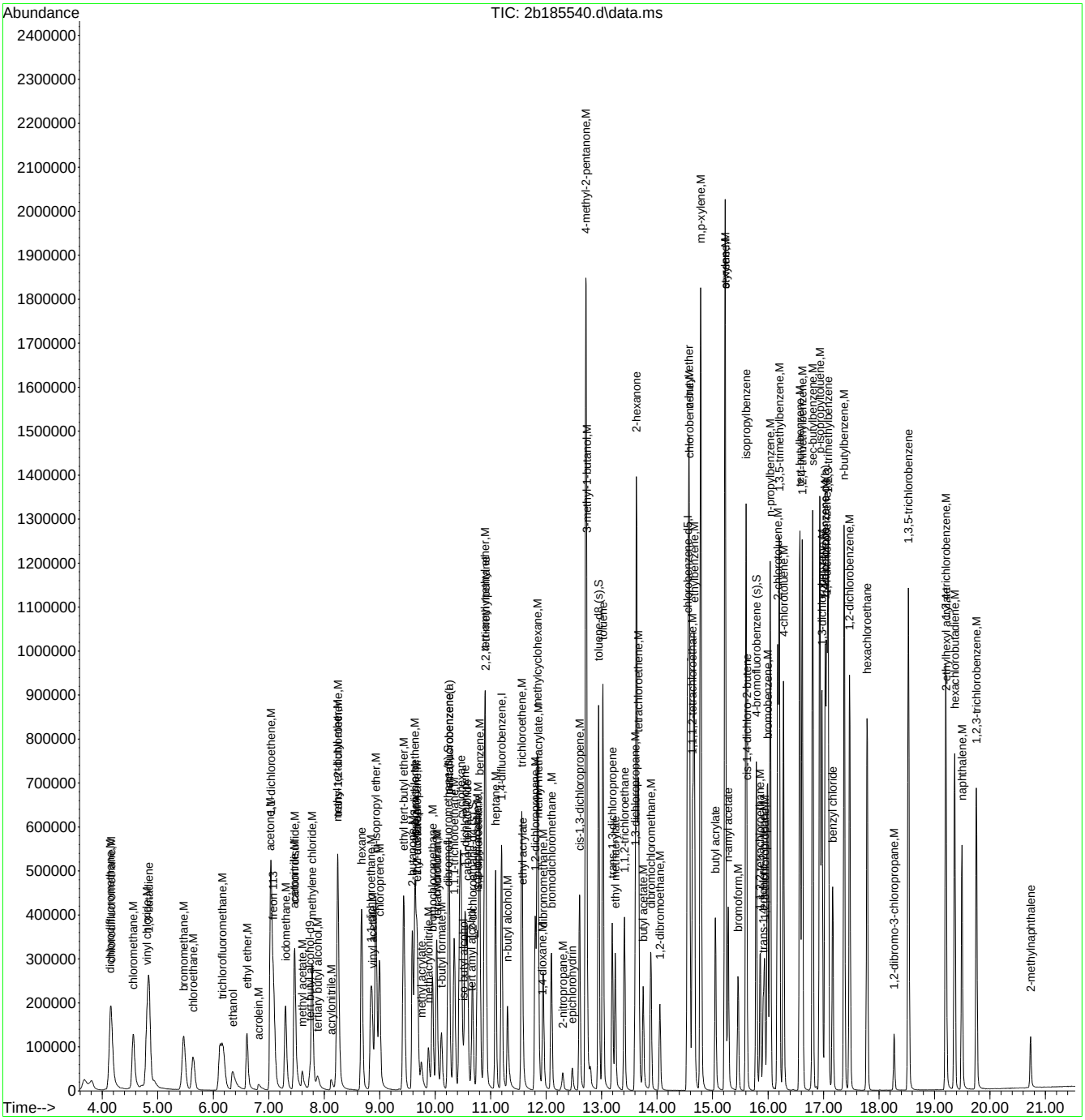
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 4-chlorotoluene	16.280	91	593578	50.89	ug/L	96
106) 1,3,5-trimethylbenzene	16.202	105	717997	51.33	ug/L	99
107) tert-butylbenzene	16.574	134	176002	52.94	ug/L	98
108) 1,2,4-trimethylbenzene	16.616	105	748632	51.43	ug/L	100
109) sec-butylbenzene	16.805	105	1001417	51.74	ug/L	99
110) 1,3-dichlorobenzene	16.972	146	457072	50.26	ug/L	99
111) p-isopropyltoluene	16.936	119	880860	51.91	ug/L	98
112) 1,4-dichlorobenzene	17.056	146	455117	51.00	ug/L	99
113) benzyl chloride	17.166	91	374681	45.95	ug/L	97
114) 1,2,3-trimethylbenzene	17.082	105	726244	51.04	ug/L	99
115) 1,2-dichlorobenzene	17.470	146	469270	51.67	ug/L	100
116) n-butylbenzene	17.371	92	425531	53.37	ug/L	98
117) hexachloroethane	17.785	201	194013	55.12	ug/L	99
118) 1,2-dibromo-3-chloropr...	18.273	157	46021	37.44	ug/L	97
119) 1,3,5-trichlorobenzene	18.529	180	459862	57.40	ug/L	99
120) 2-ethylhexyl acrylate	19.211	70	23039	7.75	ug/L	94
121) 1,2,4-trichlorobenzene	19.206	180	367960	50.73	ug/L	99
122) hexachlorobutadiene	19.363	225	199497	53.60	ug/L	99
123) naphthalene	19.494	128	516594	37.25	ug/L	100
124) 1,2,3-trichlorobenzene	19.756	180	277888	45.36	ug/L	99
125) 2-methylnaphthalene	20.732	142	70093	10.04	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\janellac\09-01-2021\v2b8421\
Data File : 2b185540.d
Acq On : 31 Aug 2021 2:59 pm
Operator : thienn
Sample : JD30727-1ms Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:26:35 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\voa-gcms\complete\2021\dayton 202109\09-01-2021\janellec\v2b8421\
Data File : 2b185542.d
Acq On : 31 Aug 2021 3:58 pm
Operator : thienn
Sample : JD30727-2DUP Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:28:11 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

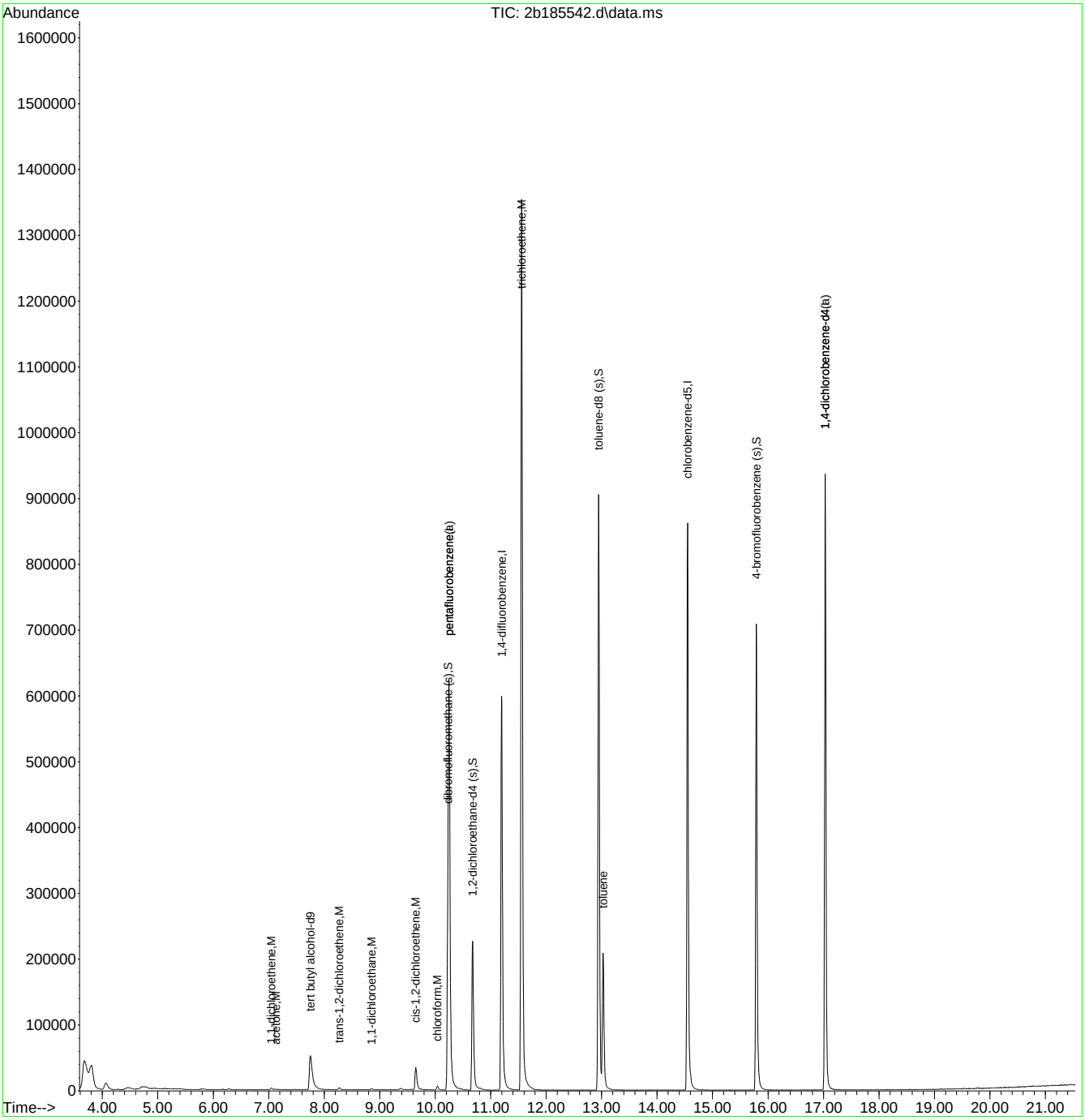
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	120807	500.00	ug/L	0.00
5) pentafluorobenzene	10.251	168	451832	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	599449	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	576508	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	306560	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.251	168	451832	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	306560	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	200752	49.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.44%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	185189	44.62	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 89.24%			
74) toluene-d8 (s)	12.946	98	680066	48.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.82%			
98) 4-bromofluorobenzene (s)	15.787	95	254559	49.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.58%			
Target Compounds						Qvalue
17) 1,1-dichloroethene	7.042	96	1865	0.55	ug/L	93
18) acetone	7.126	43	3783	4.31	ug/L	100
25) trans-1,2-dichloroethene	8.269	96	2183	0.60	ug/L	82
28) 1,1-dichloroethane	8.851	63	2577	0.42	ug/L	75
36) cis-1,2-dichloroethene	9.648	96	22070	5.70	ug/L	95
41) chloroform	10.036	85	3902	0.87	ug/L	95
60) trichloroethene	11.556	130	563904	136.34	ug/L	100
75) toluene	13.030	92	105848	12.55	ug/L	95

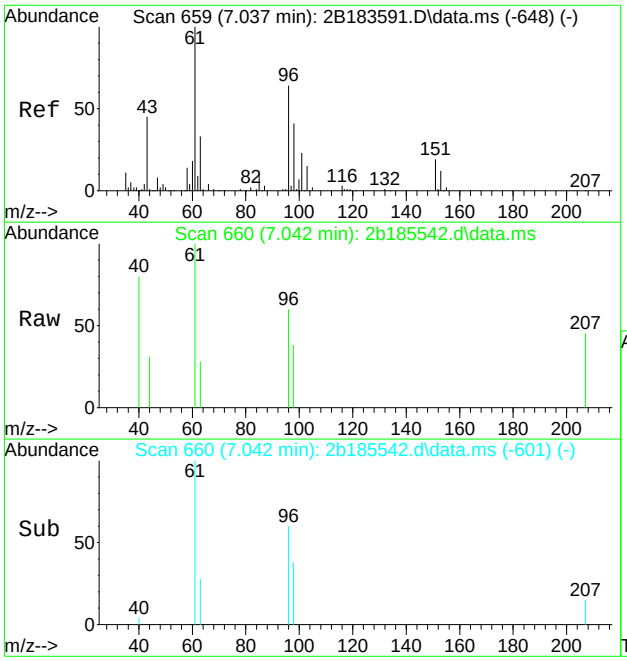
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\voa-gcms\complete\2021\dayton 202109\09-01-2021\janellec\v2b8421\
Data File : 2b185542.d
Acq On : 31 Aug 2021 3:58 pm
Operator : thienn
Sample : JD30727-2DUP Inst : GCMS2B
Misc : MS53310,V2B8421,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Sep 01 03:28:11 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

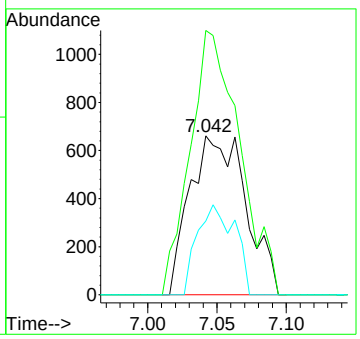


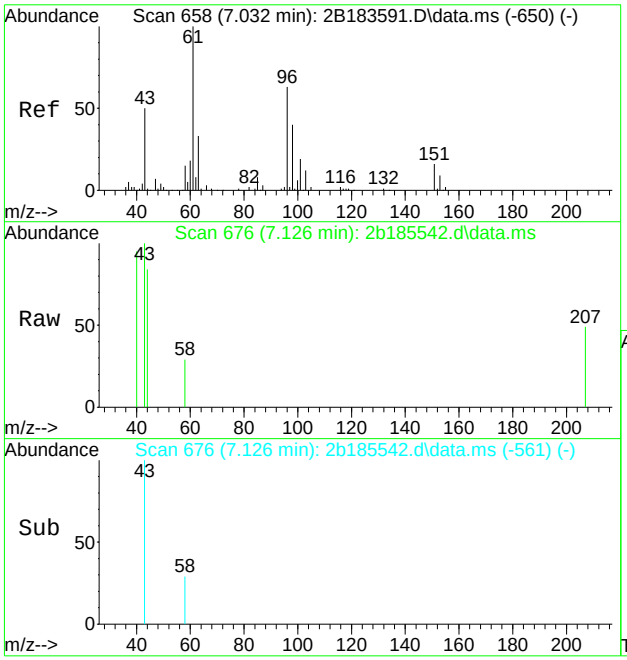


#17
1,1-dichloroethene
Concen: 0.55 ug/L
RT: 7.042 min Scan# 660
Delta R.T. 0.010 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 96 Resp: 1865

Ion	Ratio	Lower	Upper
96	100		
61	166.4	127.2	187.2
63	46.4	21.7	81.7

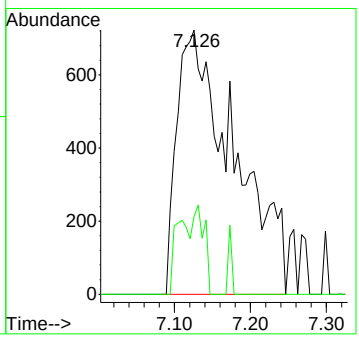


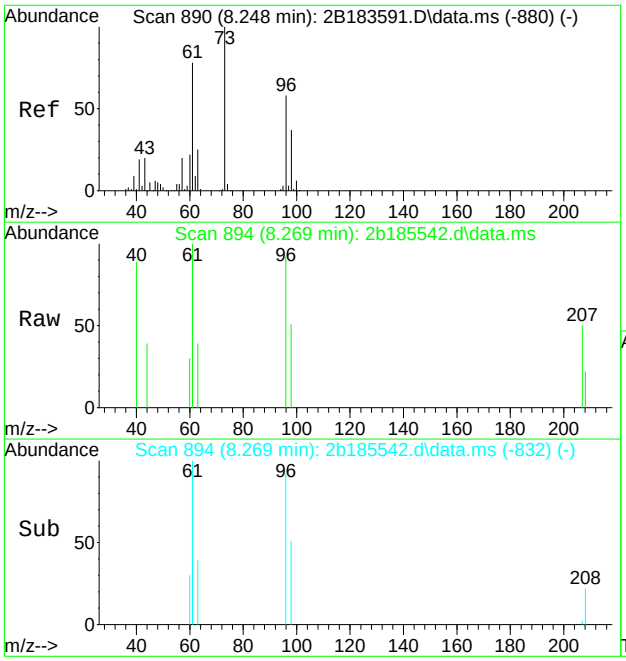


#18
acetone
Concen: 4.31 ug/L
RT: 7.126 min Scan# 676
Delta R.T. 0.105 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 43 Resp: 3783

Ion	Ratio	Lower	Upper
43	100		
58	29.3	0.0	59.5

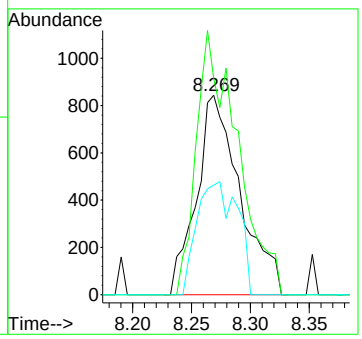


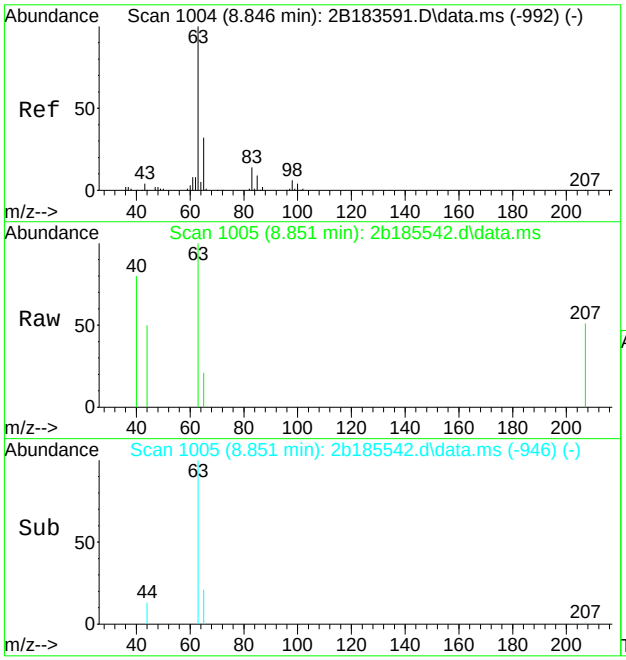


#25
trans-1,2-dichloroethene
Concen: 0.60 ug/L
RT: 8.269 min Scan# 894
Delta R.T. 0.026 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 96 Resp: 2183

Ion	Ratio	Lower	Upper
96	100		
61	108.4	103.8	163.8
98	54.9	34.0	94.0

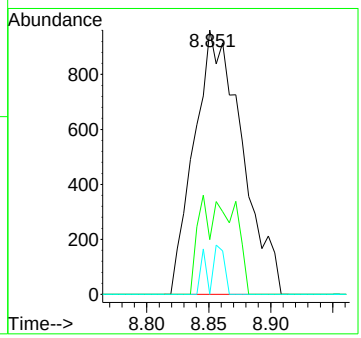


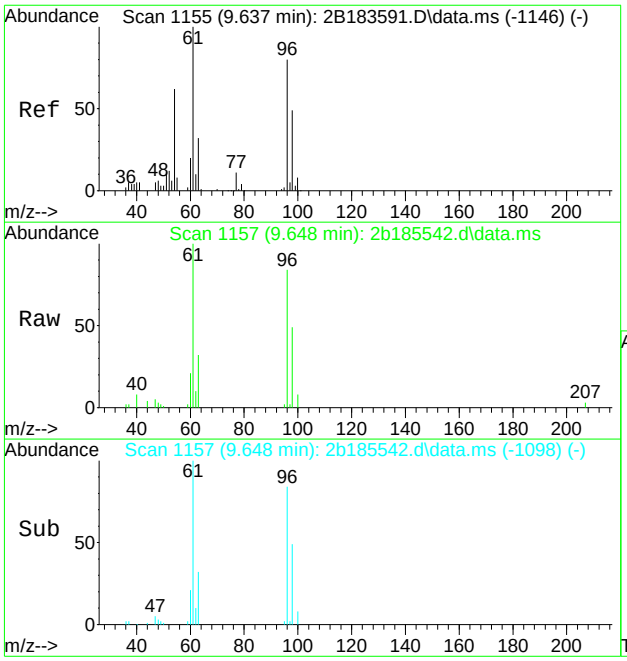


#28
1,1-dichloroethane
Concen: 0.42 ug/L
RT: 8.851 min Scan# 1005
Delta R.T. 0.010 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 63 Resp: 2577

Ion	Ratio	Lower	Upper
63	100		
65	20.7	2.1	62.1
83	0.0	0.0	44.4

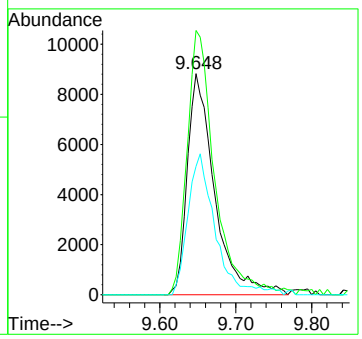


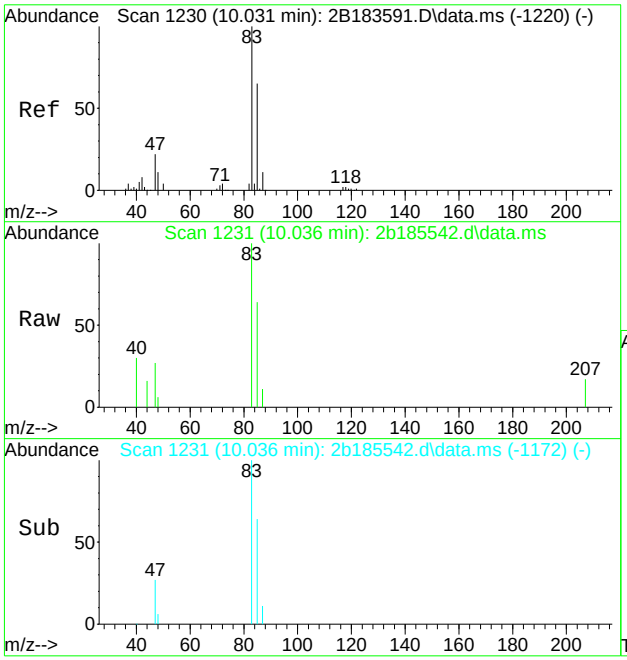


#36
cis-1,2-dichloroethene
Concen: 5.70 ug/L
RT: 9.648 min Scan# 1157
Delta R.T. 0.010 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 96 Resp: 22070

Ion	Ratio	Lower	Upper
96	100		
61	119.5	95.1	155.1
98	58.0	31.7	91.7

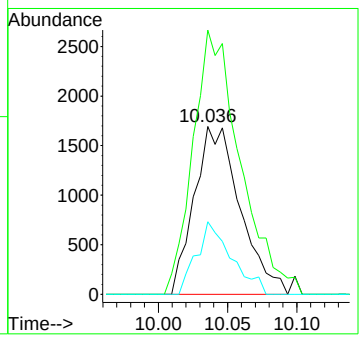


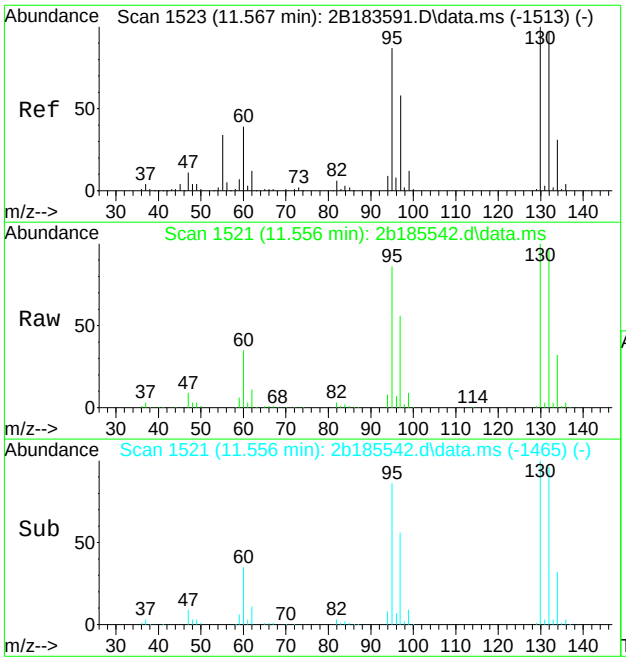


#41
chloroform
Concen: 0.87 ug/L
RT: 10.036 min Scan# 1231
Delta R.T. 0.010 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 85 Resp: 3902

Ion	Ratio	Lower	Upper
85	100		
83	157.4	123.5	183.5
47	43.3	6.5	66.5

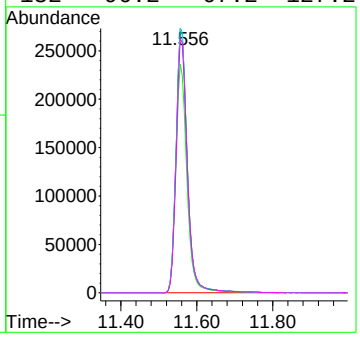


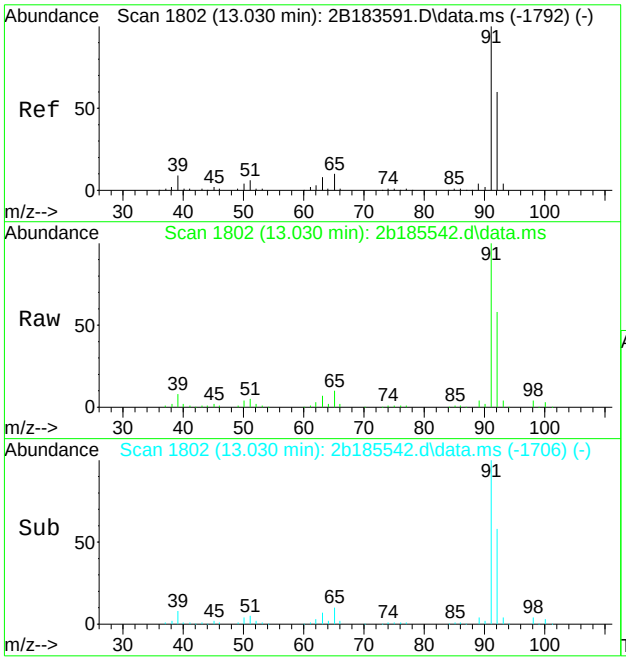


#60
trichloroethene
Concen: 136.34 ug/L
RT: 11.556 min Scan# 1521
Delta R.T. -0.005 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion:130 Resp: 563904

Ion	Ratio	Lower	Upper
130	100		
95	86.4	56.8	116.8
130	100.0	70.0	130.0
132	96.2	67.2	127.2

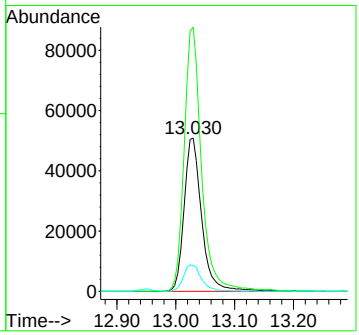




#75
toluene
Concen: 12.55 ug/L
RT: 13.030 min Scan# 1802
Delta R.T. 0.005 min
Lab File: 2b185542.d
Acq: 31 Aug 2021 3:58 pm

Tgt Ion: 92 Resp: 105848

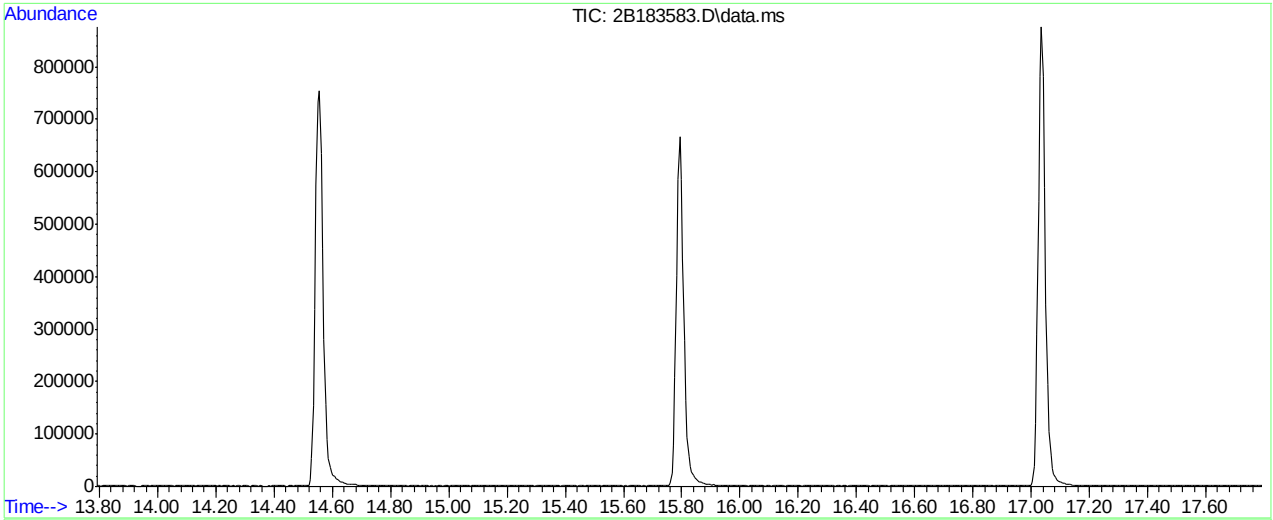
Ion	Ratio	Lower	Upper
92	100		
91	172.6	145.5	185.5
65	17.0	0.0	37.3

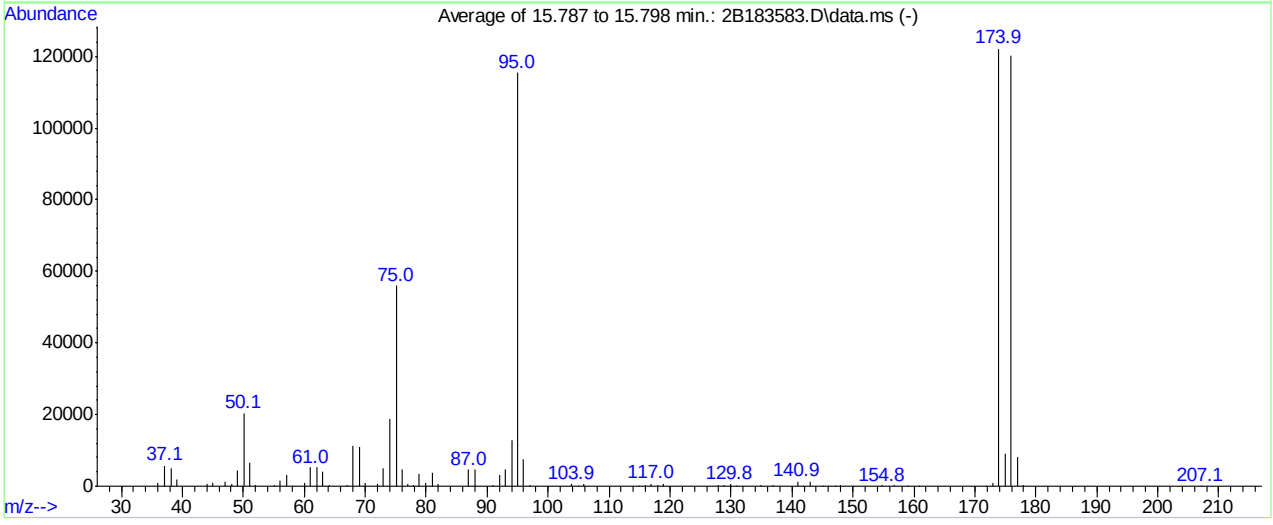


SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V2B8337\2B183583.D Vial: 2
Acq On : 16 Jun 2021 5:26 pm Operator: thienn
Sample : bfb Inst : GCMS2B
Misc : MS51064,V2B8337,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um





AutoFind: Scans 2328, 2329, 2330; Background Corrected with Scan 2319

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	20421	PASS
75	95	30	60	48.4	55917	PASS
95	95	100	100	100.0	115464	PASS
96	95	5	9	6.6	7578	PASS
173	174	0.00	2	0.9	1064	PASS
174	95	50	120	105.8	122216	PASS
175	174	5	9	7.5	9200	PASS
176	174	95	101	98.3	120186	PASS
177	176	5	9	6.7	8006	PASS

2B183583.D M2B8337.M Thu Jun 17 17:58:38 2021

Average of 15.787 to 15.798 min.: 2B183583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	982	52.05	319	68.00	11133	79.90	978
37.10	5722	55.05	259	69.00	10917	80.95	3625
38.10	4881	56.05	1729	70.05	963	81.95	742
39.10	1986	57.10	3033	72.00	583	87.00	4645
44.00	709	58.10	55	73.00	4987	88.00	4603
45.05	1056	60.00	965	74.00	18682	90.95	441
47.05	1197	61.00	5256	75.05	55917	92.00	3192
48.05	637	62.05	5203	76.00	4621	93.00	4691
49.10	4546	63.05	3935	77.00	659	94.00	12884
50.10	20421	64.05	370	77.95	444	95.00	115464
51.10	6490	67.10	270	78.90	3356	96.00	7578

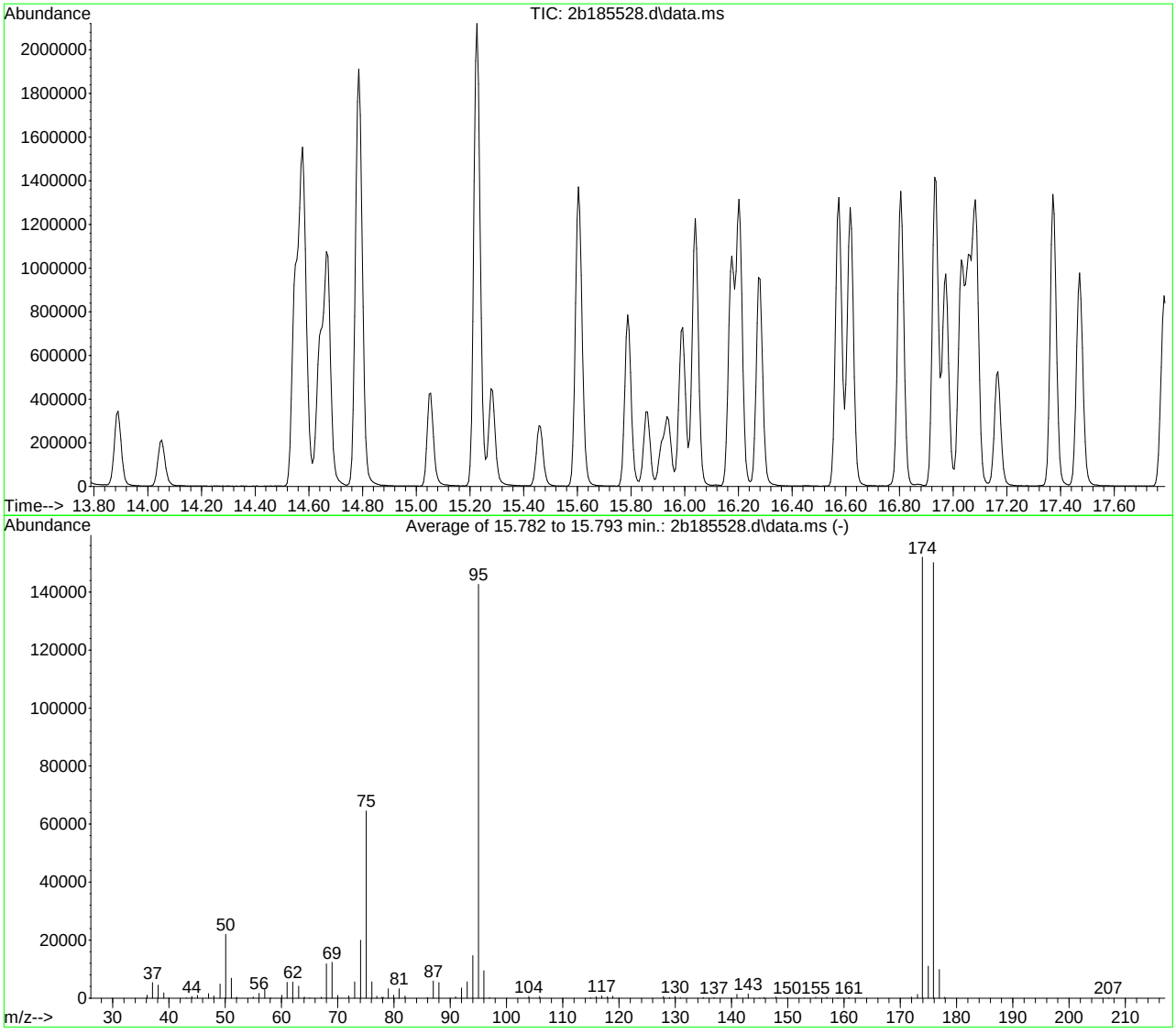
Average of 15.787 to 15.798 min.: 2B183583.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
97.00	213	129.85	480	150.00	53	177.95	256
103.90	601	130.85	117	154.85	285	207.10	52
104.90	111	134.85	207	156.85	193		
105.90	530	136.90	187	158.90	57		
114.90	54	140.90	1344	160.80	55		
115.90	419	141.95	120	171.90	56		
116.95	704	142.90	1216	173.05	1064		
117.90	440	144.95	119	173.90	122216		
118.95	586	145.85	126	174.95	9200		
127.90	479	147.00	50	175.90	120186		
128.85	216	147.90	294	176.95	8006		

SW-846 Method 8260

Data File : C:\msdchem\1\data\da...b8421 rush\2b185528.d Vial: 1
Acq On : 31 Aug 2021 7:47 am Operator: thienn
Sample : BFB Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M2B8337.M (RTE Integrator)
Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um



AutoFind: Scans 2327, 2328, 2329; Background Corrected with Scan 2318

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	21984	PASS
75	95	30	60	45.2	64491	PASS
95	95	100	100	100.0	142656	PASS
96	95	5	9	6.6	9440	PASS
173	174	0.00	2	0.9	1330	PASS
174	95	50	120	106.6	152021	PASS
175	174	5	9	7.3	11046	PASS
176	174	95	101	98.8	150187	PASS
177	176	5	9	6.6	9866	PASS

2b185528.d M2B8337.M Tue Aug 31 14:10:44 2021

Average of 15.782 to 15.793 min.: 2b185528.d\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1052	50.10	21984	64.05	399	76.95	707
37.10	5397	51.10	6892	65.00	135	77.85	318
38.10	4494	52.05	313	67.10	339	78.10	297
39.10	1804	55.00	380	68.00	11829	79.00	3198
40.00	31	56.05	1620	69.00	12336	79.95	1013
43.10	51	57.05	2992	70.00	928	80.90	3199
44.05	545	58.10	61	71.95	717	81.95	783
45.05	959	60.05	1023	73.00	5629	85.95	197
47.05	1586	61.00	5471	74.05	19971	87.00	5882
48.00	738	62.00	5540	75.05	64491	88.00	5390
49.10	4805	63.05	4100	76.05	5631	90.95	487

Average of 15.782 to 15.793 min.: 2b185528.d\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	3483	117.95	528	145.75	192	174.95	11046
93.00	5608	118.90	680	147.90	391	175.90	150187
94.00	14677	127.90	578	149.90	61	176.95	9866
95.00	142656	129.00	252	152.90	53	177.90	334
96.00	9440	129.95	591	154.95	351	207.00	62
97.00	251	130.90	150	156.95	342		
103.95	566	134.95	215	158.90	64		
105.90	558	136.90	214	160.85	215		
114.95	111	140.95	1293	171.95	375		
115.95	451	142.95	1446	173.05	1330		
116.95	747	145.00	55	173.90	152021		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183584.D
Acq On : 16 Jun 2021 5:57 pm
Operator : thienn
Sample : ic8337-0.2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 17 18:16:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

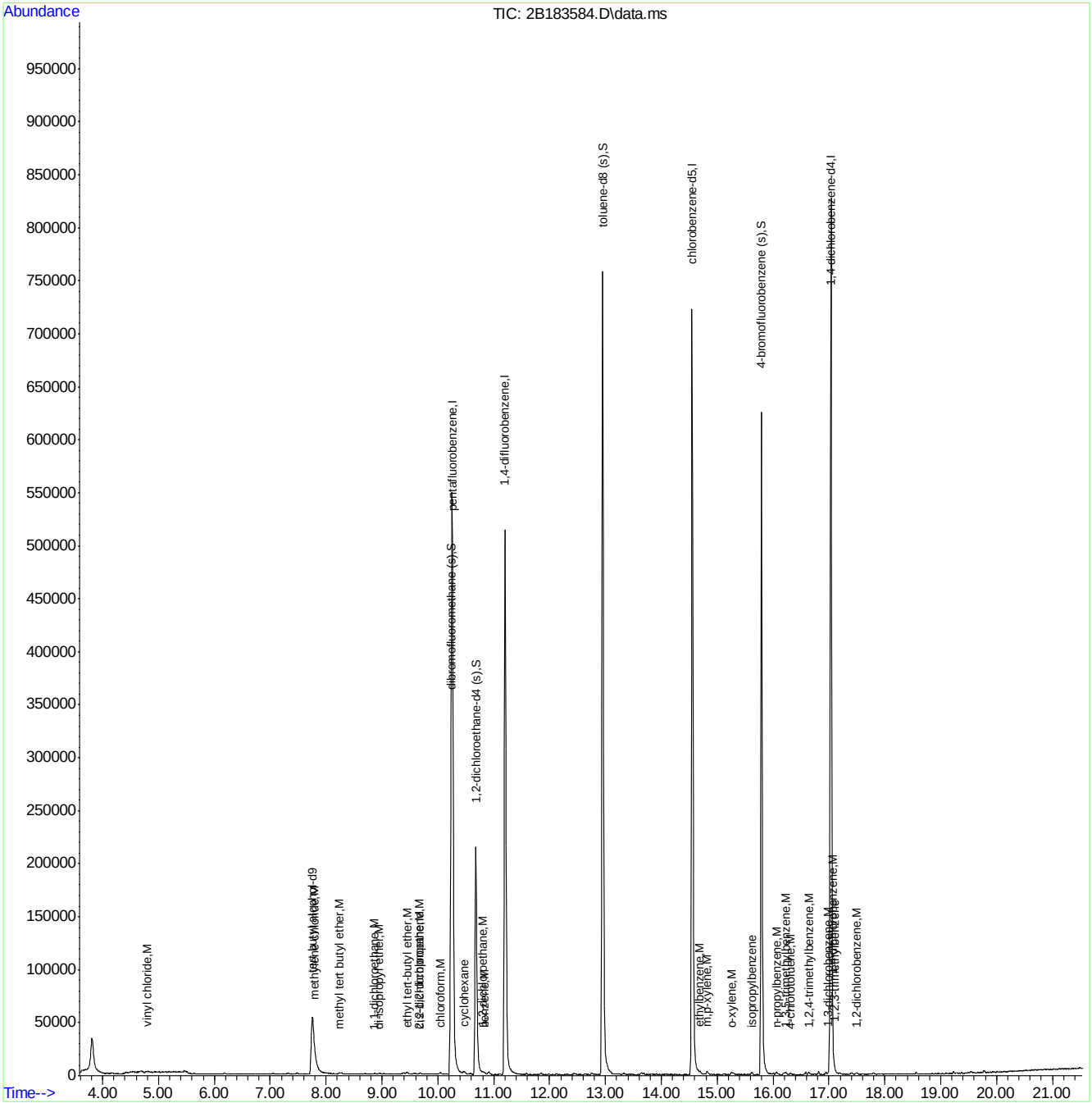
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.755	65	143714	500.00	ug/L	0.00
5) pentafluorobenzene	10.261	168	386241	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	509624	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	467202	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.035	152	264012	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	174600	50.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.04%			
52) 1,2-dichloroethane-d4 (s)	10.681	65	183650	52.31	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 104.62%			
74) toluene-d8 (s)	12.951	98	570958	50.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.16%			
98) 4-bromofluorobenzene (s)	15.793	95	215549	49.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.08%			
Target Compounds						Qvalue
9) vinyl chloride	4.803	62	1022	0.18	ug/L #	49
22) methylene chloride	7.792	84	513	0.17	ug/L #	72
24) methyl tert butyl ether	8.237	73	1548	0.18	ug/L	56
26) di-isopropyl ether	8.940	45	1497	0.16	ug/L	72
28) 1,1-dichloroethane	8.856	63	890	0.17	ug/L #	49
33) ethyl tert-butyl ether	9.454	59	1748	0.17	ug/L	96
35) 2,2-dichloropropane	9.669	77	872	0.18	ug/L #	35
36) cis-1,2-dichloroethene	9.669	96	540	0.16	ug/L #	75
41) chloroform	10.051	85	836	0.22	ug/L	89
46) cyclohexane	10.471	84	742	0.16	ug/L #	73
55) benzene	10.827	78	1795	0.17	ug/L	83
59) 1,2-dichloroethane	10.801	62	832	0.20	ug/L	78
88) ethylbenzene	14.686	91	2349	0.18	ug/L	87
89) m,p-xylene	14.817	106	1547	0.30	ug/L	95
90) o-xylene	15.253	106	779	0.14	ug/L	92
95) isopropylbenzene	15.620	105	2585	0.17	ug/L	96
103) n-propylbenzene	16.065	91	2697	0.16	ug/L	88
105) 4-chlorotoluene	16.312	91	1796	0.17	ug/L	86
106) 1,3,5-trimethylbenzene	16.222	105	1925	0.15	ug/L	94
108) 1,2,4-trimethylbenzene	16.637	105	2083	0.16	ug/L	84
110) 1,3-dichlorobenzene	16.988	146	1381	0.17	ug/L	99
112) 1,4-dichlorobenzene	17.067	146	1405	0.18	ug/L	92
114) 1,2,3-trimethylbenzene	17.103	105	2028	0.16	ug/L	92
115) 1,2-dichlorobenzene	17.497	146	1200	0.15	ug/L	98

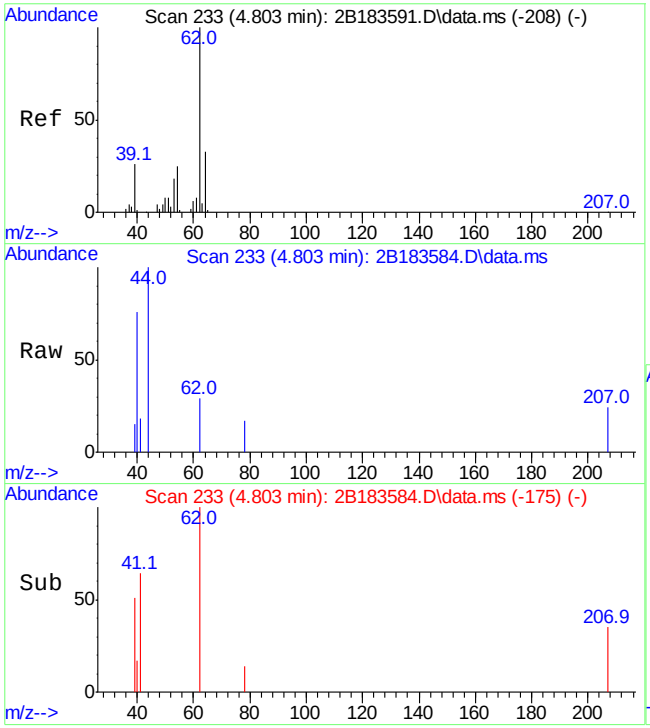
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183584.D
Acq On : 16 Jun 2021 5:57 pm
Operator : thienn
Sample : ic8337-0.2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 17 18:16:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

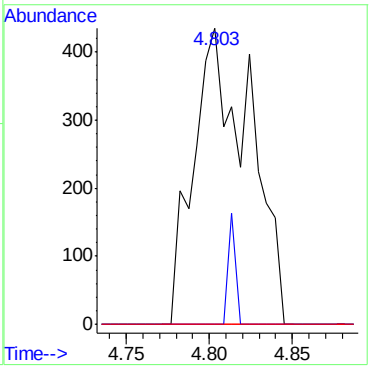


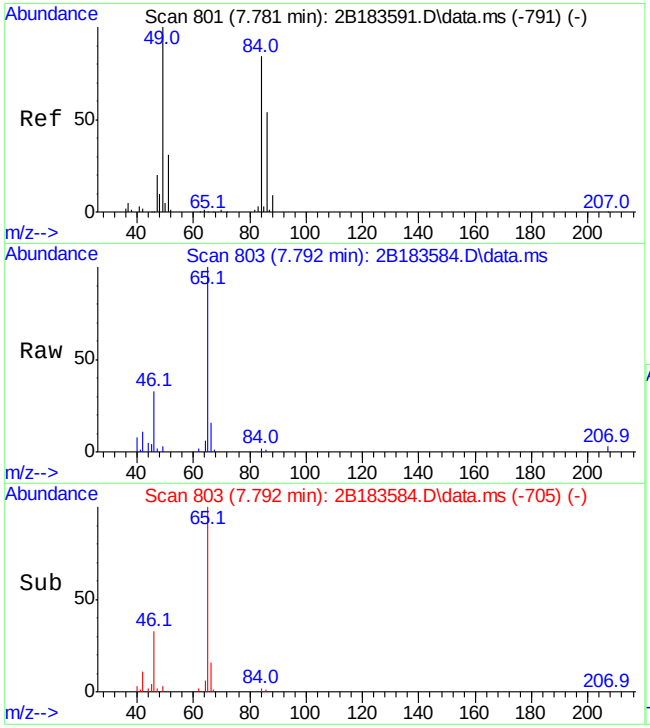


#9
vinyl chloride
Concen: 0.18 ug/L
RT: 4.803 min Scan# 233
Delta R.T. 0.005 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 62 Resp: 1022

Ion	Ratio	Lower	Upper
62	100		
64	0.0	3.0	63.0#
61	0.0	0.0	38.4

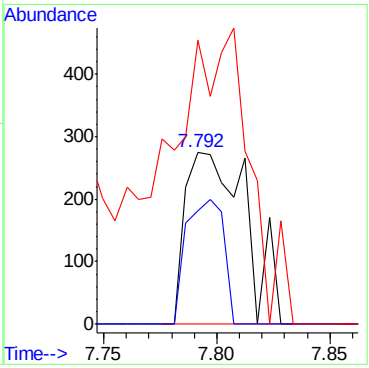


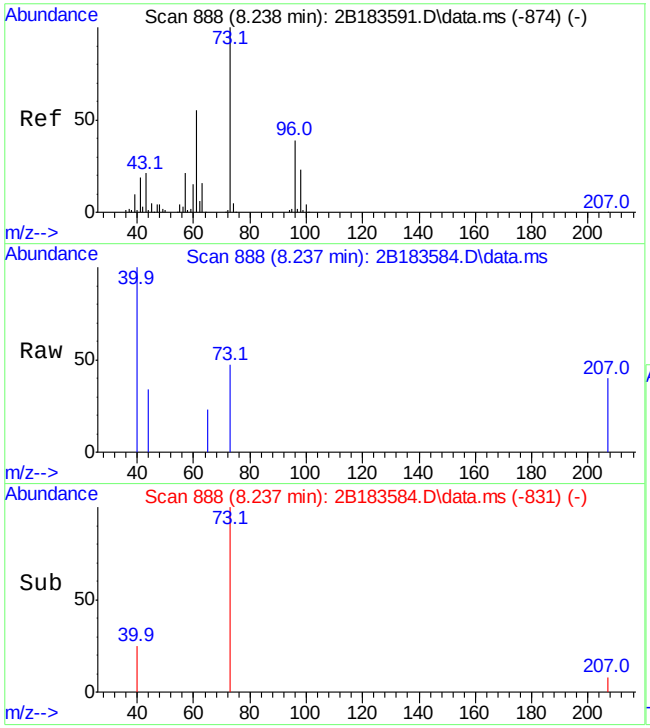


#22
methylene chloride
Concen: 0.17 ug/L
RT: 7.792 min Scan# 803
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 84 Resp: 513

Ion	Ratio	Lower	Upper
84	100		
86	66.2	34.1	94.1
49	165.5	88.6	148.6#

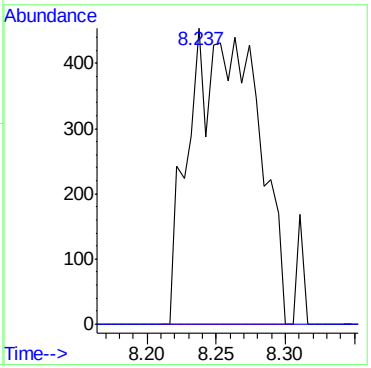


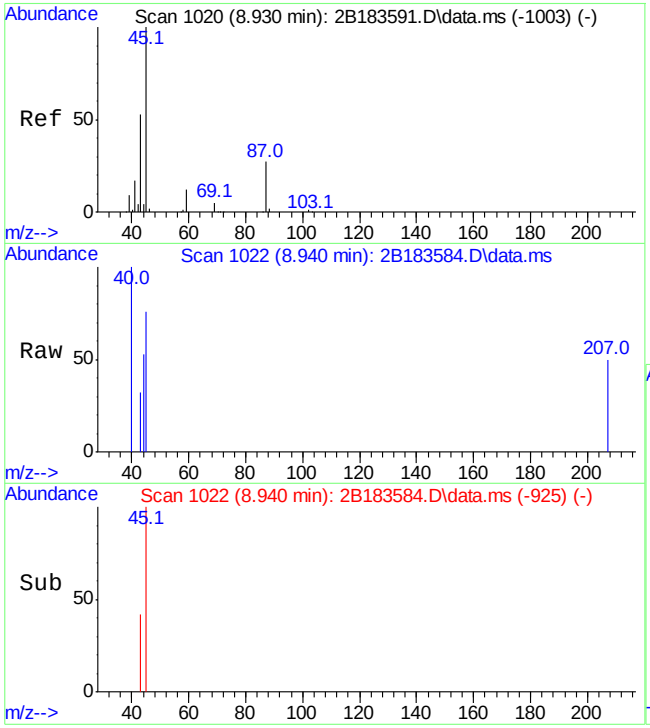


#24
methyl tert butyl ether
Concen: 0.18 ug/L
RT: 8.237 min Scan# 888
Delta R.T. -0.000 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 73 Resp: 1548

Ion	Ratio	Lower	Upper
73	100		
57	0.0	0.0	220.5

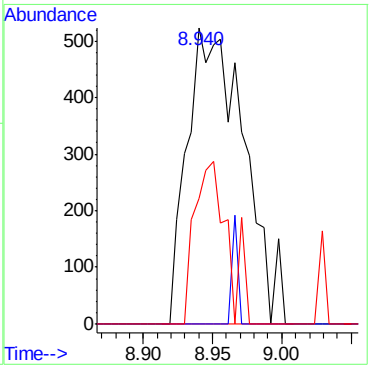


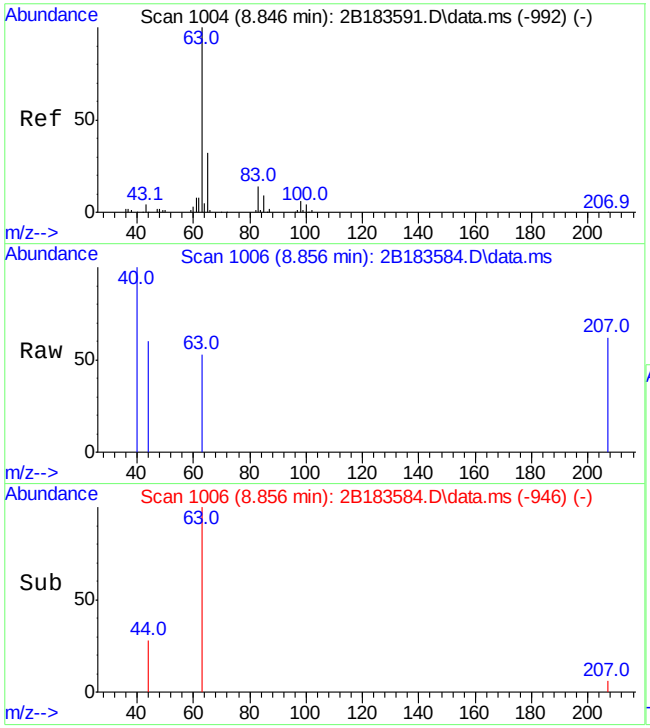


#26
di-isopropyl ether
Concen: 0.16 ug/L
RT: 8.940 min Scan# 1022
Delta R.T. 0.010 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 45 Resp: 1497

Ion	Ratio	Lower	Upper
45	100		
87	0.0	0.0	58.0
43	42.4	23.4	83.4

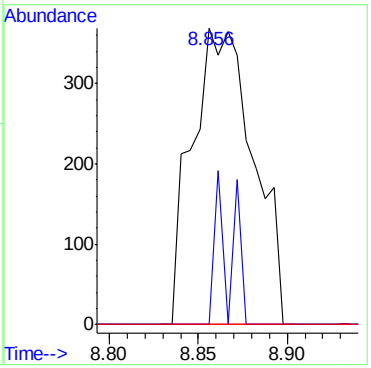


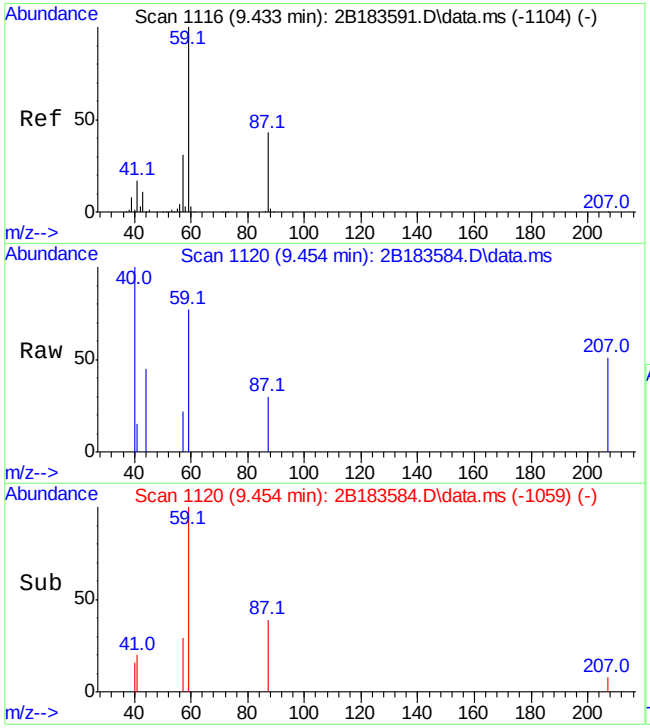


#28
1,1-dichloroethane
Concen: 0.17 ug/L
RT: 8.856 min Scan# 1006
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 63 Resp: 890

Ion	Ratio	Lower	Upper
63	100		
65	0.0	2.1	62.1#
83	0.0	0.0	44.4

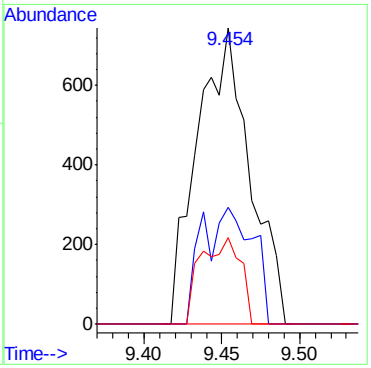


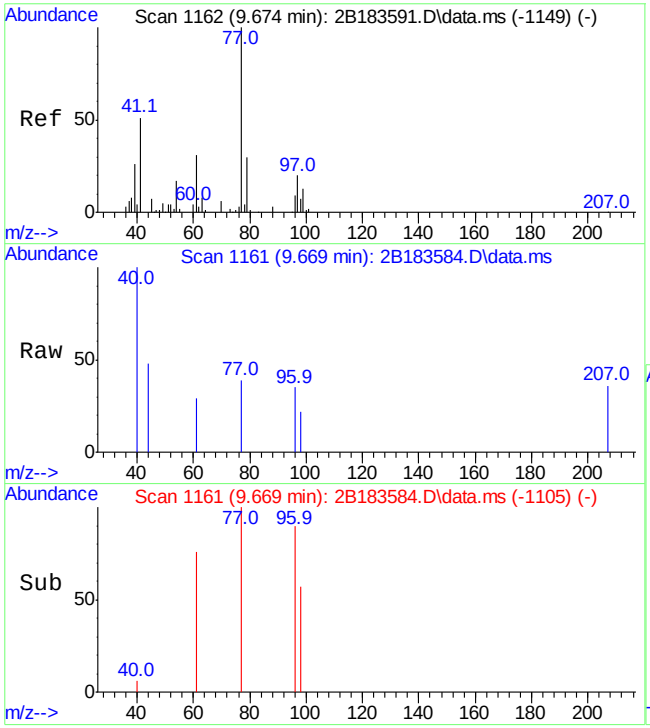


#33
ethyl tert-butyl ether
Concen: 0.17 ug/L
RT: 9.454 min Scan# 1120
Delta R.T. 0.021 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 59 Resp: 1748

Ion	Ratio	Lower	Upper
59	100		
87	39.4	12.7	72.7
57	29.2	0.9	60.9

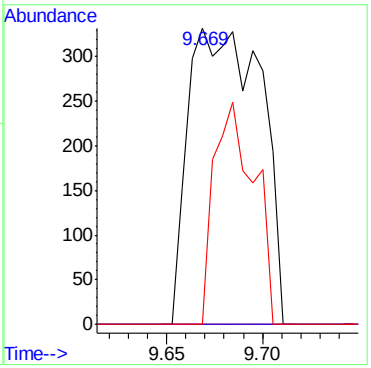


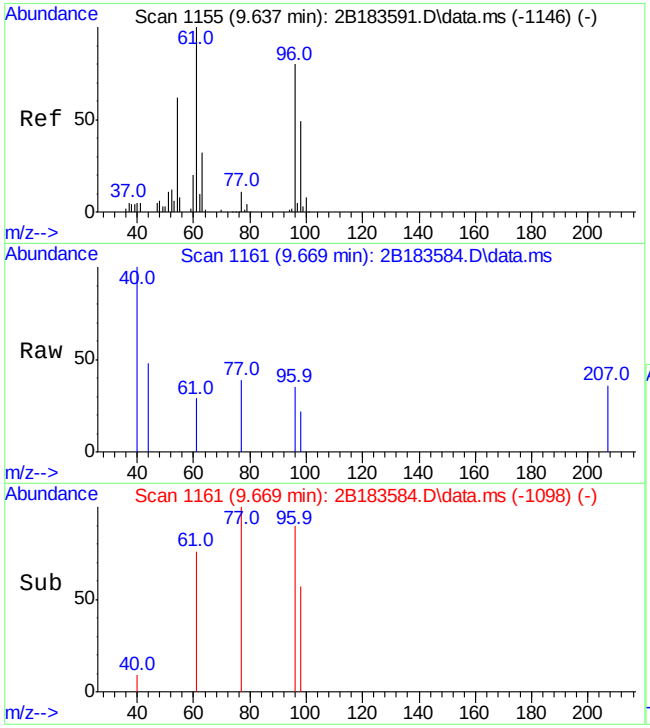


#35
2,2-dichloropropane
Concen: 0.18 ug/L
RT: 9.669 min Scan# 1161
Delta R.T. -0.005 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 77 Resp: 872

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	50.3
41	0.0	21.9	81.9#

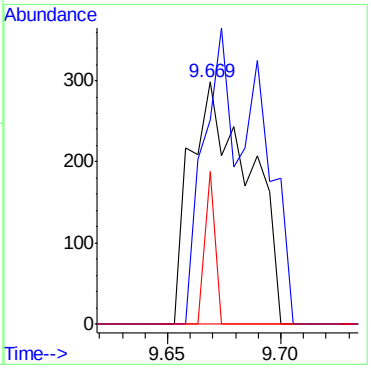


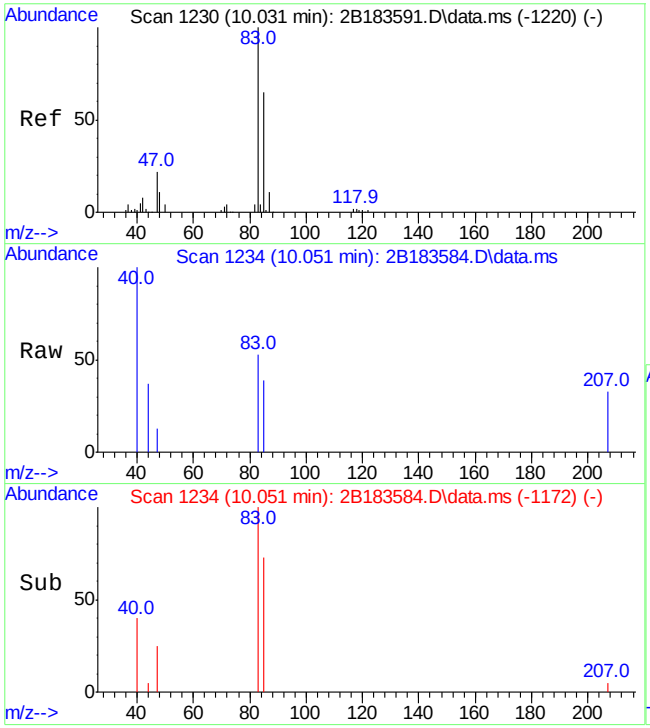


#36
cis-1,2-dichloroethene
Concen: 0.16 ug/L
RT: 9.669 min Scan# 1161
Delta R.T. 0.031 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 96 Resp: 540

Ion	Ratio	Lower	Upper
96	100		
61	84.2	95.1	155.1#
98	63.1	31.7	91.7

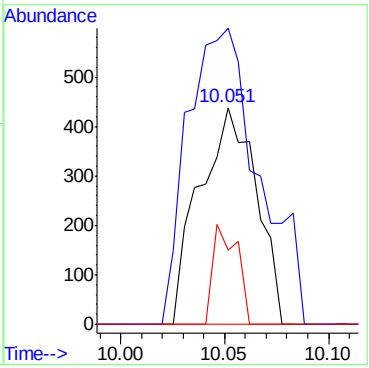


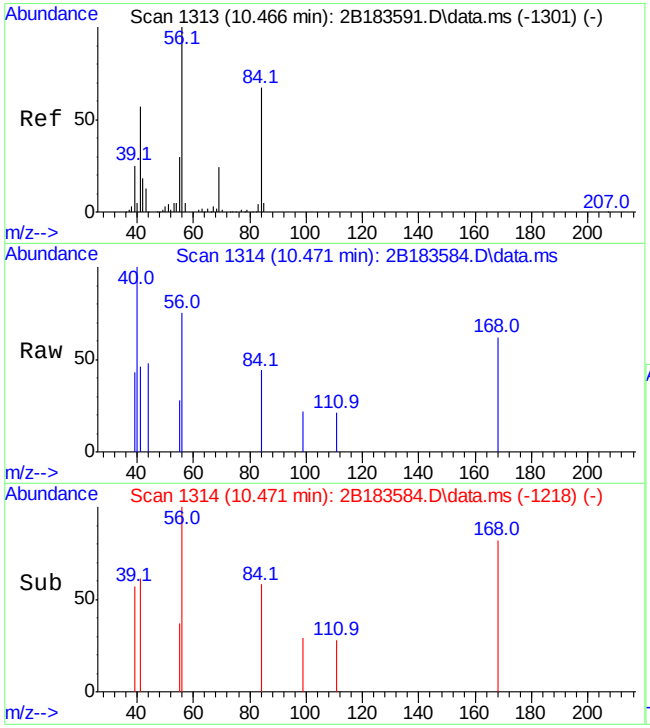


#41
chloroform
Concen: 0.22 ug/L
RT: 10.051 min Scan# 1234
Delta R.T. 0.026 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 85 Resp: 836

Ion	Ratio	Lower	Upper
85	100		
83	136.4	123.5	183.5
47	34.4	6.5	66.5

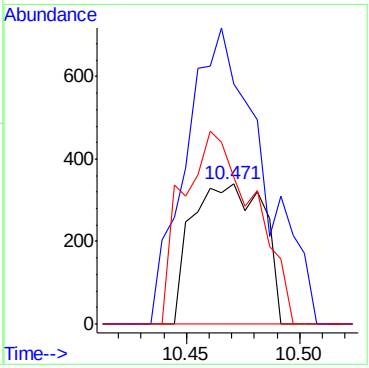


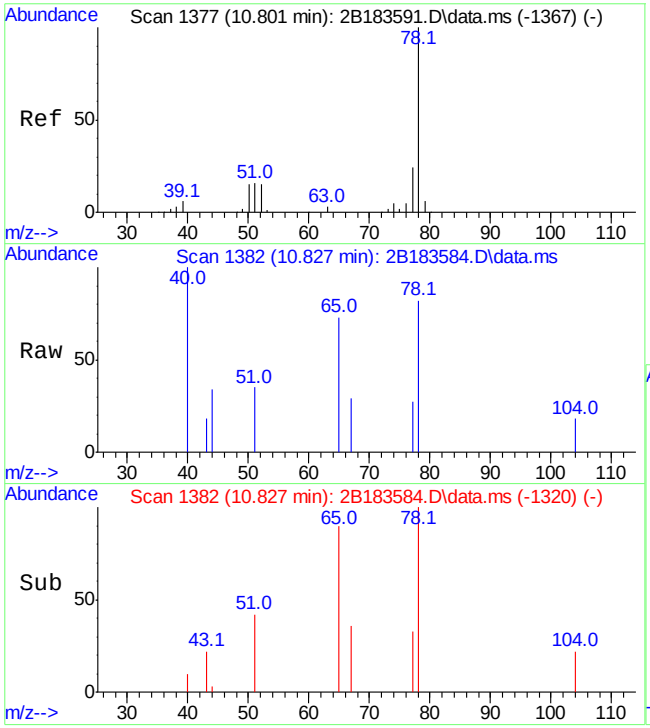


#46
cyclohexane
Concen: 0.16 ug/L
RT: 10.471 min Scan# 1314
Delta R.T. 0.005 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 84 Resp: 742

Ion	Ratio	Lower	Upper
84	100		
56	112.1	130.0	170.0#
41	104.7	65.8	105.8

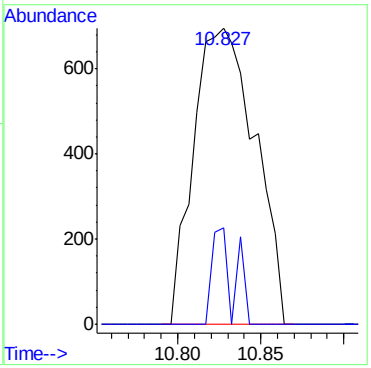


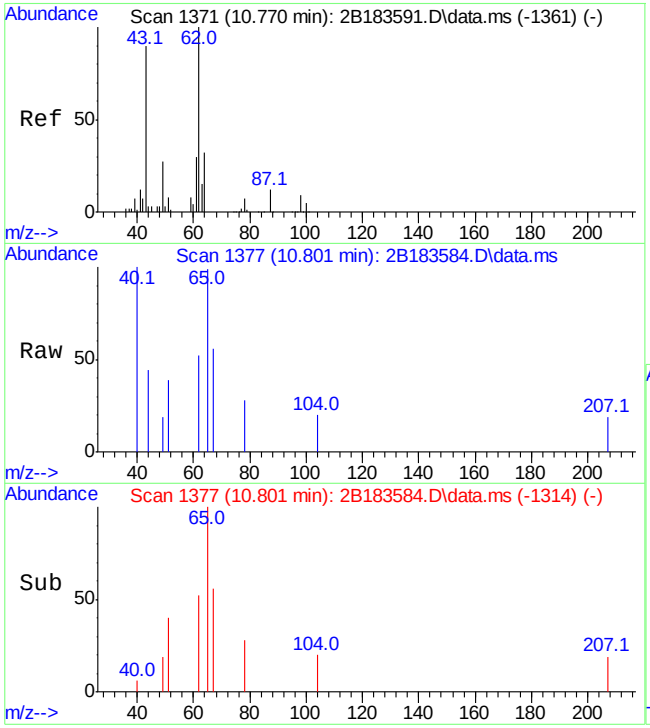


#55
benzene
Concen: 0.17 ug/L
RT: 10.827 min Scan# 1382
Delta R.T. 0.026 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 78 Resp: 1795

Ion	Ratio	Lower	Upper
78	100		
77	32.5	0.0	53.9

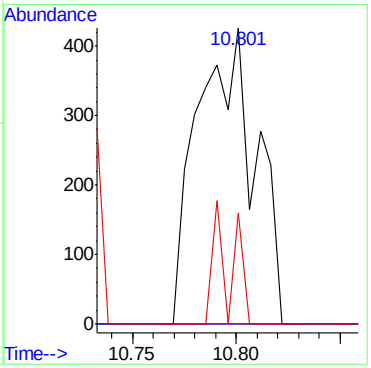


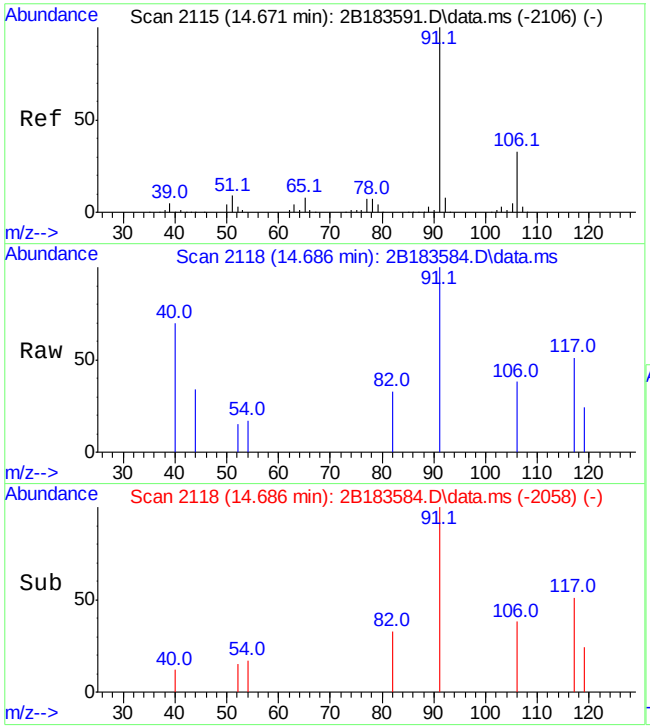


#59
1,2-dichloroethane
Concen: 0.20 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.031 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 62 Resp: 832

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	39.0
49	37.6	0.0	56.5

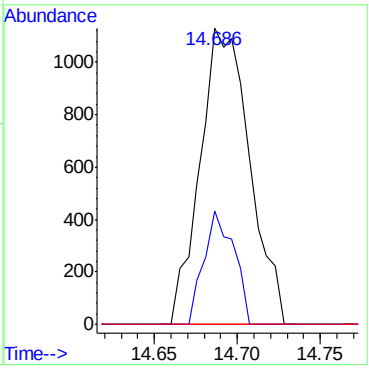


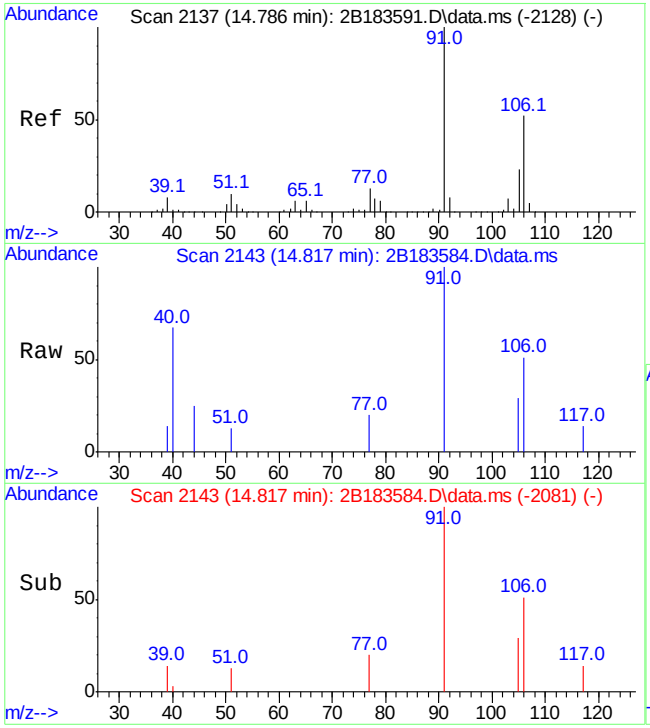


#88
ethylbenzene
Concen: 0.18 ug/L
RT: 14.686 min Scan# 2118
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 91 Resp: 2349

Ion	Ratio	Lower	Upper
91	100		
106	38.4	3.0	63.0
51	0.0	0.0	39.2

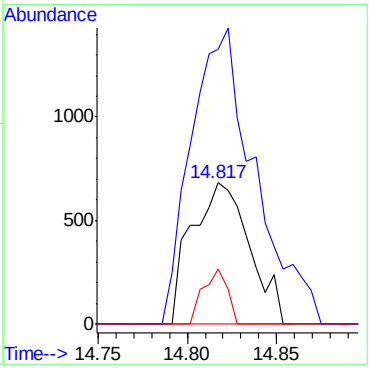


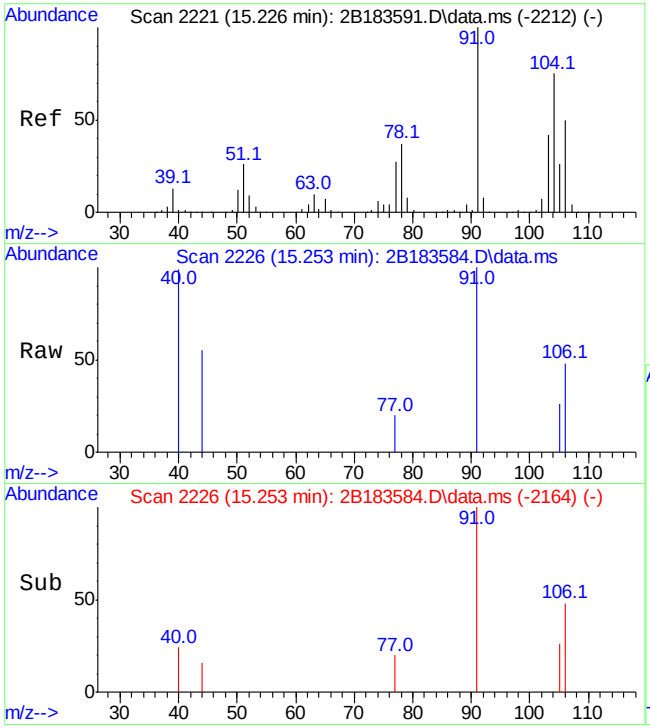


#89
m,p-xylene
Concen: 0.30 ug/L
RT: 14.817 min Scan# 2143
Delta R.T. 0.026 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:106 Resp: 1547

Ion	Ratio	Lower	Upper
106	100		
91	195.2	162.7	222.7
77	39.1	5.0	45.0

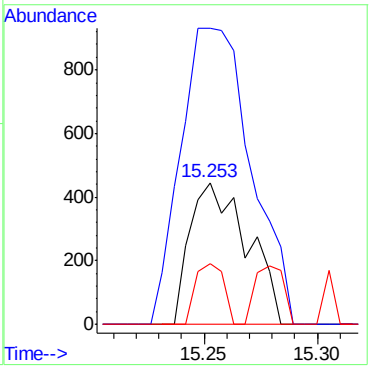


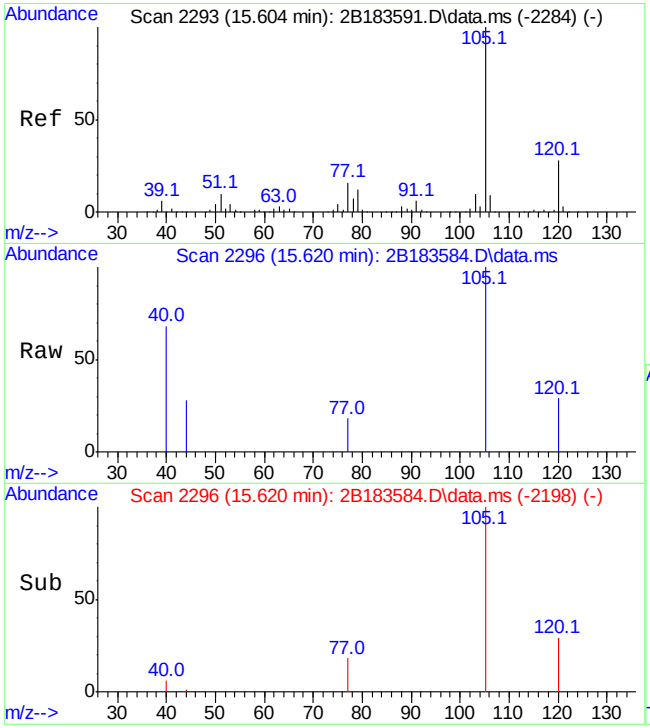


#90
o-xylene
Concen: 0.14 ug/L
RT: 15.253 min Scan# 2226
Delta R.T. 0.026 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:106 Resp: 779

Ion	Ratio	Lower	Upper
106	100		
91	209.2	169.5	229.5
77	42.5	33.1	73.1

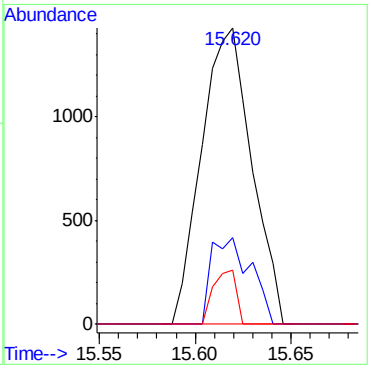


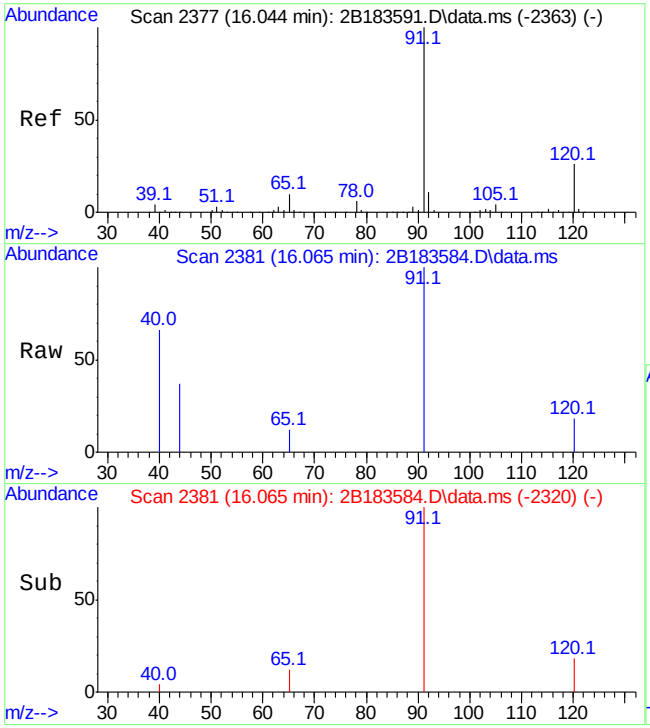


#95
isopropylbenzene
Concen: 0.17 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:105 Resp: 2585

Ion	Ratio	Lower	Upper
105	100		
120	29.1	7.6	47.6
77	18.1	0.0	35.7

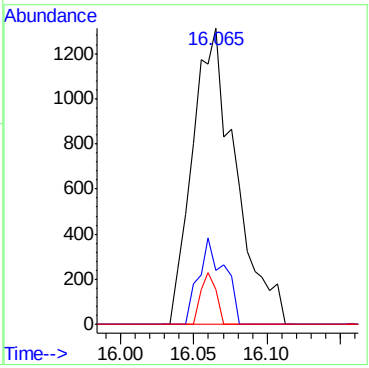


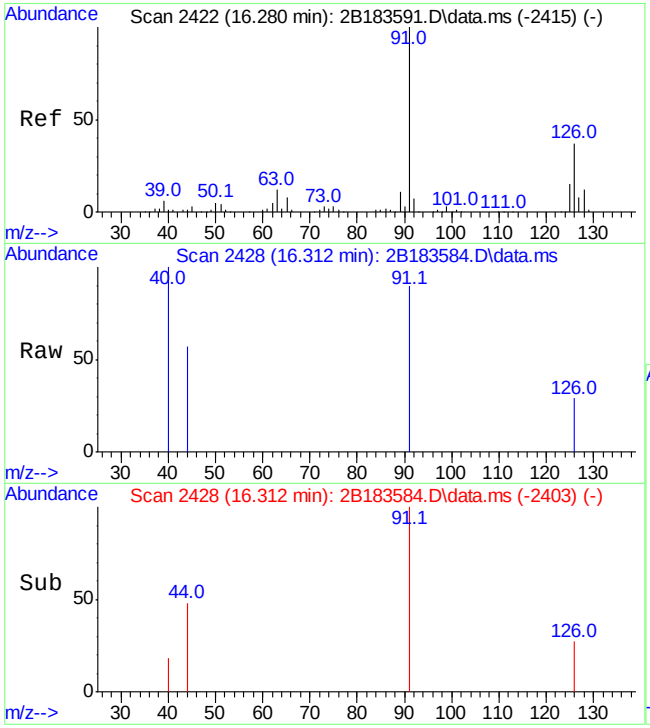


#103
n-propylbenzene
Concen: 0.16 ug/L
RT: 16.065 min Scan# 2381
Delta R.T. 0.021 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 91 Resp: 2697

Ion	Ratio	Lower	Upper
91	100		
120	18.1	0.0	55.5
65	11.7	0.0	39.9

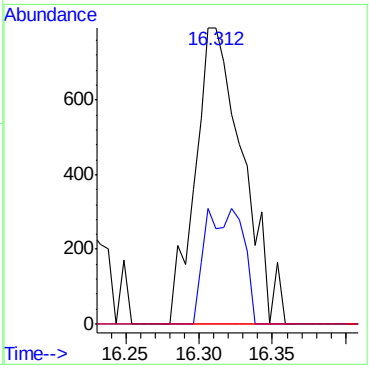


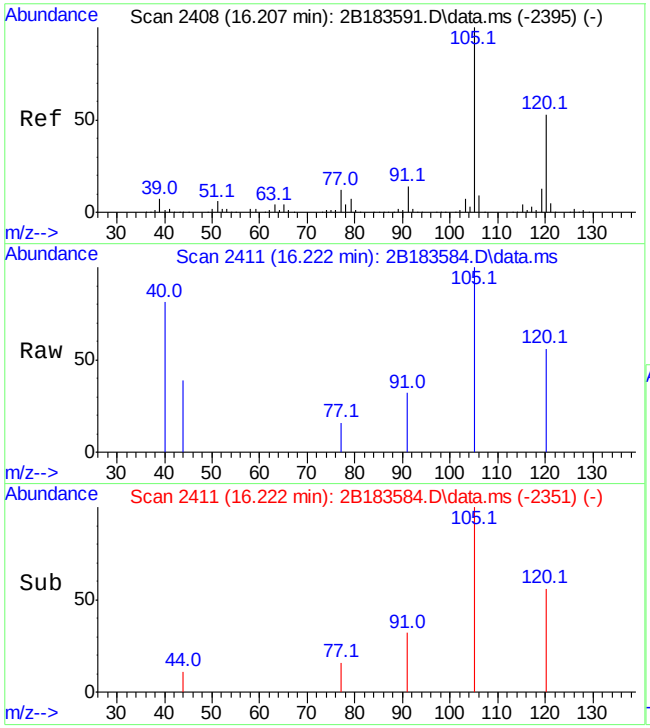


#105
4-chlorotoluene
Concen: 0.17 ug/L
RT: 16.312 min Scan# 2428
Delta R.T. 0.031 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion: 91 Resp: 1796

Ion	Ratio	Lower	Upper
91	100		
126	32.0	7.4	67.4
63	0.0	0.0	42.1

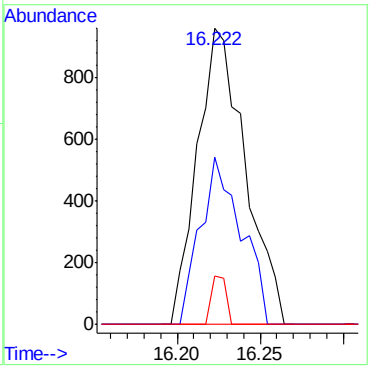


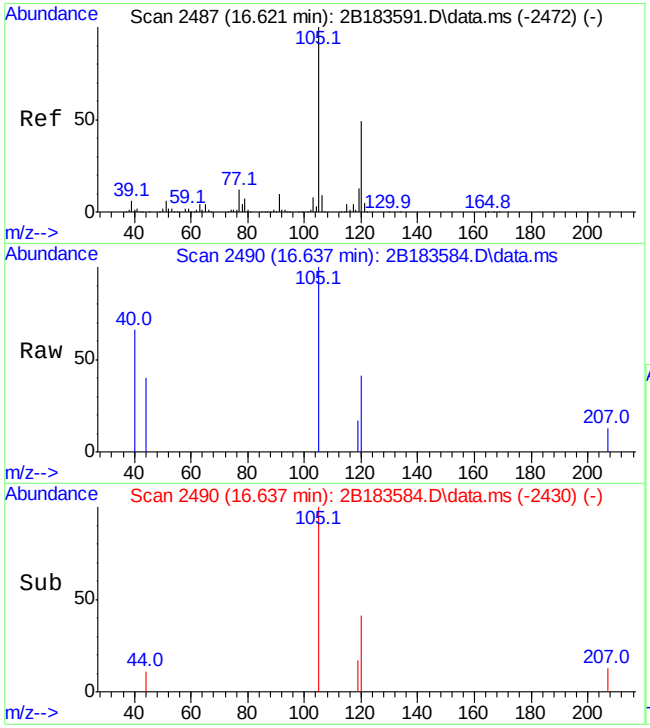


#106
1,3,5-trimethylbenzene
Concen: 0.15 ug/L
RT: 16.222 min Scan# 2411
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:105 Resp: 1925

Ion	Ratio	Lower	Upper
105	100		
120	56.4	22.7	82.7
77	16.3	0.0	42.1

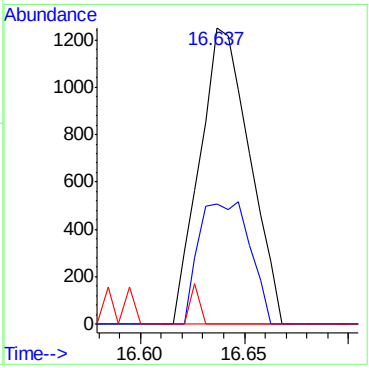


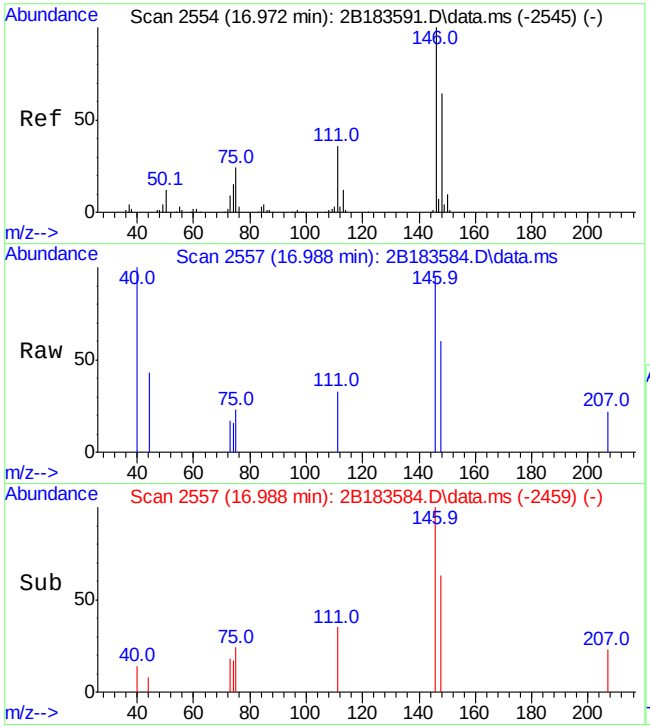


#108
1,2,4-trimethylbenzene
Concen: 0.16 ug/L
RT: 16.637 min Scan# 2490
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:105 Resp: 2083

Ion	Ratio	Lower	Upper
105	100		
120	40.6	19.5	79.5
77	0.0	0.0	41.6

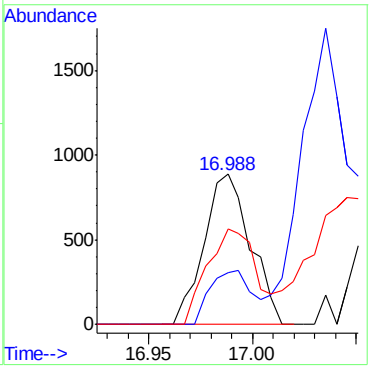


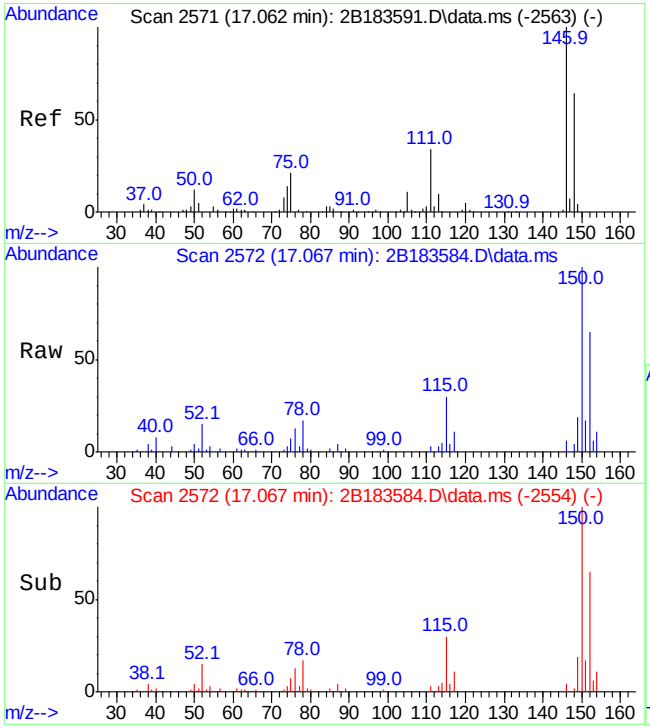


#110
1,3-dichlorobenzene
Concen: 0.17 ug/L
RT: 16.988 min Scan# 2557
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:146 Resp: 1381

Ion	Ratio	Lower	Upper
146	100		
111	34.8	6.0	66.0
148	63.4	34.1	94.1

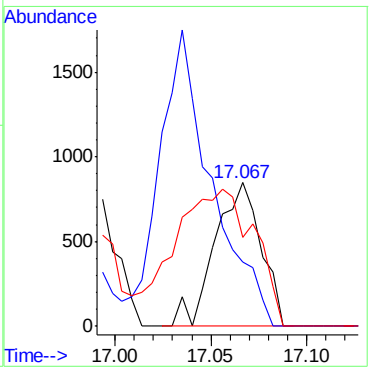


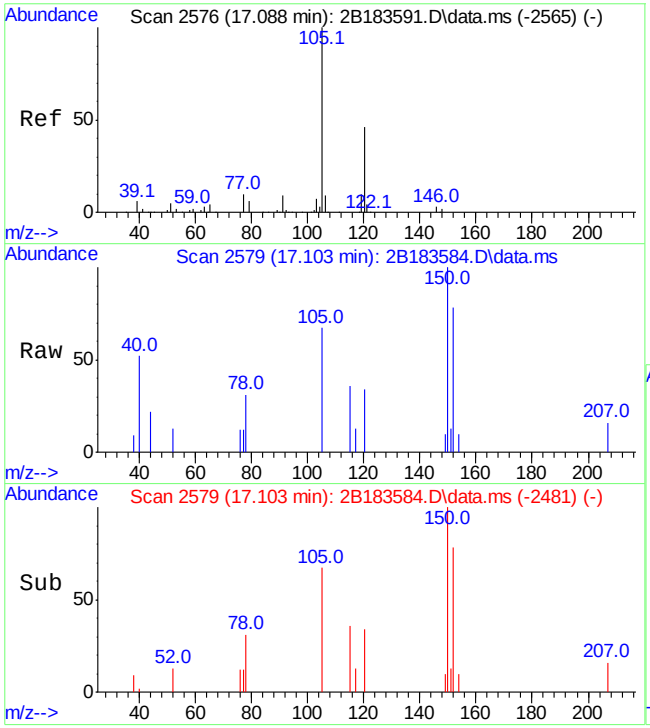


#112
1,4-dichlorobenzene
Concen: 0.18 ug/L
RT: 17.067 min Scan# 2572
Delta R.T. 0.005 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:146 Resp: 1405

Ion	Ratio	Lower	Upper
146	100		
111	44.6	4.0	64.0
148	61.9	34.3	94.3

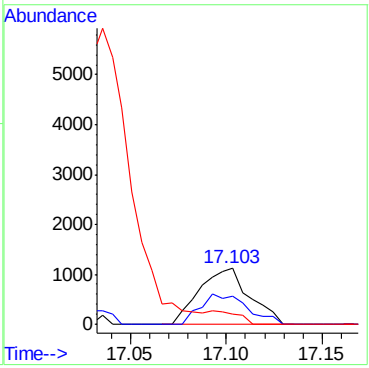


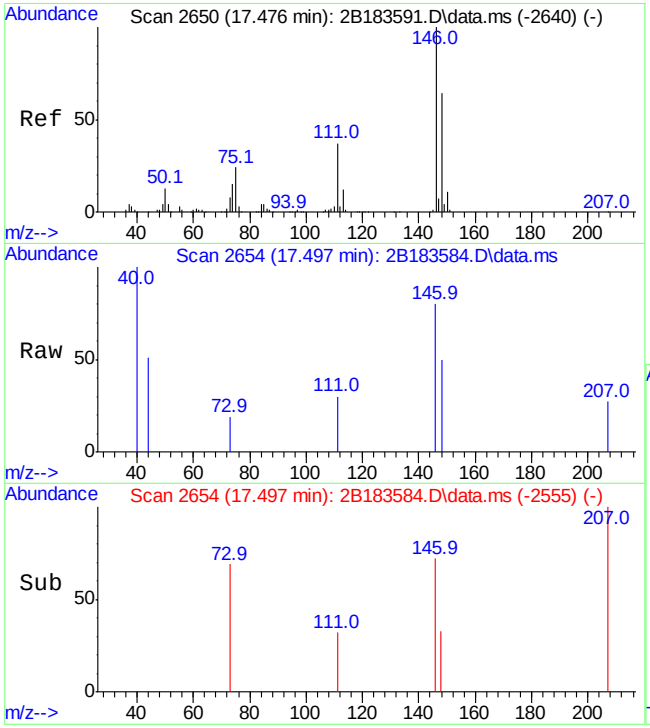


#114
1,2,3-trimethylbenzene
Concen: 0.16 ug/L
RT: 17.103 min Scan# 2579
Delta R.T. 0.016 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:105 Resp: 2028

Ion	Ratio	Lower	Upper
105	100		
120	50.4	16.3	76.3
77	17.9	0.0	41.7

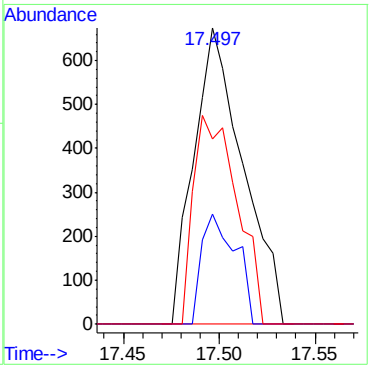




#115
1,2-dichlorobenzene
Concen: 0.15 ug/L
RT: 17.497 min Scan# 2654
Delta R.T. 0.021 min
Lab File: 2B183584.D
Acq: 16 Jun 21 5:57 pm

Tgt Ion:146 Resp: 1200

Ion	Ratio	Lower	Upper
146	100		
111	37.2	6.6	66.6
148	62.5	34.3	94.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183585.D
Acq On : 16 Jun 2021 6:26 pm
Operator : thienn
Sample : ic8337-0.5
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 18:18:18 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.739	65	125901	500.00	ug/L		-0.01
5) pentafluorobenzene	10.256	168	377988	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	501250	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	462856	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	259283	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	170440	50.39	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.78%				
52) 1,2-dichloroethane-d4 (s)	10.676	65	176289	51.06	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.12%				
74) toluene-d8 (s)	12.951	98	568654	50.84	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.68%				
98) 4-bromofluorobenzene (s)	15.793	95	212673	49.27	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.54%				
Target Compounds							Qvalue
6) chlorodifluoromethane	4.148	51	1866	0.39	ug/L		84
7) dichlorodifluoromethane	4.143	85	2572	0.41	ug/L		91
8) chloromethane	4.552	50	3006	0.52	ug/L		75
9) vinyl chloride	4.798	62	2487	0.46	ug/L		89
10) 1,3-butadiene	4.835	54	1579	0.41	ug/L		92
11) bromomethane	5.459	94	1900	0.49	ug/L		70
12) chloroethane	5.626	64	1224	0.46	ug/L		64
13) trichlorofluoromethane	6.140	101	2963	0.74	ug/L		71
16) freon 113	7.074	151	1323	0.40	ug/L	#	90
17) 1,1-dichloroethene	7.053	96	1289	0.46	ug/L	#	73
20) iodomethane	7.309	142	2893	0.47	ug/L		93
21) carbon disulfide	7.477	76	4479	0.48	ug/L		84
22) methylene chloride	7.802	84	1384	0.46	ug/L		92
24) methyl tert butyl ether	8.248	73	3958	0.46	ug/L		98
25) trans-1,2-dichloroethene	8.269	96	1360	0.46	ug/L		77
26) di-isopropyl ether	8.945	45	4134	0.45	ug/L		95
28) 1,1-dichloroethane	8.851	63	2175	0.42	ug/L		89
29) chloroprene	9.034	53	1496	0.40	ug/L		88
33) ethyl tert-butyl ether	9.449	59	4433	0.44	ug/L		97
35) 2,2-dichloropropane	9.679	77	2258	0.46	ug/L		89
36) cis-1,2-dichloroethene	9.669	96	1488	0.46	ug/L	#	74
41) chloroform	10.052	85	1907	0.51	ug/L	#	76
45) 1,1,1-trichloroethane	10.350	97	2018	0.42	ug/L		79
46) cyclohexane	10.466	84	2172	0.49	ug/L	#	78
47) 1,1-dichloropropene	10.560	75	1652	0.44	ug/L		95
49) carbon tetrachloride	10.592	117	2227	0.49	ug/L	#	75
54) 2,2,4-trimethylpentane	10.906	57	4401	0.46	ug/L		97
55) benzene	10.822	78	4981	0.47	ug/L		93
57) heptane	11.105	71	971	0.43	ug/L		85
59) 1,2-dichloroethane	10.796	62	1981	0.49	ug/L		82
60) trichloroethene	11.577	130	1455	0.44	ug/L	#	80
63) 2-chloroethyl vinyl ether	12.421	63	3221	2.00	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183585.D
Acq On : 16 Jun 2021 6:26 pm
Operator : thienn
Sample : ic8337-0.5
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 18:18:18 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

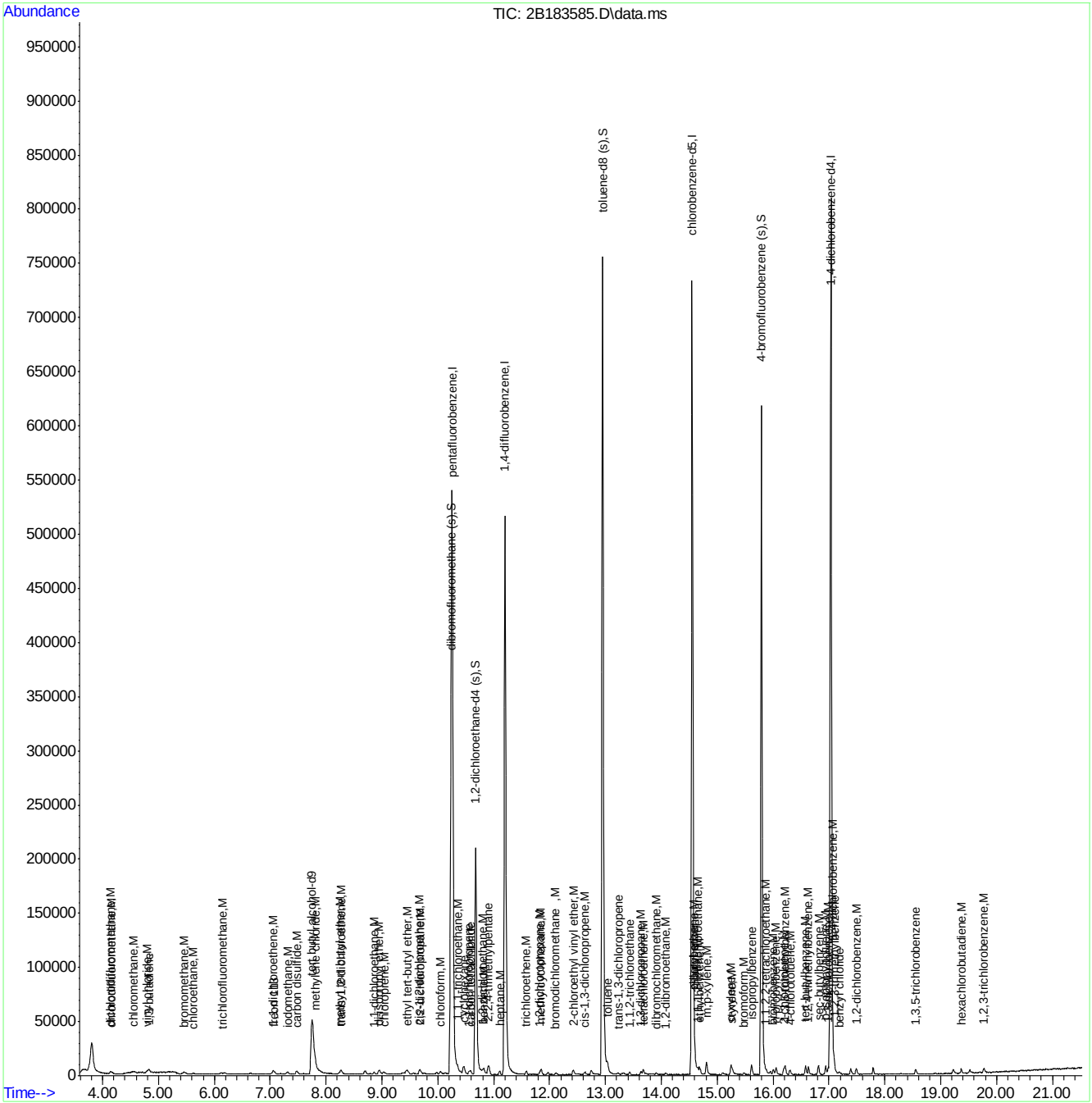
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) 1,2-dichloropropane	11.829	63	1229	0.46 ug/L #	48
67) methylcyclohexane	11.845	83	2242	0.43 ug/L	94
68) bromodichloromethane	12.107	83	1751	0.43 ug/L	97
70) cis-1,3-dichloropropene	12.626	75	1992	0.43 ug/L	92
75) toluene	13.035	92	3041	0.46 ug/L	94
76) trans-1,3-dichloropropene	13.234	75	1391	0.37 ug/L	99
78) 1,1,2-trichloroethane	13.439	83	812	0.40 ug/L #	77
79) tetrachloroethene	13.680	164	1326	0.48 ug/L	89
80) 1,3-dichloropropane	13.638	76	1864	0.47 ug/L	94
83) dibromochloromethane	13.905	129	1594	0.47 ug/L	87
84) 1,2-dibromoethane	14.073	107	992	0.39 ug/L	98
85) n-butyl ether	14.592	57	4227	0.42 ug/L	86
86) chlorobenzene	14.592	112	3587	0.46 ug/L	80
87) 1,1,1,2-tetrachloroethane	14.655	131	1377	0.44 ug/L	88
88) ethylbenzene	14.681	91	5902	0.46 ug/L	94
89) m,p-xylene	14.807	106	4633	0.90 ug/L	94
90) o-xylene	15.242	106	2499	0.46 ug/L #	81
91) styrene	15.263	104	3669	0.42 ug/L	90
93) bromoform	15.473	173	1080	0.42 ug/L	93
95) isopropylbenzene	15.614	105	6801	0.46 ug/L	94
99) bromobenzene	15.997	156	1754	0.43 ug/L	82
100) 1,1,2,2-tetrachloroethane	15.871	83	1417	0.42 ug/L	85
103) n-propylbenzene	16.055	91	7275	0.45 ug/L	95
104) 2-chlorotoluene	16.191	126	1478	0.40 ug/L	90
105) 4-chlorotoluene	16.307	91	4699	0.46 ug/L	98
106) 1,3,5-trimethylbenzene	16.217	105	5783	0.47 ug/L	99
107) tert-butylbenzene	16.579	134	1230	0.45 ug/L #	85
108) 1,2,4-trimethylbenzene	16.632	105	5530	0.44 ug/L	95
109) sec-butylbenzene	16.815	105	7172	0.44 ug/L	90
110) 1,3-dichlorobenzene	16.988	146	3874	0.49 ug/L	97
111) p-isopropyltoluene	16.941	119	6180	0.43 ug/L	97
112) 1,4-dichlorobenzene	17.062	146	3589	0.46 ug/L	83
113) benzyl chloride	17.187	91	2796	0.40 ug/L	95
114) 1,2,3-trimethylbenzene	17.098	105	5562	0.45 ug/L	88
115) 1,2-dichlorobenzene	17.491	146	3465	0.44 ug/L	95
119) 1,3,5-trichlorobenzene	18.545	180	2844	0.42 ug/L	92
122) hexachlorobutadiene	19.363	225	1366	0.43 ug/L	77
124) 1,2,3-trichlorobenzene	19.772	180	2169	0.42 ug/L	78

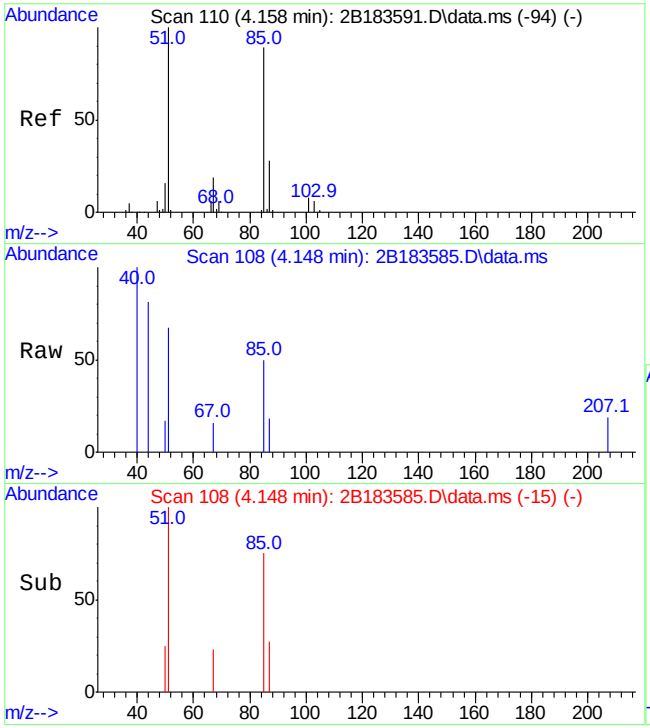
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183585.D
Acq On : 16 Jun 2021 6:26 pm
Operator : thienn
Sample : ic8337-0.5
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 17 18:18:18 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

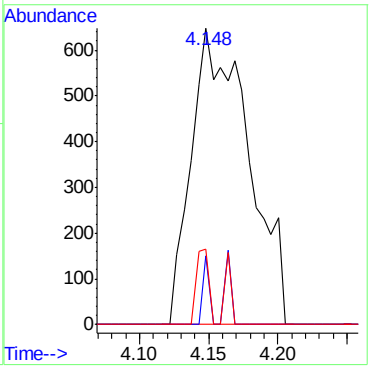


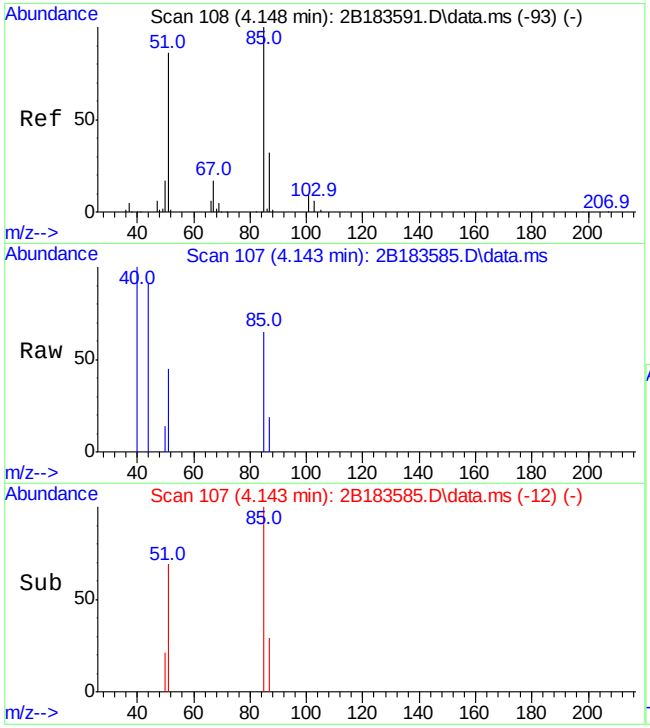


#6
chlorodifluoromethane
Concen: 0.39 ug/L
RT: 4.148 min Scan# 108
Delta R.T. -0.010 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 51 Resp: 1866

Ion	Ratio	Lower	Upper
51	100		
67	23.3	0.0	48.7
50	25.3	0.0	45.8

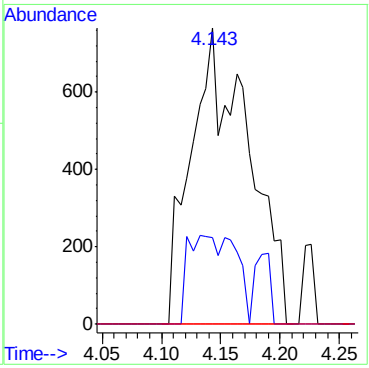


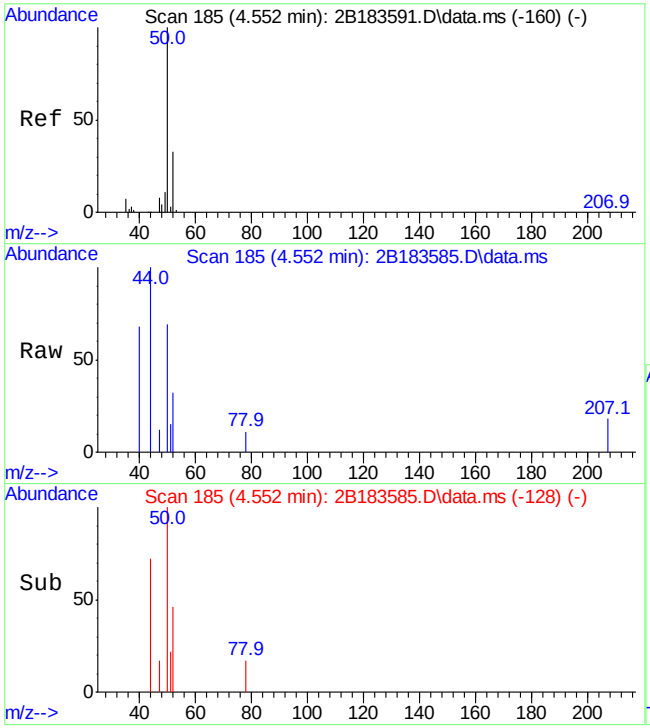


#7
dichlorodifluoromethane
Concen: 0.41 ug/L
RT: 4.143 min Scan# 107
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 85 Resp: 2572

Ion	Ratio	Lower	Upper
85	100		
87	29.2	1.9	61.9
101	0.0	0.0	39.2

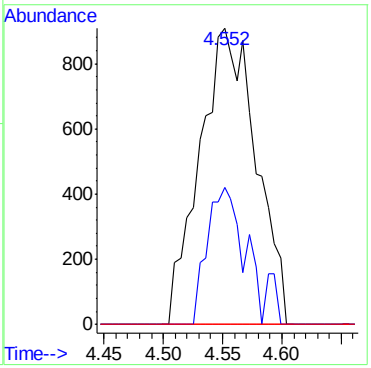


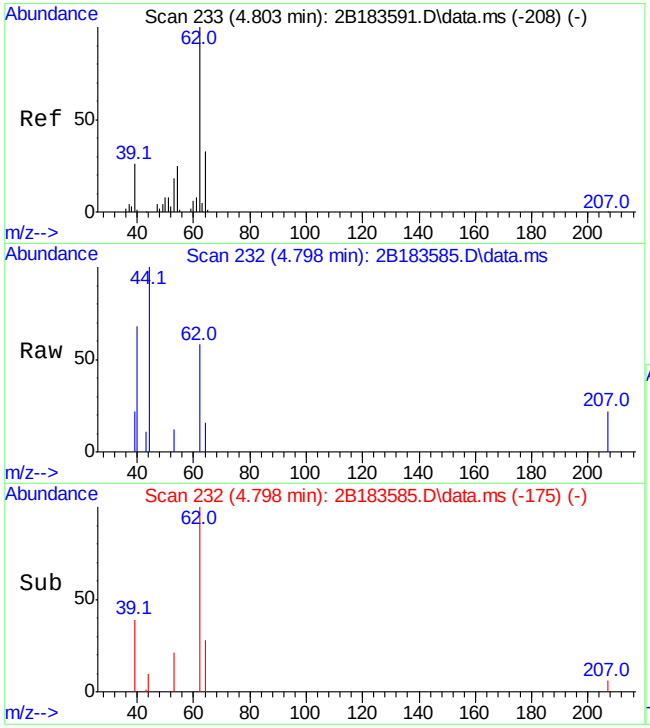


#8
chloromethane
Concen: 0.52 ug/L
RT: 4.552 min Scan# 185
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	46.3	2.9	62.9
49	0.0	0.0	41.3

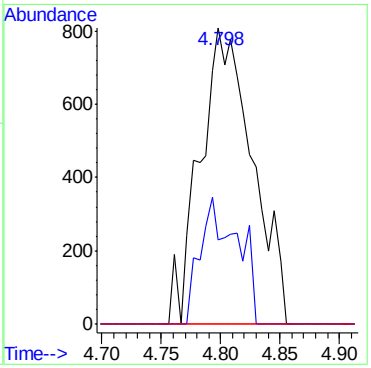


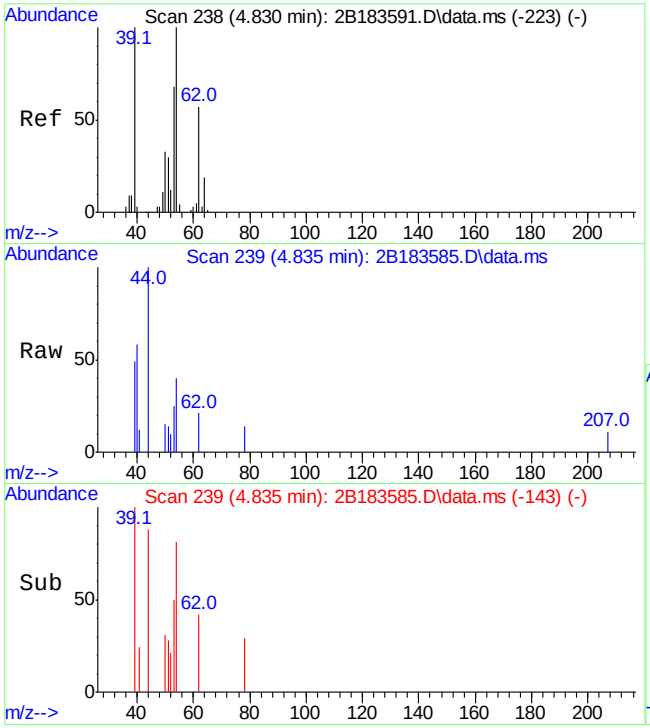


#9
vinyl chloride
Concen: 0.46 ug/L
RT: 4.798 min Scan# 232
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 62 Resp: 2487

Ion	Ratio	Lower	Upper
62	100		
64	28.5	3.0	63.0
61	0.0	0.0	38.4

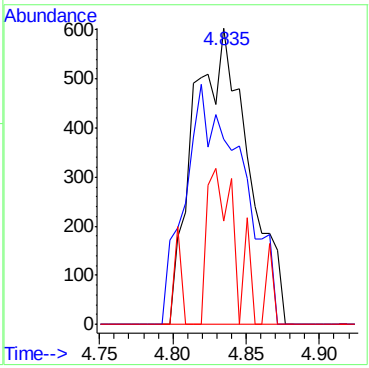


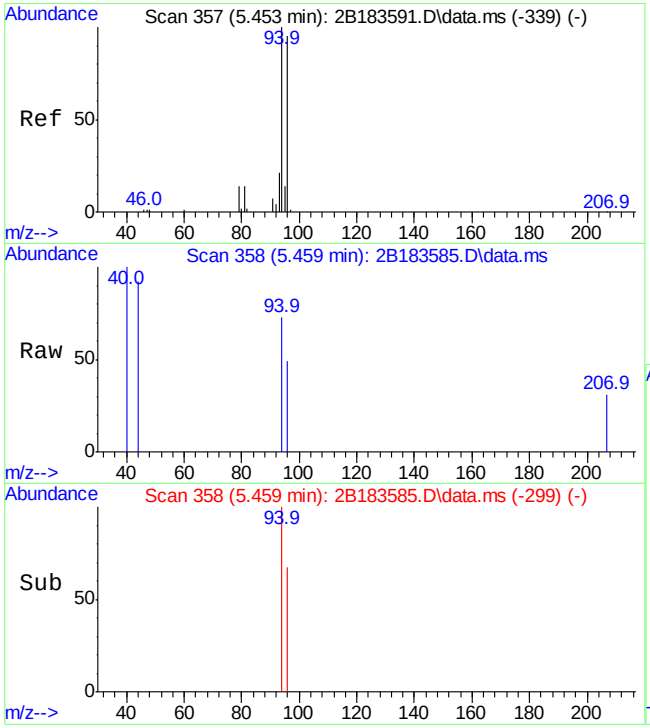


#10
1,3-butadiene
Concen: 0.41 ug/L
RT: 4.835 min Scan# 239
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 54 Resp: 1579

Ion	Ratio	Lower	Upper
54	100		
53	62.4	38.4	98.4
51	34.8	0.0	60.0

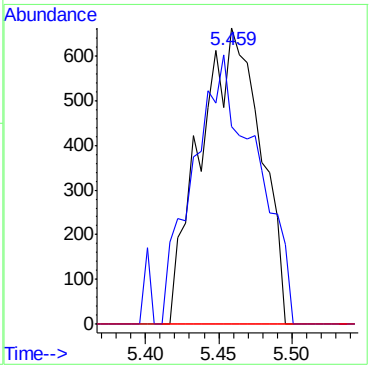


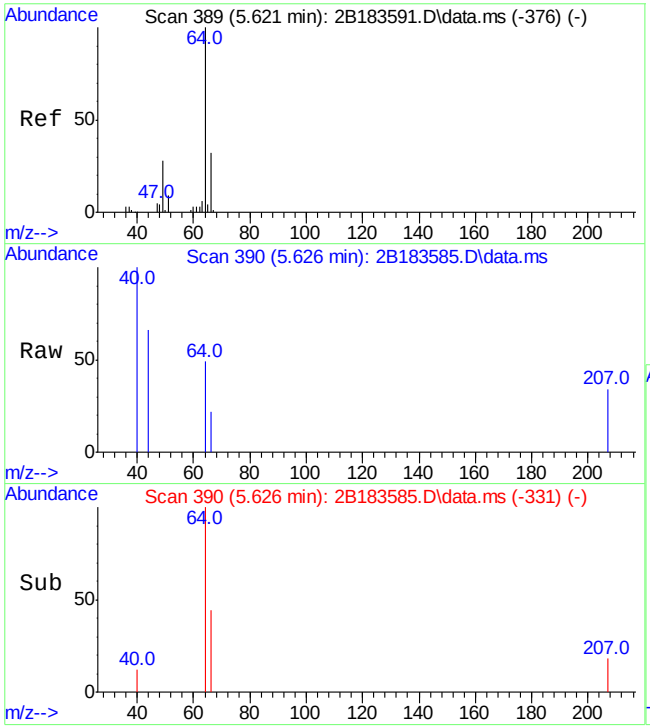


#11
bromomethane
Concen: 0.49 ug/L
RT: 5.459 min Scan# 358
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 94 Resp: 1900

Ion	Ratio	Lower	Upper
94	100		
96	66.8	65.2	125.2
79	0.0	0.0	44.4

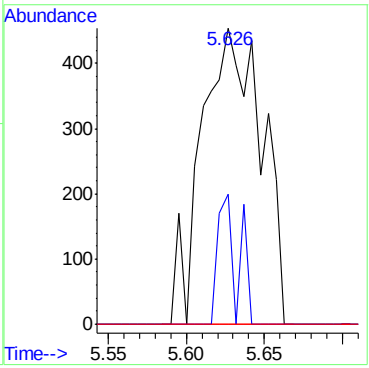


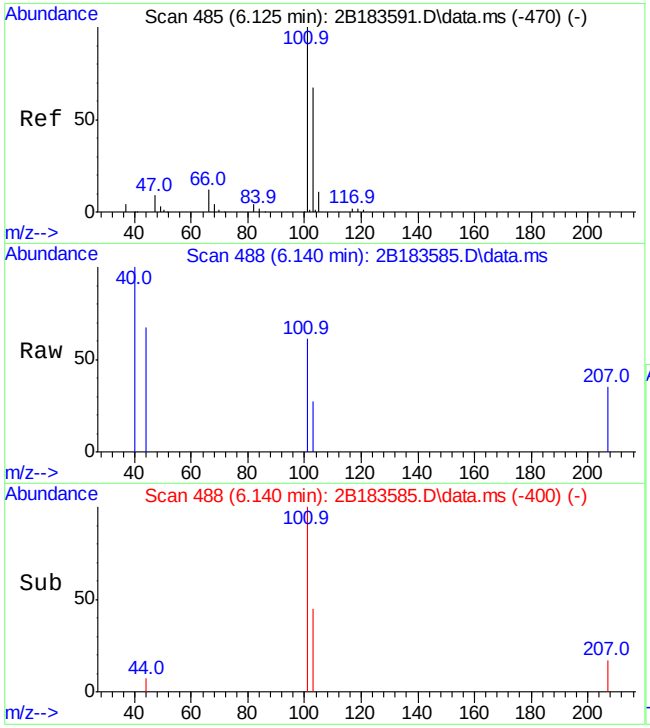


#12
chloroethane
Concen: 0.46 ug/L
RT: 5.626 min Scan# 390
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 64 Resp: 1224

Ion	Ratio	Lower	Upper
64	100		
66	44.1	1.7	61.7
49	0.0	0.0	57.6

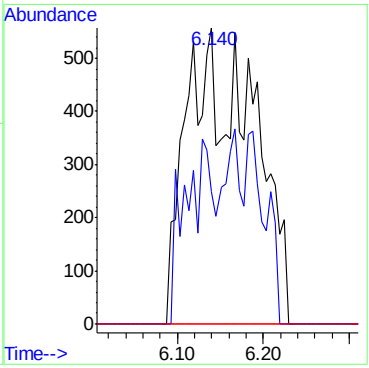


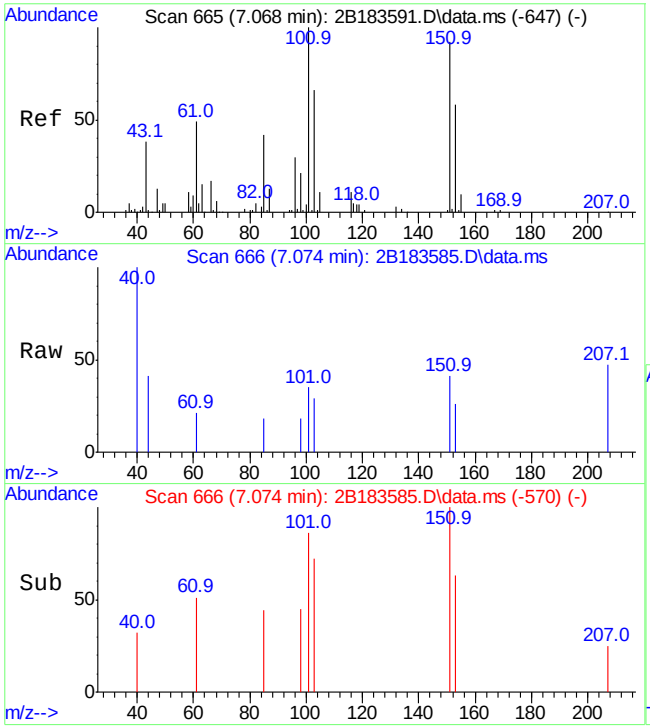


#13
trichlorofluoromethane
Concen: 0.74 ug/L
RT: 6.140 min Scan# 488
Delta R.T. -0.037 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:101 Resp: 2963

Ion	Ratio	Lower	Upper
101	100		
103	44.5	37.3	97.3
66	0.0	0.0	42.3

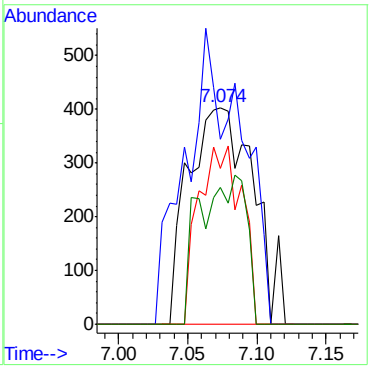


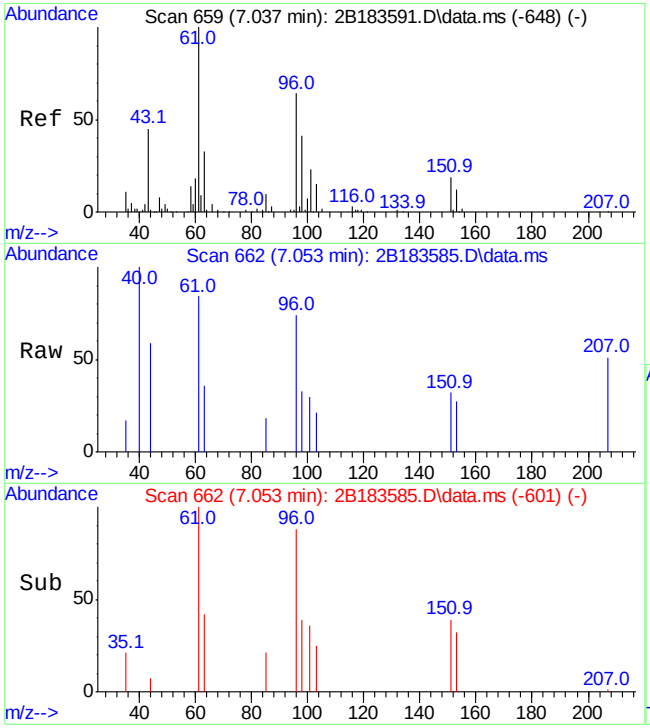


#16
freon 113
Concen: 0.40 ug/L
RT: 7.074 min Scan# 666
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:151 Resp: 1323

Ion	Ratio	Lower	Upper
151	100		
101	85.6	88.6	128.6#
103	72.0	52.2	92.2
153	63.0	42.8	82.8

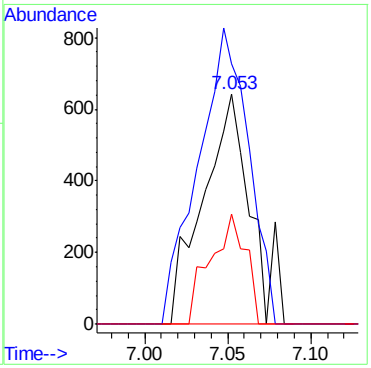


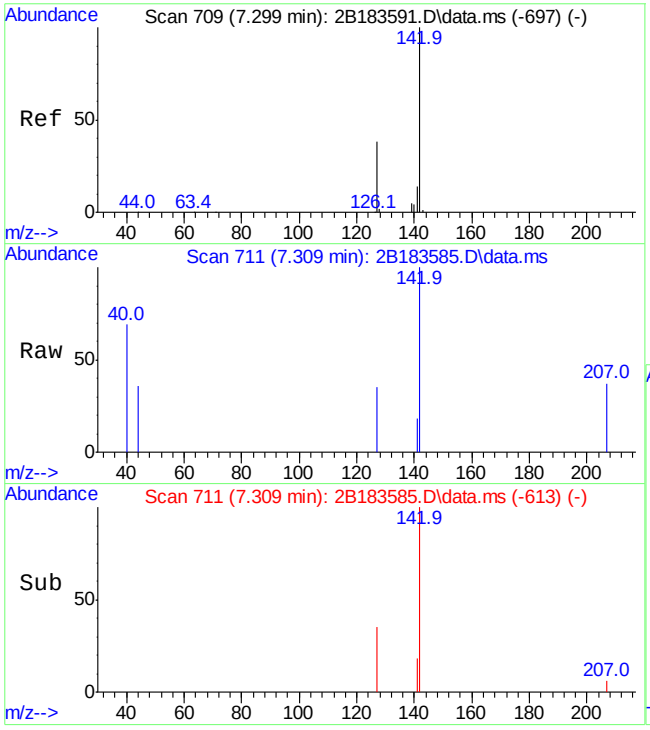


#17
1,1-dichloroethene
Concen: 0.46 ug/L
RT: 7.053 min Scan# 662
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 96 Resp: 1289

Ion	Ratio	Lower	Upper
96	100		
61	113.1	127.2	187.2#
63	47.9	21.7	81.7

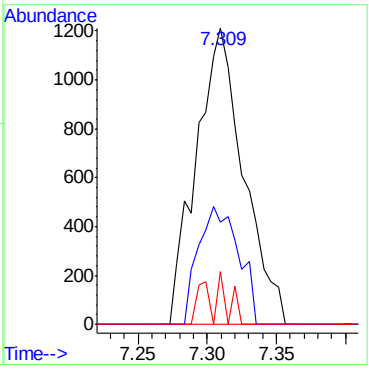


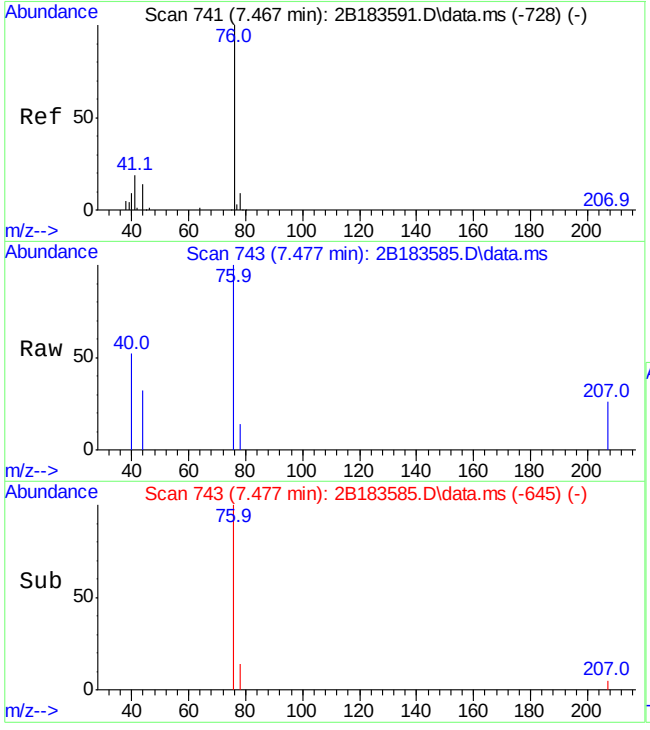


#20
iodomethane
Concen: 0.47 ug/L
RT: 7.309 min Scan# 711
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:142 Resp: 2893

Ion	Ratio	Lower	Upper
142	100		
127	34.5	8.2	68.2
141	18.0	0.0	43.6

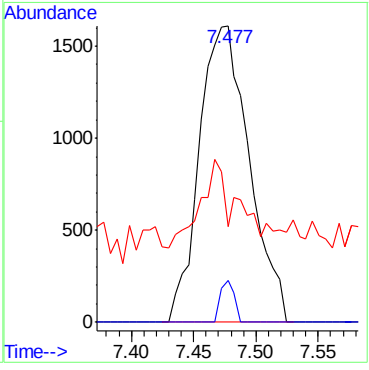


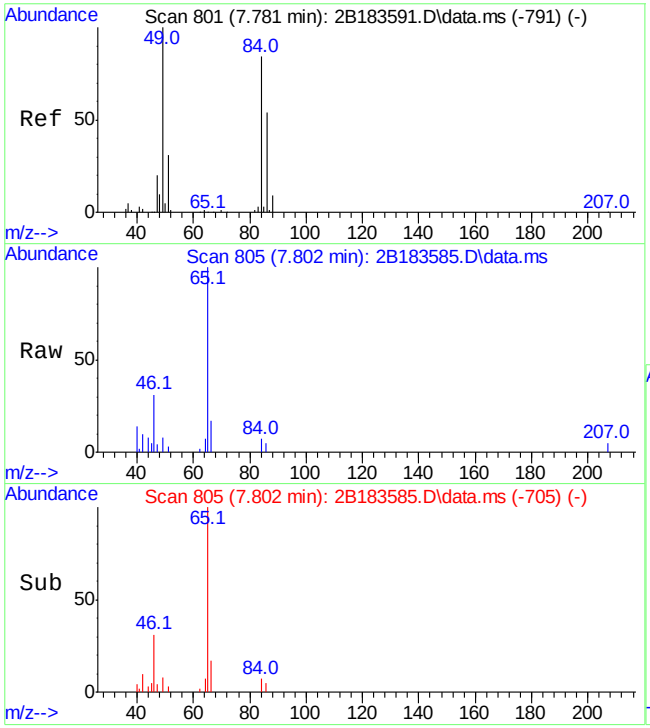


#21
carbon disulfide
Concen: 0.48 ug/L
RT: 7.477 min Scan# 743
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 76 Resp: 4479

Ion	Ratio	Lower	Upper
76	100		
78	14.2	0.0	39.2
44	6.7	0.0	44.1

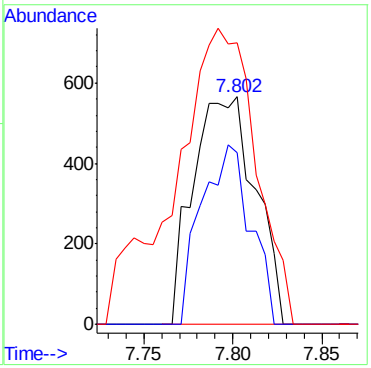


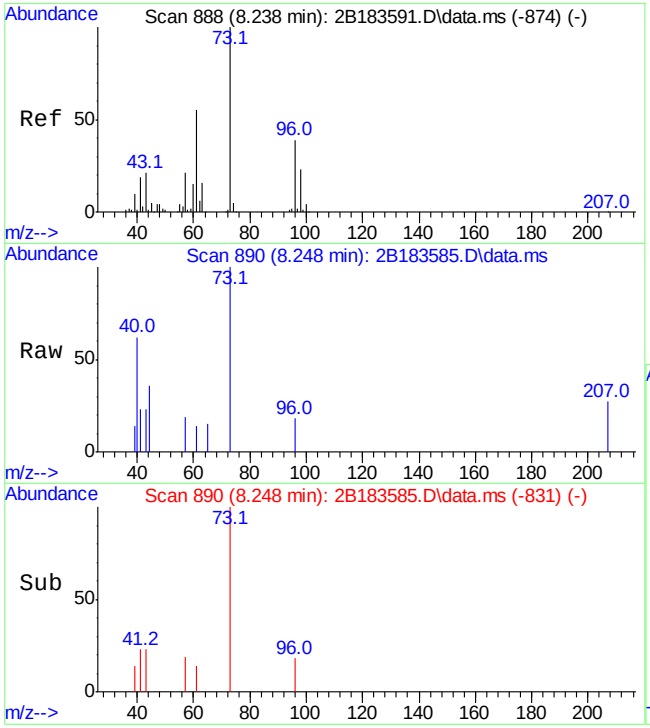


#22
methylene chloride
Concen: 0.46 ug/L
RT: 7.802 min Scan# 805
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 84 Resp: 1384

Ion	Ratio	Lower	Upper
84	100		
86	75.4	34.1	94.1
49	123.7	88.6	148.6

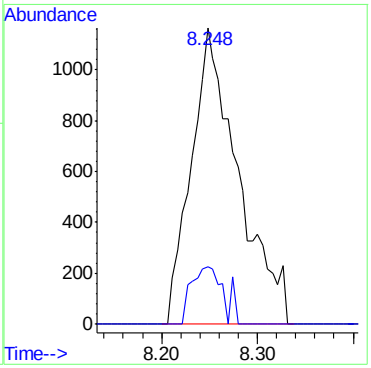


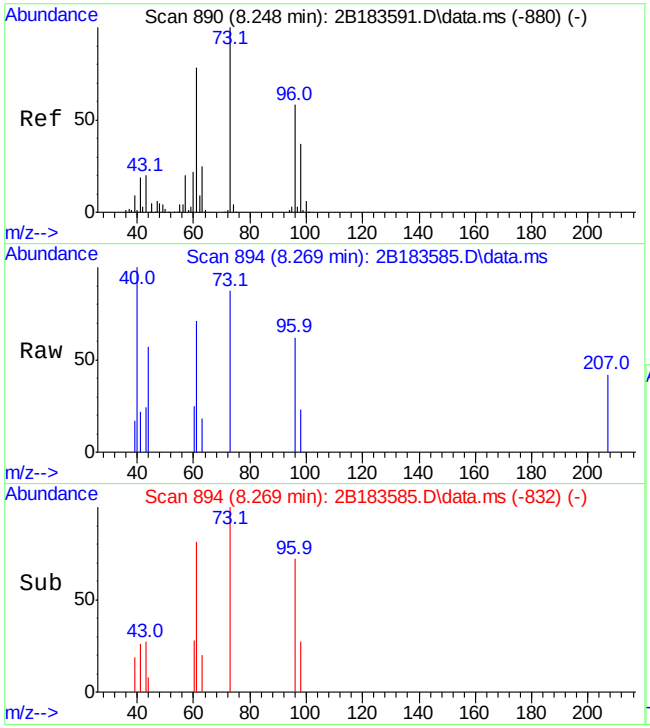


#24
methyl tert butyl ether
Concen: 0.46 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 73 Resp: 3958

Ion	Ratio	Lower	Upper
73	100		
57	19.5	0.0	220.5

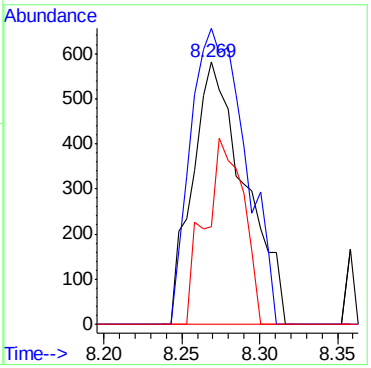


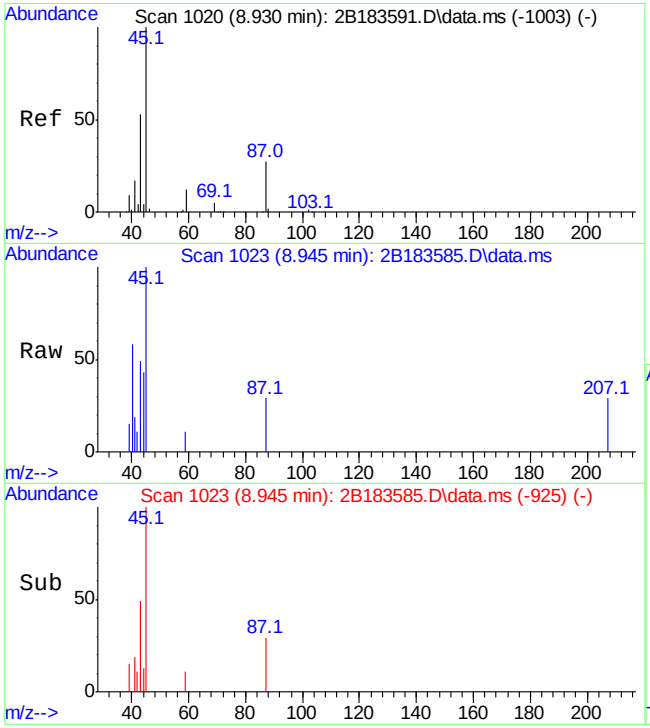


#25
trans-1,2-dichloroethene
Concen: 0.46 ug/L
RT: 8.269 min Scan# 894
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 96 Resp: 1360

Ion	Ratio	Lower	Upper
96	100		
61	112.9	103.8	163.8
98	37.3	34.0	94.0

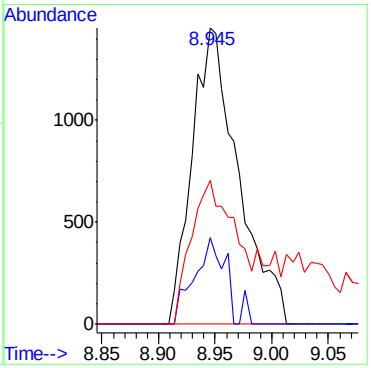


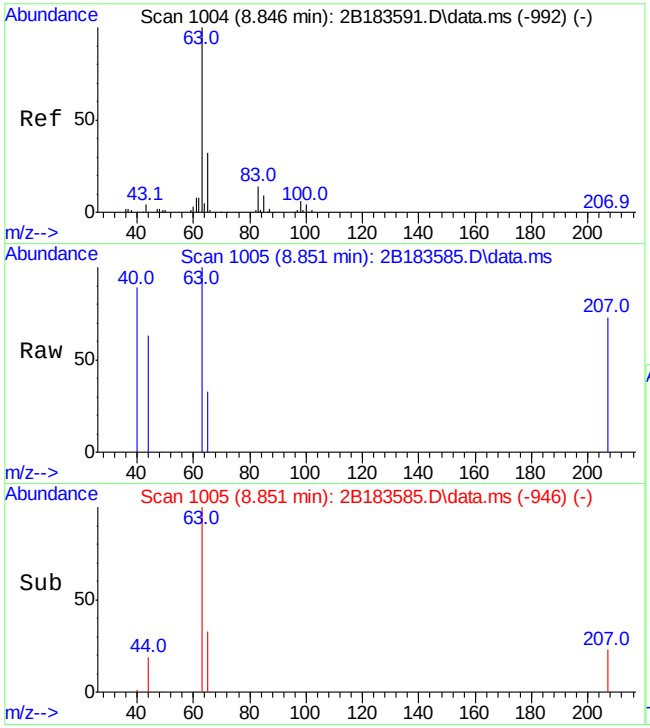


#26
di-isopropyl ether
Concen: 0.45 ug/L
RT: 8.945 min Scan# 1023
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 45 Resp: 4134

Ion	Ratio	Lower	Upper
45	100		
87	29.0	0.0	58.0
43	48.6	23.4	83.4

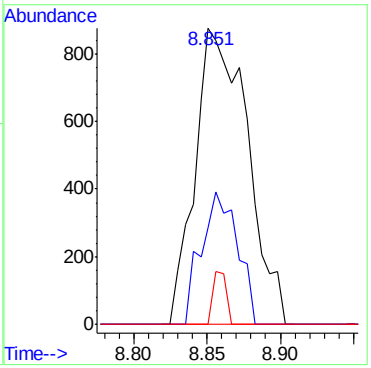


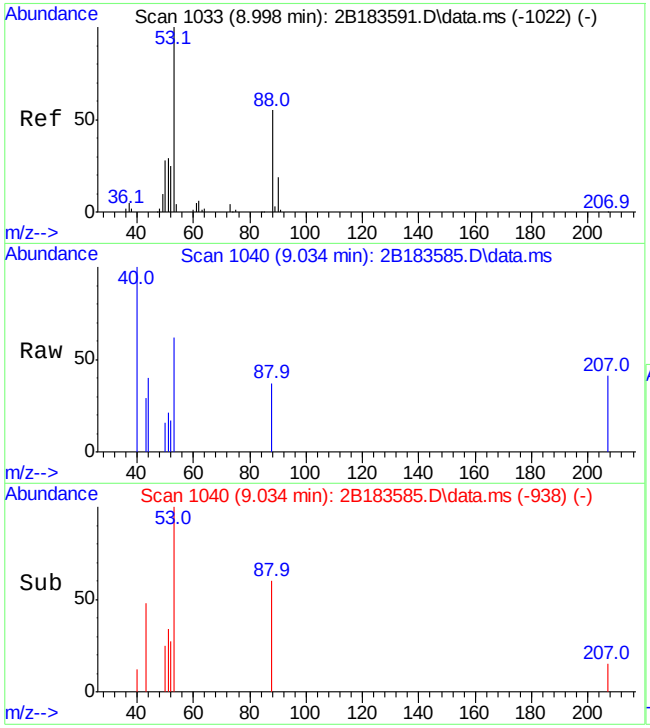


#28
1,1-dichloroethane
Concen: 0.42 ug/L
RT: 8.851 min Scan# 1005
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 63 Resp: 2175

Ion	Ratio	Lower	Upper
63	100		
65	32.6	2.1	62.1
83	0.0	0.0	44.4

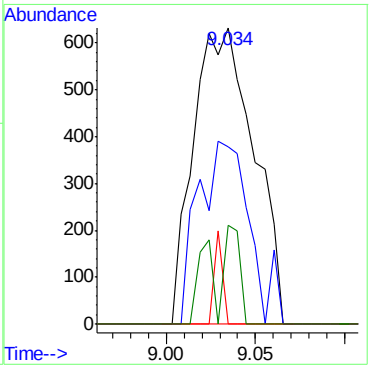


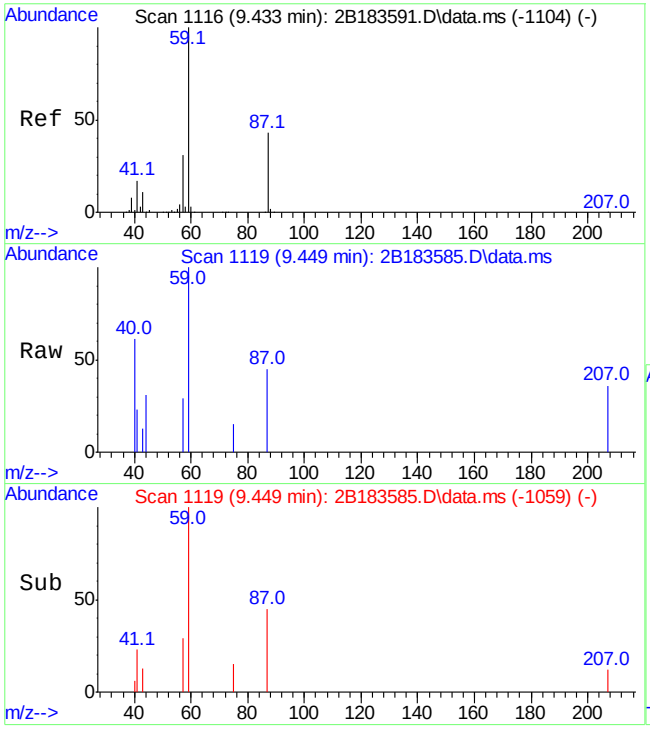


#29
chloroprene
Concen: 0.40 ug/L
RT: 9.034 min Scan# 1040
Delta R.T. 0.037 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 53 Resp: 1496

Ion	Ratio	Lower	Upper
53	100		
88	59.8	27.4	87.4
90	0.0	0.0	48.9
51	33.5	0.0	59.1

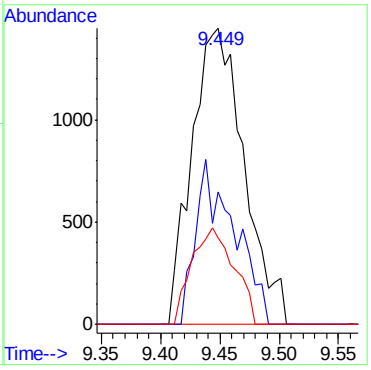


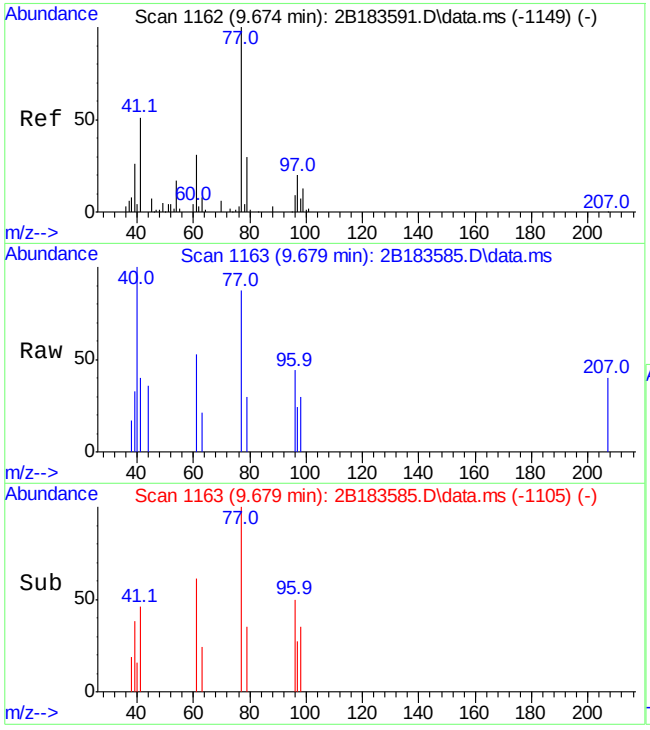


#33
ethyl tert-butyl ether
Concen: 0.44 ug/L
RT: 9.449 min Scan# 1119
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 59 Resp: 4433

Ion	Ratio	Lower	Upper
59	100		
87	44.6	12.7	72.7
57	29.3	0.9	60.9

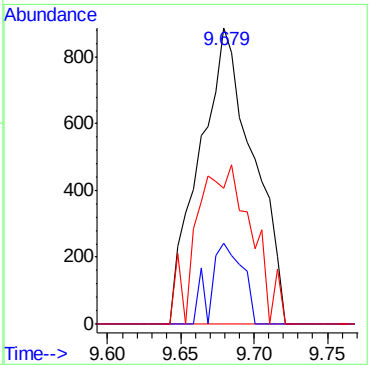


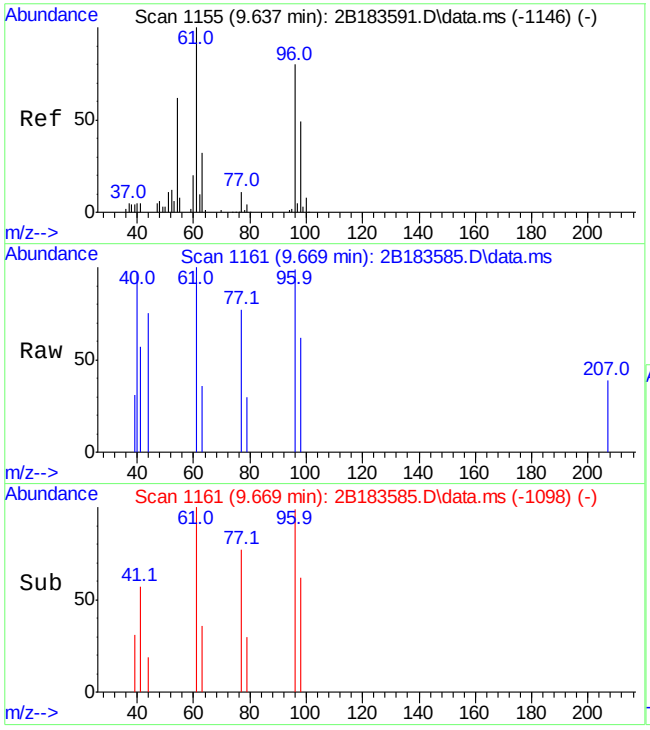


#35
2,2-dichloropropane
Concen: 0.46 ug/L
RT: 9.679 min Scan# 1163
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 77 Resp: 2258

Ion	Ratio	Lower	Upper
77	100		
97	27.3	0.0	50.3
41	45.7	21.9	81.9

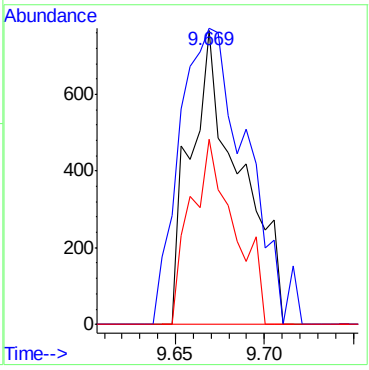


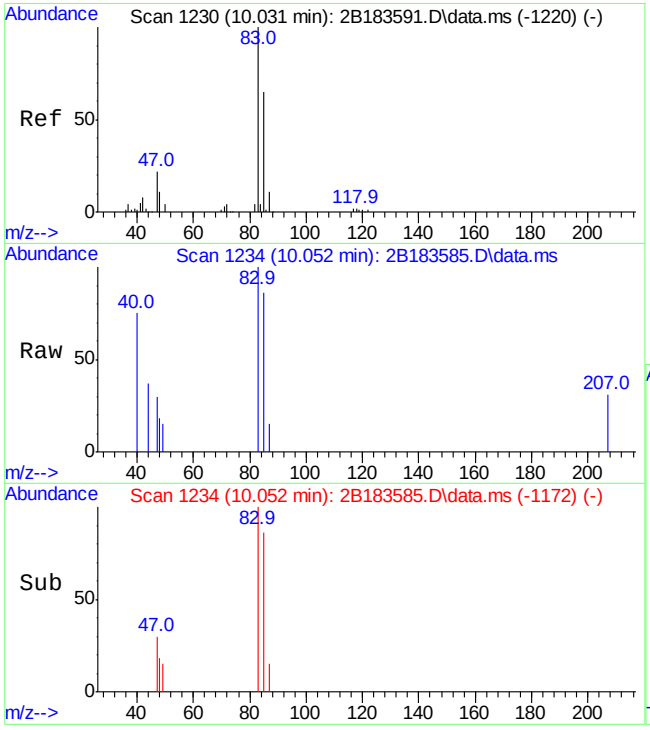


#36
cis-1,2-dichloroethene
Concen: 0.46 ug/L
RT: 9.669 min Scan# 1161
Delta R.T. 0.032 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 96 Resp: 1488

Ion	Ratio	Lower	Upper
96	100		
61	80.9	95.1	155.1#
98	62.9	31.7	91.7

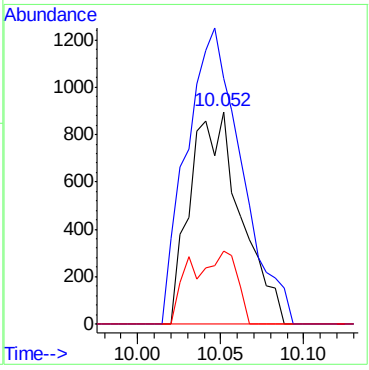


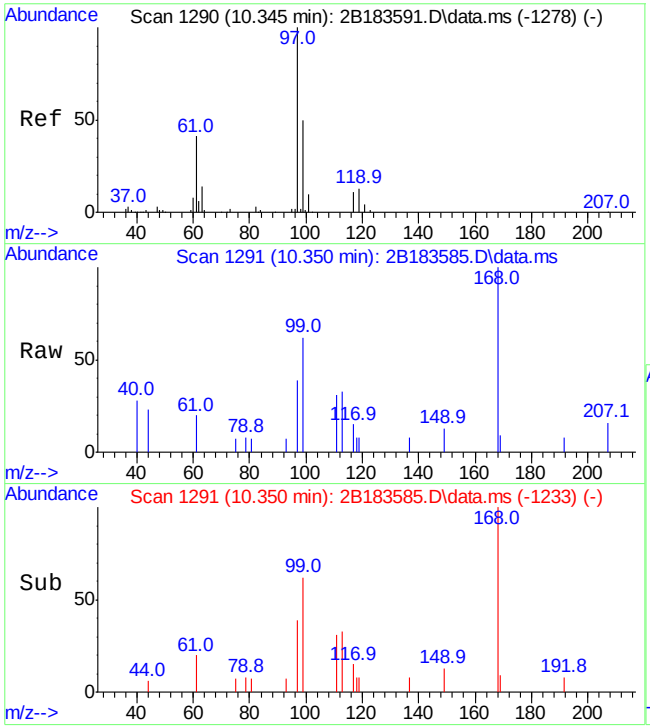


#41
chloroform
Concen: 0.51 ug/L
RT: 10.052 min Scan# 1234
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 85 Resp: 1907

Ion	Ratio	Lower	Upper
85	100		
83	116.0	123.5	183.5#
47	34.5	6.5	66.5

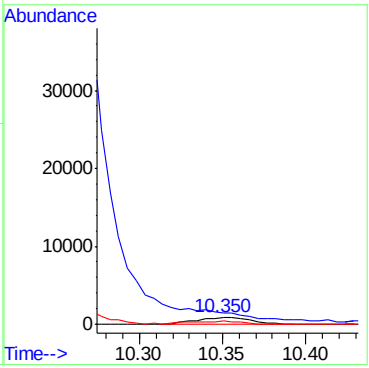


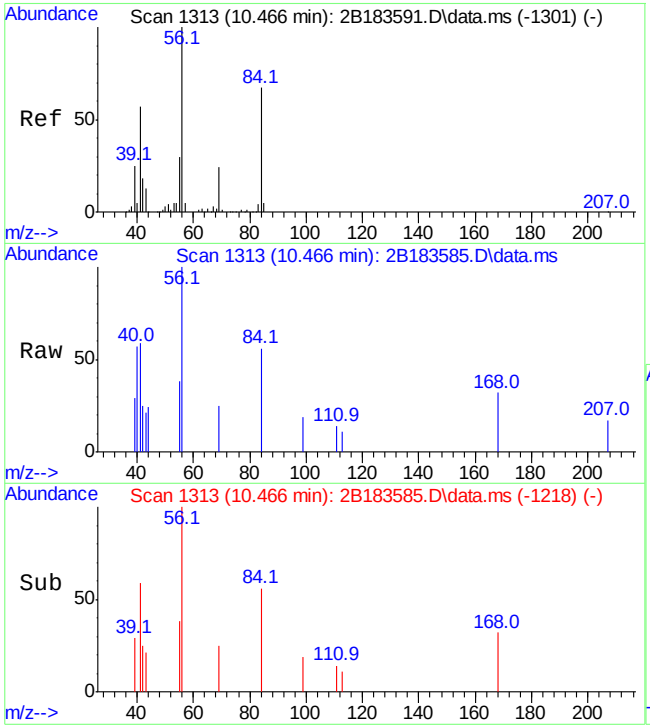


#45
1,1,1-trichloroethane
Concen: 0.42 ug/L
RT: 10.350 min Scan# 1291
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 97 Resp: 2018

Ion	Ratio	Lower	Upper
97	100		
99	86.0	35.8	95.8
61	50.9	12.1	72.1

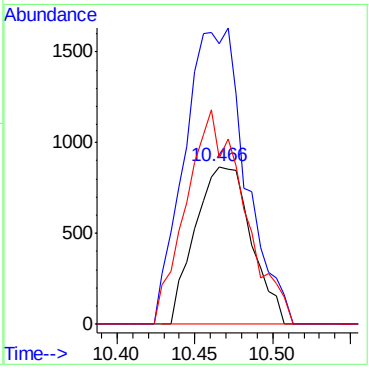


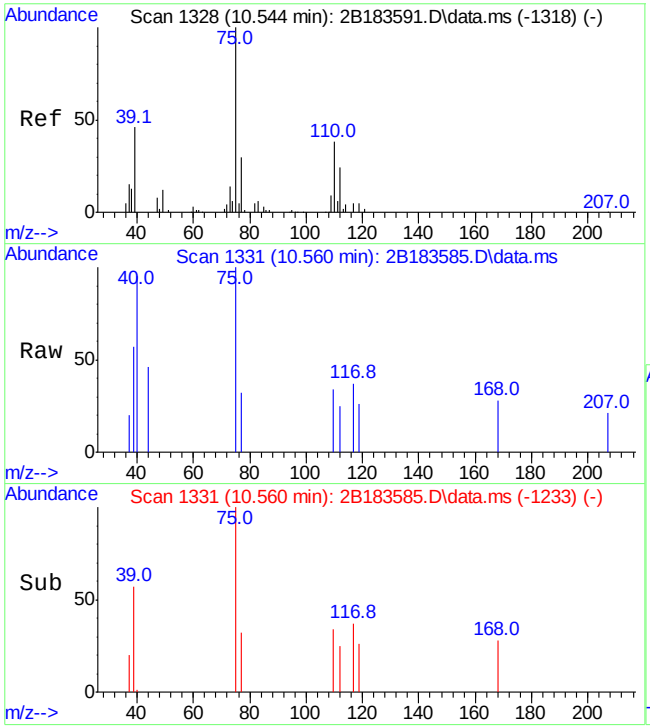


#46
cyclohexane
Concen: 0.49 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 84 Resp: 2172

Ion	Ratio	Lower	Upper
84	100		
56	178.6	130.0	170.0#
41	106.0	65.8	105.8#

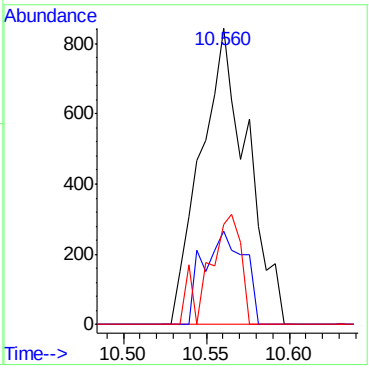


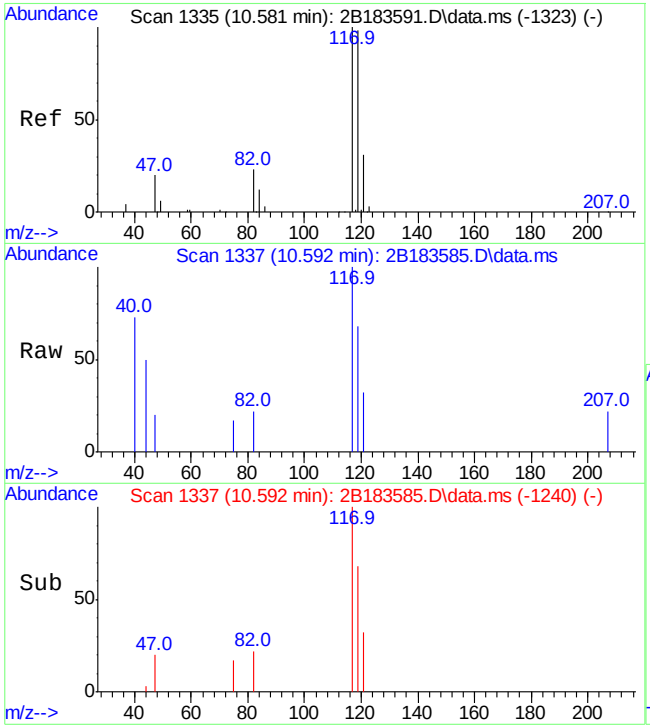


#47
1,1-dichloropropene
Concen: 0.44 ug/L
RT: 10.560 min Scan# 1331
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 75 Resp: 1652

Ion	Ratio	Lower	Upper
75	100		
77	31.5	10.5	50.5
110	33.8	17.9	57.9

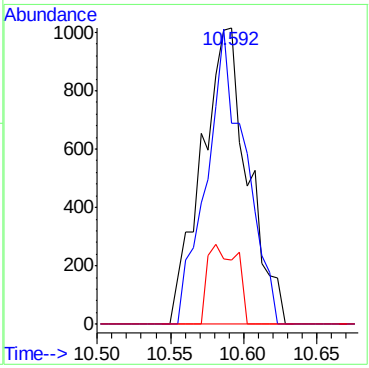


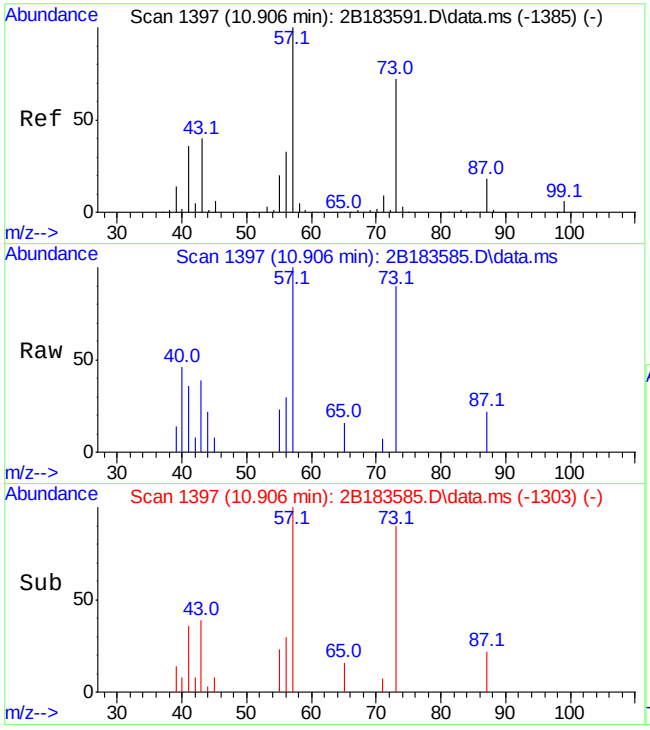


#49
carbon tetrachloride
Concen: 0.49 ug/L
RT: 10.592 min Scan# 1337
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:117 Resp: 2227

Ion	Ratio	Lower	Upper
117	100		
119	67.7	77.7	117.7#
82	21.8	3.1	43.1

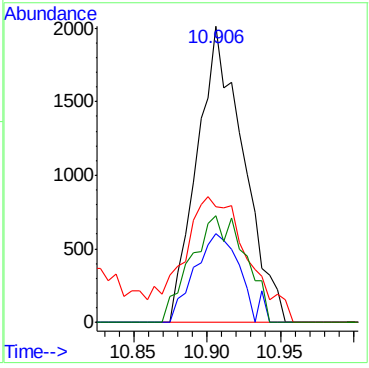


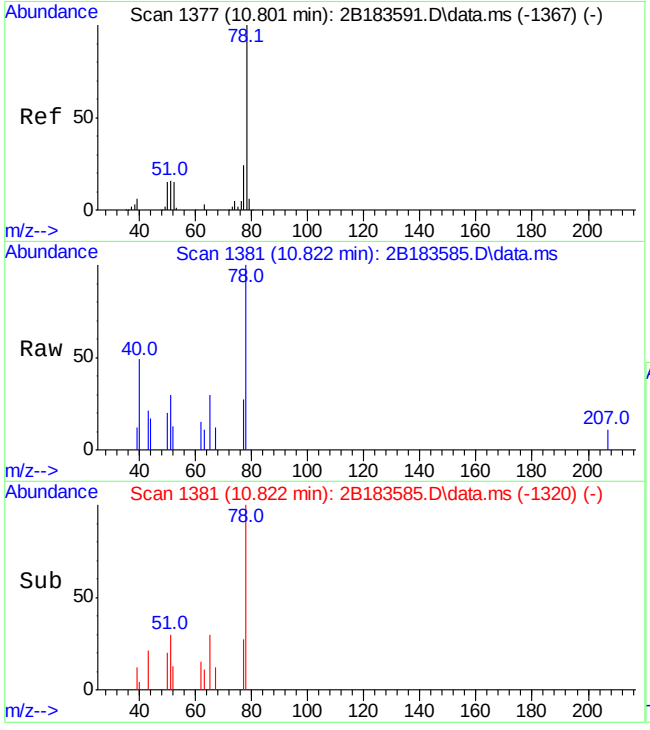


#54
2,2,4-trimethylpentane
Concen: 0.46 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 57 Resp: 4401

Ion	Ratio	Lower	Upper
57	100		
56	30.0	3.5	63.5
43	39.0	10.7	70.7
41	36.2	5.5	65.5

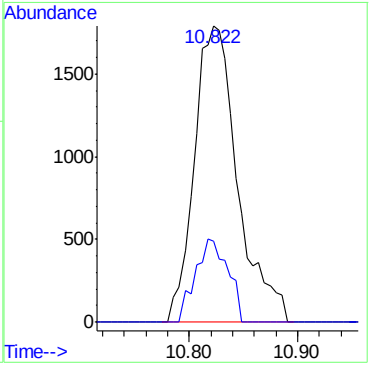


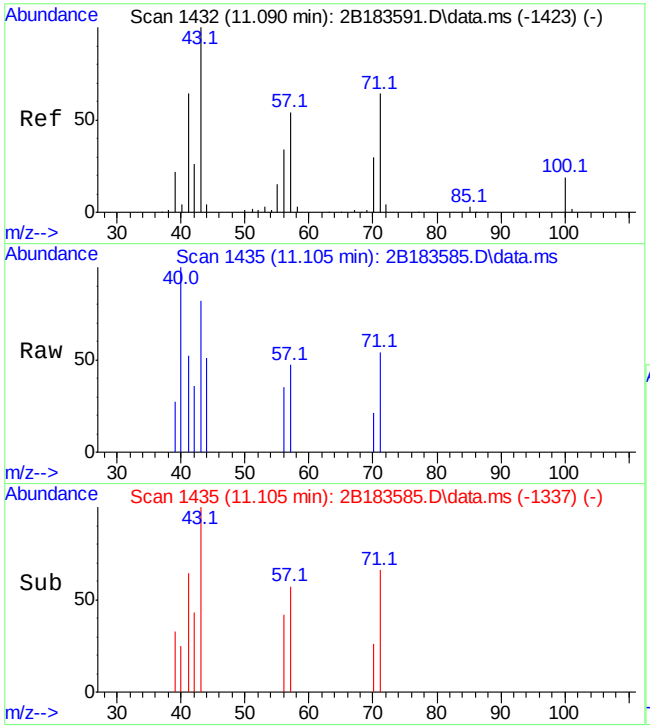


#55
benzene
Concen: 0.47 ug/L
RT: 10.822 min Scan# 1381
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 78 Resp: 4981

Ion	Ratio	Lower	Upper
78	100		
77	27.4	0.0	53.9

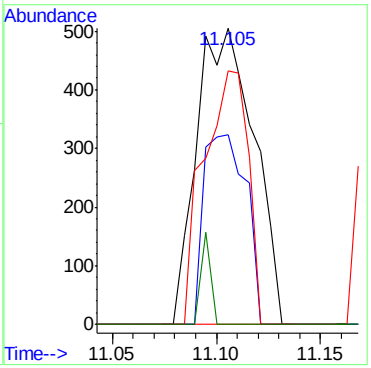


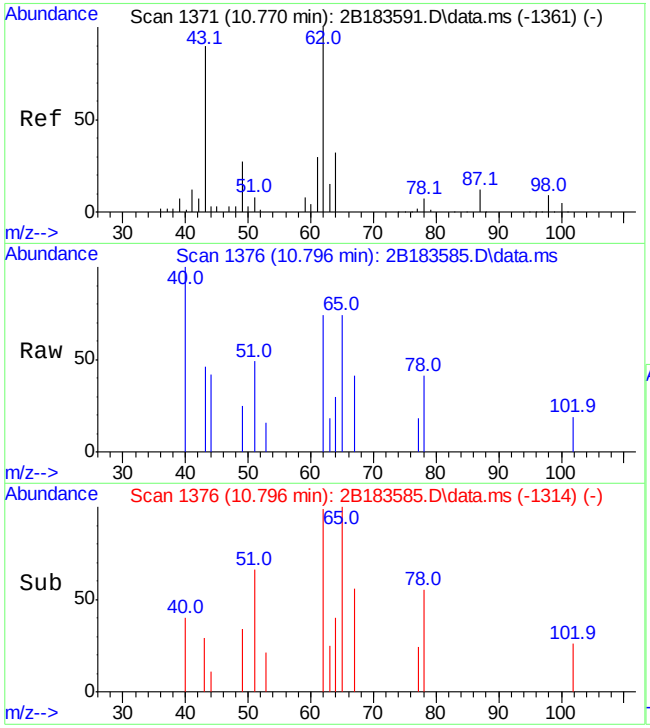


#57
heptane
Concen: 0.43 ug/L
RT: 11.105 min Scan# 1435
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 71 Resp: 971

Ion	Ratio	Lower	Upper
71	100		
56	64.2	23.2	83.2
57	85.7	54.9	114.9
100	0.0	0.0	59.2

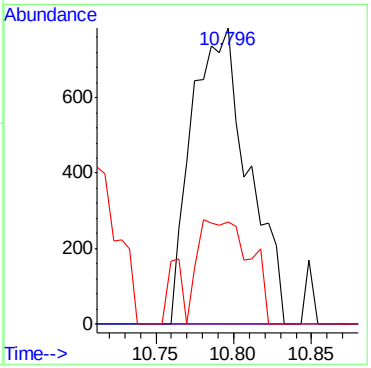


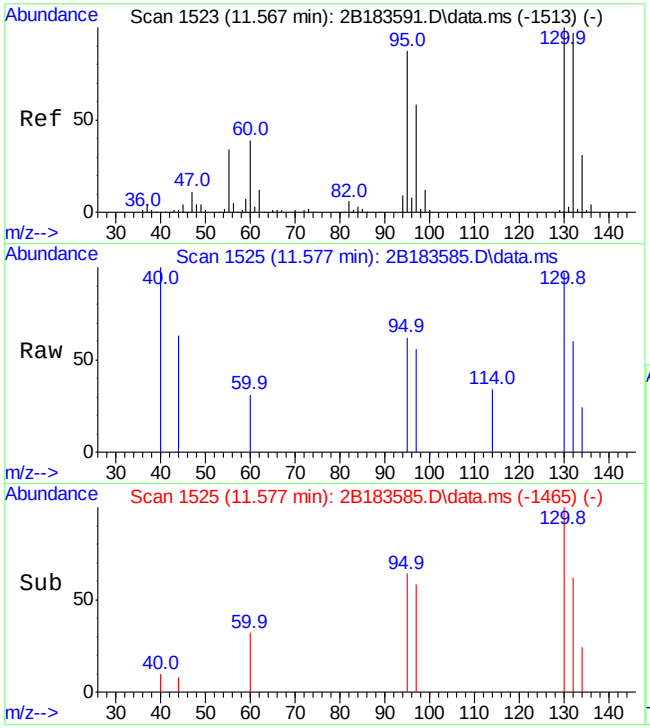


#59
1,2-dichloroethane
Concen: 0.49 ug/L
RT: 10.796 min Scan# 1376
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 62 Resp: 1981

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	39.0
49	34.4	0.0	56.5

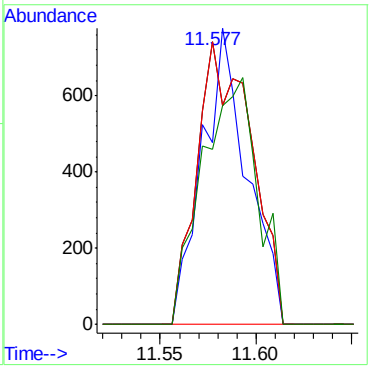


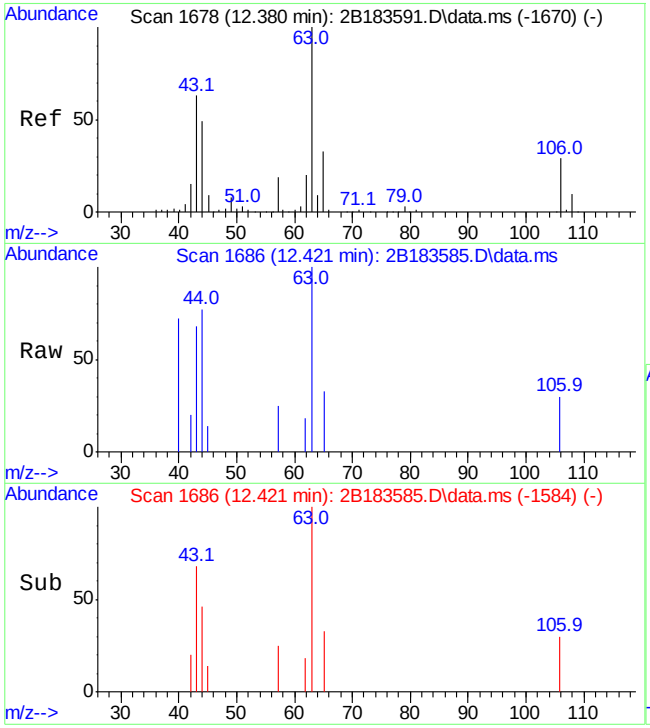


#60
trichloroethene
Concen: 0.44 ug/L
RT: 11.577 min Scan# 1525
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:130 Resp: 1455

Ion	Ratio	Lower	Upper
130	100		
95	64.2	56.8	116.8
130	100.0	70.0	130.0
132	62.0	67.2	127.2#

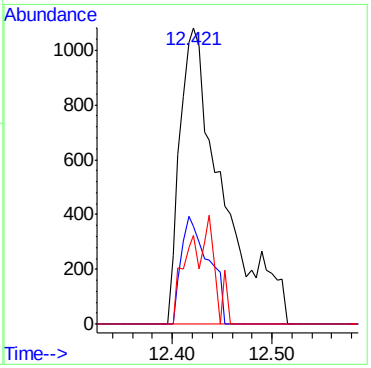


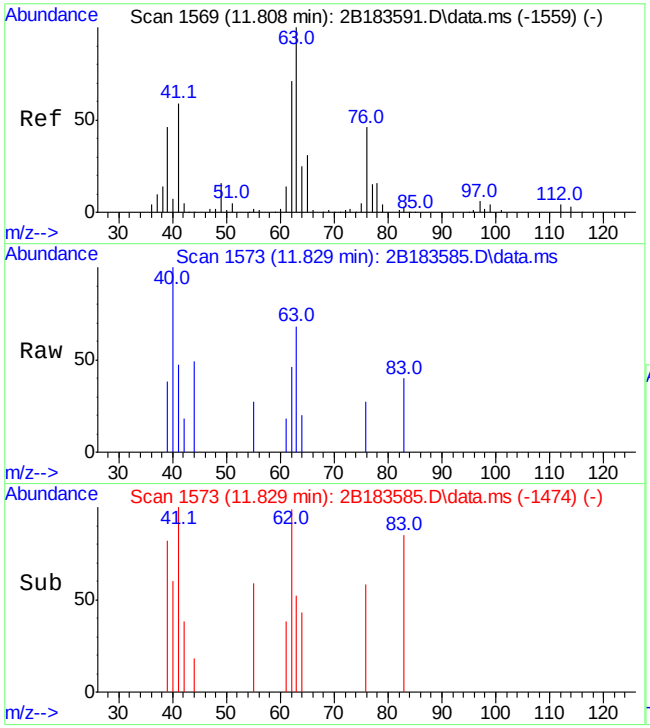


#63
2-chloroethyl vinyl ether
Concen: 2.00 ug/L
RT: 12.421 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 63 Resp: 3221

Ion	Ratio	Lower	Upper
63	100		
65	33.0	2.7	62.7
106	29.9	0.0	59.0

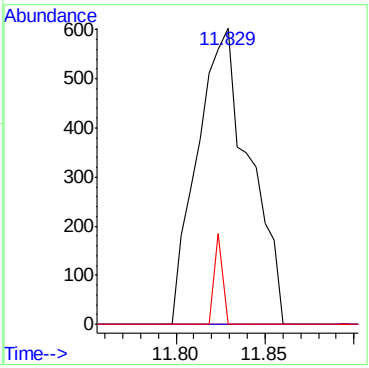


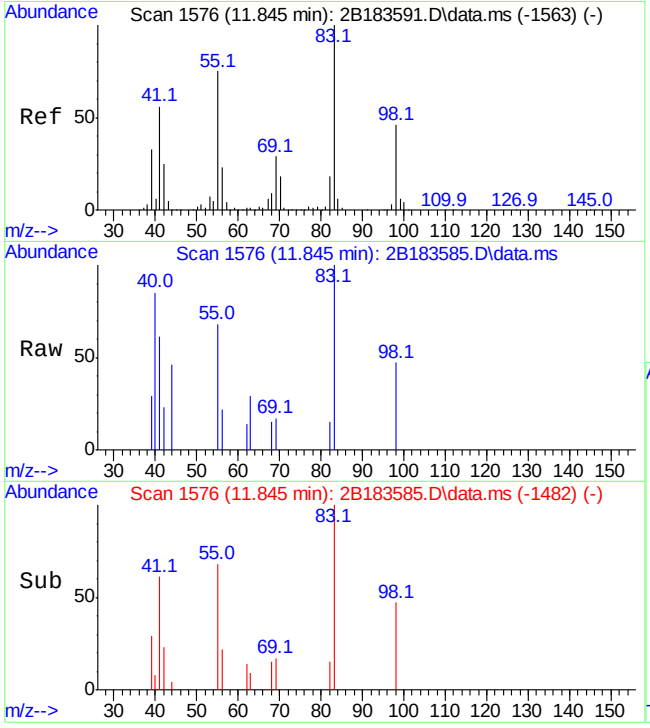


#65
1,2-dichloropropane
Concen: 0.46 ug/L
RT: 11.829 min Scan# 1573
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 63 Resp: 1229

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.9
65	0.0	1.3	61.3#

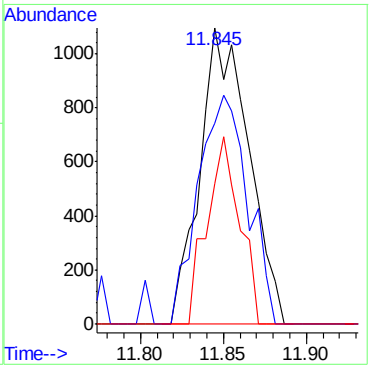


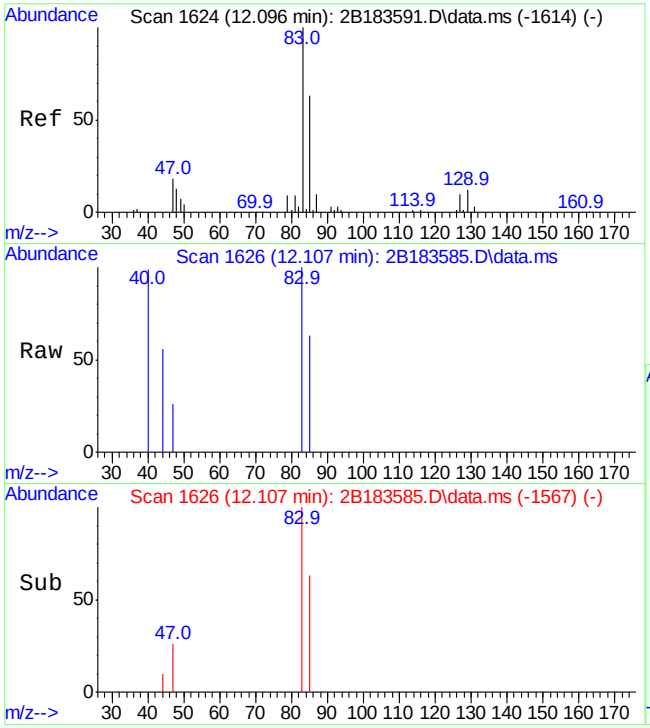


#67
methylcyclohexane
Concen: 0.43 ug/L
RT: 11.845 min Scan# 1576
Delta R.T. -0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 83 Resp: 2242

Ion	Ratio	Lower	Upper
83	100		
55	67.9	45.5	105.5
98	47.3	15.7	75.7

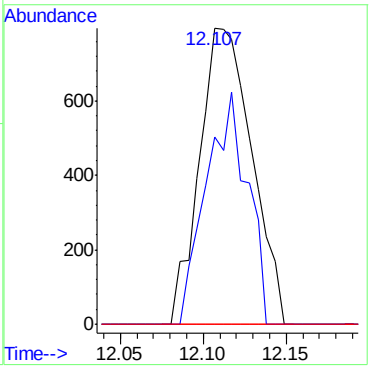


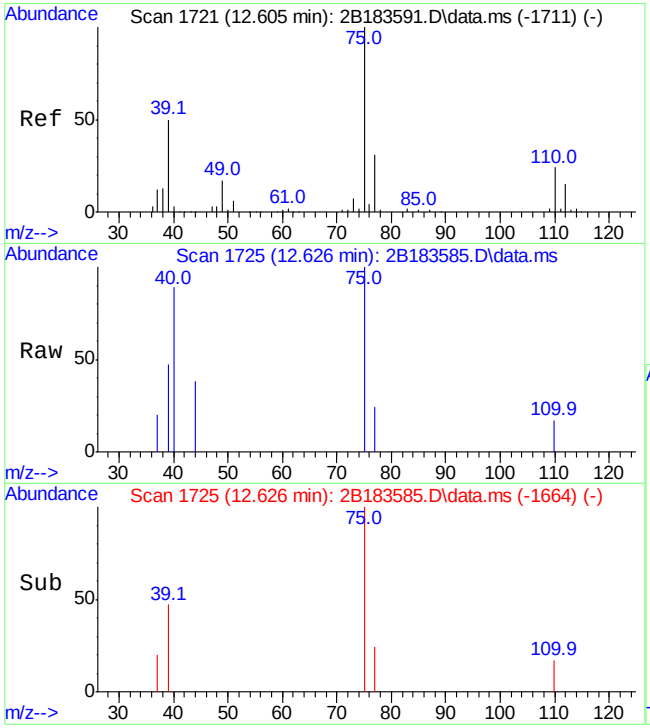


#68
bromodichloromethane
Concen: 0.43 ug/L
RT: 12.107 min Scan# 1626
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 83 Resp: 1751

Ion	Ratio	Lower	Upper
83	100		
85	63.3	33.2	93.2
127	0.0	0.0	39.5

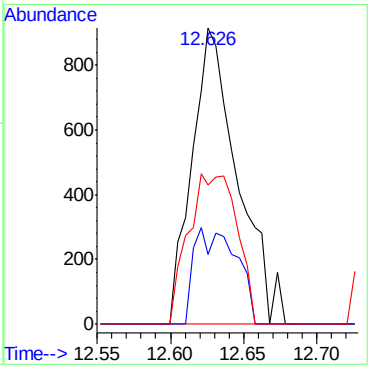


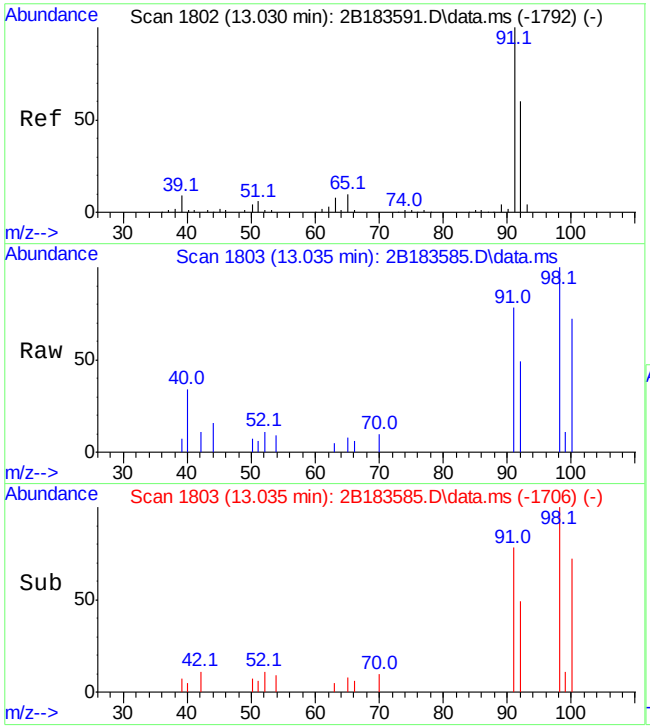


#70
cis-1,3-dichloropropene
Concen: 0.43 ug/L
RT: 12.626 min Scan# 1725
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 75 Resp: 1992

Ion	Ratio	Lower	Upper
75	100		
77	23.6	1.4	61.4
39	46.9	19.8	79.8

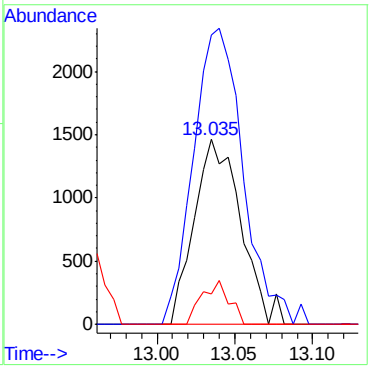


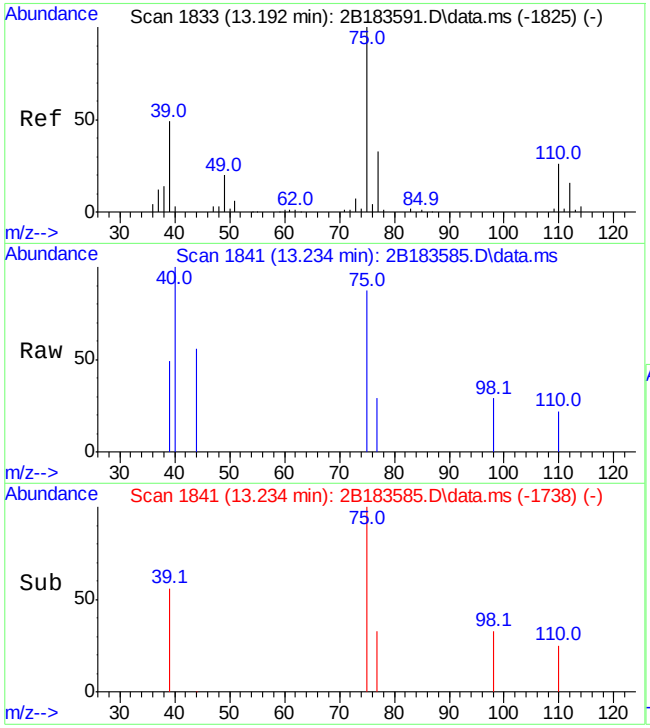


#75
toluene
Concen: 0.46 ug/L
RT: 13.035 min Scan# 1803
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 92 Resp: 3041

Ion	Ratio	Lower	Upper
92	100		
91	156.9	145.5	185.5
65	16.6	0.0	37.3

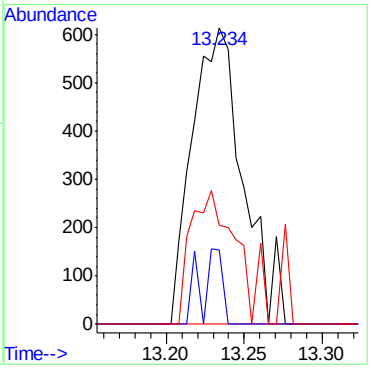


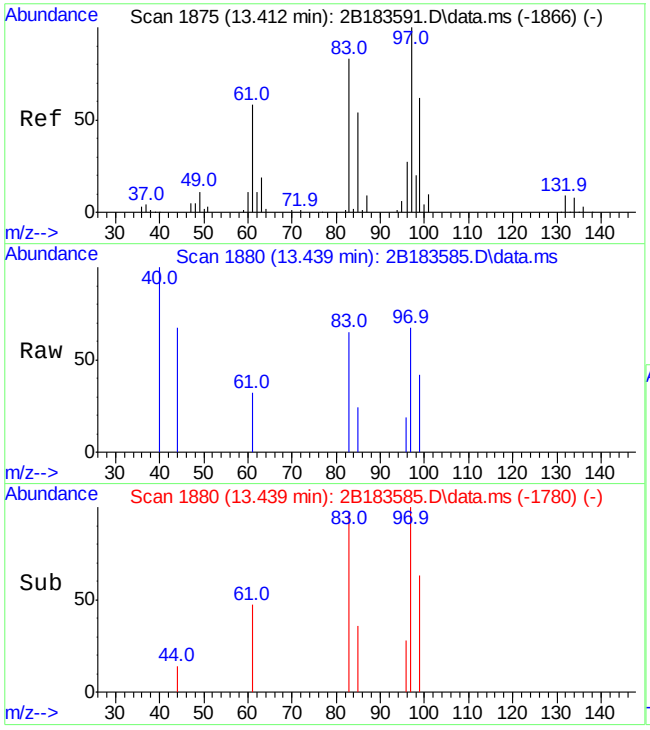


#76
trans-1,3-dichloropropene
Concen: 0.37 ug/L
RT: 13.234 min Scan# 1841
Delta R.T. 0.042 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 75 Resp: 1391

Ion	Ratio	Lower	Upper
75	100		
110	25.0	5.6	45.6
77	33.4	12.9	52.9

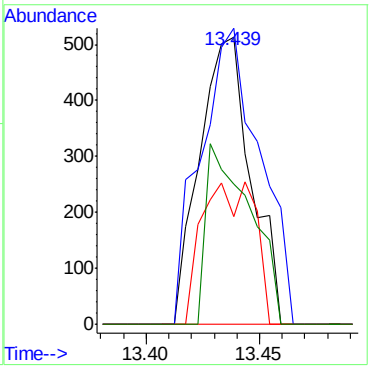


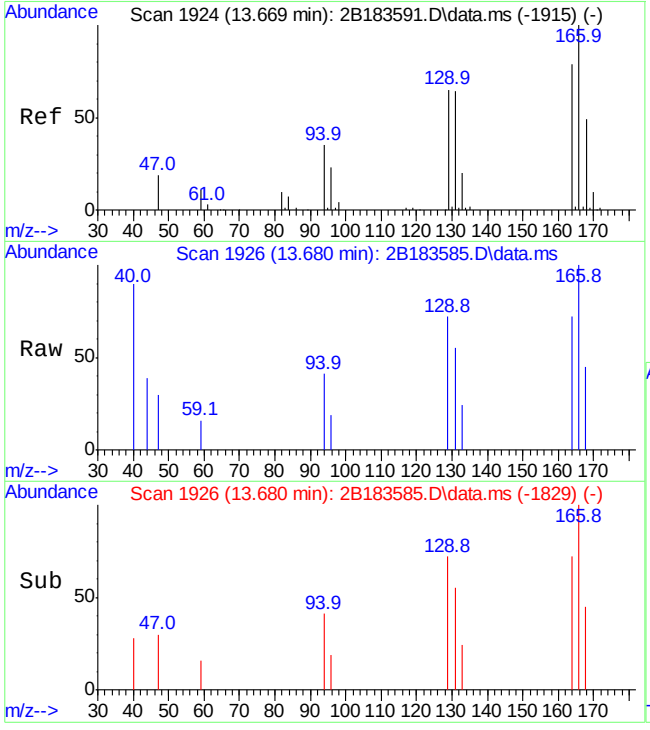


#78
1,1,2-trichloroethane
Concen: 0.40 ug/L
RT: 13.439 min Scan# 1880
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 83 Resp: 812

Ion	Ratio	Lower	Upper
83	100		
97	103.1	100.4	140.4
85	37.6	44.7	84.7#
61	48.9	49.5	89.5#

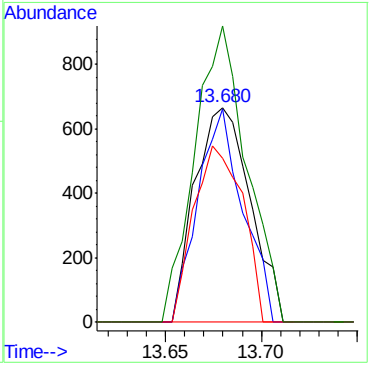


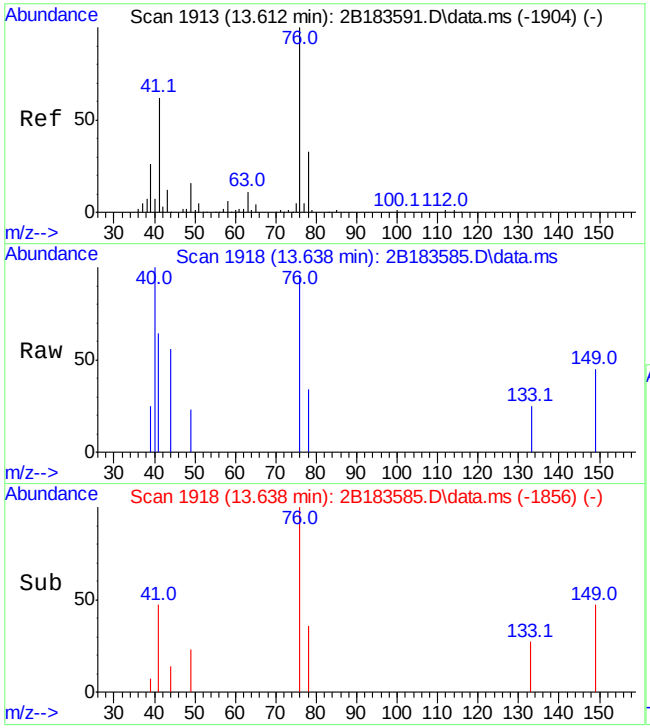


#79
tetrachloroethene
Concen: 0.48 ug/L
RT: 13.680 min Scan# 1926
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:164 Resp: 1326

Ion	Ratio	Lower	Upper
164	100		
129	99.4	52.8	112.8
131	76.4	51.2	111.2
166	138.1	97.3	157.3

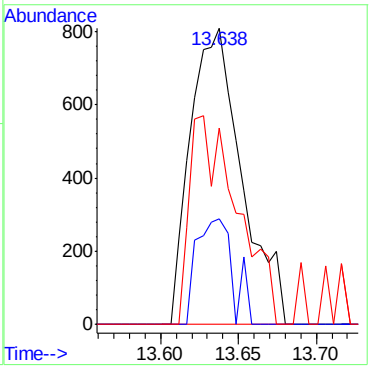


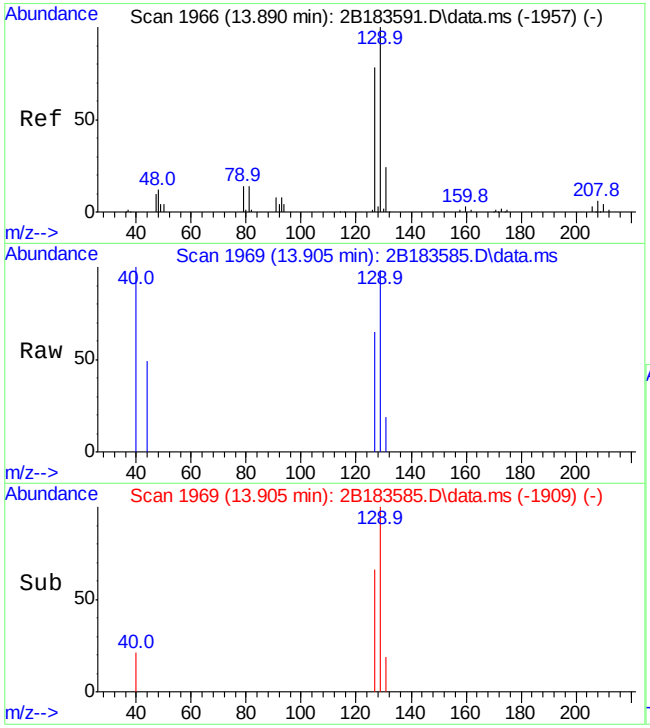


#80
1,3-dichloropropane
Concen: 0.47 ug/L
RT: 13.638 min Scan# 1918
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 76 Resp: 1864

Ion	Ratio	Lower	Upper
76	100		
78	35.7	2.9	62.9
41	66.3	31.5	91.5

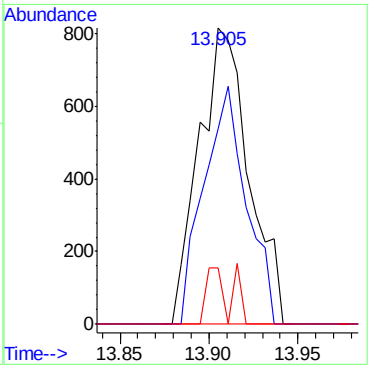


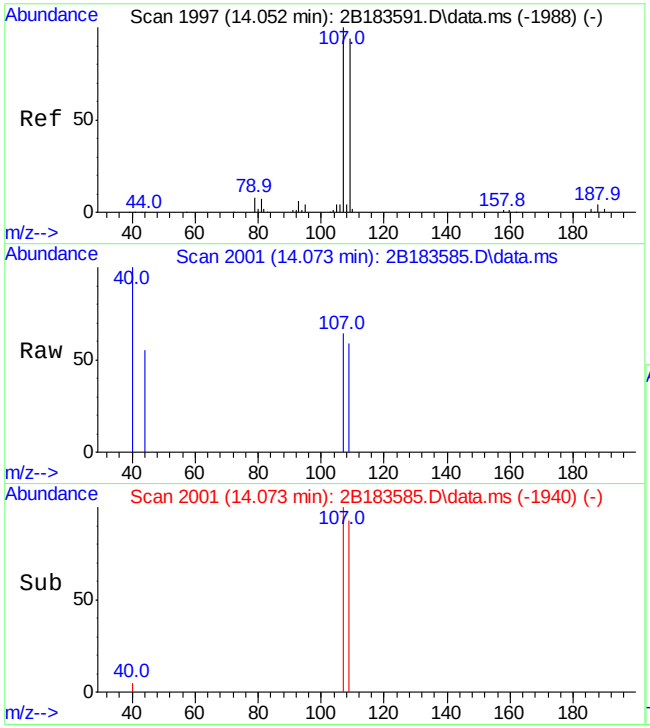


#83
dibromochloromethane
Concen: 0.47 ug/L
RT: 13.905 min Scan# 1969
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:129 Resp: 1594

Ion	Ratio	Lower	Upper
129	100		
127	66.1	47.6	107.6
131	18.9	0.0	54.0

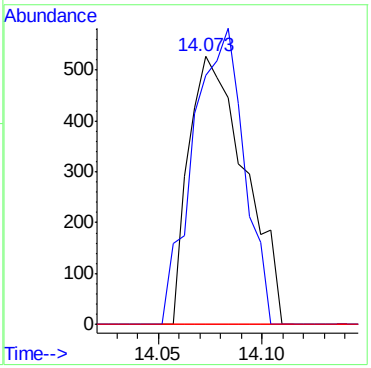


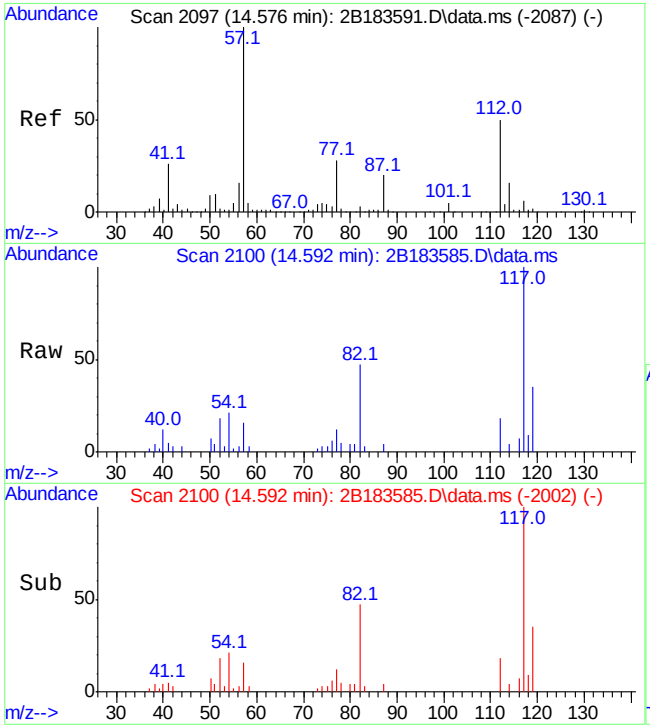


#84
1,2-dibromoethane
Concen: 0.39 ug/L
RT: 14.073 min Scan# 2001
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:107 Resp: 992

Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.2	124.2
188	0.0	0.0	33.9

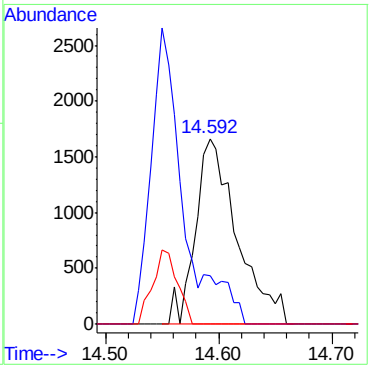


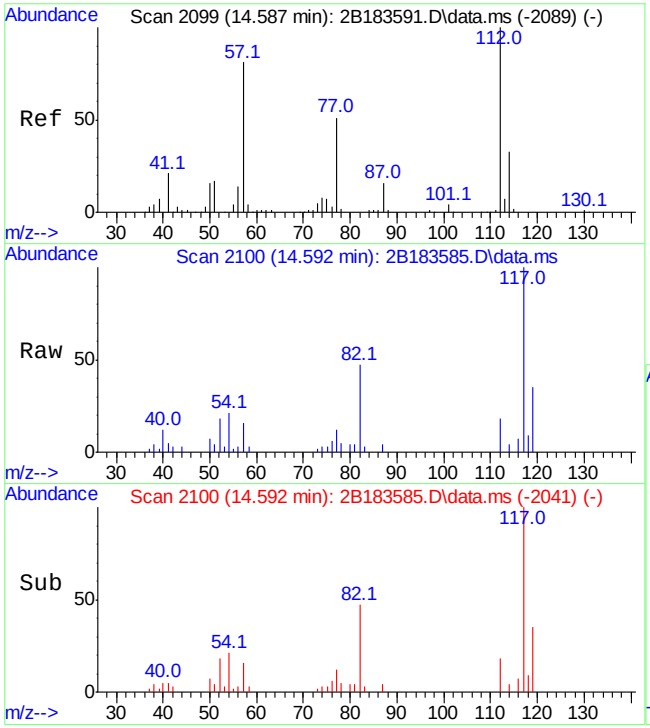


#85
n-butyl ether
Concen: 0.42 ug/L
RT: 14.592 min Scan# 2100
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 57 Resp: 4227

Ion	Ratio	Lower	Upper
57	100		
87	26.0	0.0	49.5
101	0.0	0.0	34.7

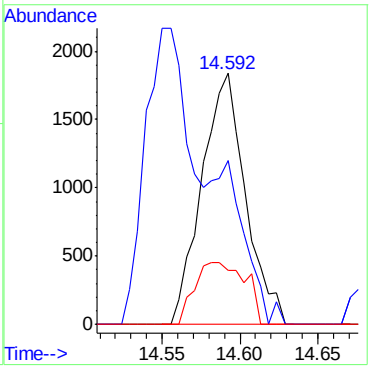


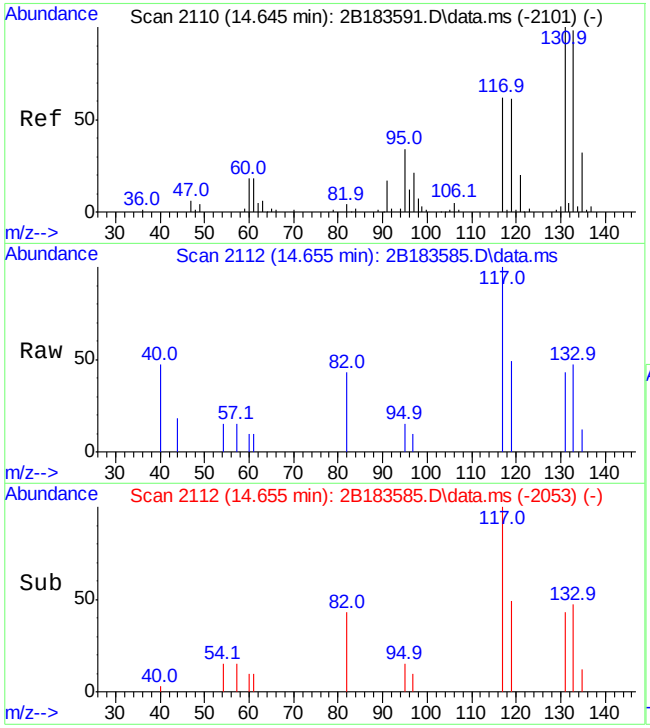


#86
chlorobenzene
Concen: 0.46 ug/L
RT: 14.592 min Scan# 2100
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:112 Resp: 3587

Ion	Ratio	Lower	Upper
112	100		
77	65.0	21.4	81.4
114	21.4	2.8	62.8

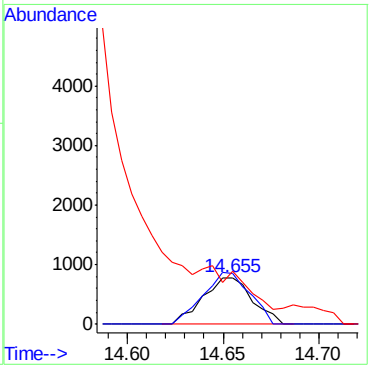


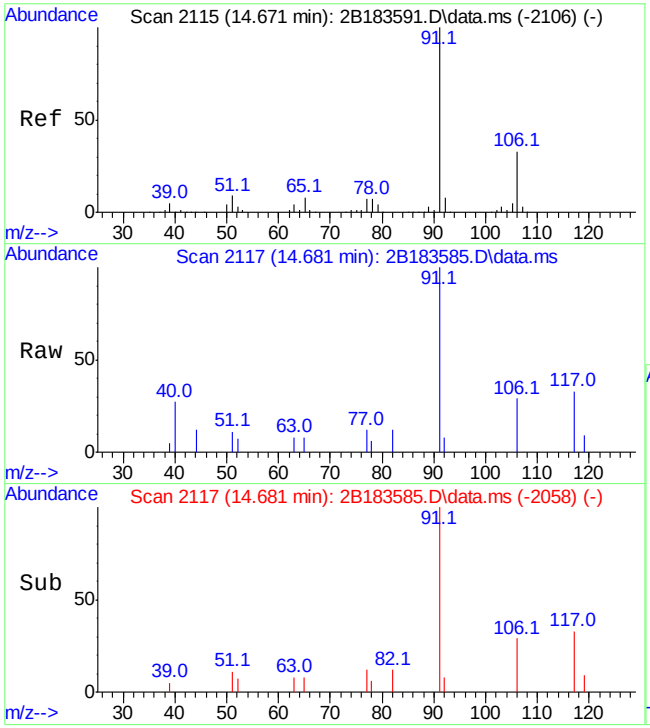


#87
1,1,1,2-tetrachloroethane
Concen: 0.44 ug/L
RT: 14.655 min Scan# 2112
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:131 Resp: 1377

Ion	Ratio	Lower	Upper
131	100		
133	109.3	67.8	127.8
119	72.4	32.9	92.9

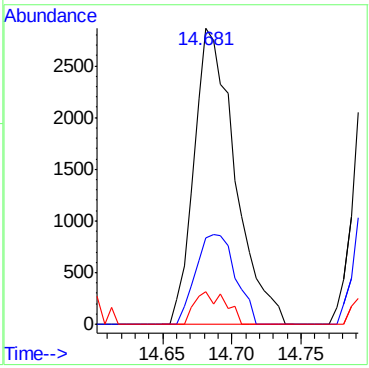


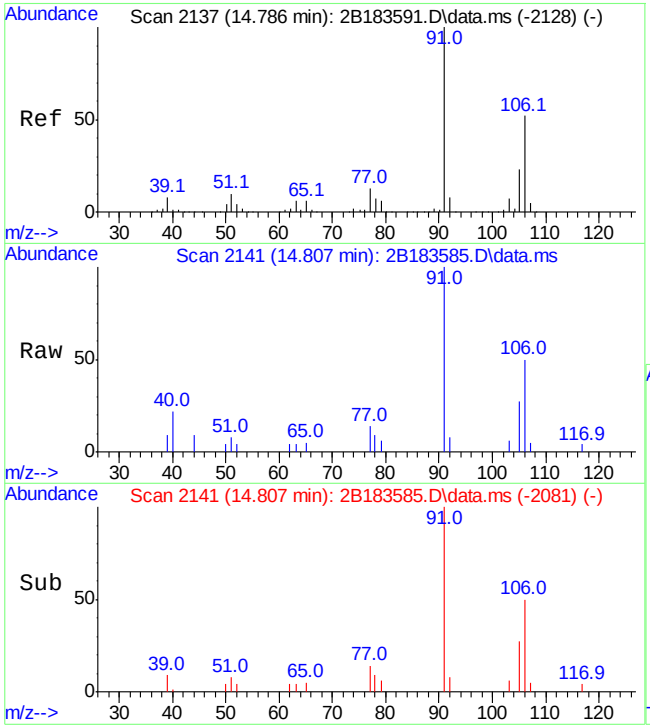


#88
ethylbenzene
Concen: 0.46 ug/L
RT: 14.681 min Scan# 2117
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 91 Resp: 5902

Ion	Ratio	Lower	Upper
91	100		
106	29.2	3.0	63.0
51	10.9	0.0	39.2

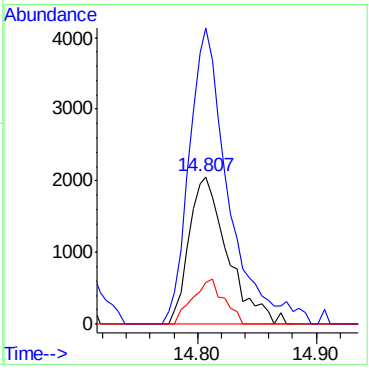


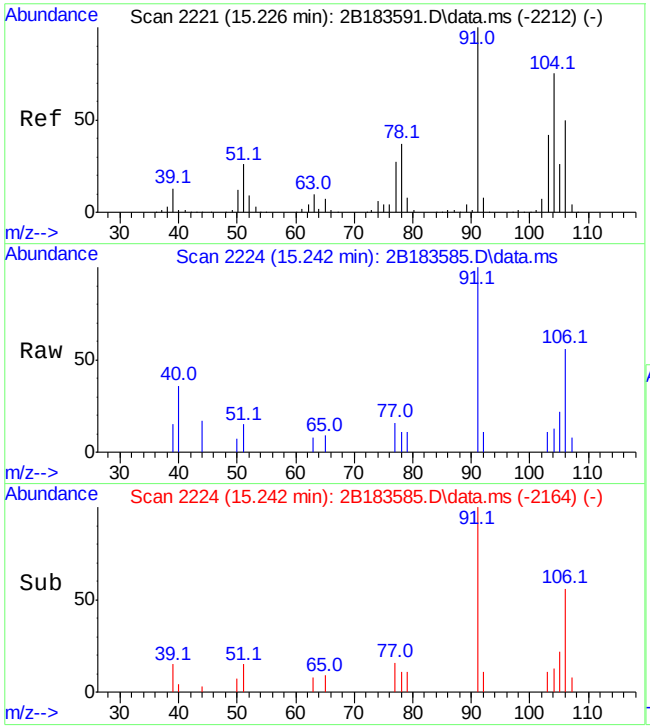


#89
m,p-xylene
Concen: 0.90 ug/L
RT: 14.807 min Scan# 2141
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:106 Resp: 4633

Ion	Ratio	Lower	Upper
106	100		
91	200.7	162.7	222.7
77	28.4	5.0	45.0

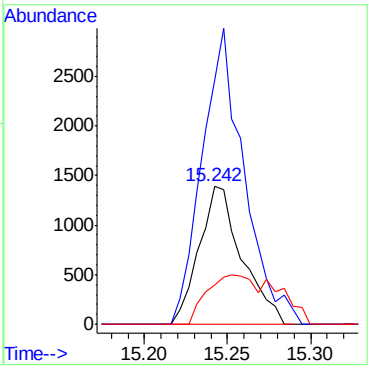


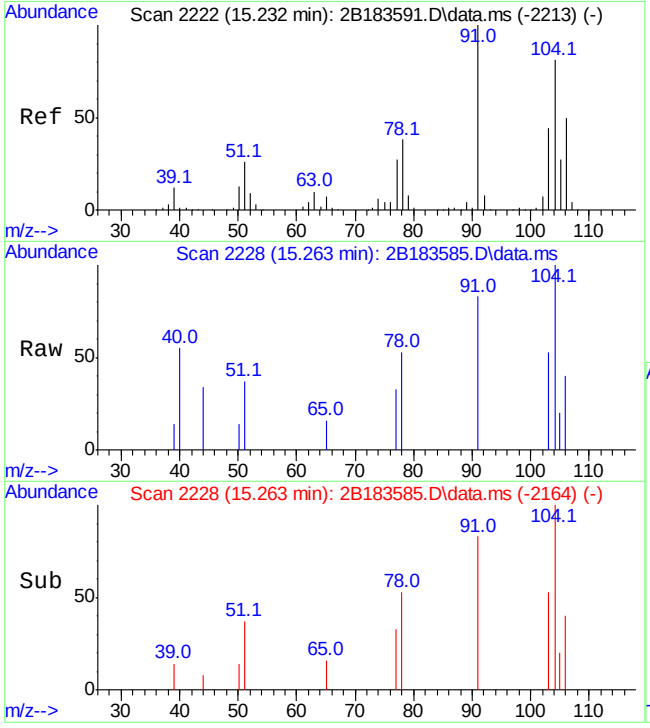


#90
o-xylene
Concen: 0.46 ug/L
RT: 15.242 min Scan# 2224
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:106 Resp: 2499

Ion	Ratio	Lower	Upper
106	100		
91	177.4	169.5	229.5
77	28.9	33.1	73.1#

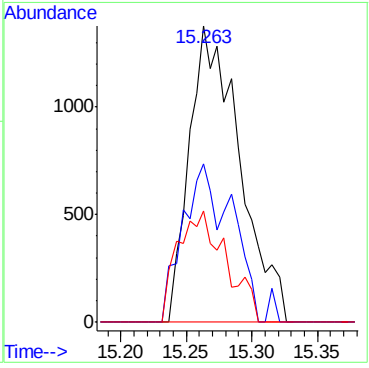


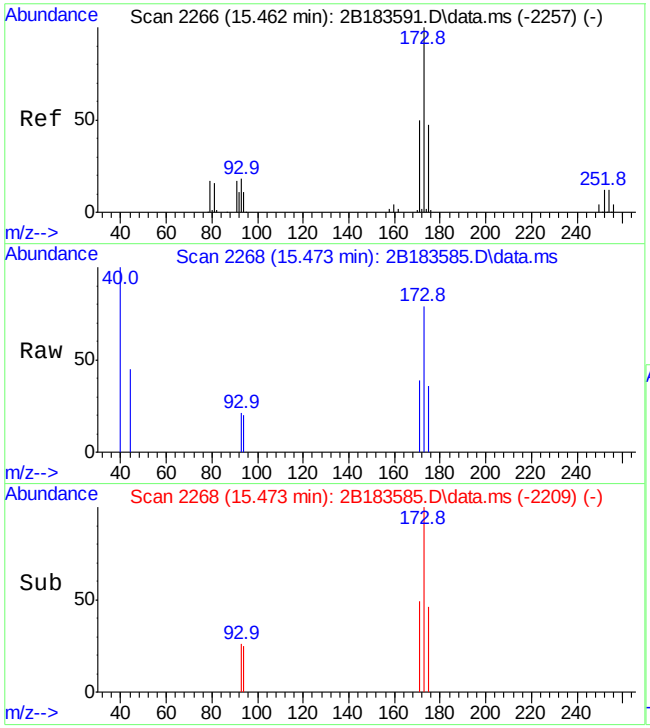


#91
styrene
Concen: 0.42 ug/L
RT: 15.263 min Scan# 2228
Delta R.T. 0.037 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:104 Resp: 3669

Ion	Ratio	Lower	Upper
104	100		
78	53.3	16.8	76.8
51	37.4	2.1	62.1

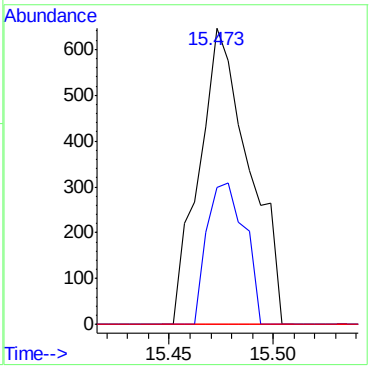


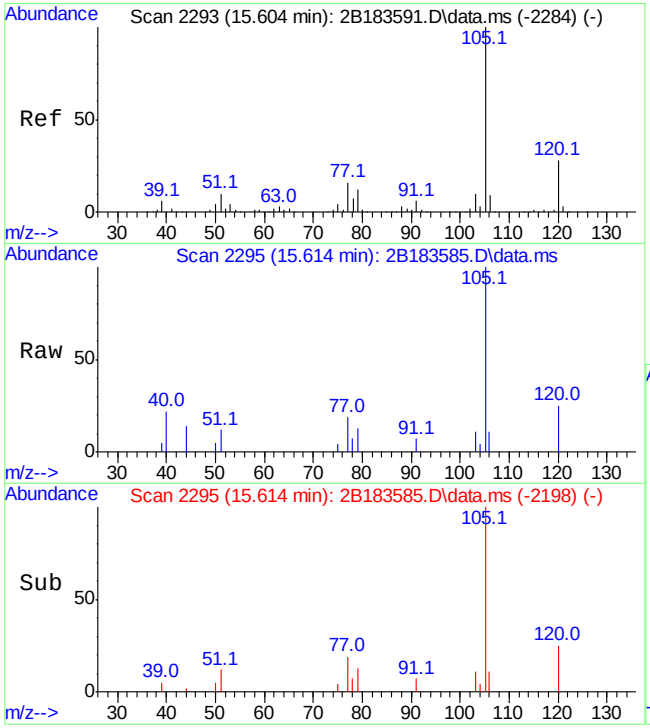


#93
bromoform
Concen: 0.42 ug/L
RT: 15.473 min Scan# 2268
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:173 Resp: 1080

Ion	Ratio	Lower	Upper
173	100		
175	46.3	17.3	77.3
254	0.0	0.0	42.0

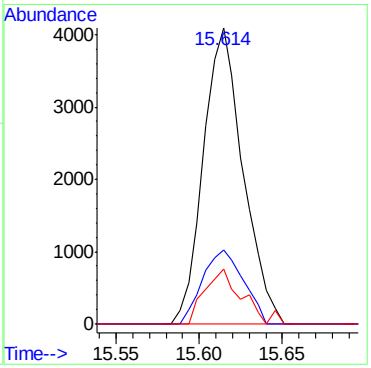


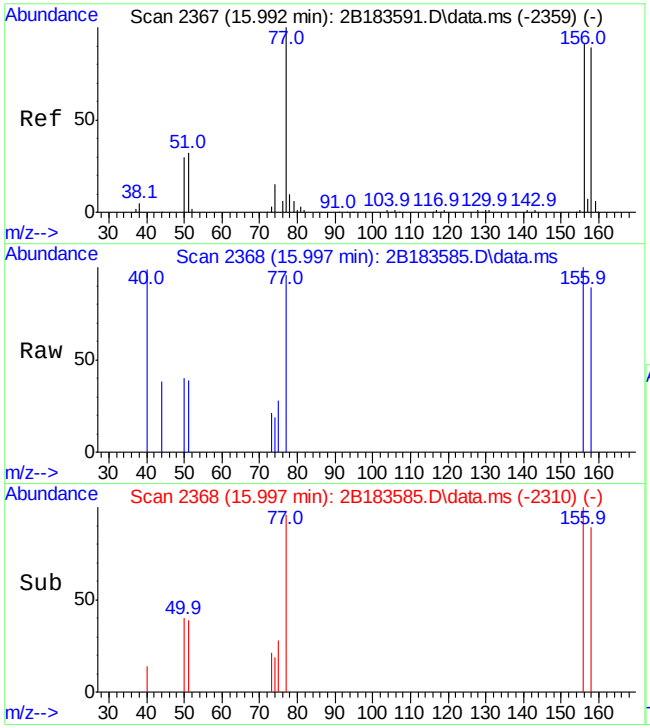


#95
isopropylbenzene
Concen: 0.46 ug/L
RT: 15.614 min Scan# 2295
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:105 Resp: 6801

Ion	Ratio	Lower	Upper
105	100		
120	25.0	7.6	47.6
77	18.7	0.0	35.7

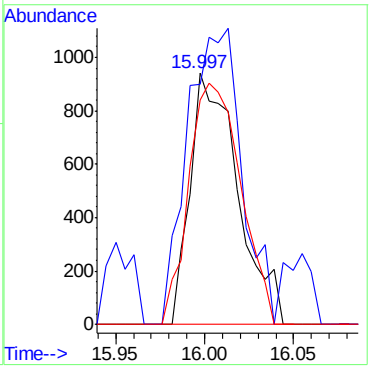


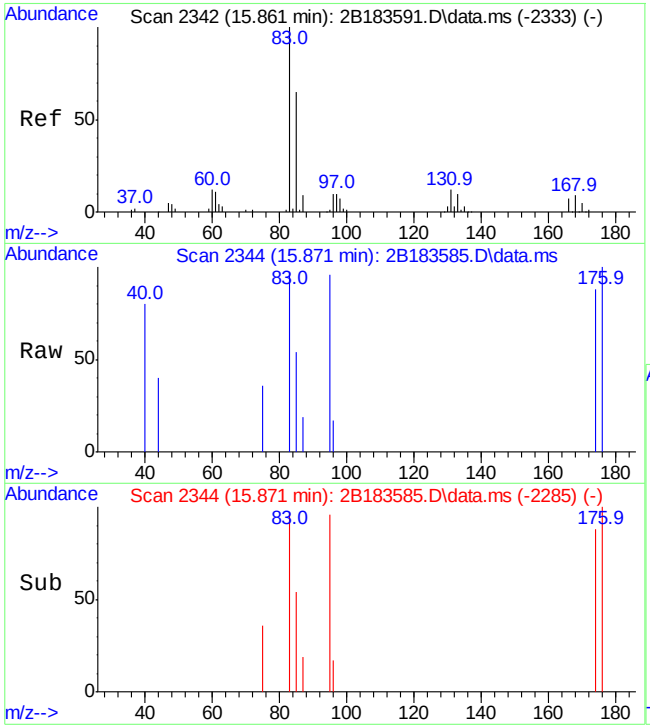


#99
bromobenzene
Concen: 0.43 ug/L
RT: 15.997 min Scan# 2368
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:156 Resp: 1754

Ion	Ratio	Lower	Upper
156	100		
77	95.5	94.4	154.4
158	89.0	68.2	128.2

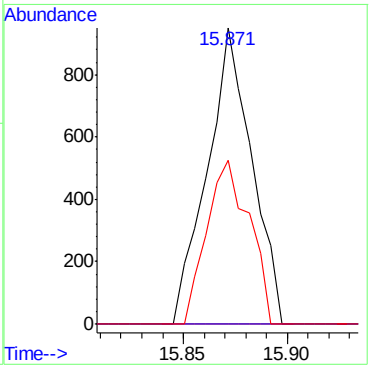


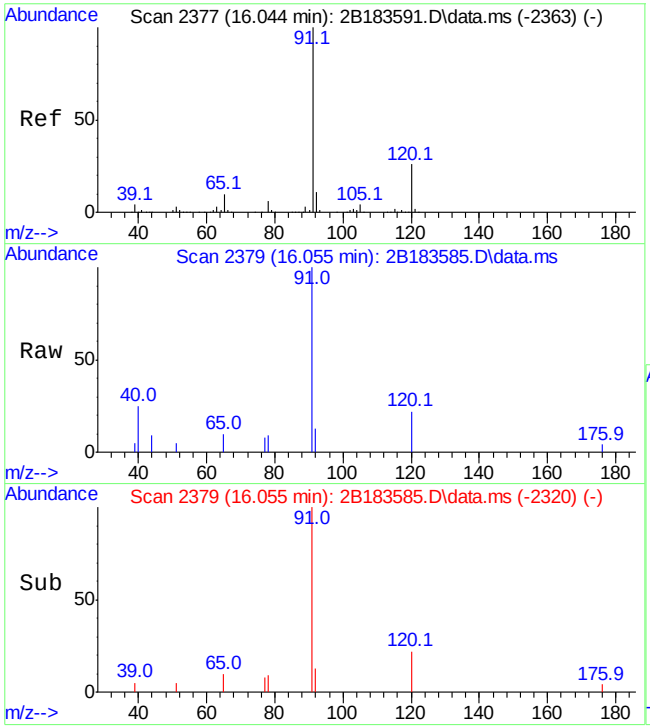


#100
1,1,2,2-tetrachloroethane
Concen: 0.42 ug/L
RT: 15.871 min Scan# 2344
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 83 Resp: 1417

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	41.6
85	55.2	34.8	94.8

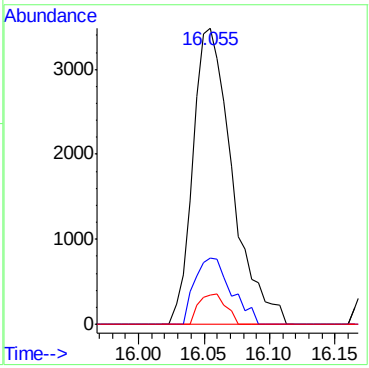


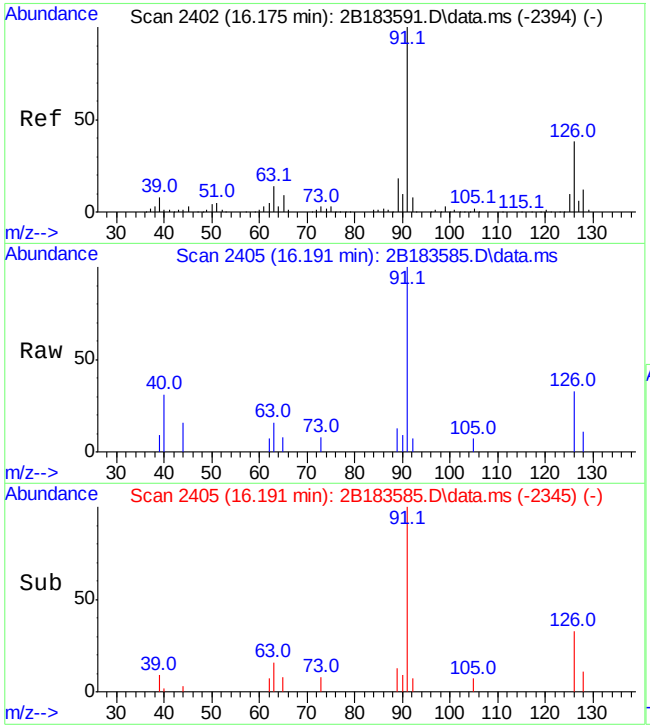


#103
n-propylbenzene
Concen: 0.45 ug/L
RT: 16.055 min Scan# 2379
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 91 Resp: 7275

Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	55.5
65	9.9	0.0	39.9

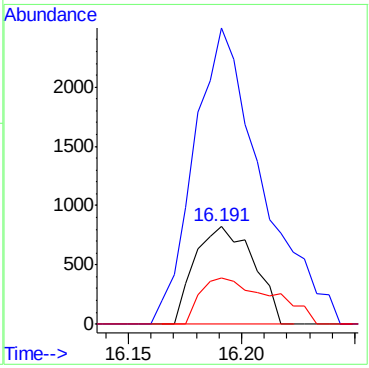


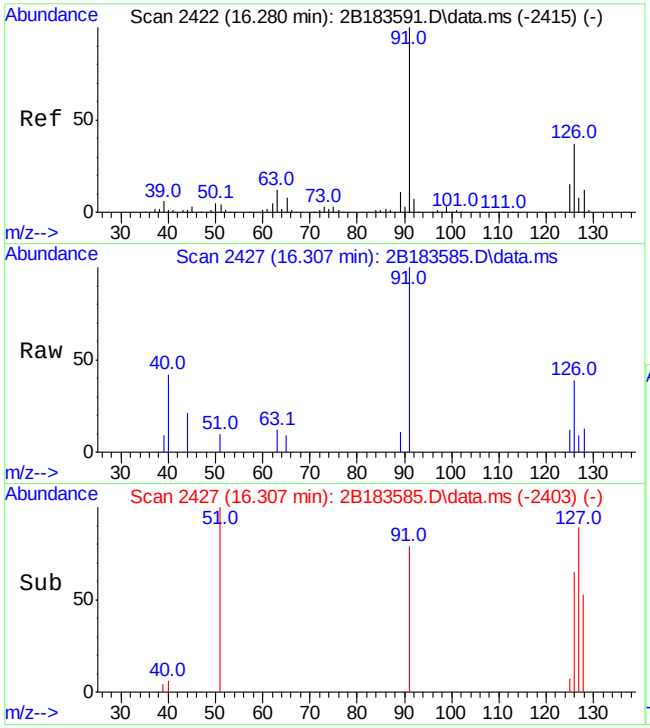


#104
2-chlorotoluene
Concen: 0.40 ug/L
RT: 16.191 min Scan# 2405
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:126 Resp: 1478

Ion	Ratio	Lower	Upper
126	100		
91	278.7	233.1	293.1
63	47.6	6.5	66.5

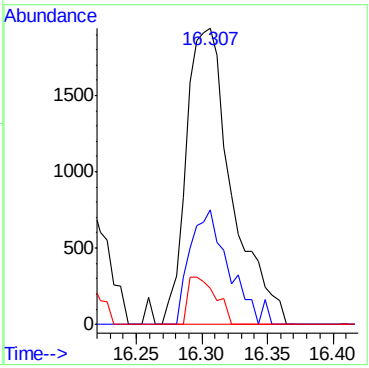


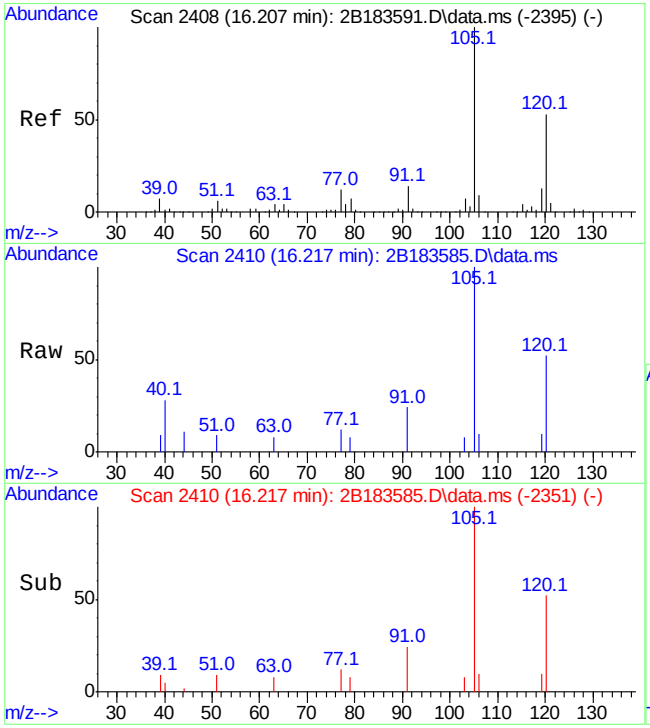


#105
4-chlorotoluene
Concen: 0.46 ug/L
RT: 16.307 min Scan# 2427
Delta R.T. 0.026 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 91 Resp: 4699

Ion	Ratio	Lower	Upper
91	100		
126	38.8	7.4	67.4
63	12.1	0.0	42.1

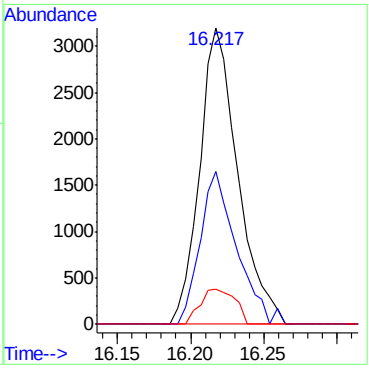


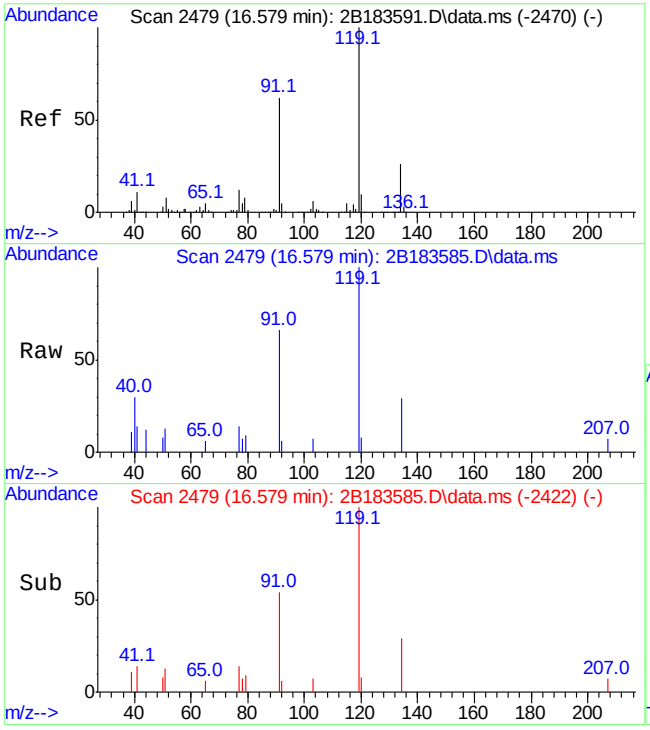


#106
1,3,5-trimethylbenzene
Concen: 0.47 ug/L
RT: 16.217 min Scan# 2410
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:105 Resp: 5783

Ion	Ratio	Lower	Upper
105	100		
120	51.6	22.7	82.7
77	11.8	0.0	42.1

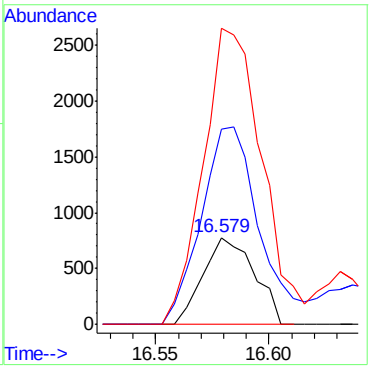


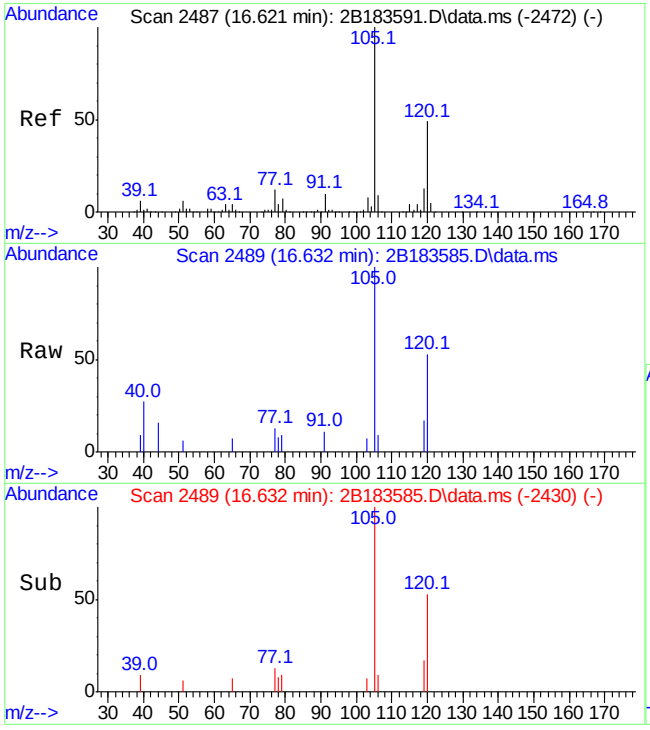


#107
tert-butylbenzene
Concen: 0.45 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:134 Resp: 1230

Ion	Ratio	Lower	Upper
134	100		
91	224.5	208.1	268.1
119	340.6	353.9	413.9#

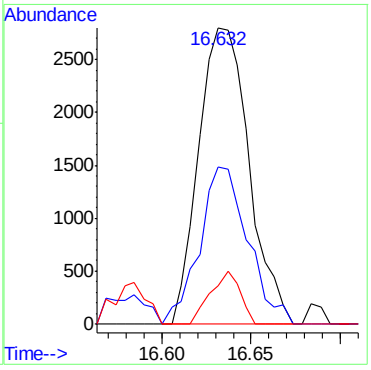


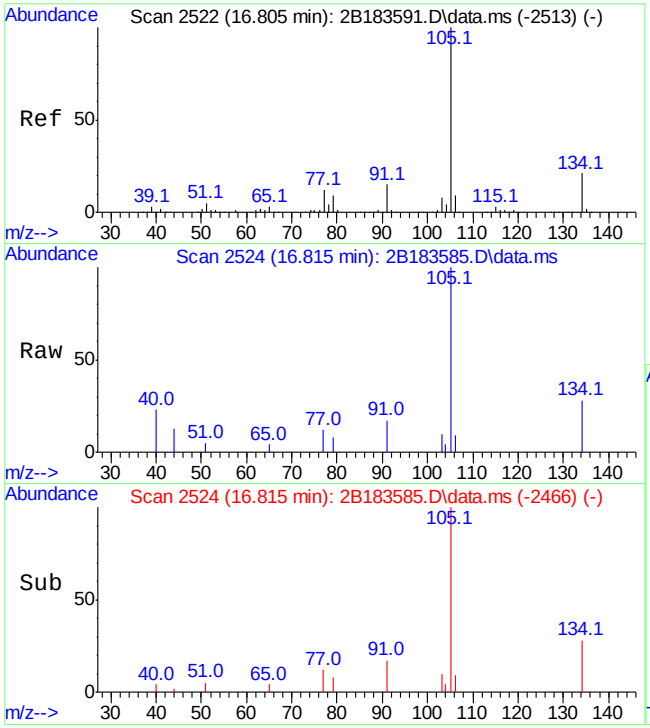


#108
1,2,4-trimethylbenzene
Concen: 0.44 ug/L
RT: 16.632 min Scan# 2489
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:105 Resp: 5530

Ion	Ratio	Lower	Upper
105	100		
120	53.0	19.5	79.5
77	12.8	0.0	41.6

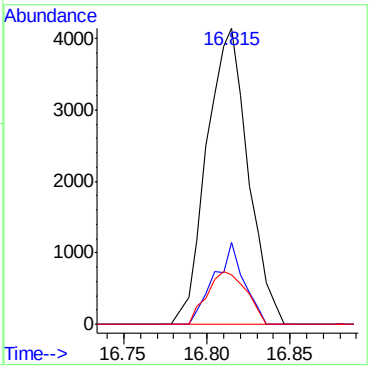


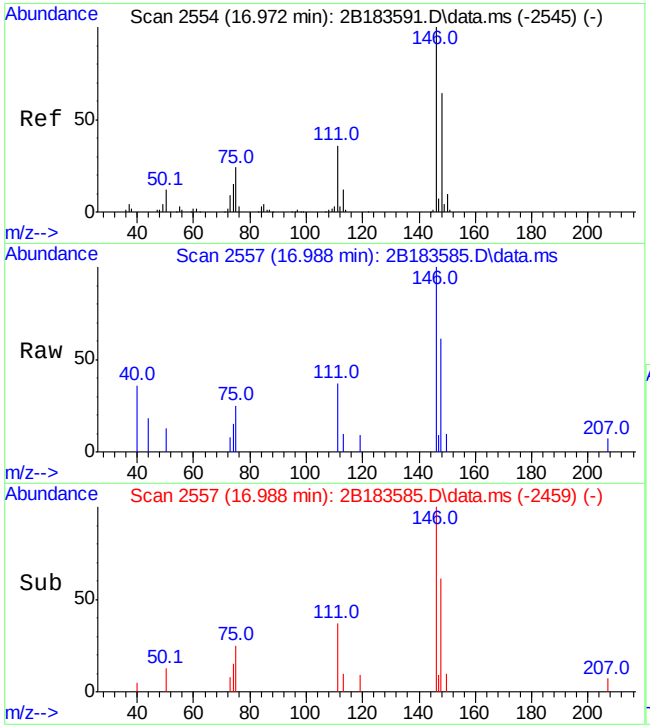


#109
sec-butylbenzene
Concen: 0.44 ug/L
RT: 16.815 min Scan# 2524
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:105 Resp: 7172

Ion	Ratio	Lower	Upper
105	100		
134	27.8	0.0	50.9
91	16.7	0.0	44.9

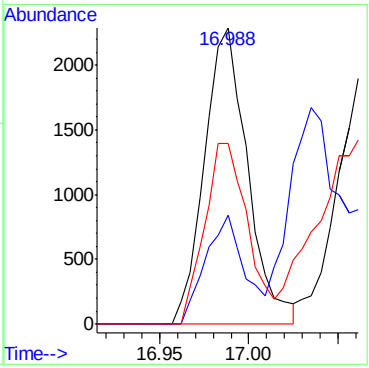


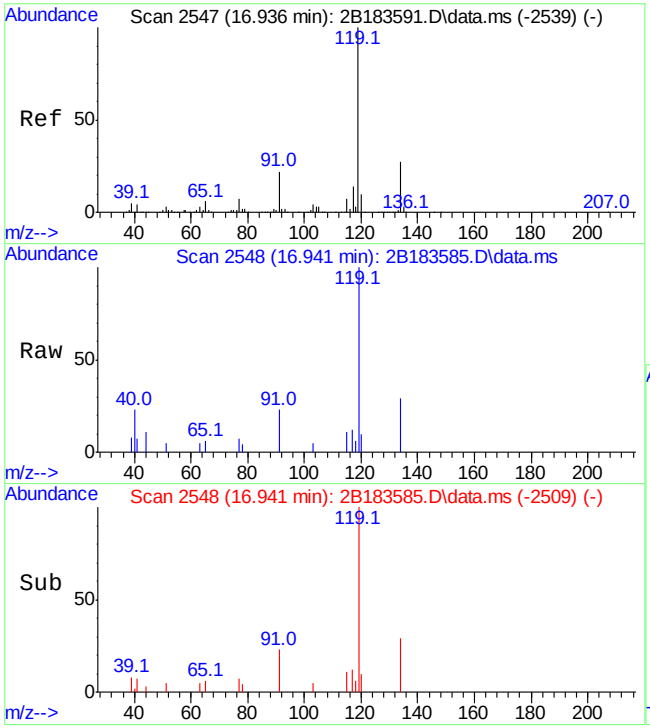


#110
1,3-dichlorobenzene
Concen: 0.49 ug/L
RT: 16.988 min Scan# 2557
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:146 Resp: 3874

Ion	Ratio	Lower	Upper
146	100		
111	36.7	6.0	66.0
148	61.1	34.1	94.1

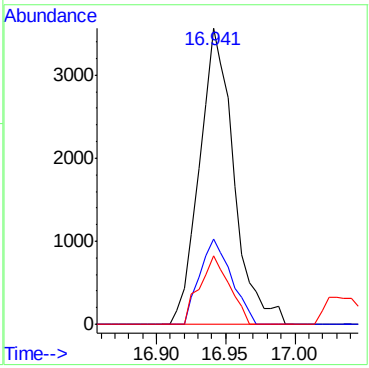


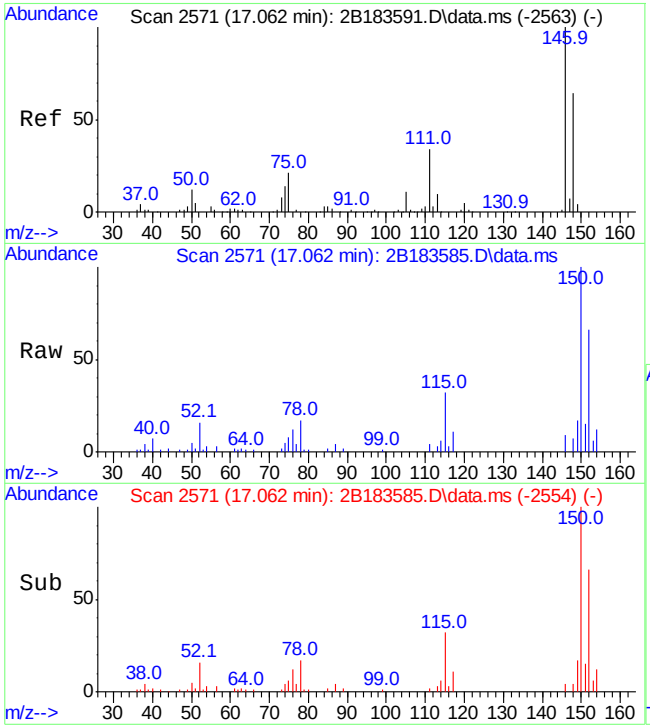


#111
p-isopropyltoluene
Concen: 0.43 ug/L
RT: 16.941 min Scan# 2548
Delta R.T. 0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:119 Resp: 6180

Ion	Ratio	Lower	Upper
119	100		
134	28.7	0.0	57.2
91	23.1	0.0	51.8

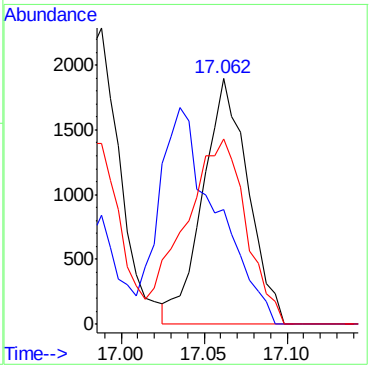


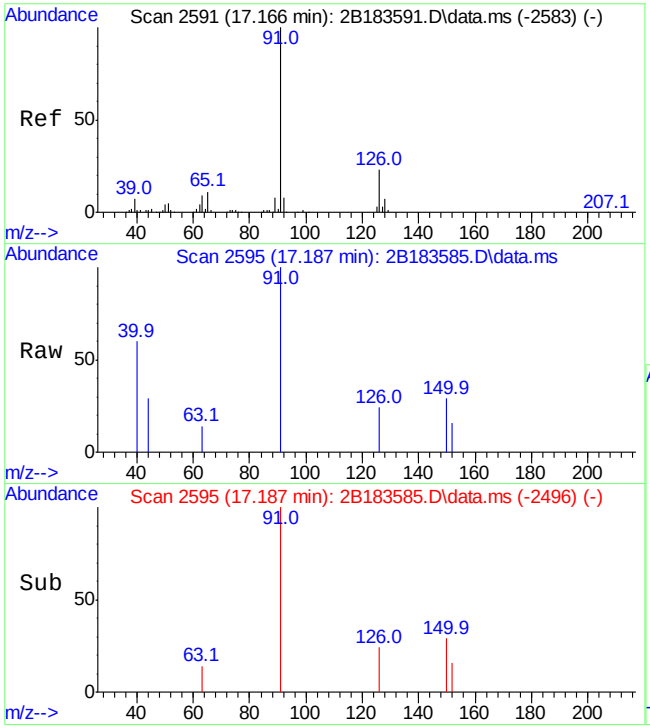


#112
1,4-dichlorobenzene
Concen: 0.46 ug/L
RT: 17.062 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:146 Resp: 3589

Ion	Ratio	Lower	Upper
146	100		
111	46.4	4.0	64.0
148	75.1	34.3	94.3

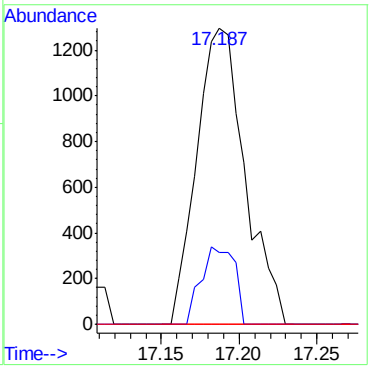


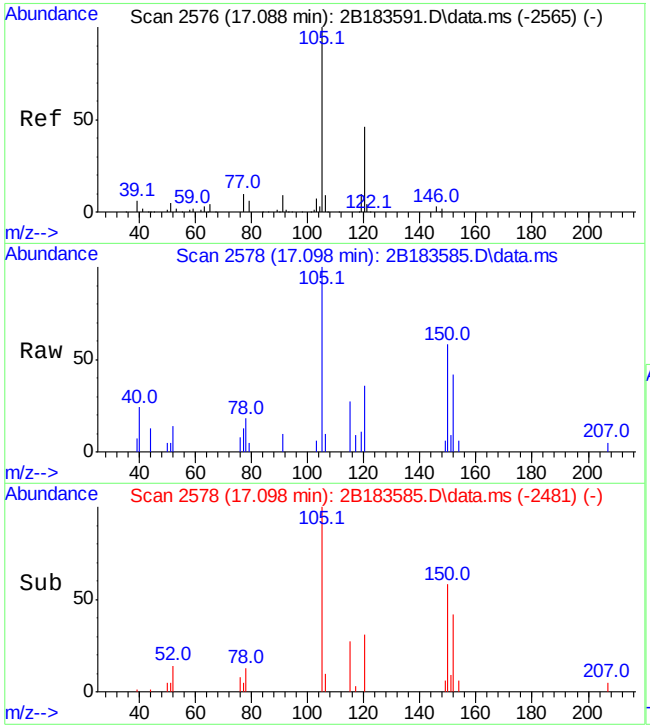


#113
benzyl chloride
Concen: 0.40 ug/L
RT: 17.187 min Scan# 2595
Delta R.T. 0.021 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion: 91 Resp: 2796

Ion	Ratio	Lower	Upper
91	100		
126	24.2	0.0	52.7
62	0.0	0.0	34.0

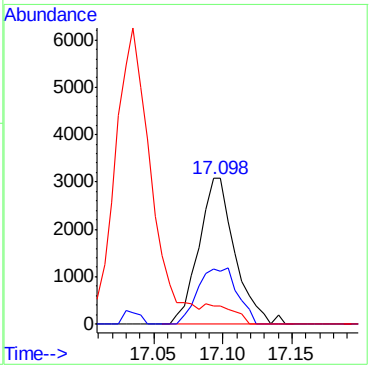


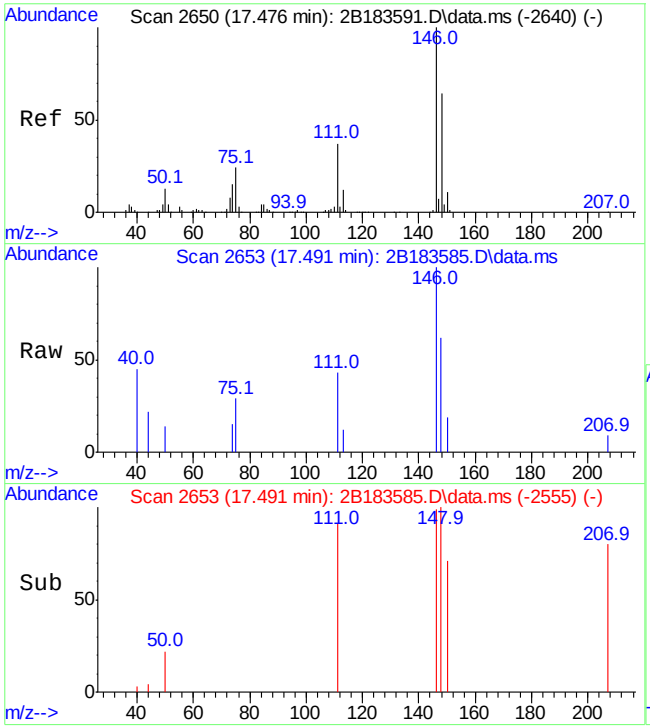


#114
1,2,3-trimethylbenzene
Concen: 0.45 ug/L
RT: 17.098 min Scan# 2578
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:105 Resp: 5562

Ion	Ratio	Lower	Upper
105	100		
120	36.4	16.3	76.3
77	12.7	0.0	41.7

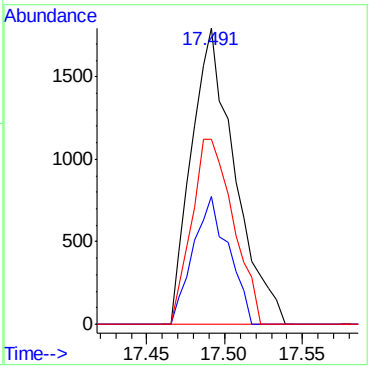


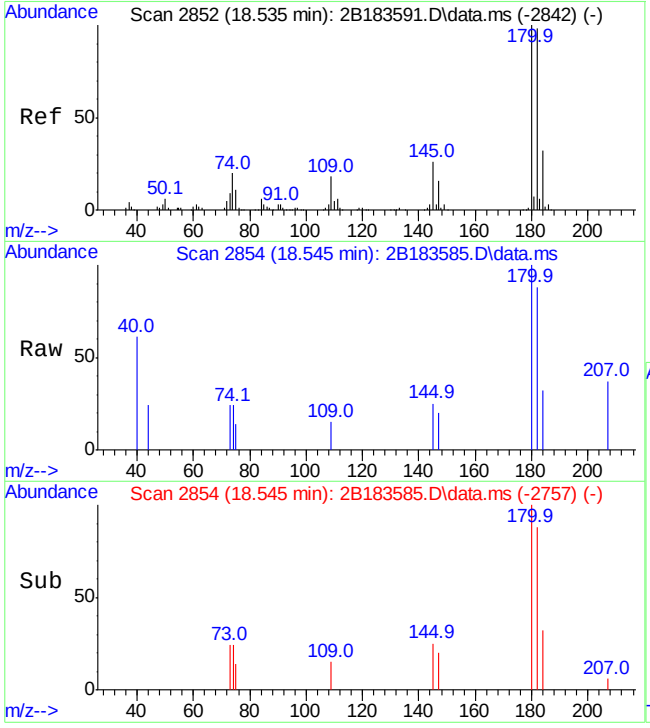


#115
1,2-dichlorobenzene
Concen: 0.44 ug/L
RT: 17.491 min Scan# 2653
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:146 Resp: 3465

Ion	Ratio	Lower	Upper
146	100		
111	43.1	6.6	66.6
148	62.4	34.3	94.3

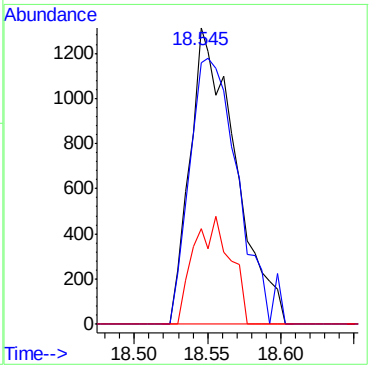


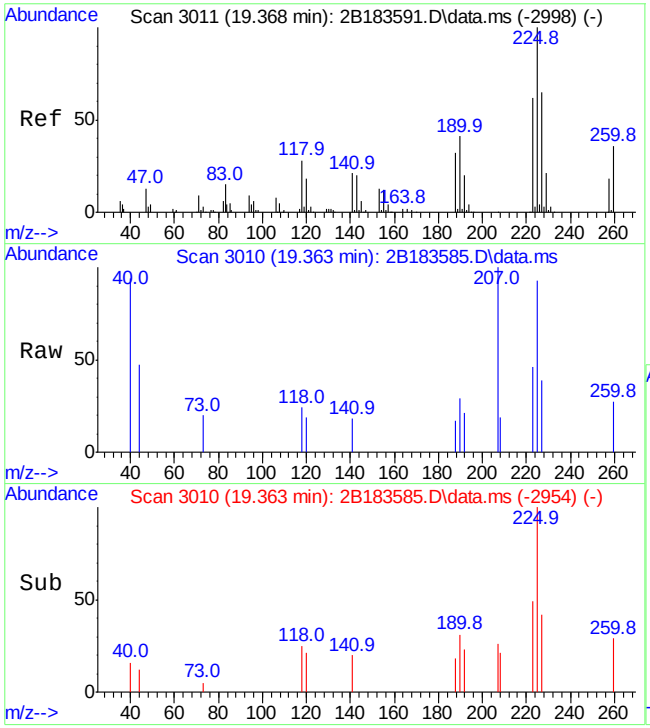


#119
1,3,5-trichlorobenzene
Concen: 0.42 ug/L
RT: 18.545 min Scan# 2854
Delta R.T. 0.011 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:180 Resp: 2844

Ion	Ratio	Lower	Upper
180	100		
182	88.3	67.9	127.9
184	32.4	1.5	61.5

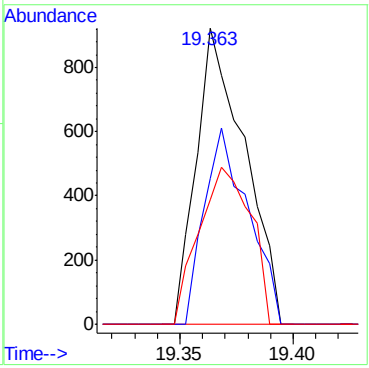


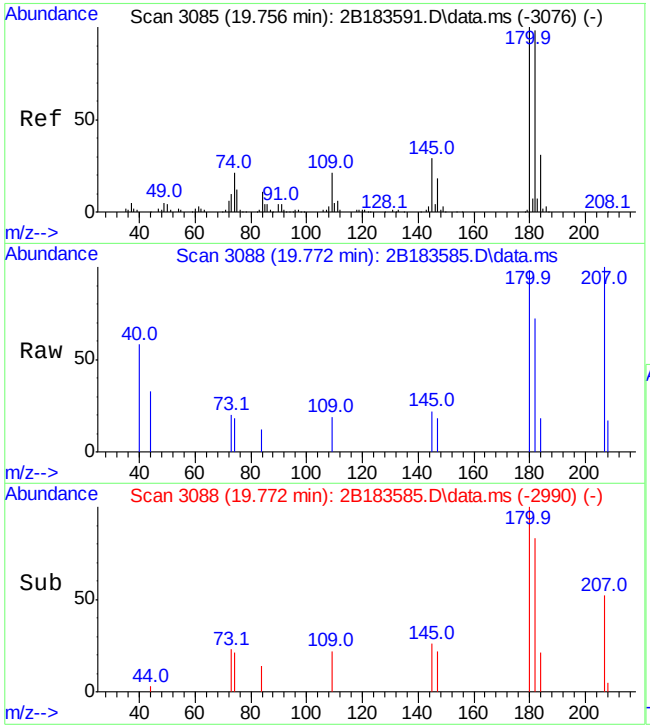


#122
hexachlorobutadiene
Concen: 0.43 ug/L
RT: 19.363 min Scan# 3010
Delta R.T. -0.005 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:225 Resp: 1366

Ion	Ratio	Lower	Upper
225	100		
223	49.2	32.1	92.1
227	42.1	34.7	94.7

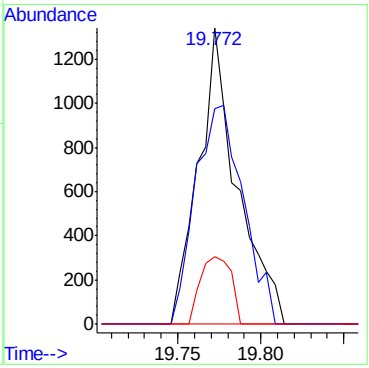




#124
1,2,3-trichlorobenzene
Concen: 0.42 ug/L
RT: 19.772 min Scan# 3088
Delta R.T. 0.016 min
Lab File: 2B183585.D
Acq: 16 Jun 21 6:26 pm

Tgt Ion:180 Resp: 2169

Ion	Ratio	Lower	Upper
180	100		
182	72.9	68.2	128.2
145	22.8	0.0	58.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183586.D
Acq On : 16 Jun 2021 6:55 pm
Operator : thienn
Sample : ic8337-1
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 18:41:35 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.750	65	128479	500.00	ug/L		0.00
5) pentafluorobenzene	10.256	168	374043	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	500559	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	467021	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	258810	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	168803	50.43	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.86%				
52) 1,2-dichloroethane-d4 (s)	10.681	65	176071	51.06	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.12%				
74) toluene-d8 (s)	12.951	98	568048	50.34	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.68%				
98) 4-bromofluorobenzene (s)	15.793	95	214055	49.68	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.36%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.912	59	1145	3.90	ug/L		52
3) ethanol	6.434	45	1804	71.91	ug/L	#	39
6) chlorodifluoromethane	4.169	51	4346	0.92	ug/L		77
7) dichlorodifluoromethane	4.158	85	5507	0.88	ug/L		90
8) chloromethane	4.562	50	5490	0.96	ug/L		99
9) vinyl chloride	4.819	62	5010	0.93	ug/L		86
10) 1,3-butadiene	4.840	54	3639	0.96	ug/L		92
11) bromomethane	5.464	94	3825	0.99	ug/L		99
12) chloroethane	5.626	64	2676	1.01	ug/L	#	45
13) trichlorofluoromethane	6.145	101	5877	1.49	ug/L		87
14) ethyl ether	6.628	74	1260	0.85	ug/L	#	57
16) freon 113	7.084	151	2954	0.91	ug/L		93
17) 1,1-dichloroethene	7.052	96	2647	0.95	ug/L		87
18) acetone	7.126	43	2510	4.05	ug/L		94
20) iodomethane	7.309	142	6057	1.00	ug/L		97
21) carbon disulfide	7.472	76	9023	0.97	ug/L		90
22) methylene chloride	7.802	84	2903	0.97	ug/L		90
24) methyl tert butyl ether	8.253	73	9159	1.09	ug/L		99
25) trans-1,2-dichloroethene	8.279	96	3068	1.05	ug/L		83
26) di-isopropyl ether	8.950	45	9055	0.99	ug/L		91
28) 1,1-dichloroethane	8.861	63	4948	0.97	ug/L		97
29) chloroprene	9.029	53	3664	0.98	ug/L		94
31) hexane	8.699	56	1999	0.91	ug/L	#	79
33) ethyl tert-butyl ether	9.448	59	9660	0.97	ug/L		97
35) 2,2-dichloropropane	9.684	77	4863	1.01	ug/L		92
36) cis-1,2-dichloroethene	9.663	96	3318	1.03	ug/L		88
39) bromochloromethane	9.967	128	1645	0.94	ug/L		91
41) chloroform	10.041	85	3909	1.05	ug/L		99
42) t-butyl formate	10.130	59	2174	0.95	ug/L		73
45) 1,1,1-trichloroethane	10.350	97	4581	0.95	ug/L		95
46) cyclohexane	10.476	84	4230	0.95	ug/L		90
47) 1,1-dichloropropene	10.560	75	3919	1.06	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183586.D
Acq On : 16 Jun 2021 6:55 pm
Operator : thienn
Sample : ic8337-1
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 18:41:35 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	carbon tetrachloride	10.591	117	4474	0.99	ug/L		94
54)	2,2,4-trimethylpentane	10.911	57	9516	0.99	ug/L		94
55)	benzene	10.817	78	10904	1.03	ug/L		94
56)	tert-amyl methyl ether	10.906	87	2067	0.93	ug/L	#	80
57)	heptane	11.110	71	2033	0.89	ug/L		85
59)	1,2-dichloroethane	10.791	62	4086	1.01	ug/L		94
60)	trichloroethene	11.582	130	3335	1.01	ug/L		97
63)	2-chloroethyl vinyl ether	12.416	63	7898	4.92	ug/L		90
65)	1,2-dichloropropane	11.824	63	2734	1.01	ug/L		91
66)	dibromomethane	11.965	93	1886	1.02	ug/L		91
67)	methylcyclohexane	11.850	83	5051	0.97	ug/L		93
68)	bromodichloromethane	12.112	83	4181	1.03	ug/L		93
70)	cis-1,3-dichloropropene	12.626	75	4495	0.97	ug/L		96
71)	4-methyl-2-pentanone	12.741	58	3162	3.58	ug/L		91
75)	toluene	13.035	92	6822	1.02	ug/L		99
76)	trans-1,3-dichloropropene	13.218	75	3674	0.96	ug/L		91
77)	ethyl methacrylate	13.281	69	2663	0.77	ug/L	#	79
78)	1,1,2-trichloroethane	13.433	83	1891	0.91	ug/L		91
79)	tetrachloroethene	13.674	164	2734	0.98	ug/L		83
80)	1,3-dichloropropane	13.627	76	4192	1.04	ug/L		95
81)	2-hexanone	13.680	58	2623	3.50	ug/L	#	88
83)	dibromochloromethane	13.905	129	3238	0.96	ug/L		95
84)	1,2-dibromoethane	14.073	107	2634	1.02	ug/L		89
85)	n-butyl ether	14.587	57	9668	0.96	ug/L		89
86)	chlorobenzene	14.587	112	8244	1.04	ug/L		90
87)	1,1,1,2-tetrachloroethane	14.655	131	3290	1.04	ug/L		93
88)	ethylbenzene	14.681	91	12862	1.00	ug/L		98
89)	m,p-xylene	14.802	106	10673	2.06	ug/L		97
90)	o-xylene	15.237	106	5649	1.02	ug/L	#	88
91)	styrene	15.258	104	8462	0.96	ug/L		90
93)	bromoform	15.473	173	2594	1.01	ug/L		90
94)	butyl acrylate	15.090	55	3993	0.88	ug/L		94
95)	isopropylbenzene	15.609	105	15148	1.01	ug/L		96
99)	bromobenzene	16.002	156	4045	0.99	ug/L		93
100)	1,1,2,2-tetrachloroethane	15.871	83	3275	0.97	ug/L		77
101)	trans-1,4-dichloro-2-b...	15.945	53	722	0.85	ug/L	#	1
102)	1,2,3-trichloropropane	15.955	110	919	0.97	ug/L		90
103)	n-propylbenzene	16.049	91	15843	0.98	ug/L		97
104)	2-chlorotoluene	16.186	126	3604	0.97	ug/L		93
105)	4-chlorotoluene	16.296	91	10362	1.02	ug/L		95
106)	1,3,5-trimethylbenzene	16.212	105	12006	0.99	ug/L		96
107)	tert-butylbenzene	16.584	134	2543	0.93	ug/L		91
108)	1,2,4-trimethylbenzene	16.626	105	12530	0.99	ug/L		93
109)	sec-butylbenzene	16.815	105	15357	0.94	ug/L		98
110)	1,3-dichlorobenzene	16.983	146	8056	1.02	ug/L		96
111)	p-isopropyltoluene	16.941	119	13895	0.97	ug/L		99
112)	1,4-dichlorobenzene	17.067	146	7782	1.00	ug/L		97
113)	benzyl chloride	17.182	91	6239	0.90	ug/L		89
114)	1,2,3-trimethylbenzene	17.093	105	12115	0.98	ug/L		97
115)	1,2-dichlorobenzene	17.491	146	8005	1.01	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183586.D
Acq On : 16 Jun 2021 6:55 pm
Operator : thienn
Sample : ic8337-1
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 18:41:35 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
116) n-butylbenzene	17.386	92	5802	0.90	ug/L	91
117) hexachloroethane	17.790	201	2620	0.91	ug/L	93
119) 1,3,5-trichlorobenzene	18.545	180	6145	0.90	ug/L	98
121) 1,2,4-trichlorobenzene	19.221	180	5201	0.87	ug/L	98
122) hexachlorobutadiene	19.368	225	3116	0.98	ug/L	87
123) naphthalene	19.520	128	10161	0.89	ug/L	95
124) 1,2,3-trichlorobenzene	19.767	180	4664	0.90	ug/L	94

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

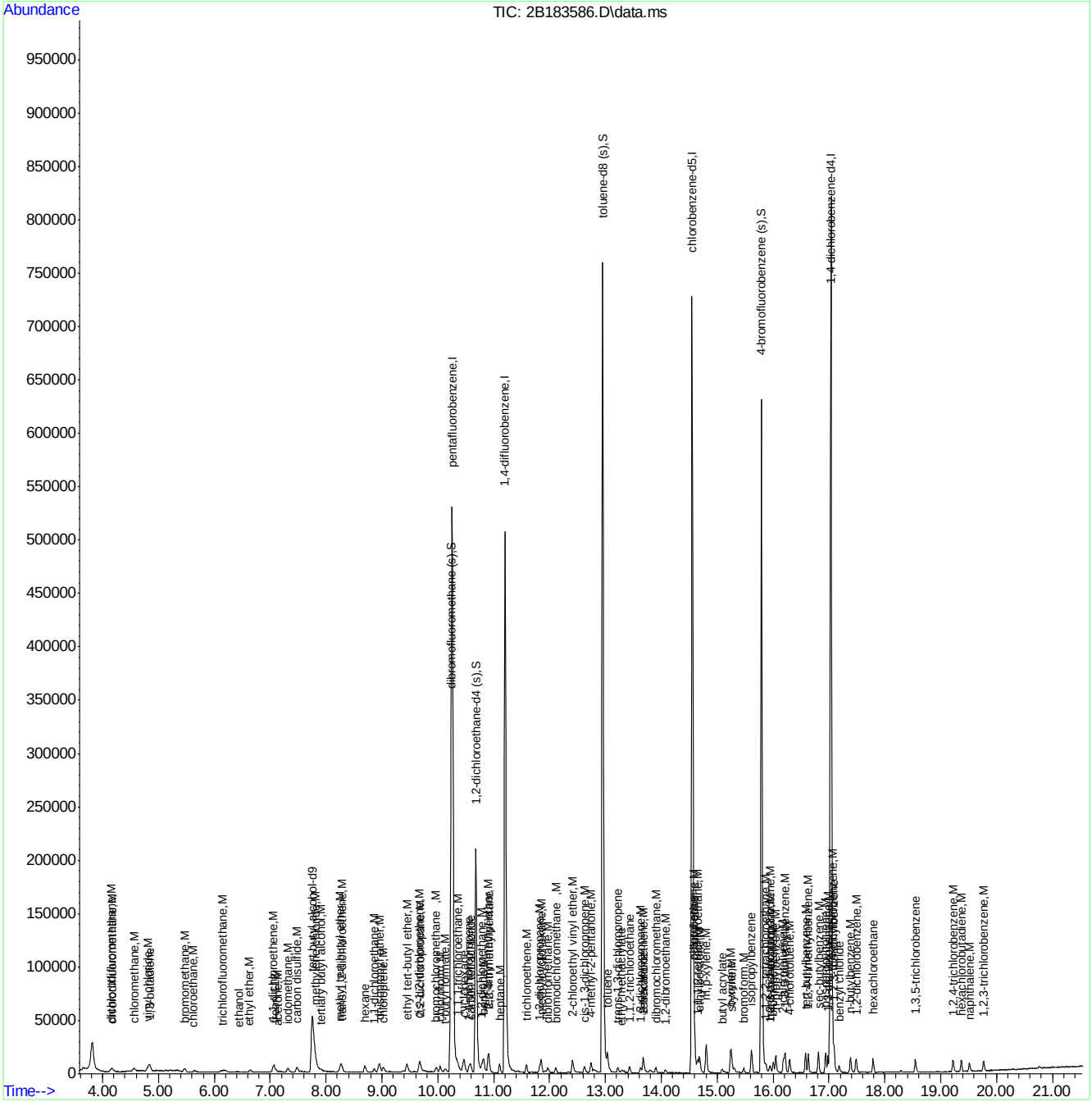
7.7.3

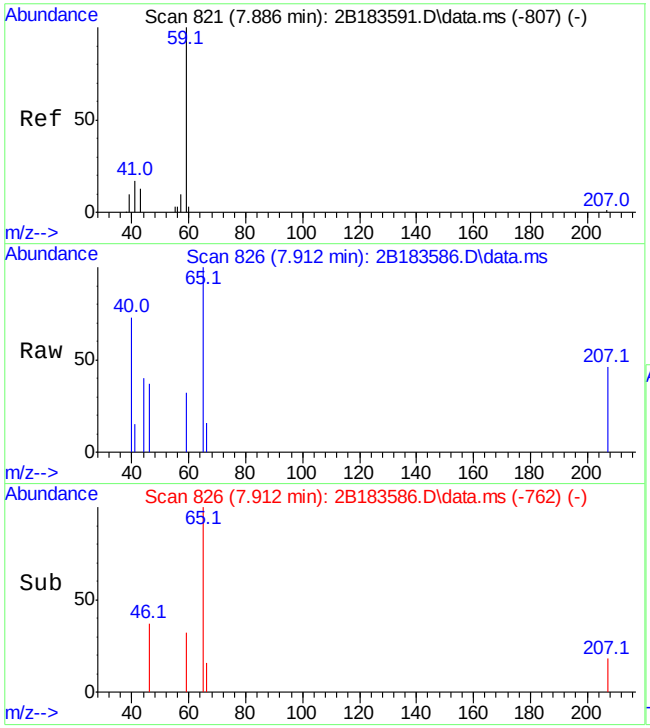
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183586.D
Acq On : 16 Jun 2021 6:55 pm
Operator : thienn
Sample : ic8337-1
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 17 18:41:35 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

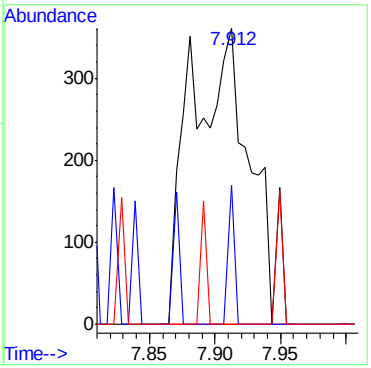


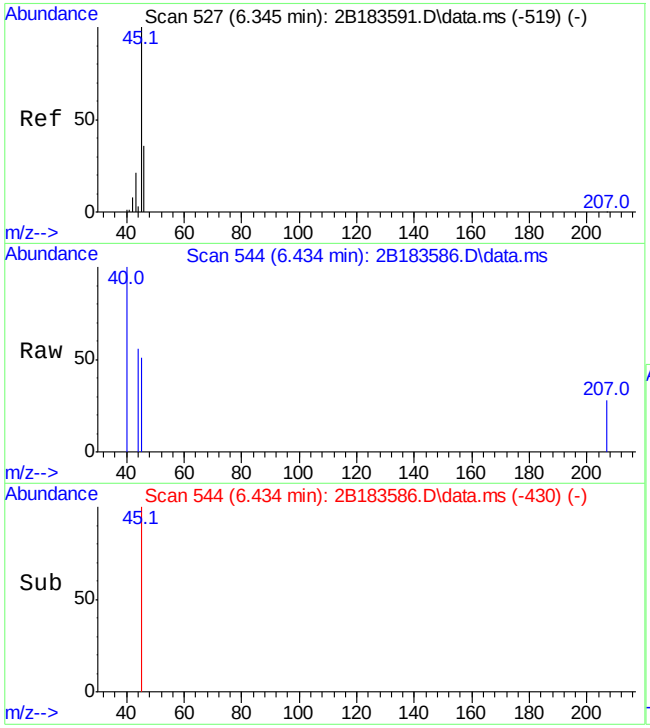


#2
tertiary butyl alcohol
Concen: 3.90 ug/L
RT: 7.912 min Scan# 826
Delta R.T. 0.037 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 59 Resp: 1145

Ion	Ratio	Lower	Upper
59	100		
41	46.8	0.0	50.6
43	0.0	0.0	45.6

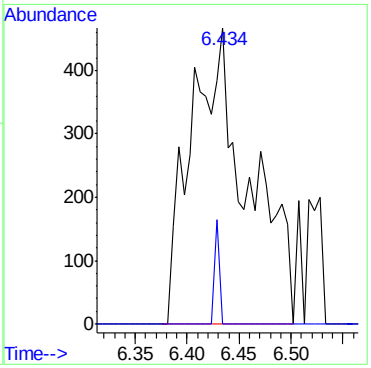


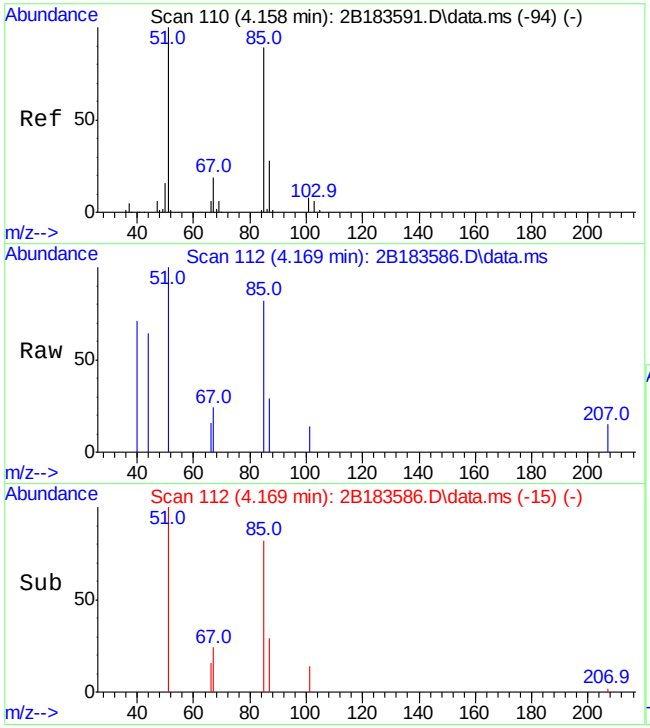


#3
ethanol
Concen: 71.91 ug/L
RT: 6.434 min Scan# 544
Delta R.T. 0.100 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 45 Resp: 1804

Ion	Ratio	Lower	Upper
45	100		
46	0.0	6.1	66.1#

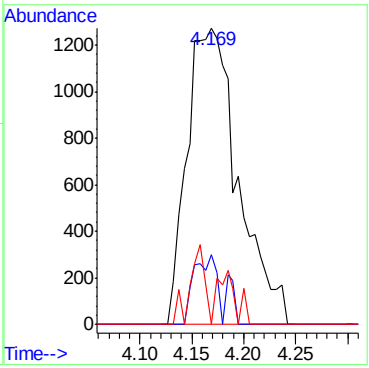


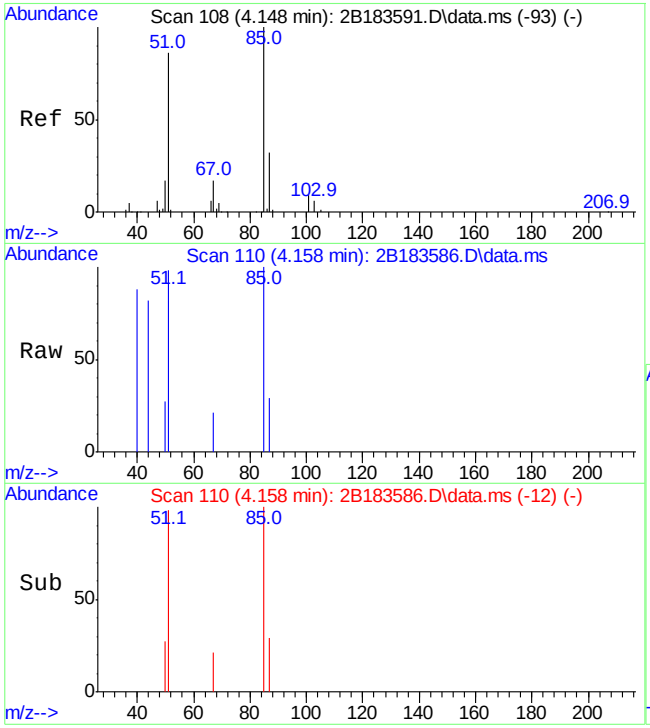


#6
chlorodifluoromethane
Concen: 0.92 ug/L
RT: 4.169 min Scan# 112
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 51 Resp: 4346

Ion	Ratio	Lower	Upper
51	100		
67	23.6	0.0	48.7
50	0.0	0.0	45.8

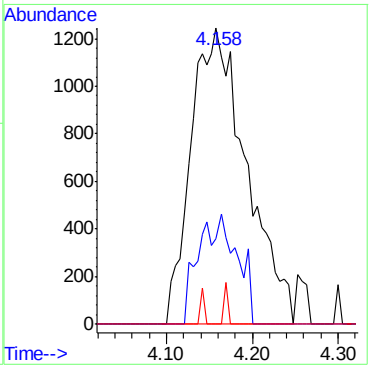


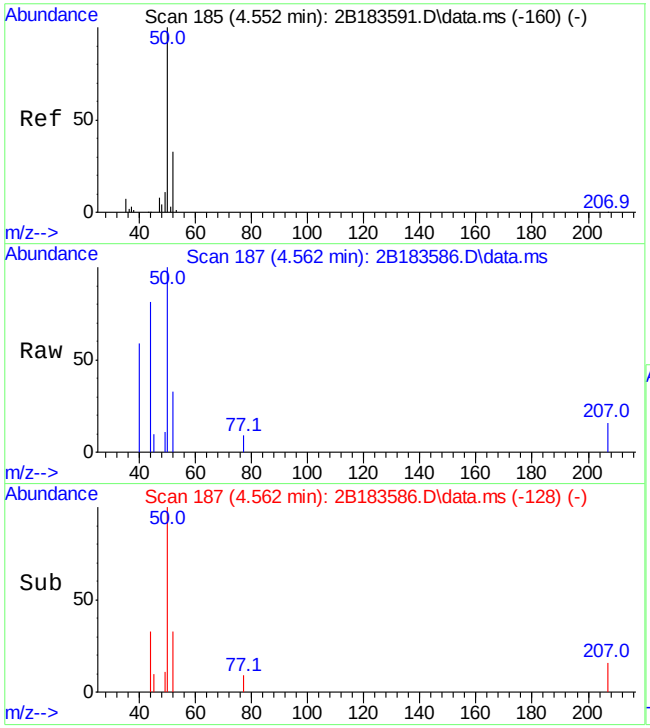


#7
dichlorodifluoromethane
Concen: 0.88 ug/L
RT: 4.158 min Scan# 110
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 85 Resp: 5507

Ion	Ratio	Lower	Upper
85	100		
87	28.8	1.9	61.9
101	0.0	0.0	39.2

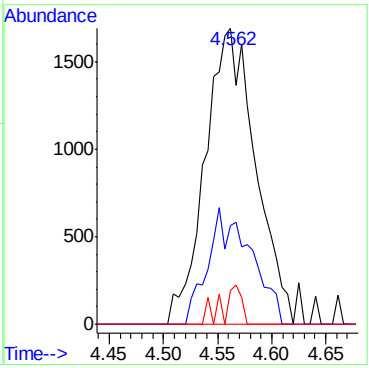


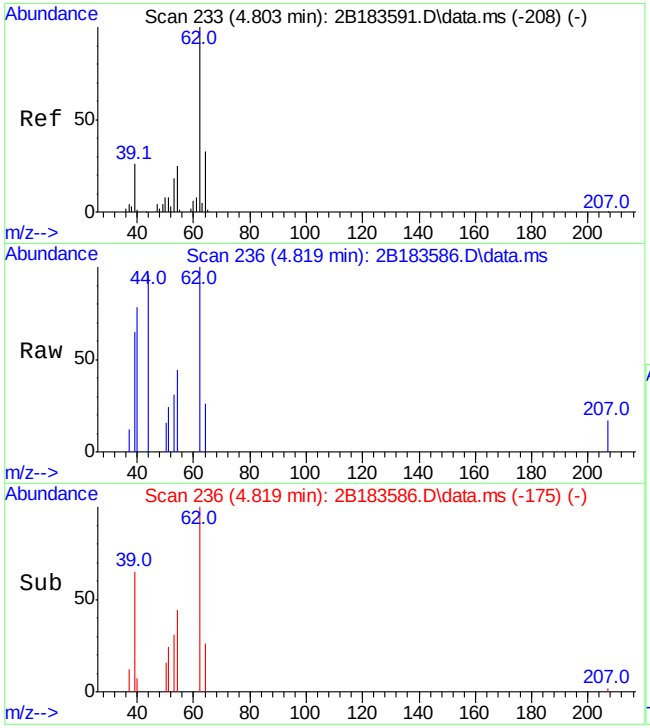


#8
chloromethane
Concen: 0.96 ug/L
RT: 4.562 min Scan# 187
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 50 Resp: 5490

Ion	Ratio	Lower	Upper
50	100		
52	33.4	2.9	62.9
49	11.2	0.0	41.3

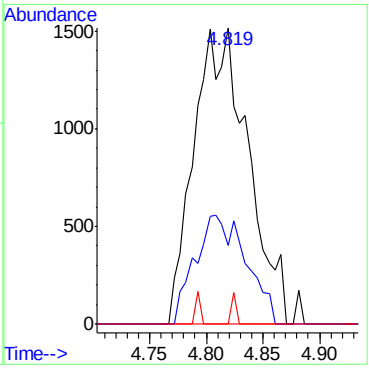


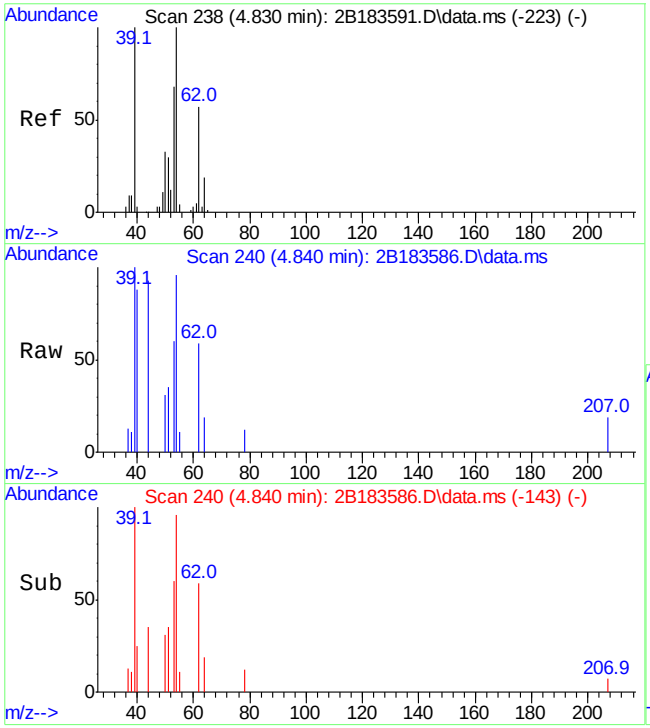


#9
vinyl chloride
Concen: 0.93 ug/L
RT: 4.819 min Scan# 236
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 62 Resp: 5010

Ion	Ratio	Lower	Upper
62	100		
64	26.4	3.0	63.0
61	0.0	0.0	38.4

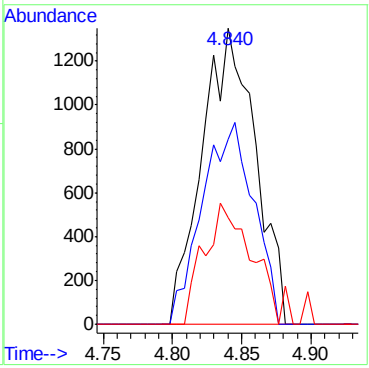


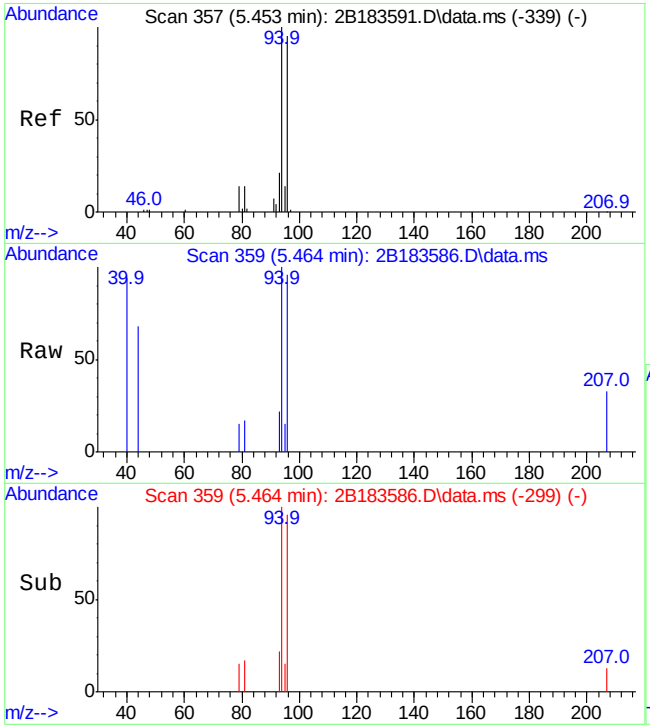


#10
1,3-butadiene
Concen: 0.96 ug/L
RT: 4.840 min Scan# 240
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 54 Resp: 3639

Ion	Ratio	Lower	Upper
54	100		
53	62.4	38.4	98.4
51	35.9	0.0	60.0

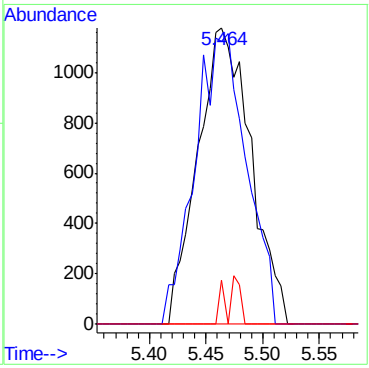


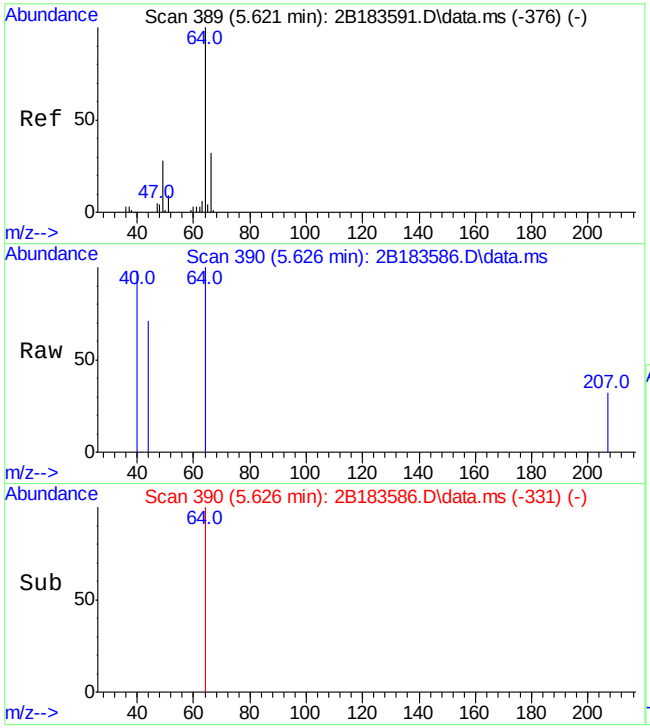


#11
bromomethane
Concen: 0.99 ug/L
RT: 5.464 min Scan# 359
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 94 Resp: 3825

Ion	Ratio	Lower	Upper
94	100		
96	95.6	65.2	125.2
79	15.0	0.0	44.4

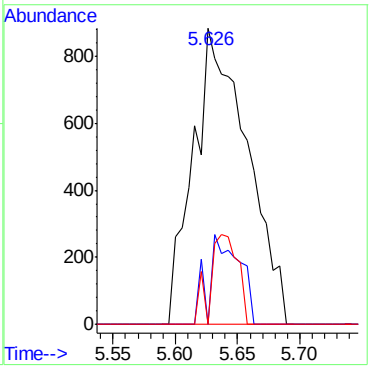


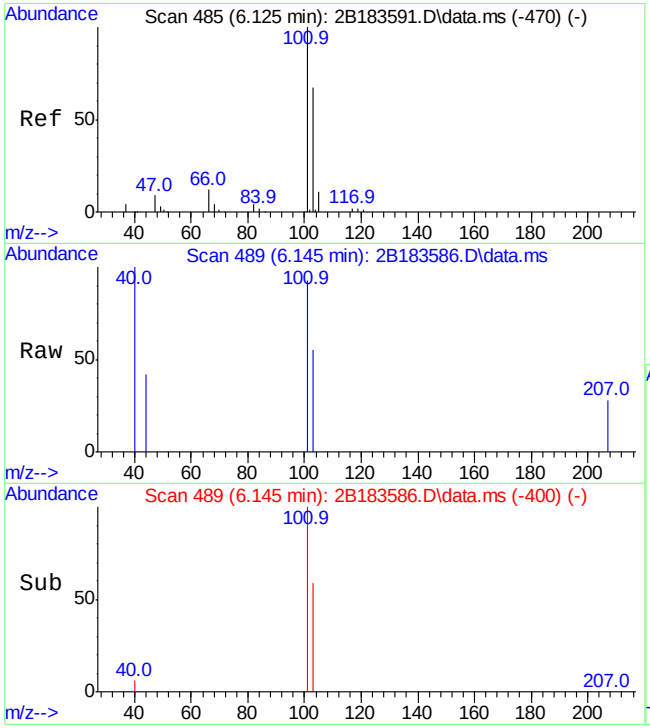


#12
chloroethane
Concen: 1.01 ug/L
RT: 5.626 min Scan# 390
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 64 Resp: 2676

Ion	Ratio	Lower	Upper
64	100		
66	0.0	1.7	61.7#
49	0.0	0.0	57.6

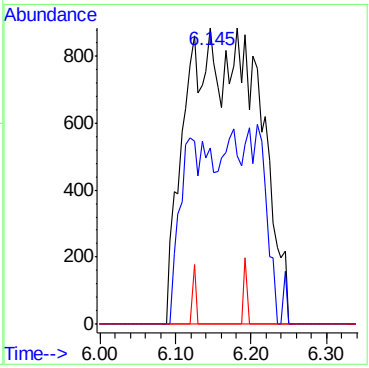


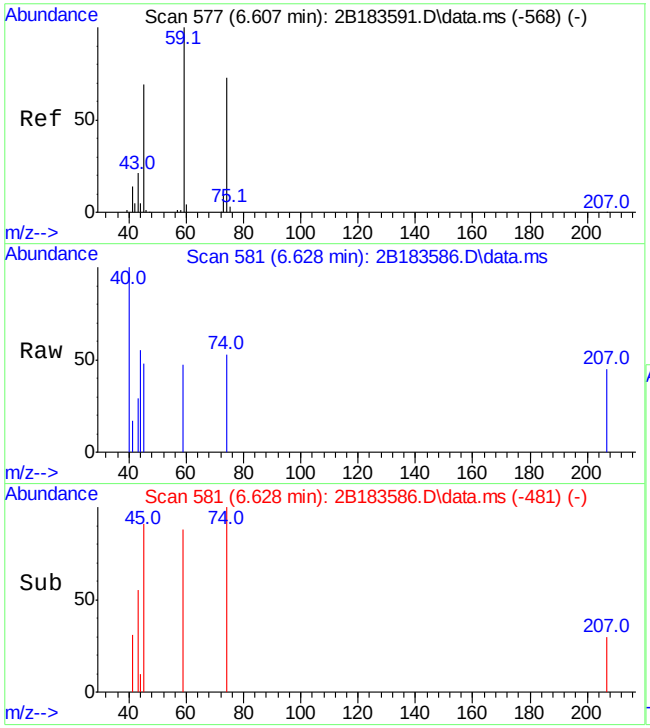


#13
trichlorofluoromethane
Concen: 1.49 ug/L
RT: 6.145 min Scan# 489
Delta R.T. -0.032 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:101 Resp: 5877

Ion	Ratio	Lower	Upper
101	100		
103	59.4	37.3	97.3
66	0.0	0.0	42.3

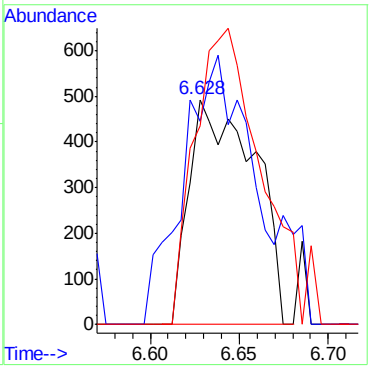


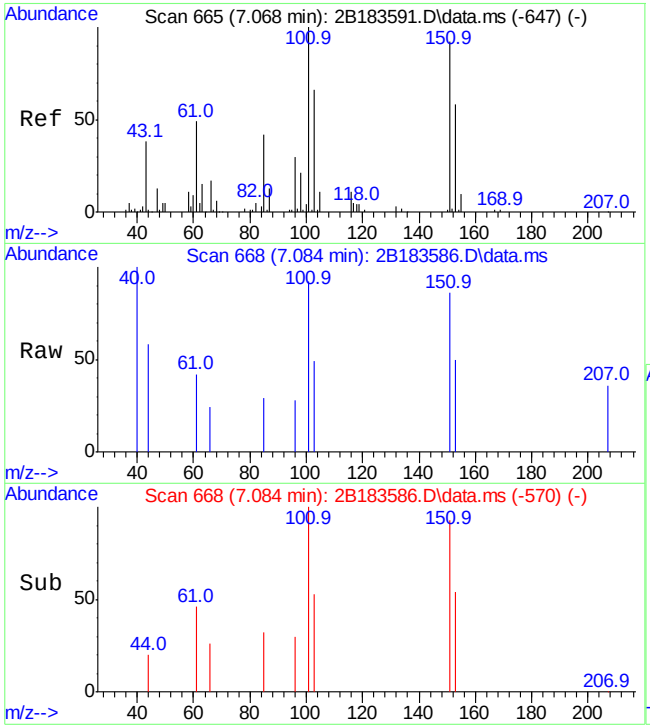


#14
ethyl ether
Concen: 0.85 ug/L
RT: 6.628 min Scan# 581
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 74 Resp: 1260

Ion	Ratio	Lower	Upper
74	100		
45	54.1	69.2	129.2#
59	88.4	107.5	167.5#

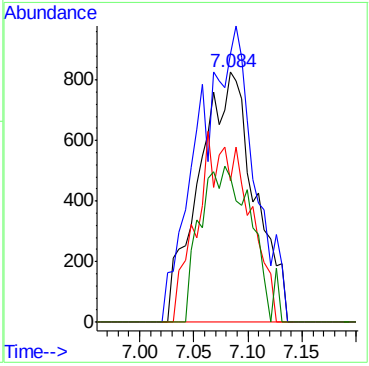


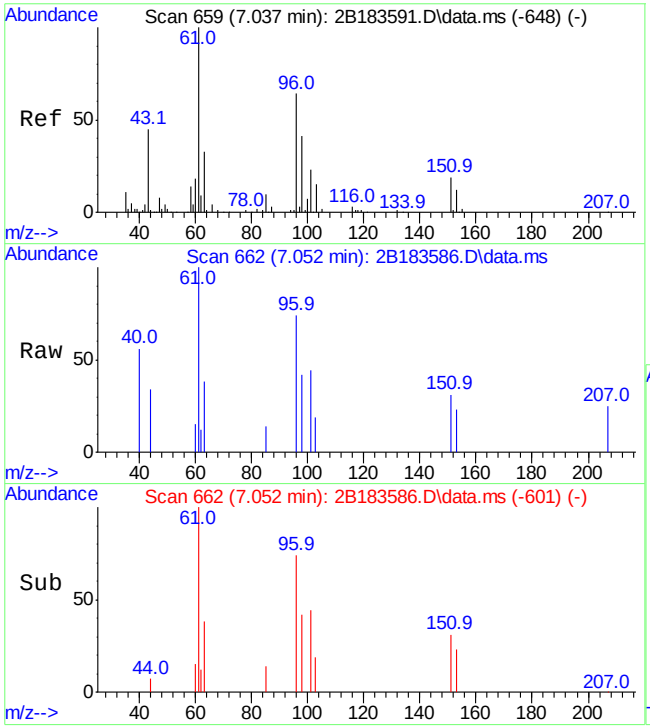


#16
freon 113
Concen: 0.91 ug/L
RT: 7.084 min Scan# 668
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:151 Resp: 2954

Ion	Ratio	Lower	Upper
151	100		
101	107.5	88.6	128.6
103	56.8	52.2	92.2
153	58.1	42.8	82.8

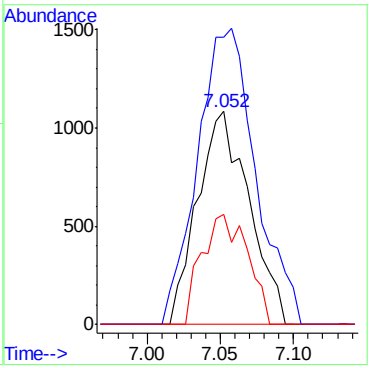


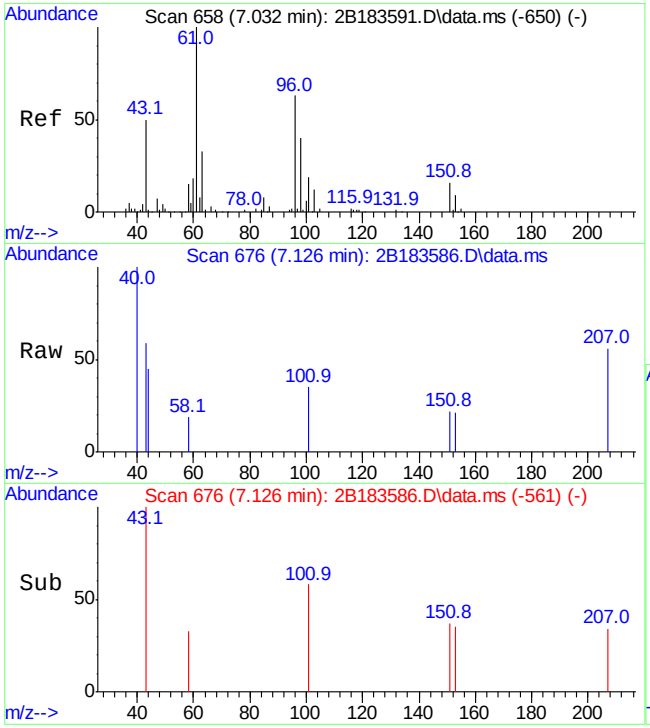


#17
1,1-dichloroethene
Concen: 0.95 ug/L
RT: 7.052 min Scan# 662
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 96 Resp: 2647

Ion	Ratio	Lower	Upper
96	100		
61	134.7	127.2	187.2
63	51.7	21.7	81.7

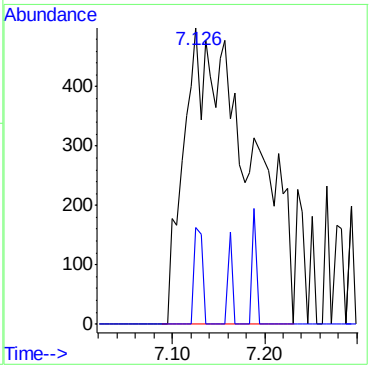


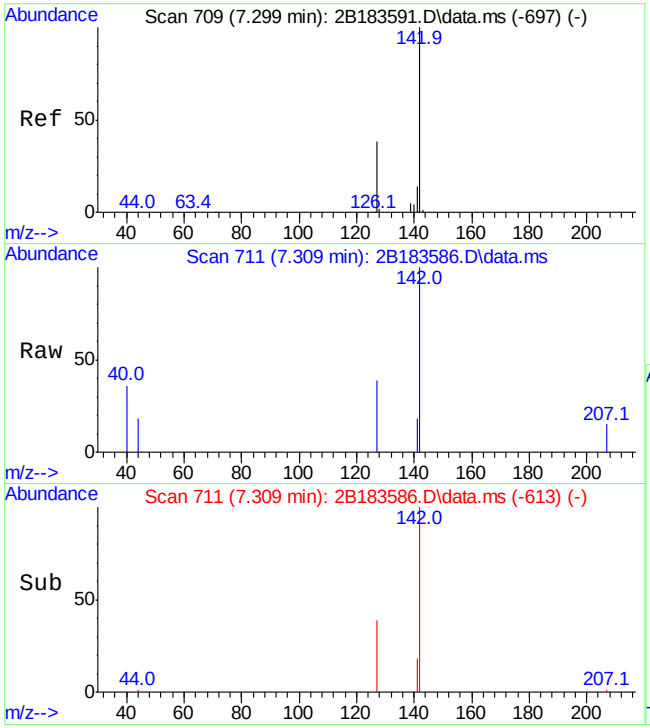


#18
acetone
Concen: 4.05 ug/L
RT: 7.126 min Scan# 676
Delta R.T. 0.105 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 43 Resp: 2510

Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	59.5

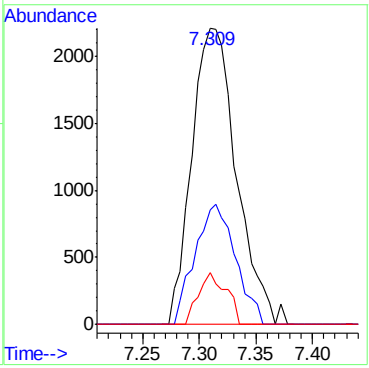


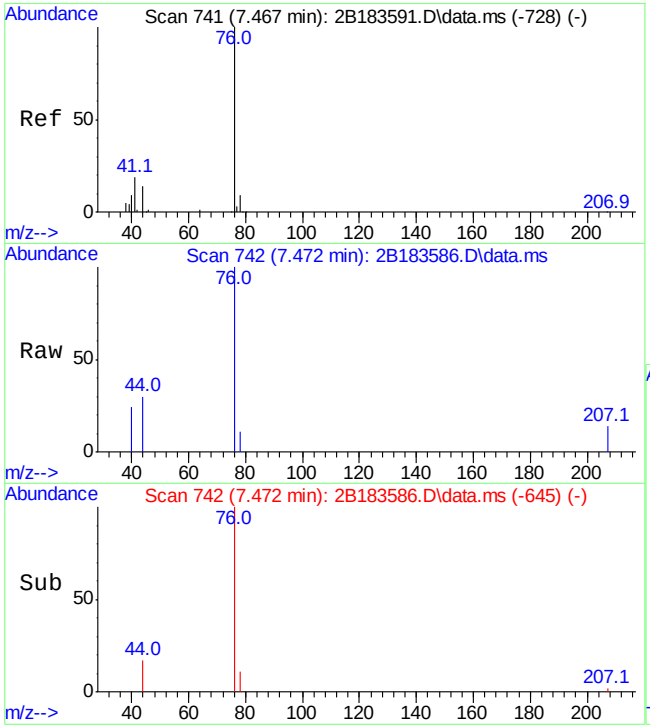


#20
iodomethane
Concen: 1.00 ug/L
RT: 7.309 min Scan# 711
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:142 Resp: 6057

Ion	Ratio	Lower	Upper
142	100		
127	38.8	8.2	68.2
141	17.6	0.0	43.6

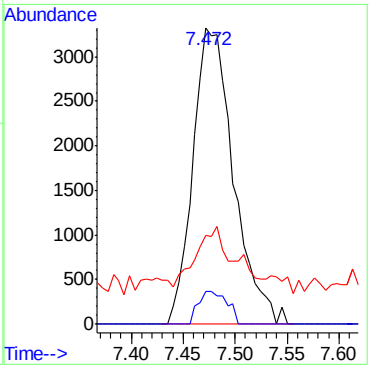


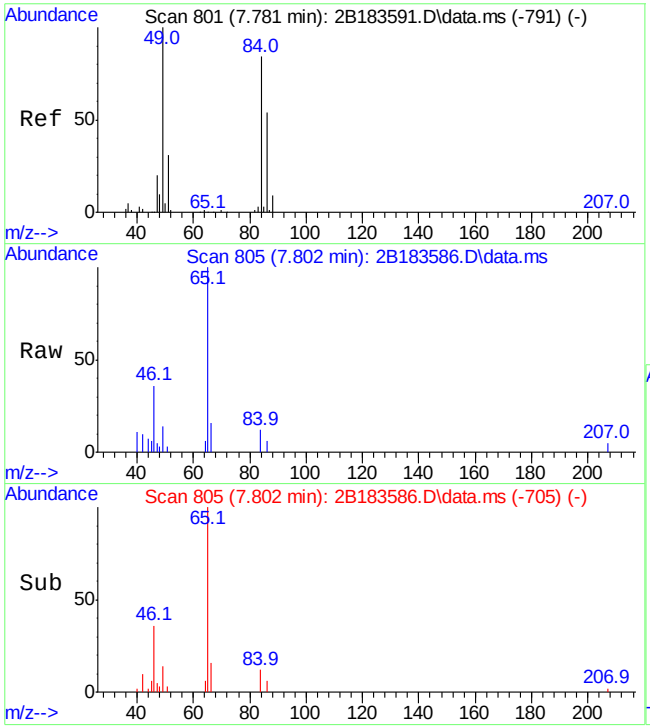


#21
carbon disulfide
Concen: 0.97 ug/L
RT: 7.472 min Scan# 742
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 76 Resp: 9023

Ion	Ratio	Lower	Upper
76	100		
78	11.0	0.0	39.2
44	19.7	0.0	44.1

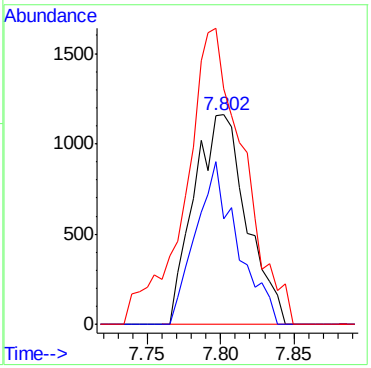


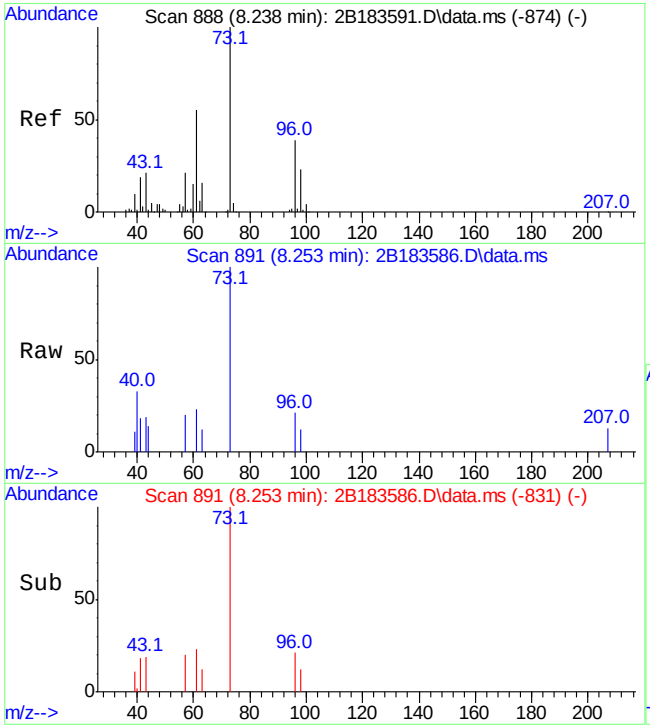


#22
methylene chloride
Concen: 0.97 ug/L
RT: 7.802 min Scan# 805
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 84 Resp: 2903

Ion	Ratio	Lower	Upper
84	100		
86	50.6	34.1	94.1
49	112.1	88.6	148.6

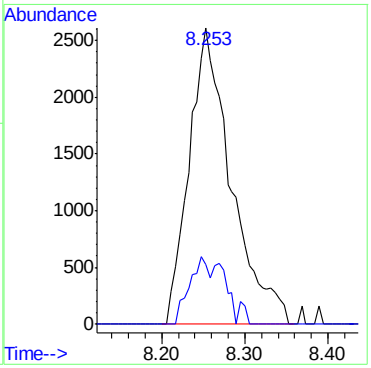


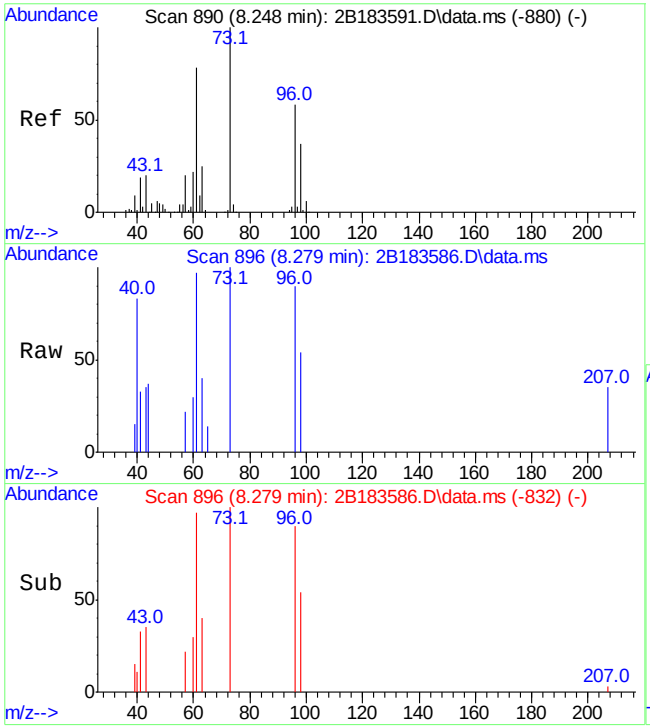


#24
methyl tert butyl ether
Concen: 1.09 ug/L
RT: 8.253 min Scan# 891
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 73 Resp: 9159

Ion	Ratio	Lower	Upper
73	100		
57	20.0	0.0	220.5

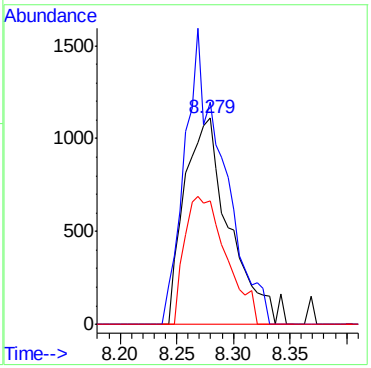


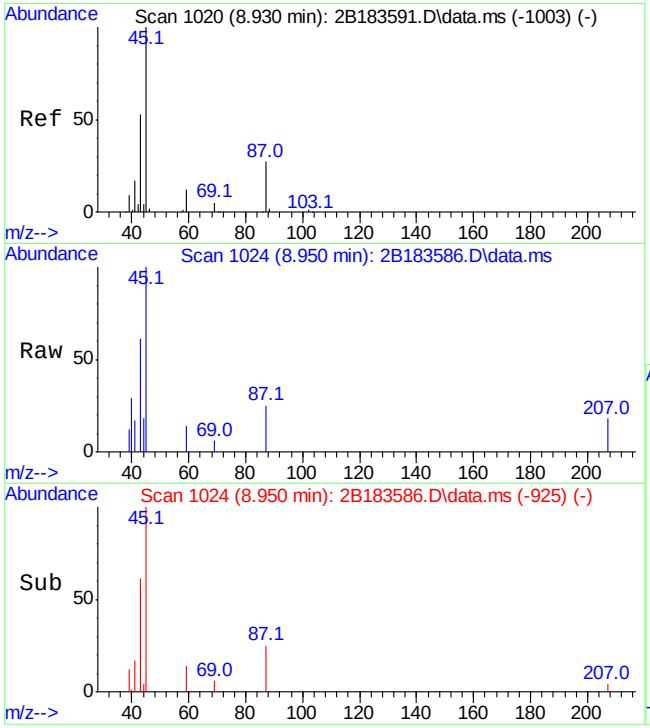


#25
trans-1,2-dichloroethene
Concen: 1.05 ug/L
RT: 8.279 min Scan# 896
Delta R.T. 0.037 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 96 Resp: 3068

Ion	Ratio	Lower	Upper
96	100		
61	107.8	103.8	163.8
98	59.9	34.0	94.0

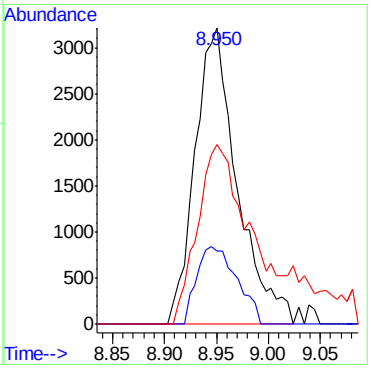


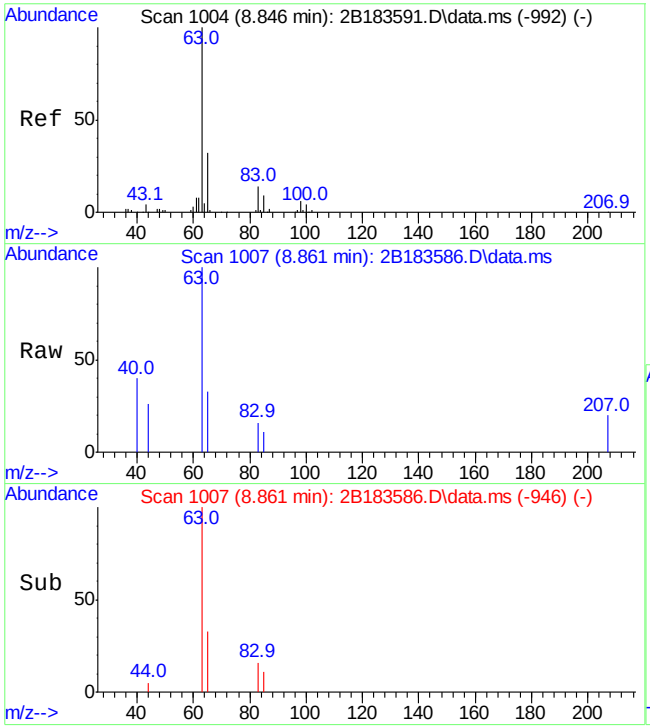


#26
di-isopropyl ether
Concen: 0.99 ug/L
RT: 8.950 min Scan# 1024
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 45 Resp: 9055

Ion	Ratio	Lower	Upper
45	100		
87	24.5	0.0	58.0
43	60.8	23.4	83.4

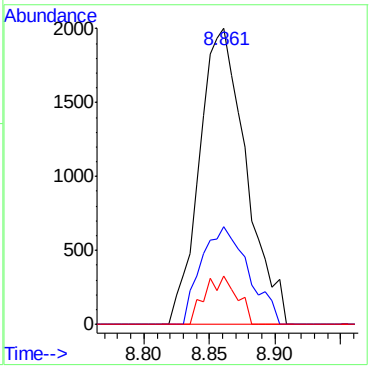


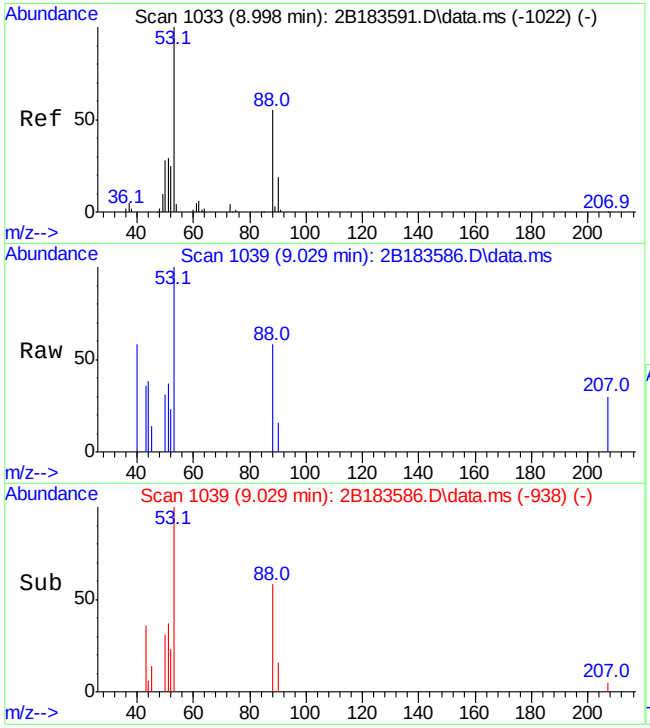


#28
1,1-dichloroethane
Concen: 0.97 ug/L
RT: 8.861 min Scan# 1007
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 63 Resp: 4948

Ion	Ratio	Lower	Upper
63	100		
65	33.1	2.1	62.1
83	16.3	0.0	44.4

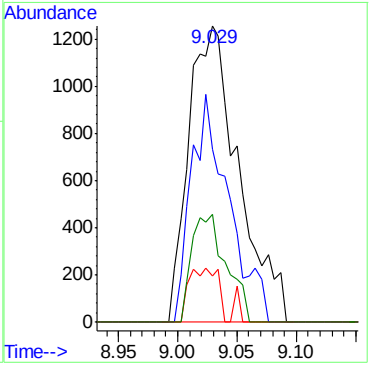


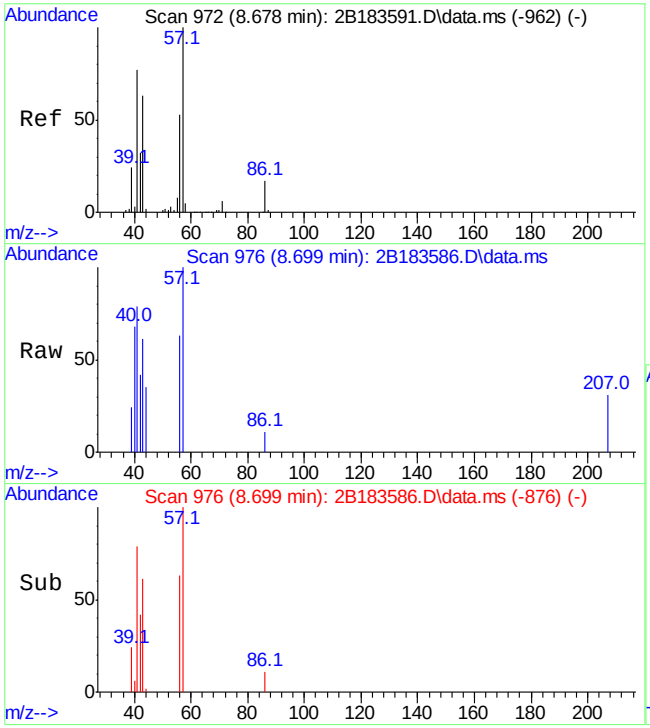


#29
chloroprene
Concen: 0.98 ug/L
RT: 9.029 min Scan# 1039
Delta R.T. 0.031 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 53 Resp: 3664

Ion	Ratio	Lower	Upper
53	100		
88	58.4	27.4	87.4
90	15.6	0.0	48.9
51	36.5	0.0	59.1

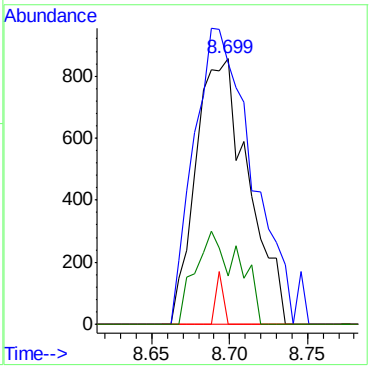


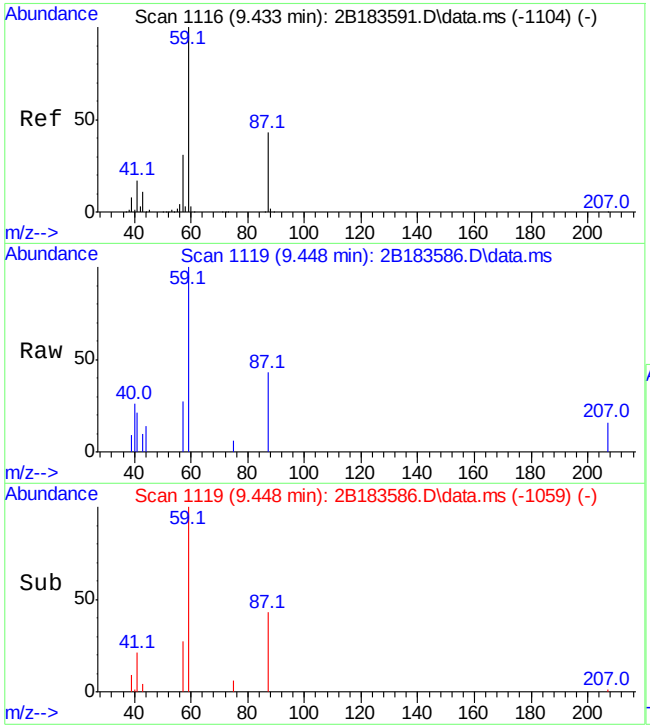


#31
hexane
Concen: 0.91 ug/L
RT: 8.699 min Scan# 976
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 56 Resp: 1999

Ion	Ratio	Lower	Upper
56	100		
43	98.0	99.4	139.4#
71	0.0	0.0	31.0
86	18.2	12.3	52.3

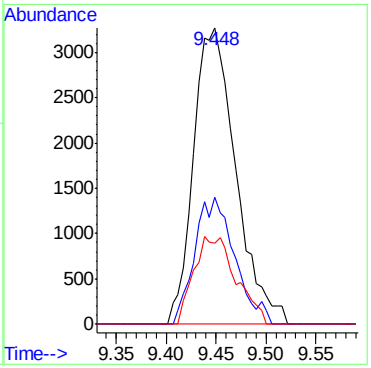


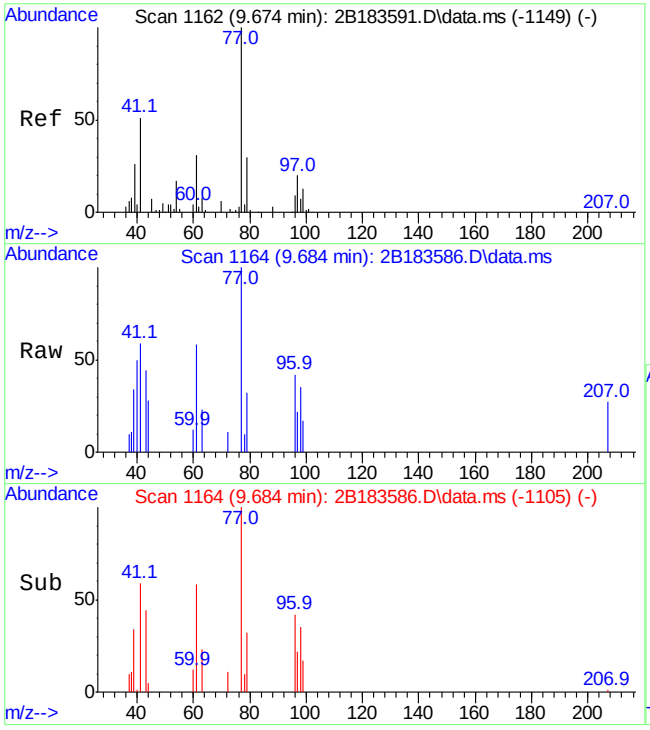


#33
ethyl tert-butyl ether
Concen: 0.97 ug/L
RT: 9.448 min Scan# 1119
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 59 Resp: 9660

Ion	Ratio	Lower	Upper
59	100		
87	42.7	12.7	72.7
57	27.4	0.9	60.9

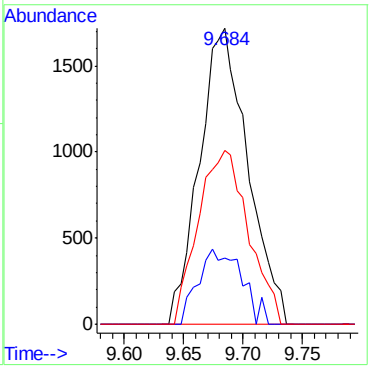


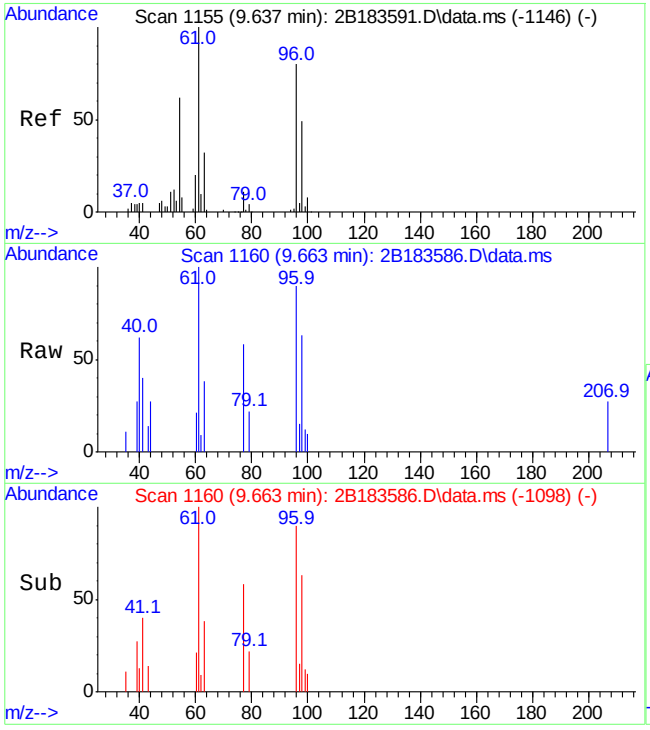


#35
2,2-dichloropropane
Concen: 1.01 ug/L
RT: 9.684 min Scan# 1164
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 77 Resp: 4863

Ion	Ratio	Lower	Upper
77	100		
97	22.4	0.0	50.3
41	58.6	21.9	81.9

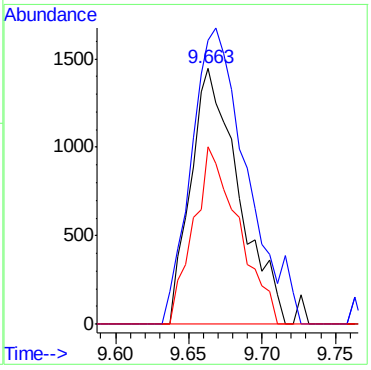


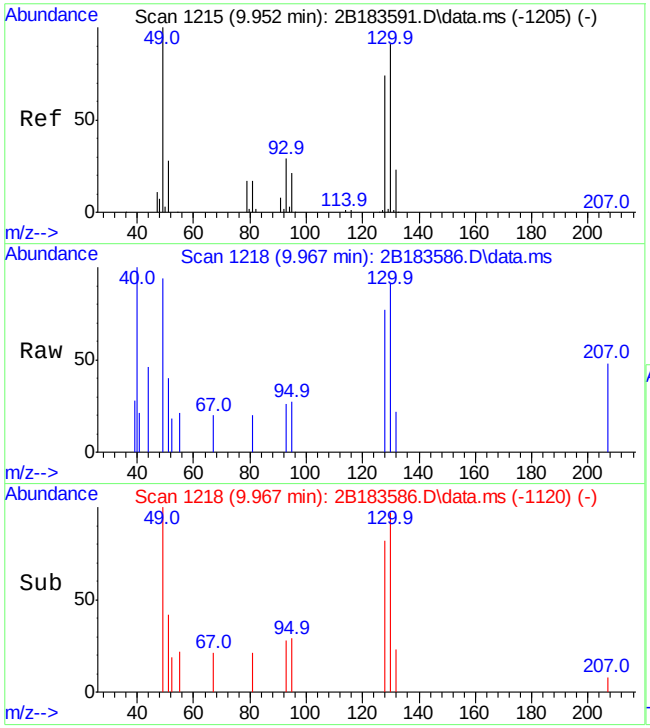


#36
cis-1,2-dichloroethene
Concen: 1.03 ug/L
RT: 9.663 min Scan# 1160
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 96 Resp: 3318

Ion	Ratio	Lower	Upper
96	100		
61	111.0	95.1	155.1
98	69.5	31.7	91.7

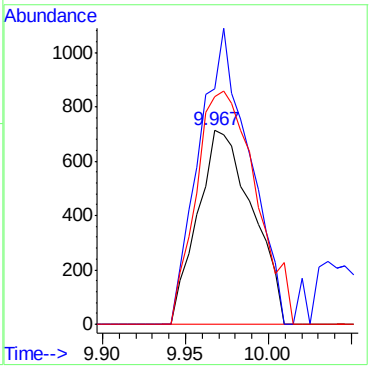


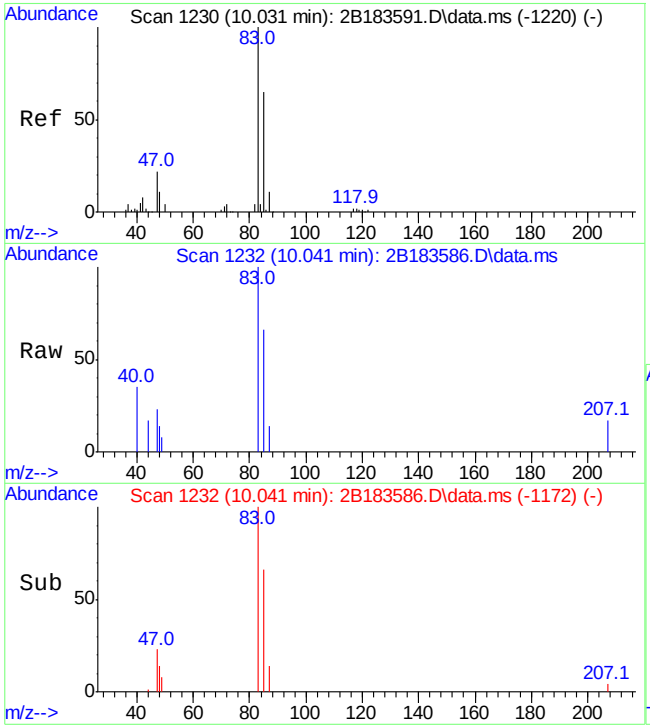


#39
bromochloromethane
Concen: 0.94 ug/L
RT: 9.967 min Scan# 1218
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:128 Resp: 1645

Ion	Ratio	Lower	Upper
128	100		
49	121.3	105.9	165.9
130	117.5	93.4	153.4

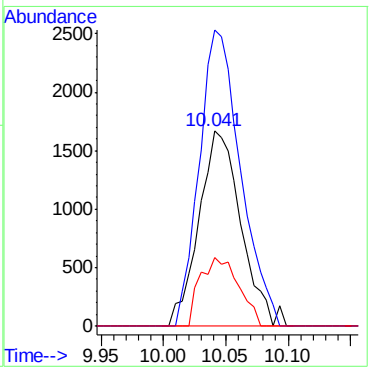


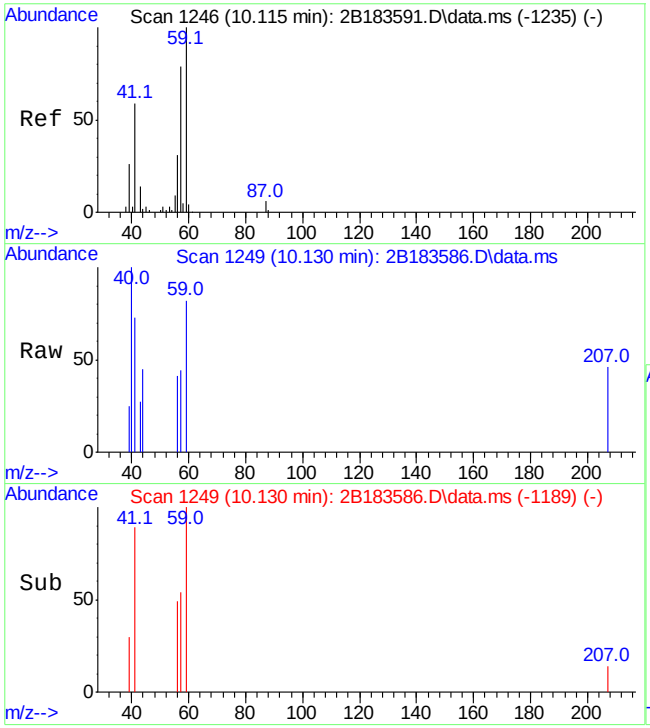


#41
chloroform
Concen: 1.05 ug/L
RT: 10.041 min Scan# 1232
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 85 Resp: 3909

Ion	Ratio	Lower	Upper
85	100		
83	151.9	123.5	183.5
47	35.1	6.5	66.5

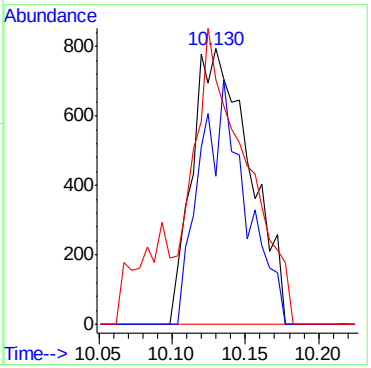


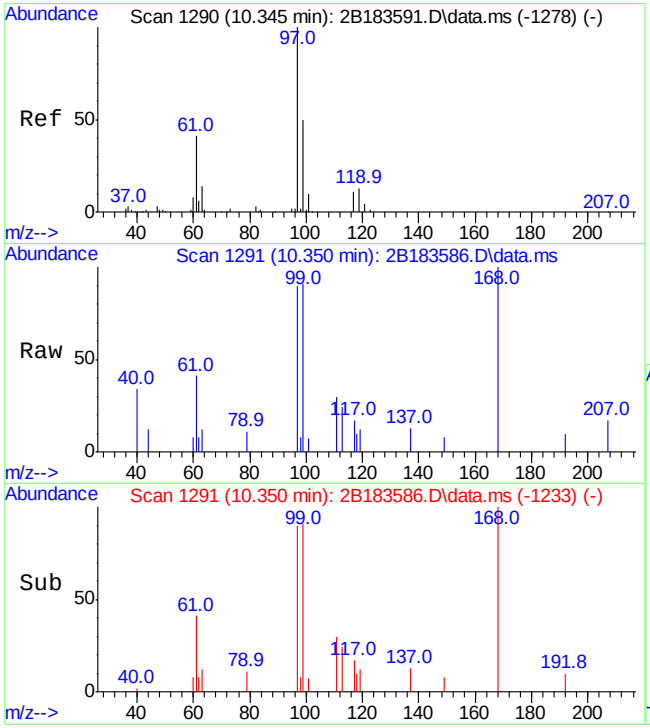


#42
t-butyl formate
Concen: 0.95 ug/L
RT: 10.130 min Scan# 1249
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 59 Resp: 2174

Ion	Ratio	Lower	Upper
59	100		
57	53.7	48.9	108.9
41	88.8	39.0	99.0

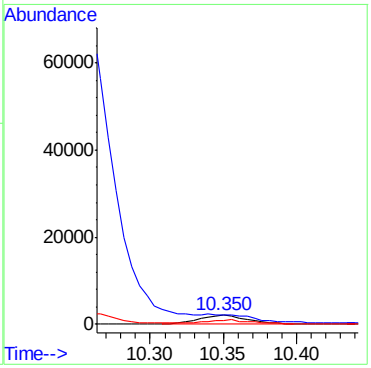


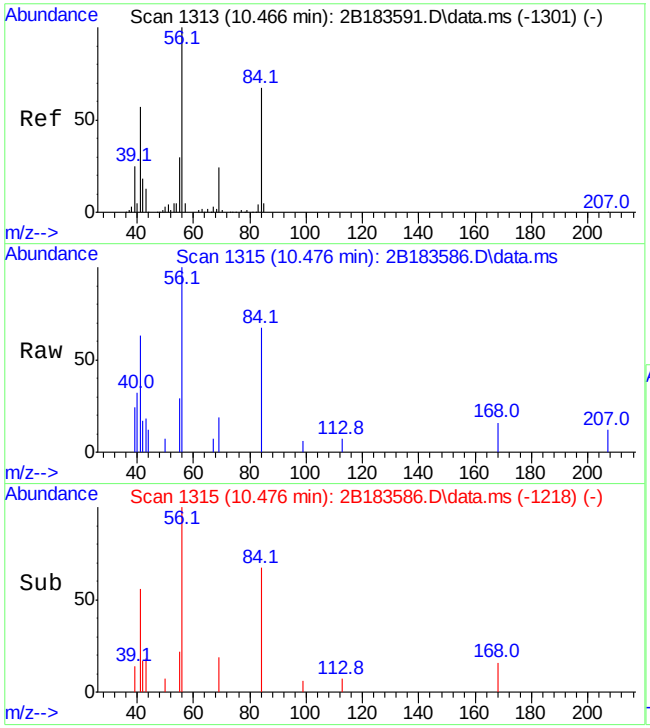


#45
1,1,1-trichloroethane
Concen: 0.95 ug/L
RT: 10.350 min Scan# 1291
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 97 Resp: 4581

Ion	Ratio	Lower	Upper
97	100		
99	69.4	35.8	95.8
61	45.5	12.1	72.1

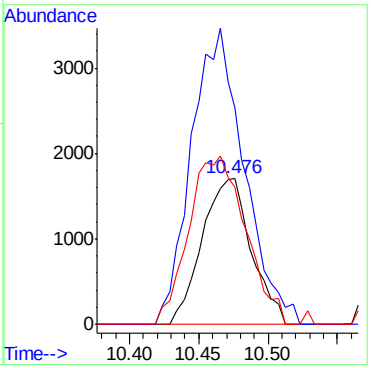


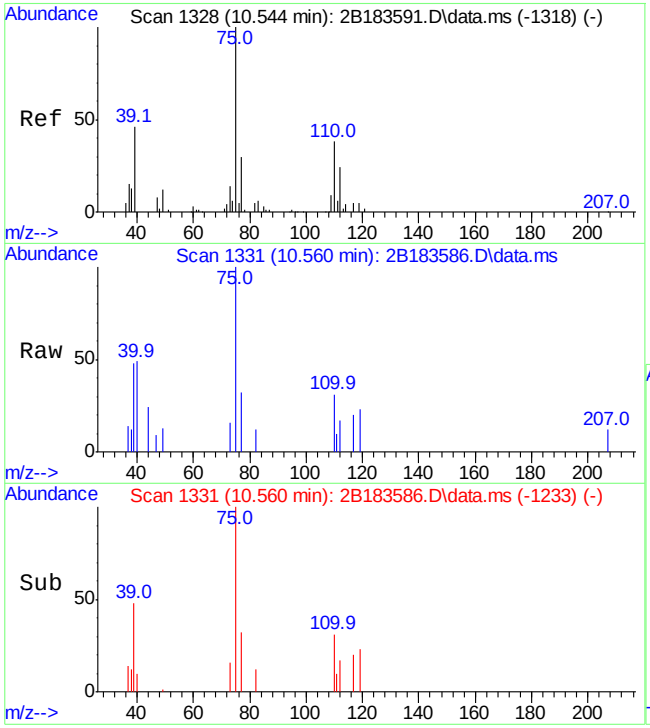


#46
cyclohexane
Concen: 0.95 ug/L
RT: 10.476 min Scan# 1315
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 84 Resp: 4230

Ion	Ratio	Lower	Upper
84	100		
56	135.9	130.0	170.0
41	94.0	65.8	105.8

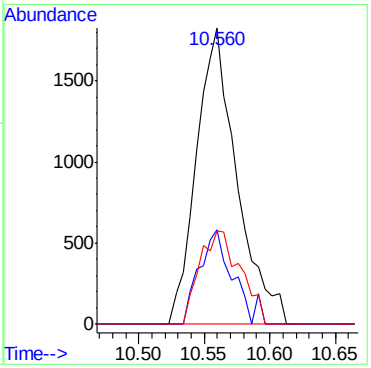


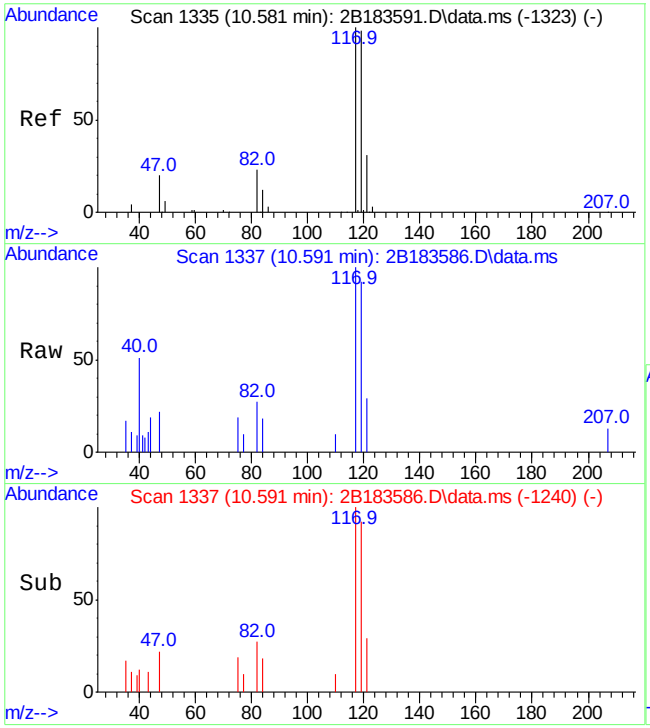


#47
1,1-dichloropropene
Concen: 1.06 ug/L
RT: 10.560 min Scan# 1331
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 75 Resp: 3919

Ion	Ratio	Lower	Upper
75	100		
77	32.0	10.5	50.5
110	31.4	17.9	57.9

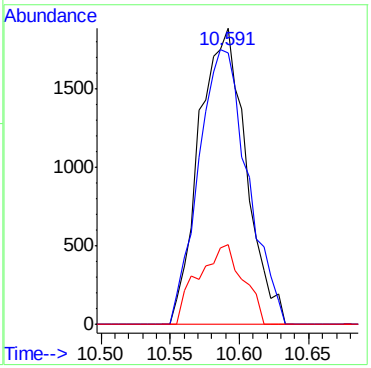


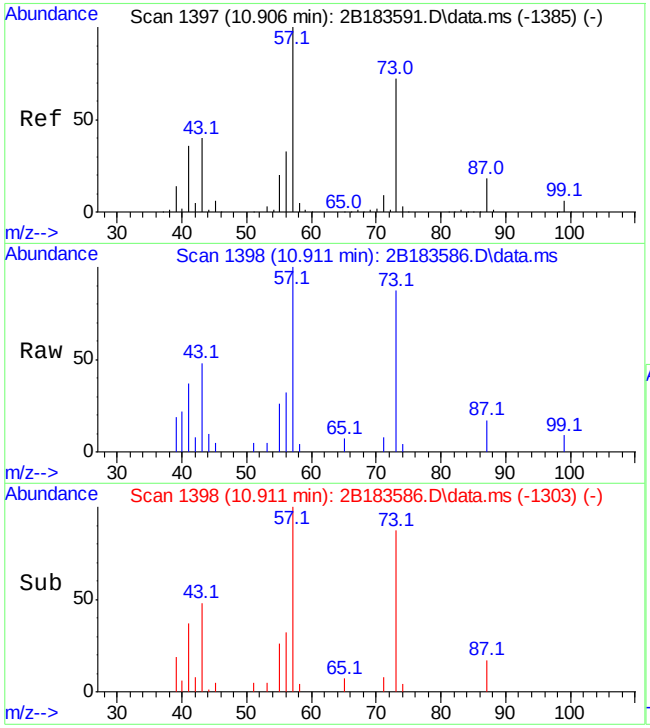


#49
carbon tetrachloride
Concen: 0.99 ug/L
RT: 10.591 min Scan# 1337
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:117 Resp: 4474

Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.7	117.7
82	26.9	3.1	43.1

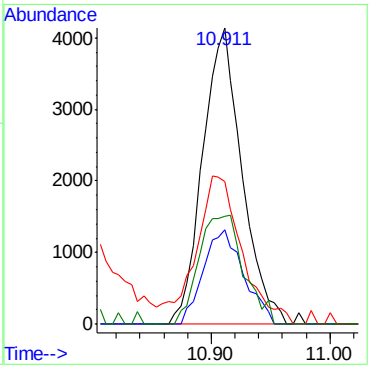


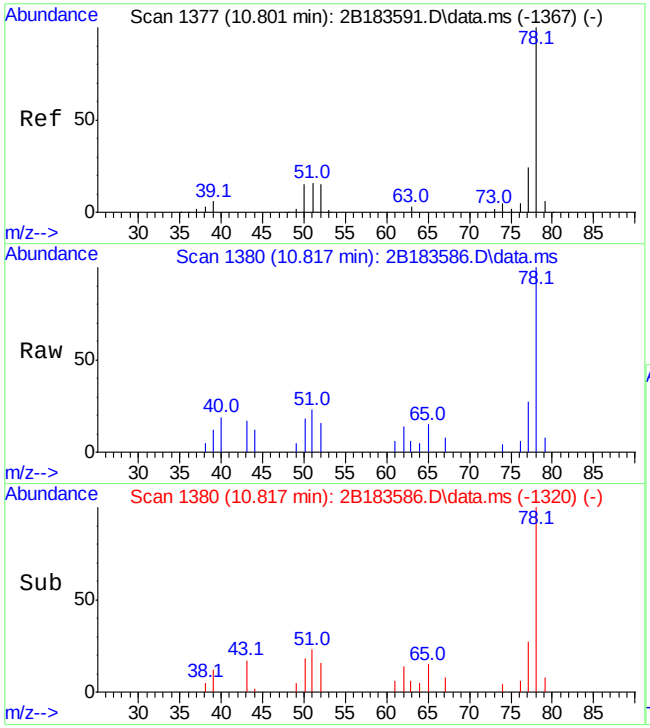


#54
2,2,4-trimethylpentane
Concen: 0.99 ug/L
RT: 10.911 min Scan# 1398
Delta R.T. -0.000 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 57 Resp: 9516

Ion	Ratio	Lower	Upper
57	100		
56	31.7	3.5	63.5
43	48.0	10.7	70.7
41	36.5	5.5	65.5

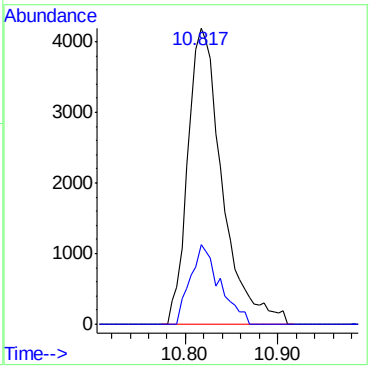


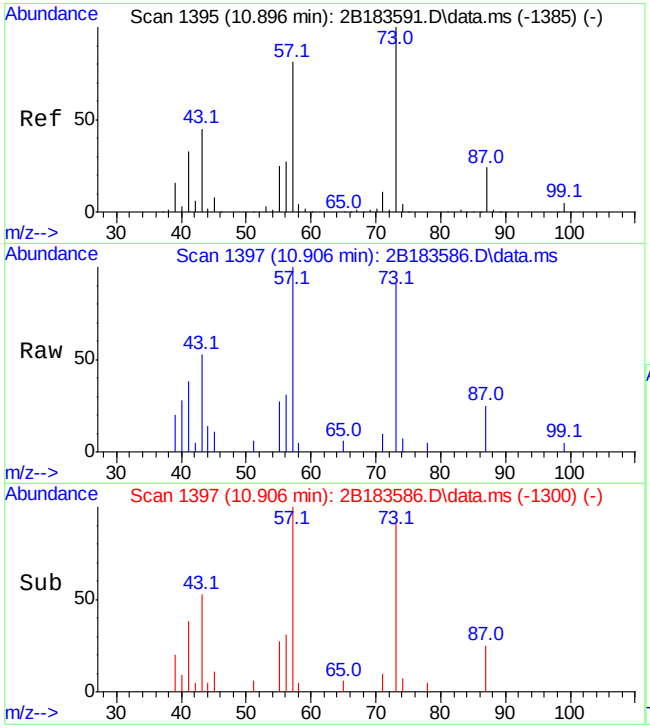


#55
benzene
Concen: 1.03 ug/L
RT: 10.817 min Scan# 1380
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 78 Resp: 10904

Ion	Ratio	Lower	Upper
78	100		
77	26.9	0.0	53.9

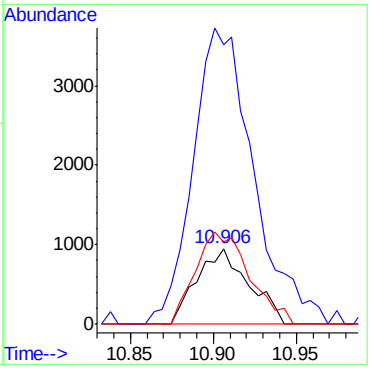


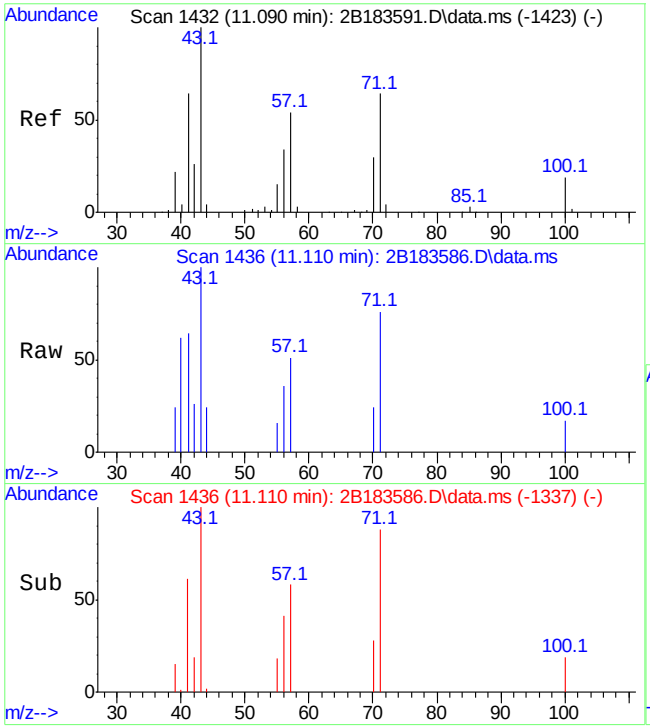


#56
tert-amyl methyl ether
Concen: 0.93 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 87 Resp: 2067

Ion	Ratio	Lower	Upper
87	100		
73	350.1	377.9	437.9#
55	109.1	73.1	133.1

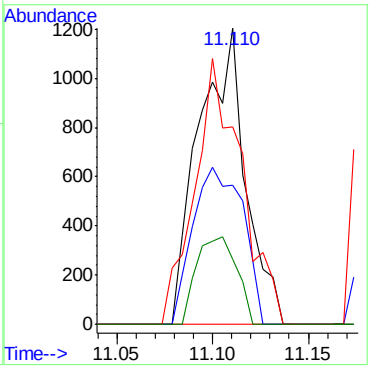


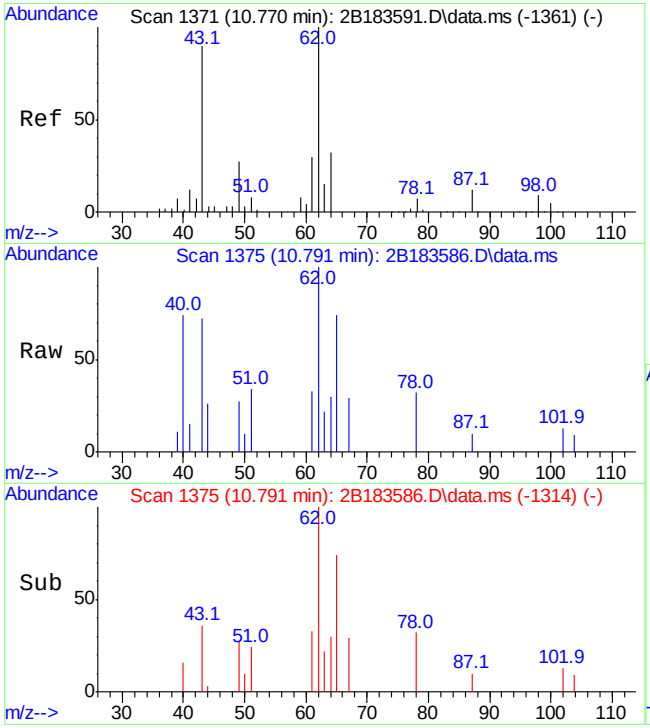


#57
heptane
Concen: 0.89 ug/L
RT: 11.110 min Scan# 1436
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 71 Resp: 2033

Ion	Ratio	Lower	Upper
71	100		
56	46.9	23.2	83.2
57	66.7	54.9	114.9
100	22.2	0.0	59.2

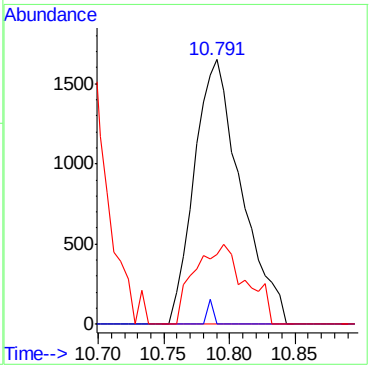


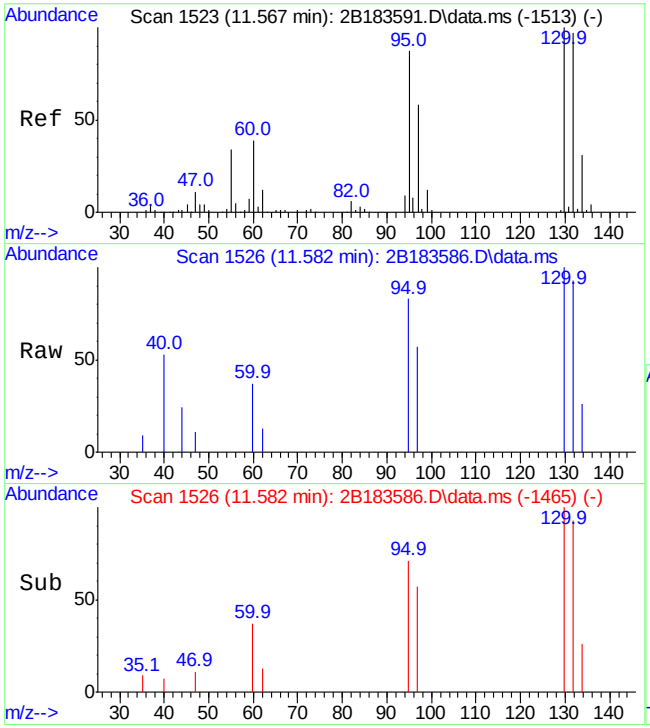


#59
1,2-dichloroethane
Concen: 1.01 ug/L
RT: 10.791 min Scan# 1375
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 62 Resp: 4086

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	39.0
49	26.5	0.0	56.5

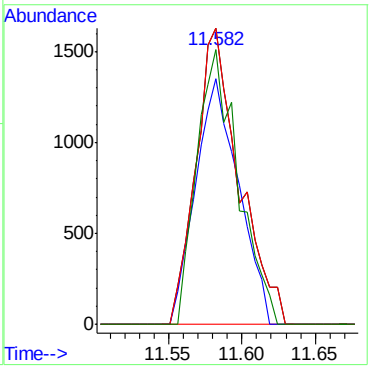


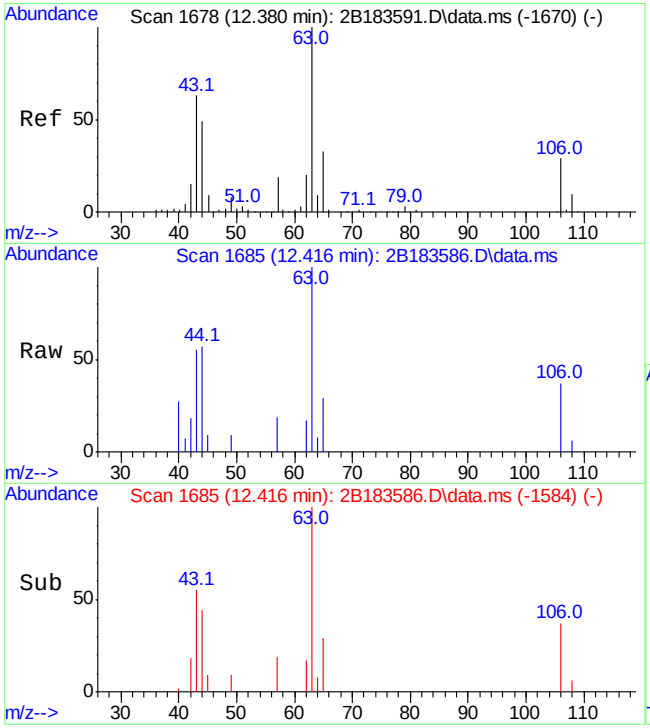


#60
trichloroethene
Concen: 1.01 ug/L
RT: 11.582 min Scan# 1526
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:130 Resp: 3335

Ion	Ratio	Lower	Upper
130	100		
95	82.9	56.8	116.8
130	100.0	70.0	130.0
132	92.9	67.2	127.2

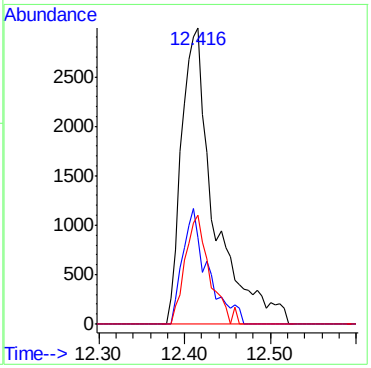


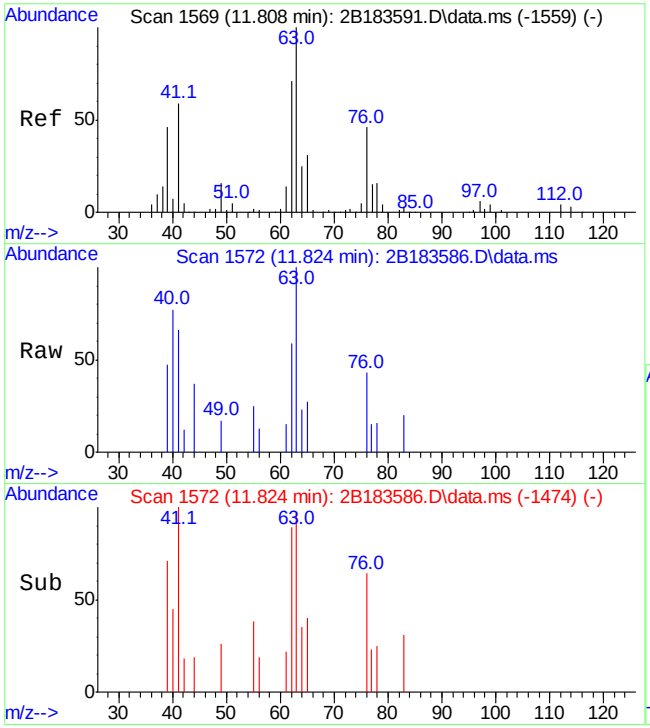


#63
2-chloroethyl vinyl ether
Concen: 4.92 ug/L
RT: 12.416 min Scan# 1685
Delta R.T. 0.031 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 63 Resp: 7898

Ion	Ratio	Lower	Upper
63	100		
65	29.1	2.7	62.7
106	36.8	0.0	59.0

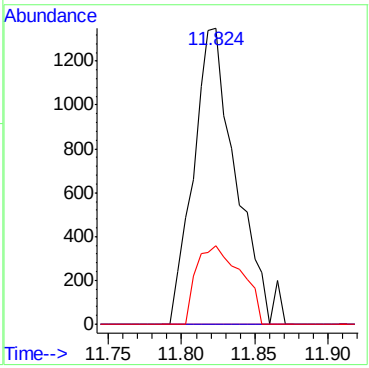


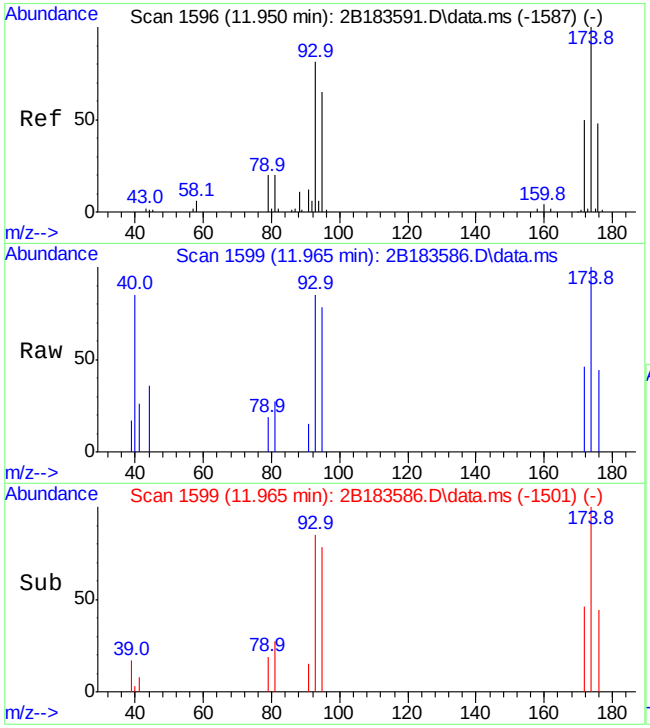


#65
1,2-dichloropropane
Concen: 1.01 ug/L
RT: 11.824 min Scan# 1572
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 63 Resp: 2734

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.9
65	26.6	1.3	61.3

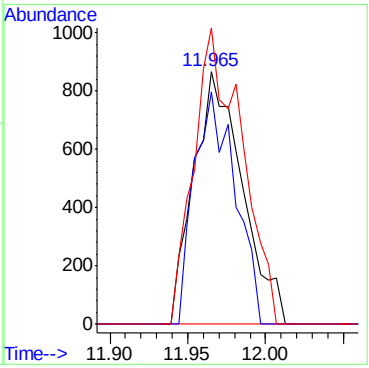


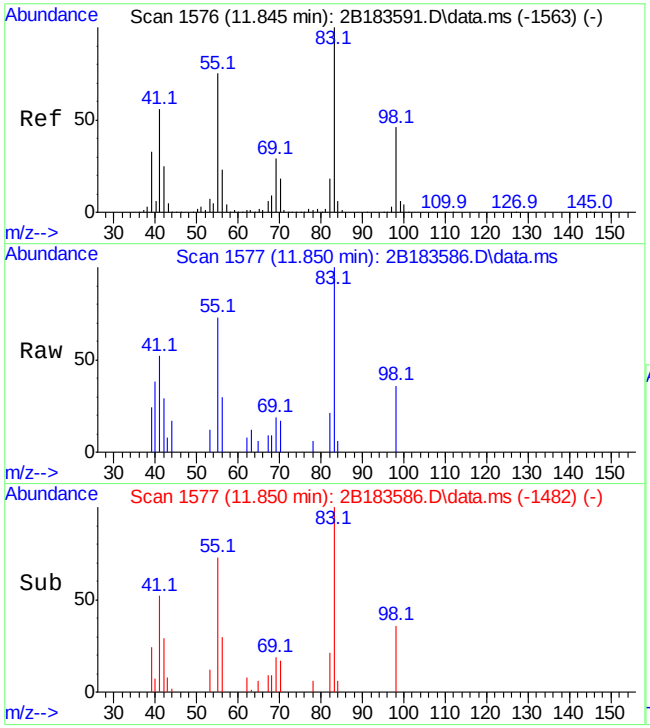


#66
dibromomethane
Concen: 1.02 ug/L
RT: 11.965 min Scan# 1599
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 93 Resp: 1886

Ion	Ratio	Lower	Upper
93	100		
95	91.9	50.5	110.5
174	117.2	94.1	154.1

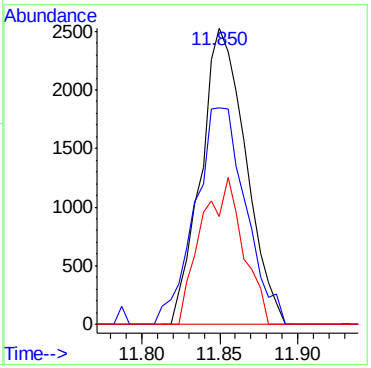


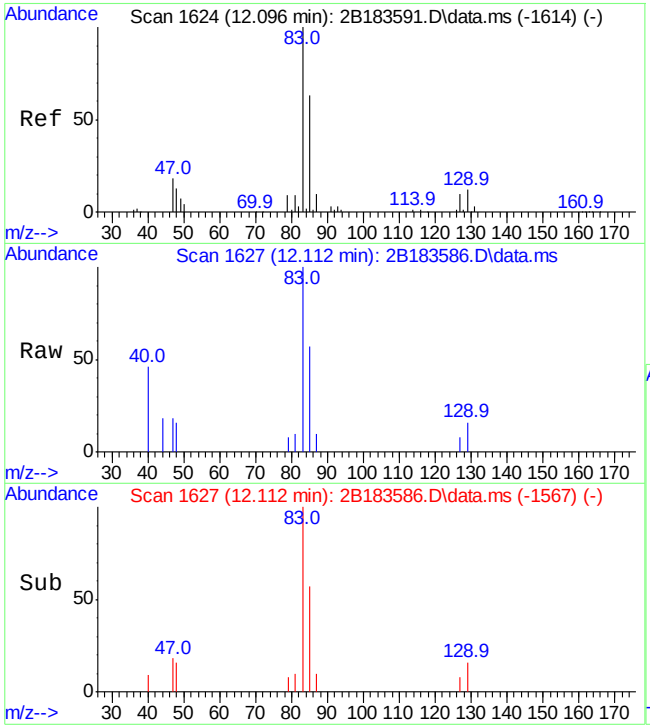


#67
methylcyclohexane
Concen: 0.97 ug/L
RT: 11.850 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 83 Resp: 5051

Ion	Ratio	Lower	Upper
83	100		
55	73.1	45.5	105.5
98	36.4	15.7	75.7

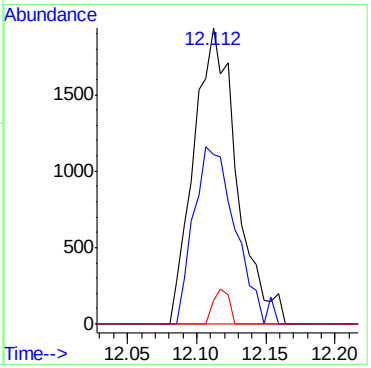


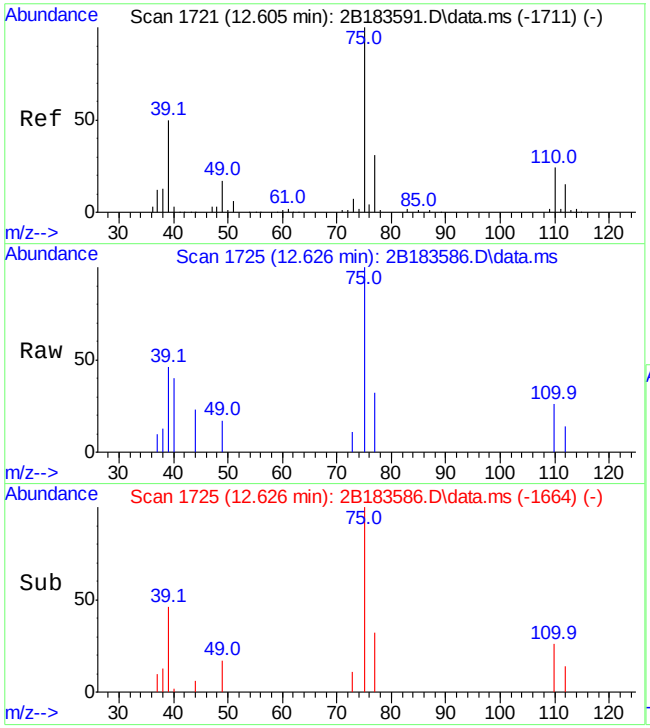


#68
bromodichloromethane
Concen: 1.03 ug/L
RT: 12.112 min Scan# 1627
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 83 Resp: 4181

Ion	Ratio	Lower	Upper
83	100		
85	57.3	33.2	93.2
127	8.0	0.0	39.5

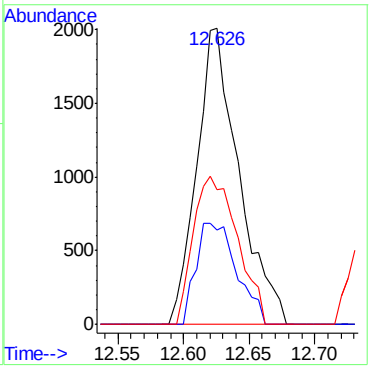


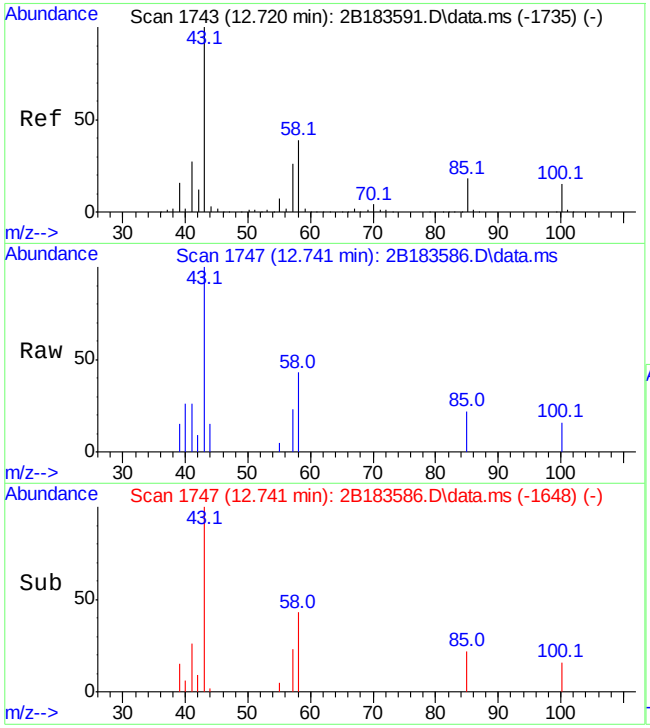


#70
cis-1,3-dichloropropene
Concen: 0.97 ug/L
RT: 12.626 min Scan# 1725
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 75 Resp: 4495

Ion	Ratio	Lower	Upper
75	100		
77	31.9	1.4	61.4
39	45.6	19.8	79.8

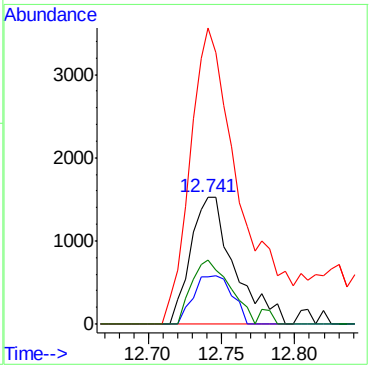


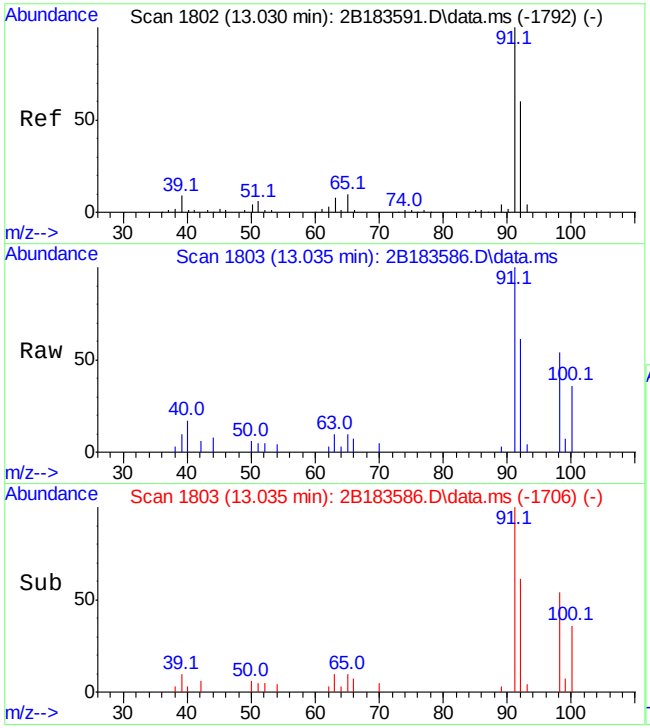


#71
4-methyl-2-pentanone
Concen: 3.58 ug/L
RT: 12.741 min Scan# 1747
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 58 Resp: 3162

Ion	Ratio	Lower	Upper
58	100		
100	37.2	8.6	68.6
43	233.4	223.3	283.3
85	50.4	16.6	76.6

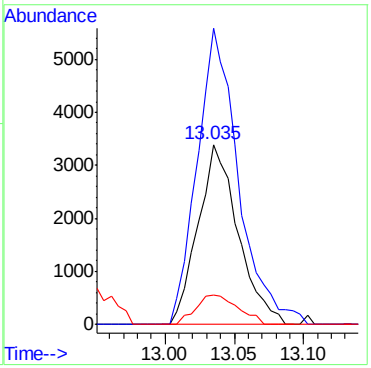


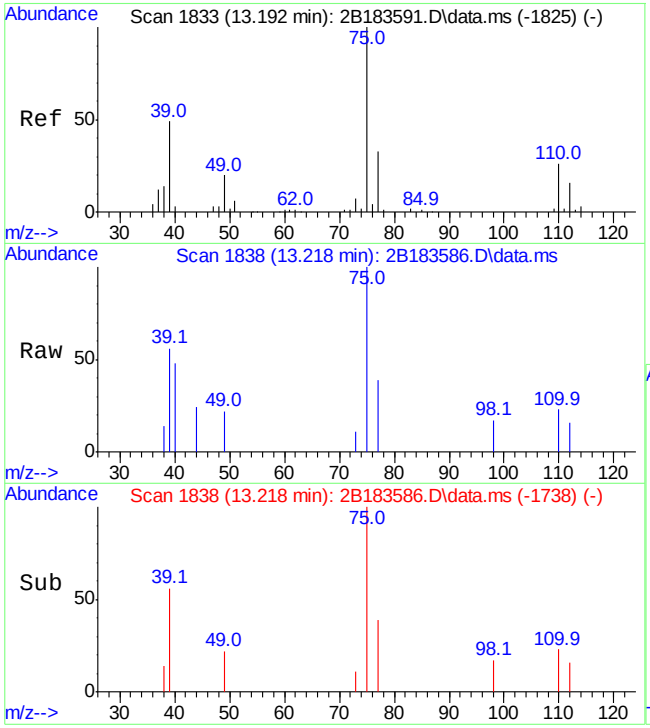


#75
toluene
Concen: 1.02 ug/L
RT: 13.035 min Scan# 1803
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 92 Resp: 6822

Ion	Ratio	Lower	Upper
92	100		
91	164.6	145.5	185.5
65	16.4	0.0	37.3

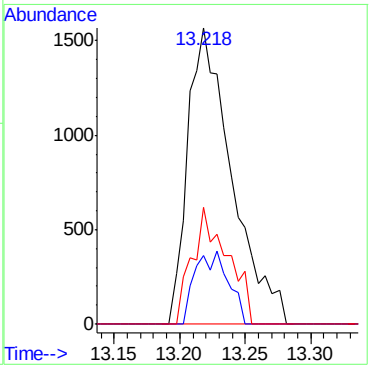


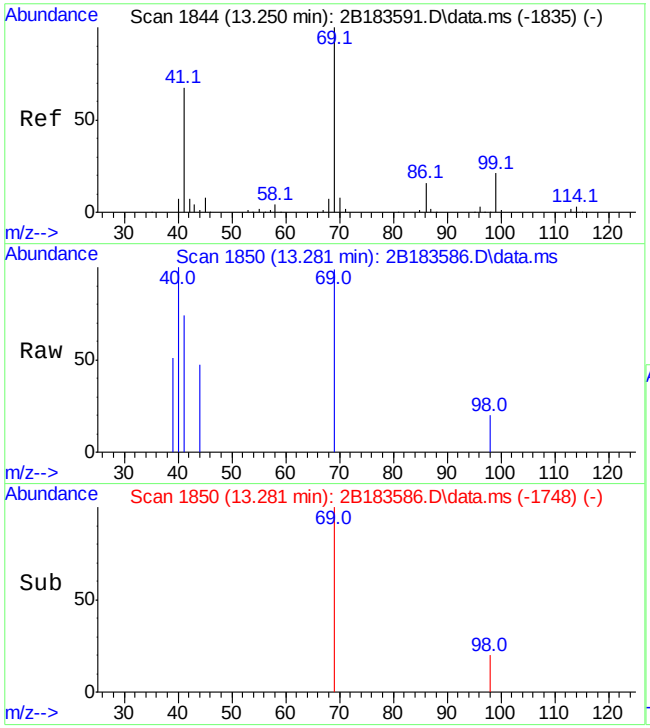


#76
trans-1,3-dichloropropene
Concen: 0.96 ug/L
RT: 13.218 min Scan# 1838
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 75 Resp: 3674

Ion	Ratio	Lower	Upper
75	100		
110	23.0	5.6	45.6
77	39.4	12.9	52.9

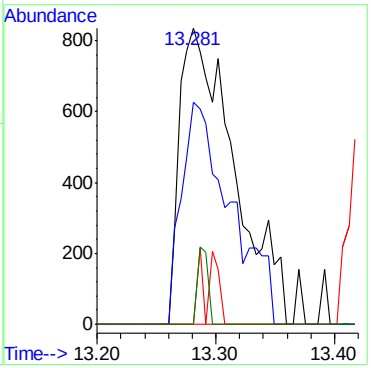


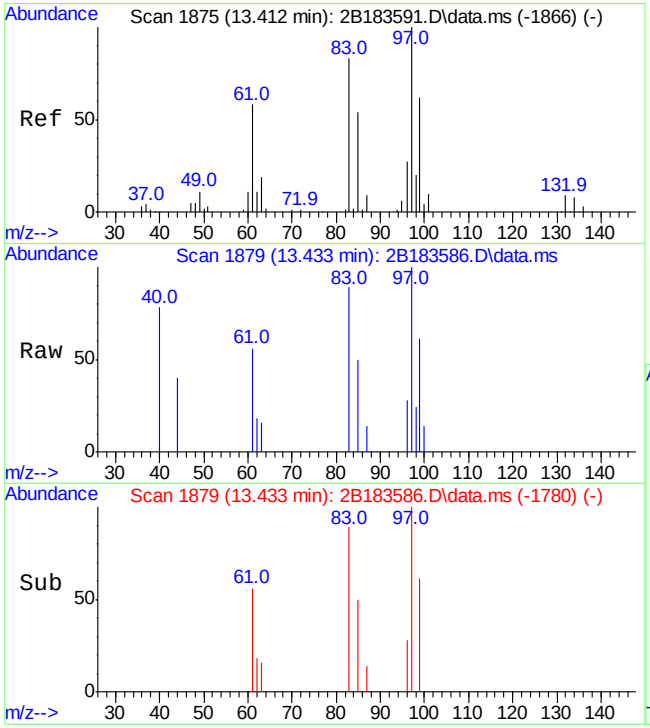


#77
ethyl methacrylate
Concen: 0.77 ug/L
RT: 13.281 min Scan# 1850
Delta R.T. 0.037 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 69 Resp: 2663

Ion	Ratio	Lower	Upper
69	100		
41	75.0	47.3	87.3
99	0.0	0.7	40.7#
86	0.0	0.0	36.3

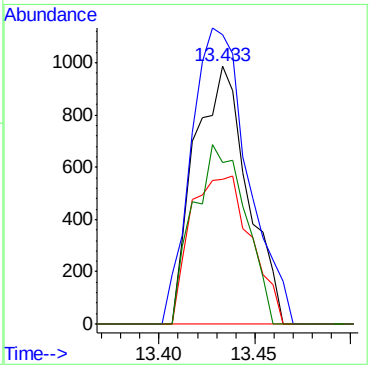


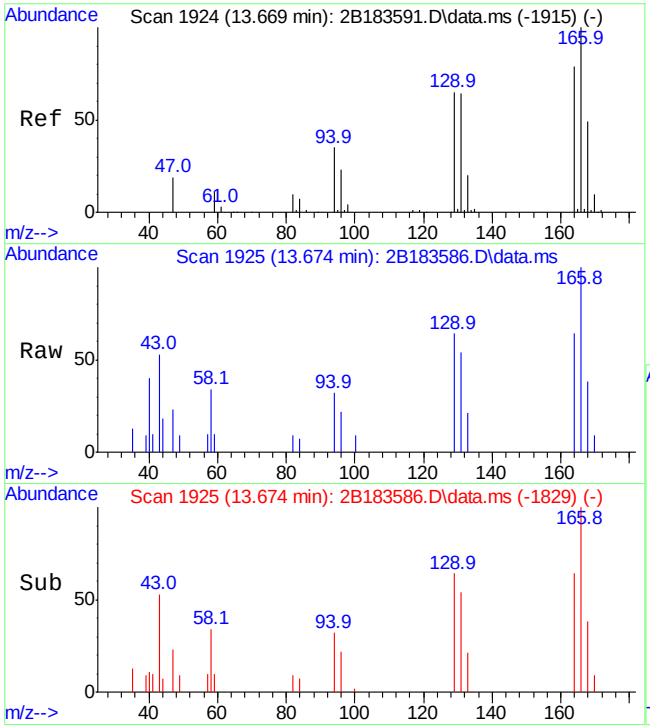


#78
1,1,2-trichloroethane
Concen: 0.91 ug/L
RT: 13.433 min Scan# 1879
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 83 Resp: 1891

Ion	Ratio	Lower	Upper
83	100		
97	111.8	100.4	140.4
85	56.2	44.7	84.7
61	62.7	49.5	89.5

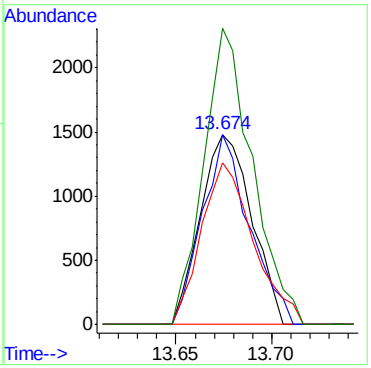


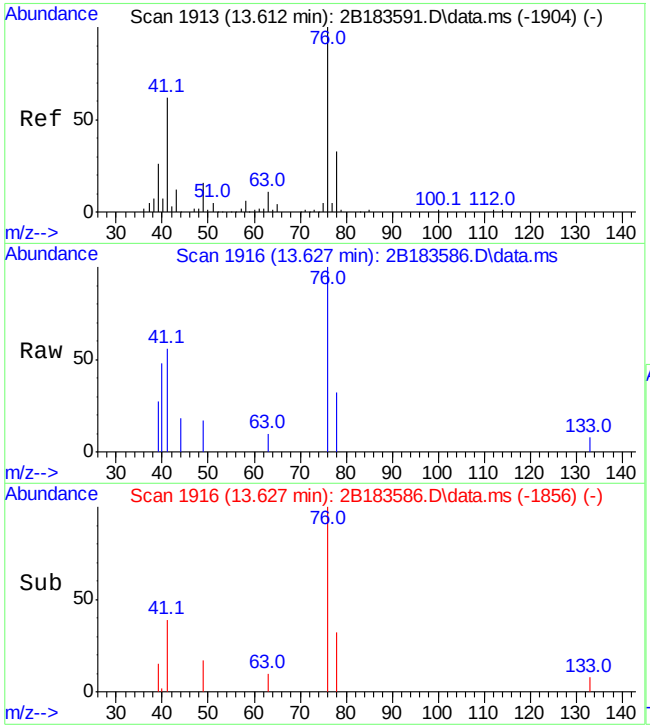


#79
tetrachloroethene
Concen: 0.98 ug/L
RT: 13.674 min Scan# 1925
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:164 Resp: 2734

Ion	Ratio	Lower	Upper
164	100		
129	99.9	52.8	112.8
131	84.8	51.2	111.2
166	155.7	97.3	157.3

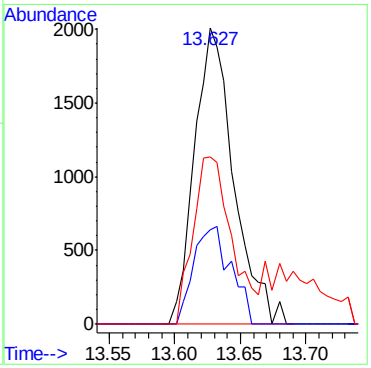


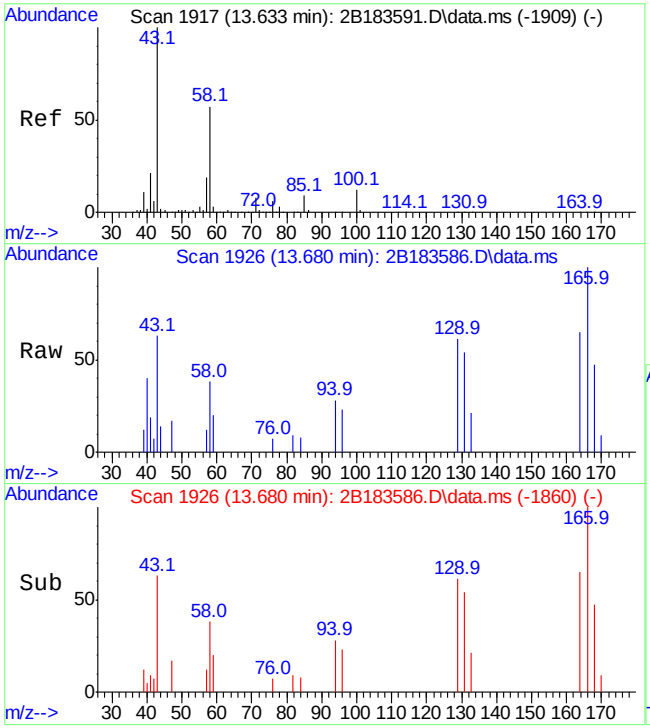


#80
1,3-dichloropropane
Concen: 1.04 ug/L
RT: 13.627 min Scan# 1916
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 76 Resp: 4192

Ion	Ratio	Lower	Upper
76	100		
78	32.0	2.9	62.9
41	56.4	31.5	91.5

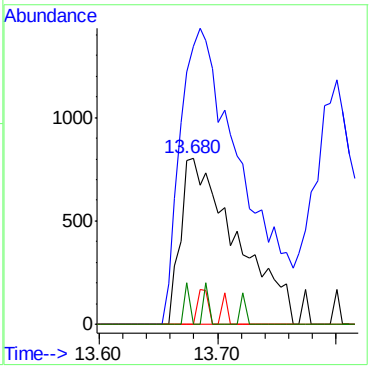


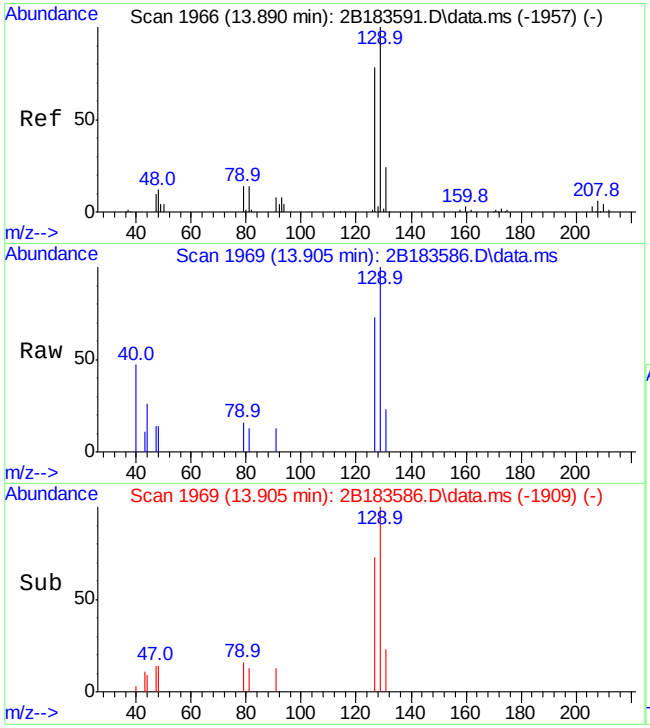


#81
2-hexanone
Concen: 3.50 ug/L
RT: 13.680 min Scan# 1926
Delta R.T. 0.047 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 58 Resp: 2623

Ion	Ratio	Lower	Upper
58	100		
43	167.7	156.8	196.8
85	0.0	0.0	35.7
100	0.0	0.5	40.5#

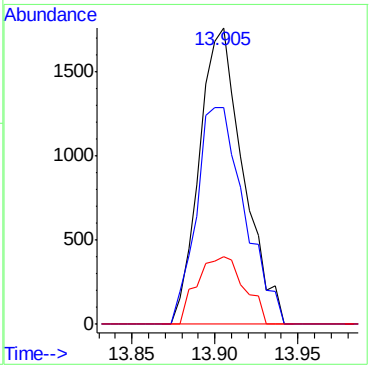


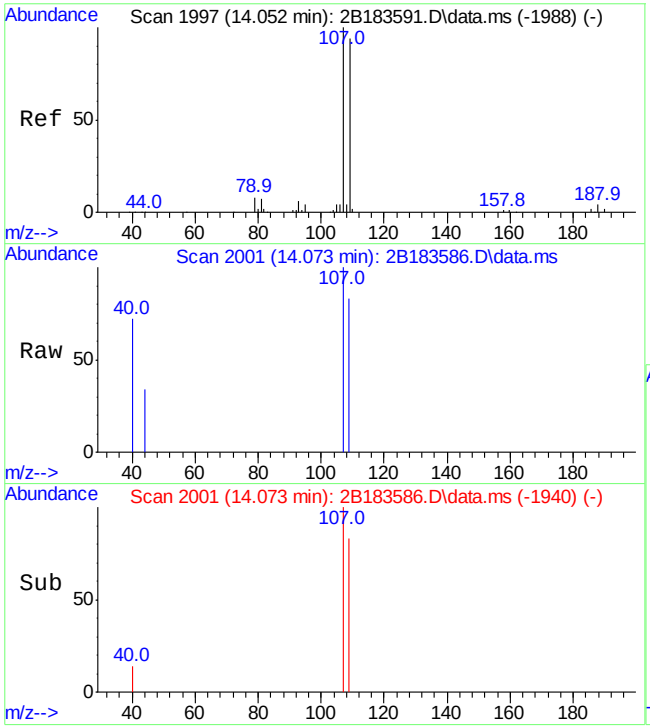


#83
dibromochloromethane
Concen: 0.96 ug/L
RT: 13.905 min Scan# 1969
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:129 Resp: 3238

Ion	Ratio	Lower	Upper
129	100		
127	72.9	47.6	107.6
131	22.9	0.0	54.0

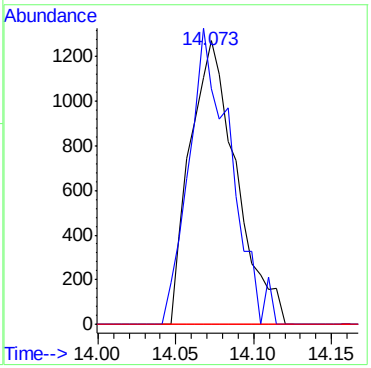


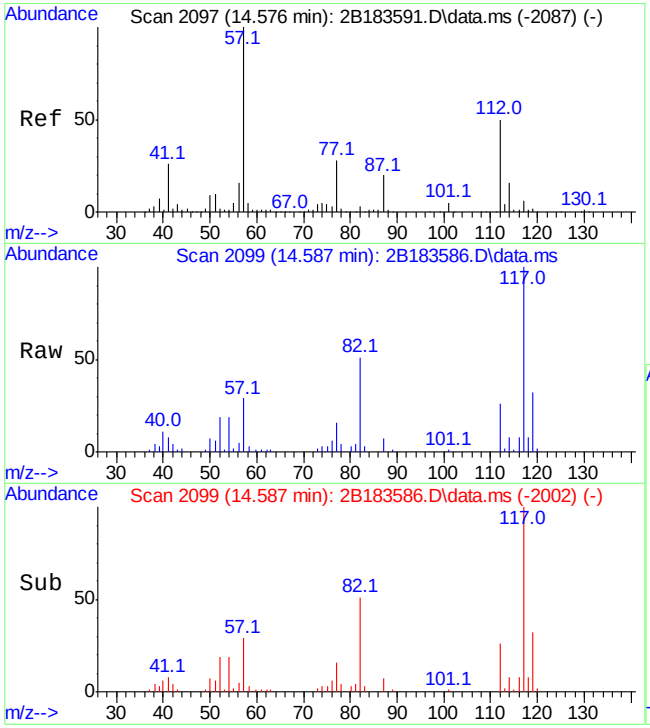


#84
1,2-dibromoethane
Concen: 1.02 ug/L
RT: 14.073 min Scan# 2001
Delta R.T. 0.021 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:107 Resp: 2634

Ion	Ratio	Lower	Upper
107	100		
109	83.3	64.2	124.2
188	0.0	0.0	33.9

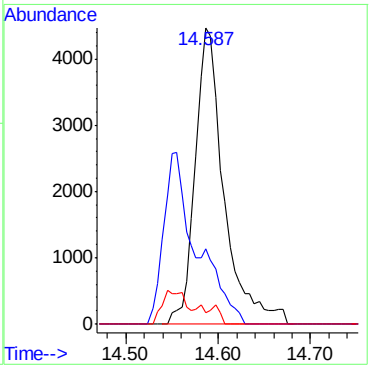


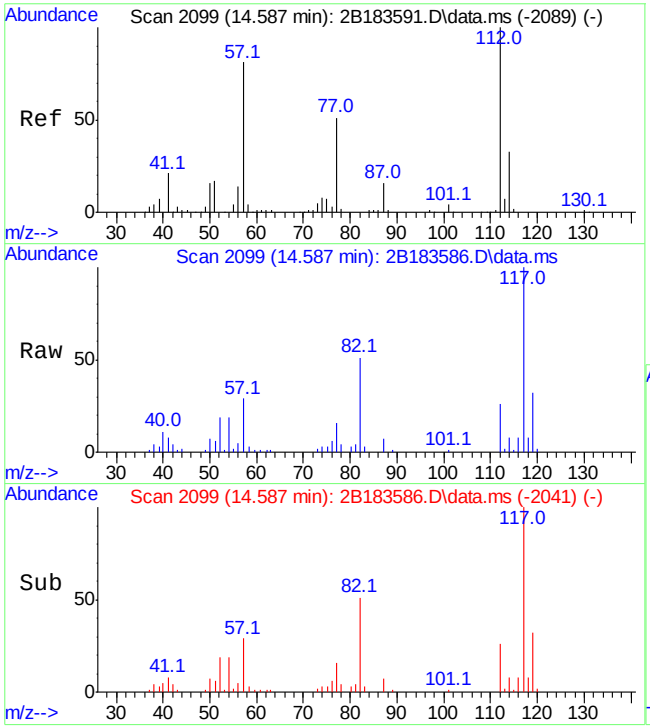


#85
n-butyl ether
Concen: 0.96 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 57 Resp: 9668

Ion	Ratio	Lower	Upper
57	100		
87	25.4	0.0	49.5
101	3.7	0.0	34.7

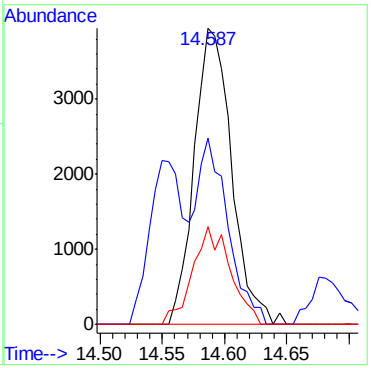


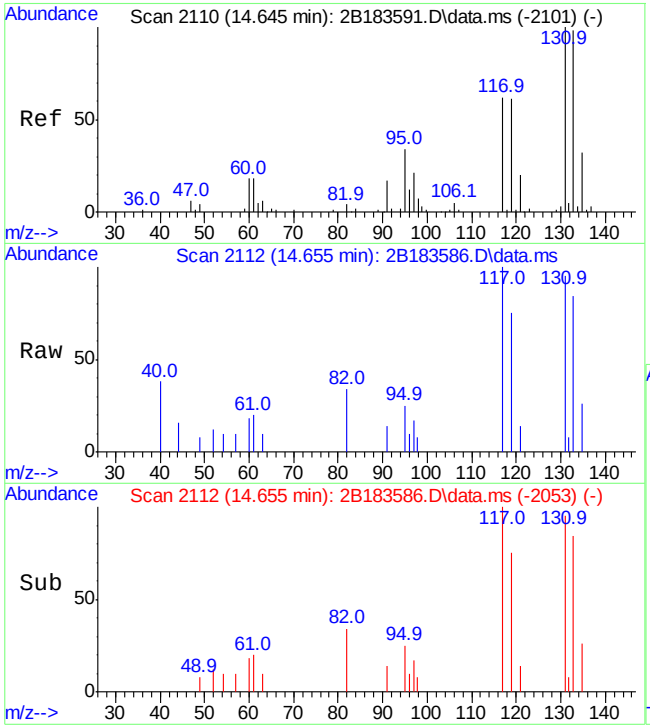


#86
chlorobenzene
Concen: 1.04 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:112 Resp: 8244

Ion	Ratio	Lower	Upper
112	100		
77	63.0	21.4	81.4
114	33.2	2.8	62.8

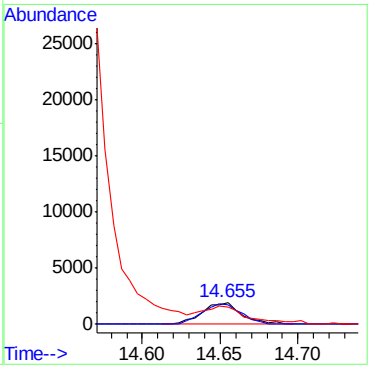


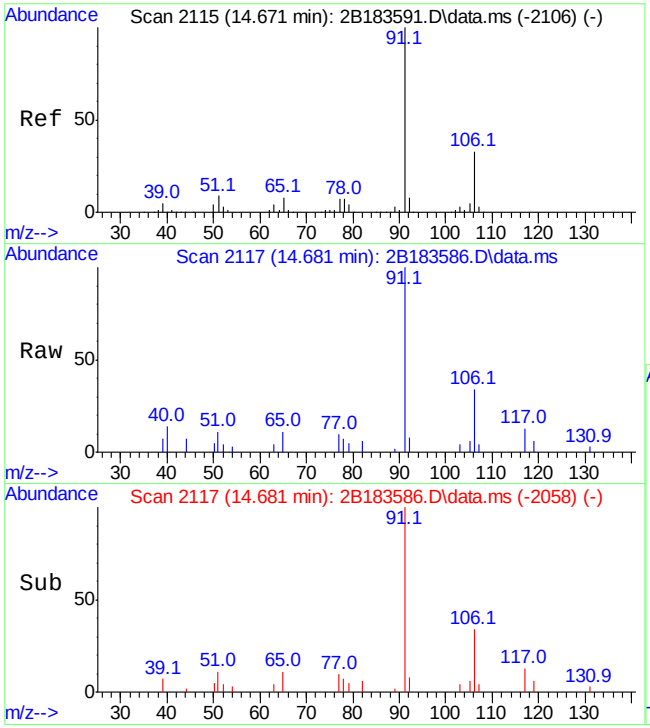


#87
1,1,1,2-tetrachloroethane
Concen: 1.04 ug/L
RT: 14.655 min Scan# 2112
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:131 Resp: 3290

Ion	Ratio	Lower	Upper
131	100		
133	89.3	67.8	127.8
119	66.9	32.9	92.9

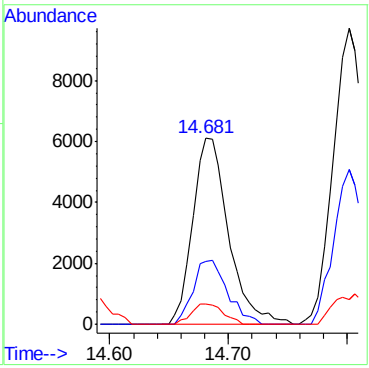


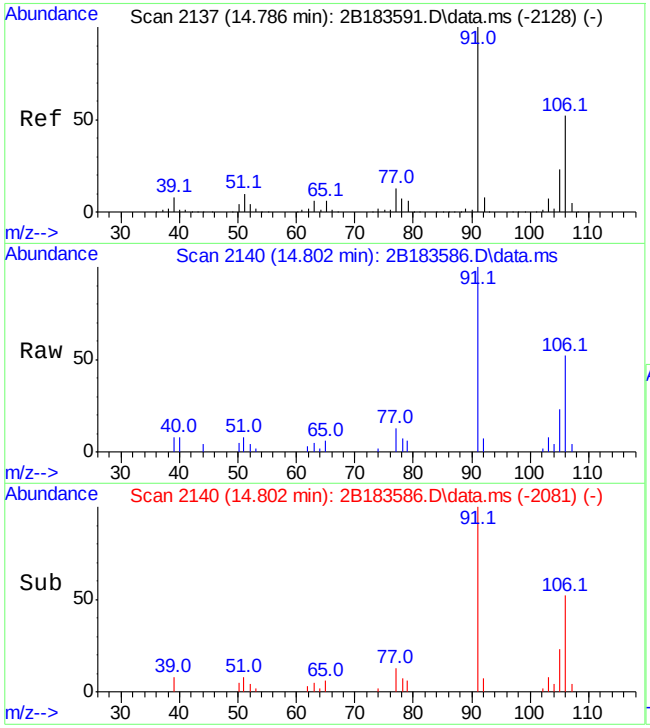


#88
ethylbenzene
Concen: 1.00 ug/L
RT: 14.681 min Scan# 2117
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 91 Resp: 12862

Ion	Ratio	Lower	Upper
91	100		
106	33.9	3.0	63.0
51	10.7	0.0	39.2

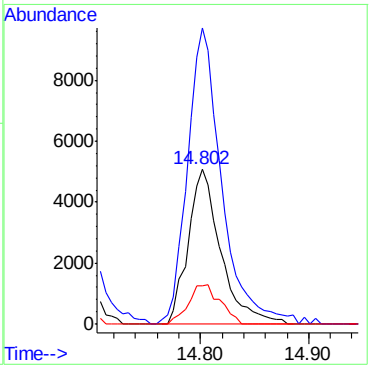


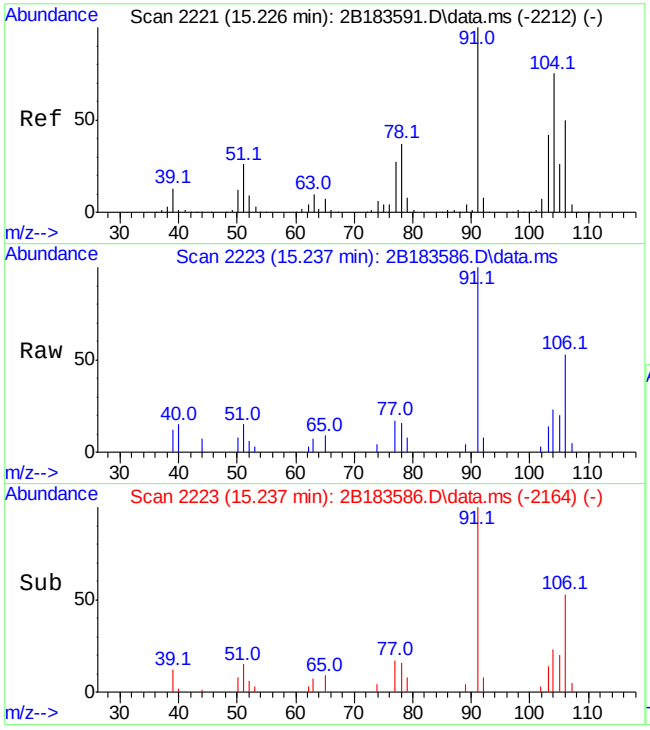


#89
m,p-xylene
Concen: 2.06 ug/L
RT: 14.802 min Scan# 2140
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:106 Resp: 10673

Ion	Ratio	Lower	Upper
106	100		
91	187.8	162.7	222.7
77	25.0	5.0	45.0

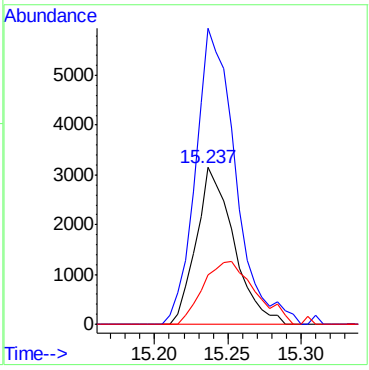


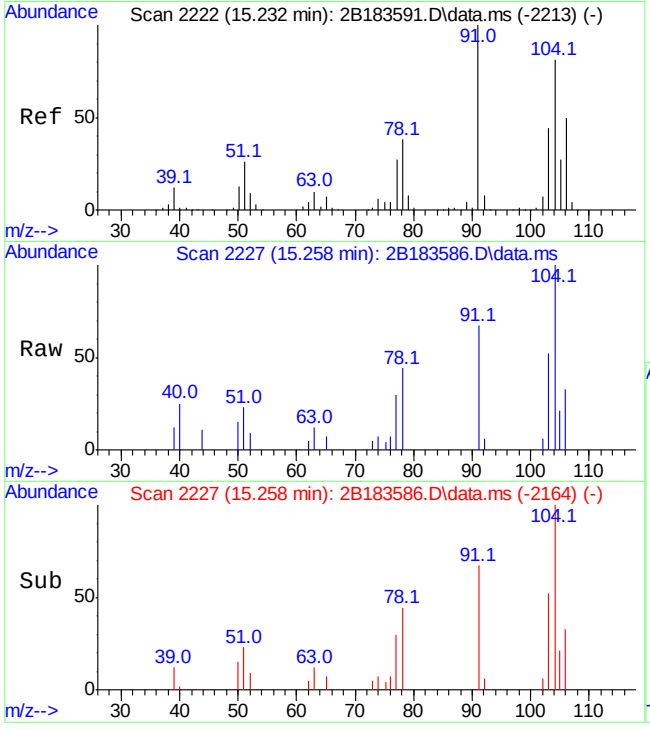


#90
o-xylene
Concen: 1.02 ug/L
RT: 15.237 min Scan# 2223
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:106 Resp: 5649

Ion	Ratio	Lower	Upper
106	100		
91	188.5	169.5	229.5
77	31.6	33.1	73.1#

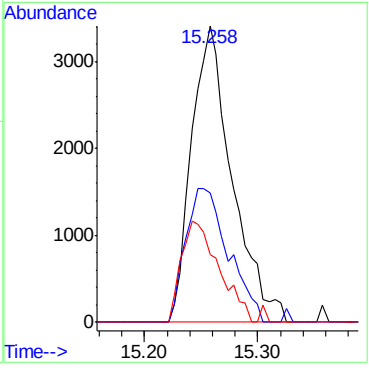


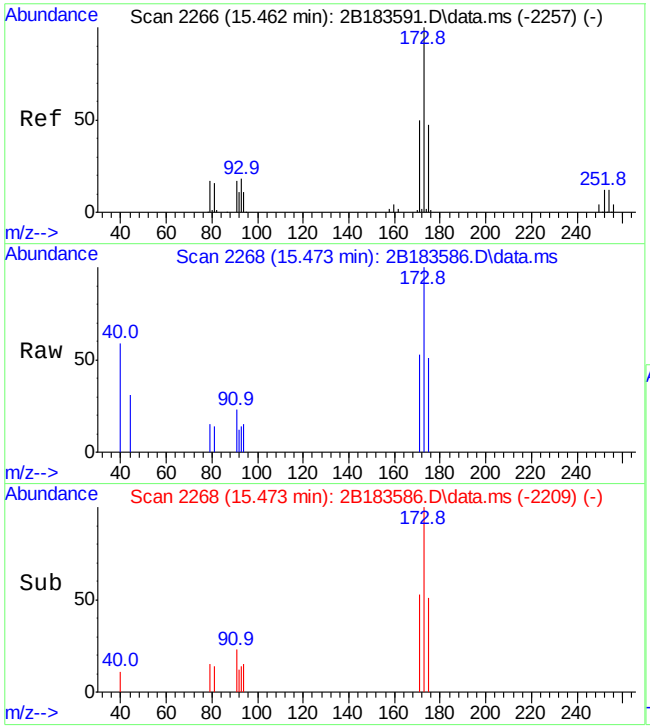


#91
styrene
Concen: 0.96 ug/L
RT: 15.258 min Scan# 2227
Delta R.T. 0.031 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:104 Resp: 8462

Ion	Ratio	Lower	Upper
104	100		
78	43.5	16.8	76.8
51	23.0	2.1	62.1

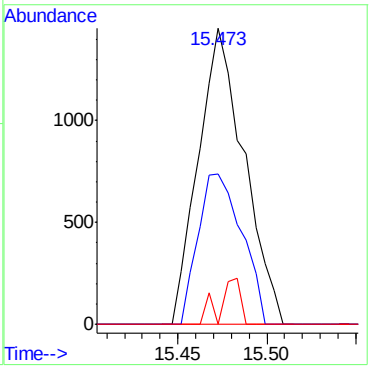


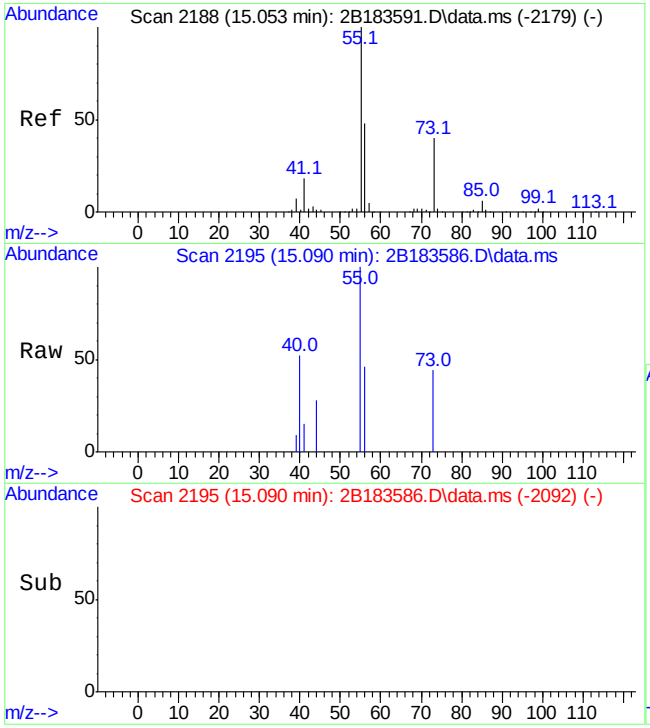


#93
bromoform
Concen: 1.01 ug/L
RT: 15.473 min Scan# 2268
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:173 Resp: 2594

Ion	Ratio	Lower	Upper
173	100		
175	50.8	17.3	77.3
254	0.0	0.0	42.0

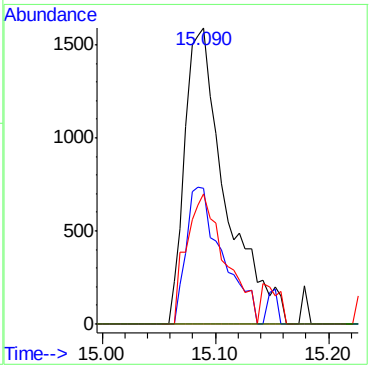


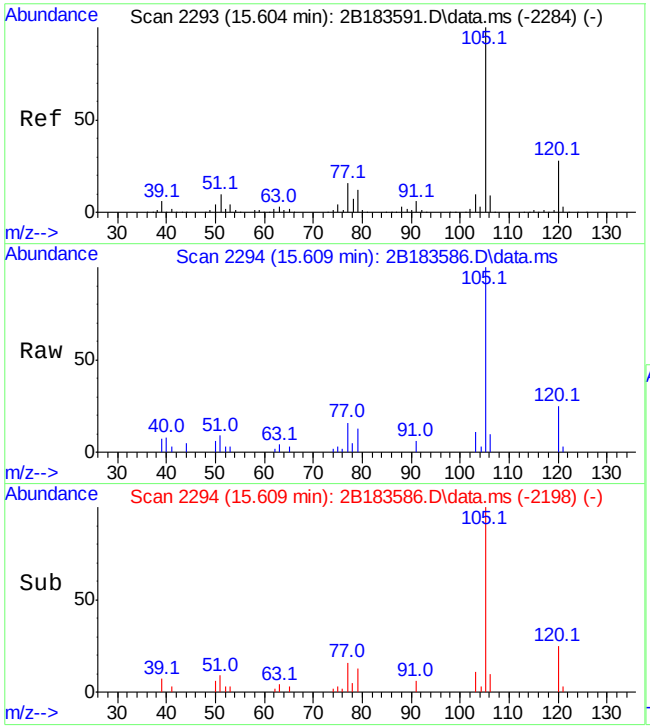


#94
butyl acrylate
Concen: 0.88 ug/L
RT: 15.090 min Scan# 2195
Delta R.T. 0.042 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 55 Resp: 3993

Ion	Ratio	Lower	Upper
55	100		
56	46.0	18.2	78.2
73	44.0	10.0	70.0
85	0.0	0.0	35.9

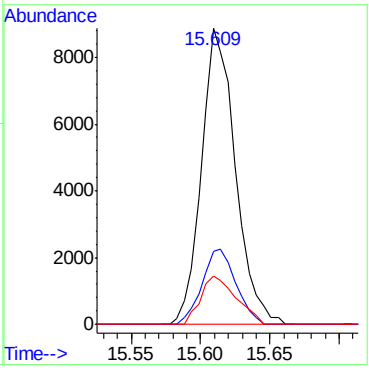


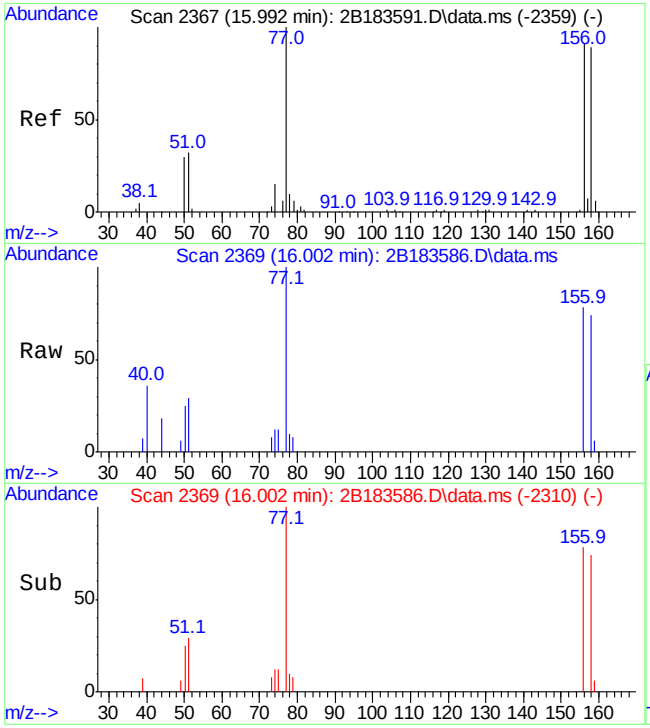


#95
isopropylbenzene
Concen: 1.01 ug/L
RT: 15.609 min Scan# 2294
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:105 Resp: 15148

Ion	Ratio	Lower	Upper
105	100		
120	24.8	7.6	47.6
77	16.1	0.0	35.7

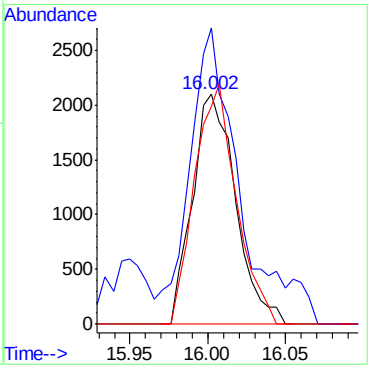


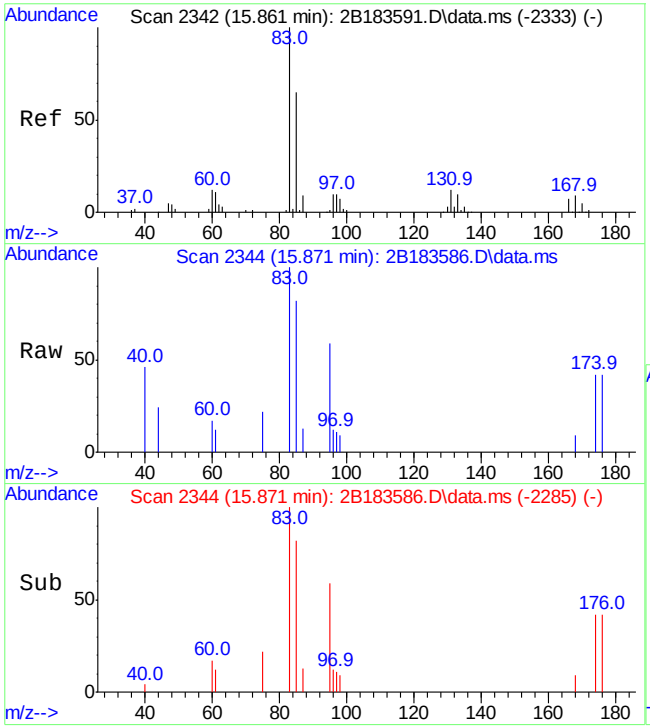


#99
bromobenzene
Concen: 0.99 ug/L
RT: 16.002 min Scan# 2369
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:156 Resp: 4045

Ion	Ratio	Lower	Upper
156	100		
77	113.7	94.4	154.4
158	94.6	68.2	128.2

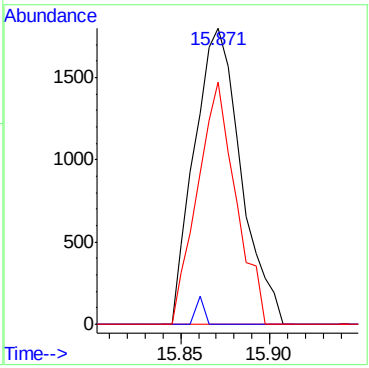


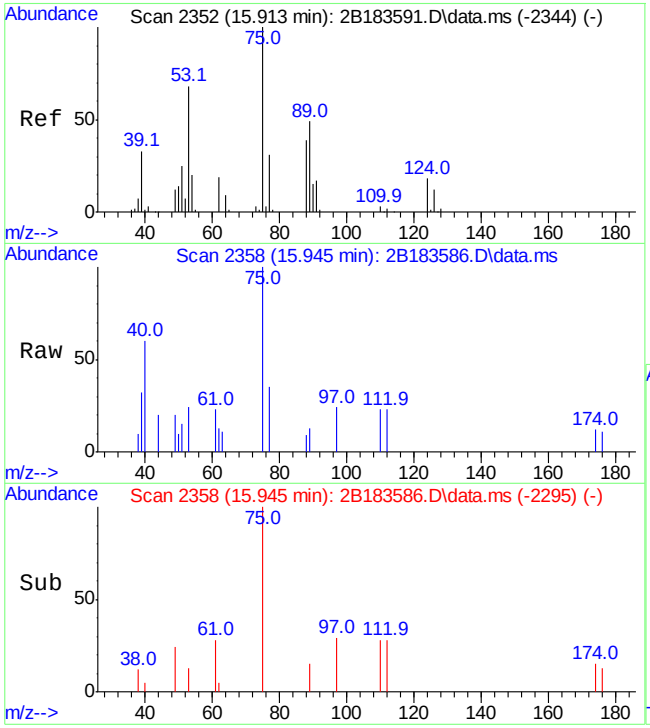


#100
1,1,2,2-tetrachloroethane
Concen: 0.97 ug/L
RT: 15.871 min Scan# 2344
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 83 Resp: 3275

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	41.6
85	81.9	34.8	94.8

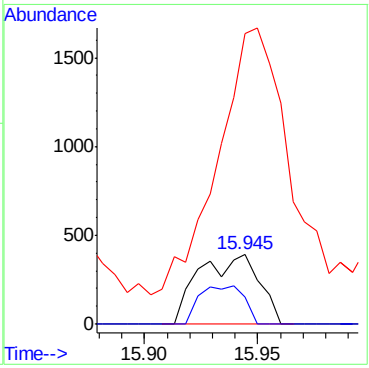


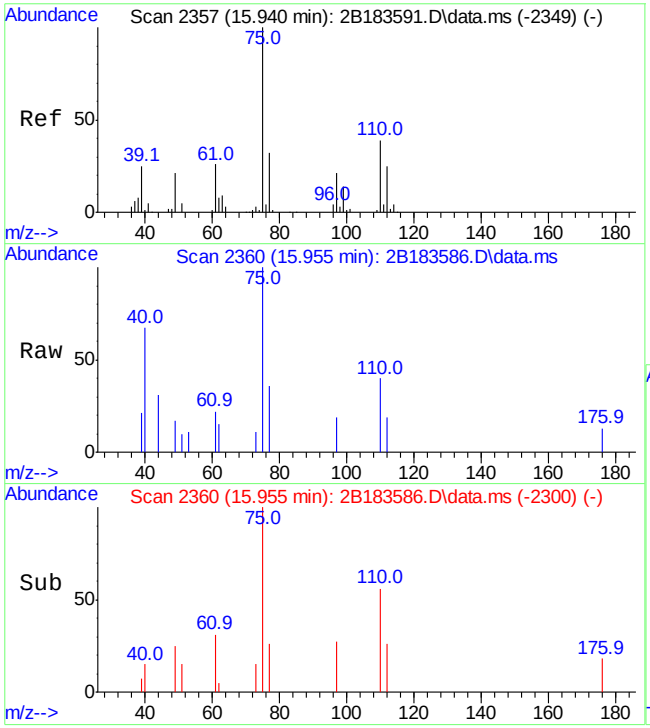


#101
trans-1,4-dichloro-2-butene
Concen: 0.85 ug/L
RT: 15.945 min Scan# 2358
Delta R.T. 0.031 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 53 Resp: 722

Ion	Ratio	Lower	Upper
53	100		
88	38.0	26.5	86.5
75	363.8	116.8	176.8#

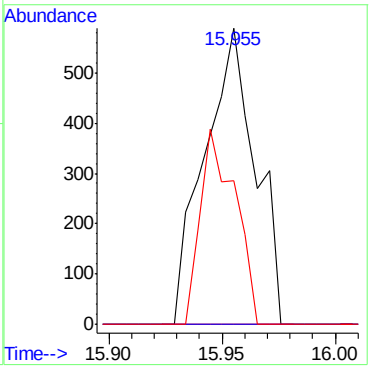


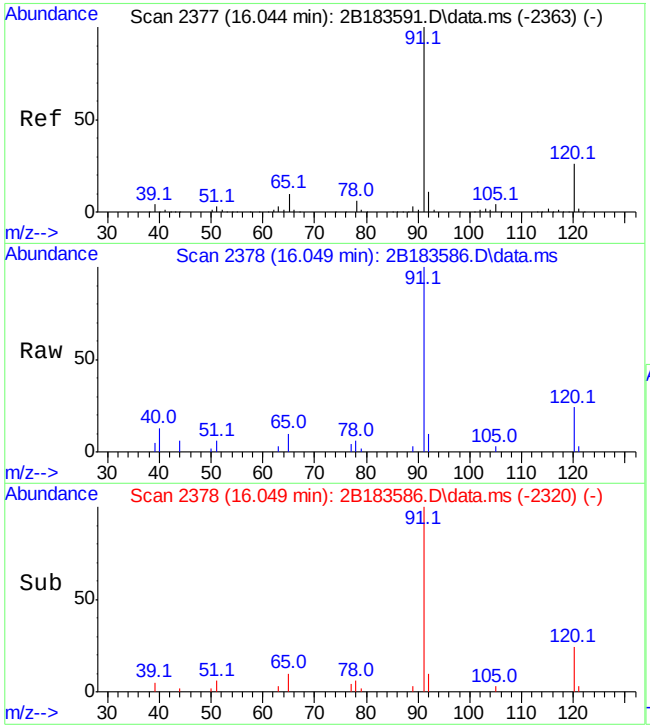


#102
1,2,3-trichloropropane
Concen: 0.97 ug/L
RT: 15.955 min Scan# 2360
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:110 Resp: 919

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	40.7
97	48.6	23.2	83.2

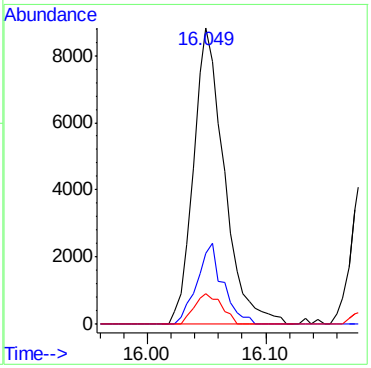


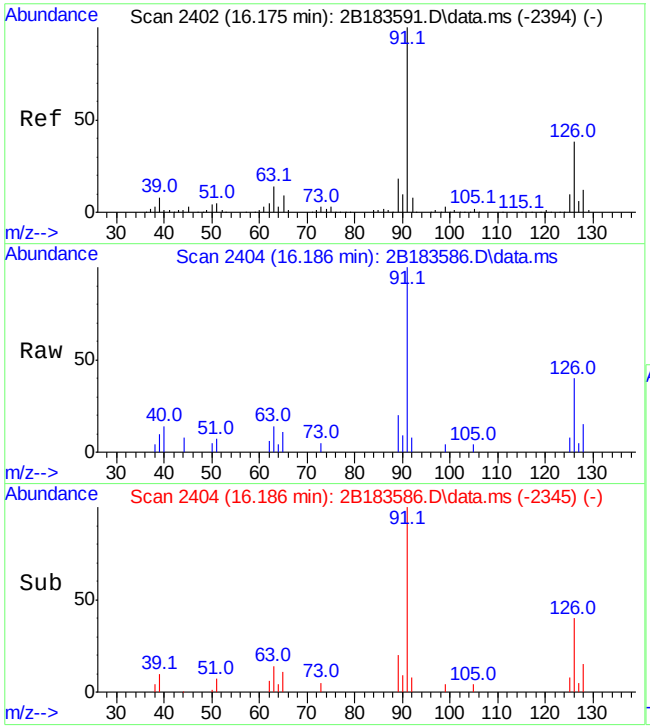


#103
n-propylbenzene
Concen: 0.98 ug/L
RT: 16.049 min Scan# 2378
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 91 Resp: 15843

Ion	Ratio	Lower	Upper
91	100		
120	23.8	0.0	55.5
65	10.2	0.0	39.9

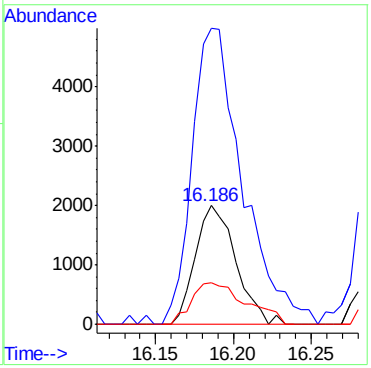


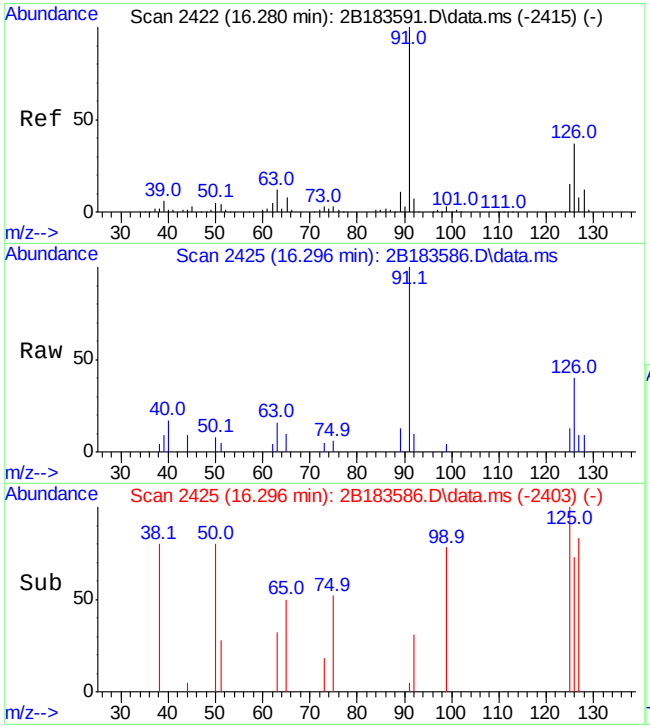


#104
2-chlorotoluene
Concen: 0.97 ug/L
RT: 16.186 min Scan# 2404
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:126 Resp: 3604

Ion	Ratio	Lower	Upper
126	100		
91	249.0	233.1	293.1
63	35.2	6.5	66.5

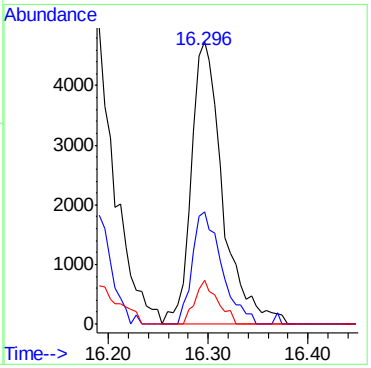


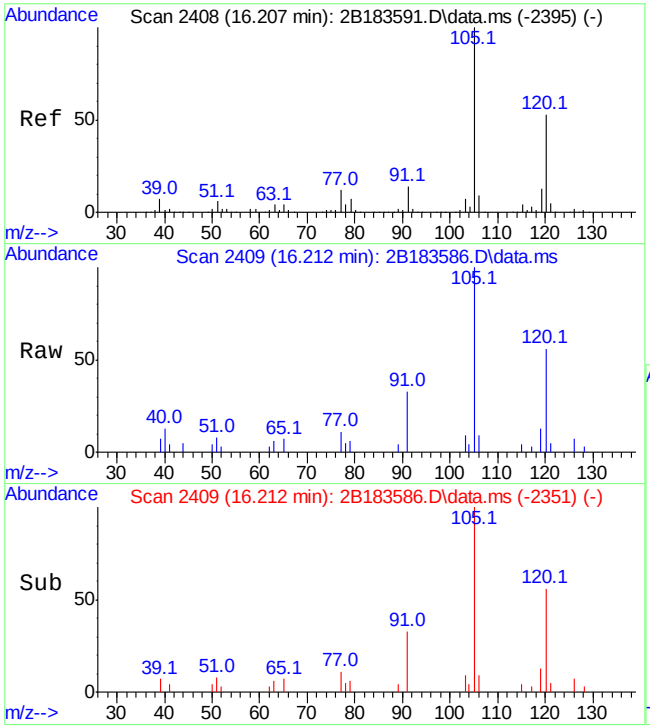


#105
4-chlorotoluene
Concen: 1.02 ug/L
RT: 16.296 min Scan# 2425
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 91 Resp: 10362

Ion	Ratio	Lower	Upper
91	100		
126	39.9	7.4	67.4
63	15.7	0.0	42.1

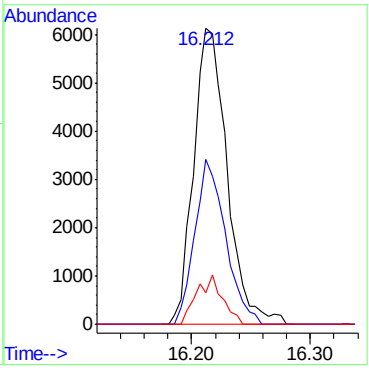


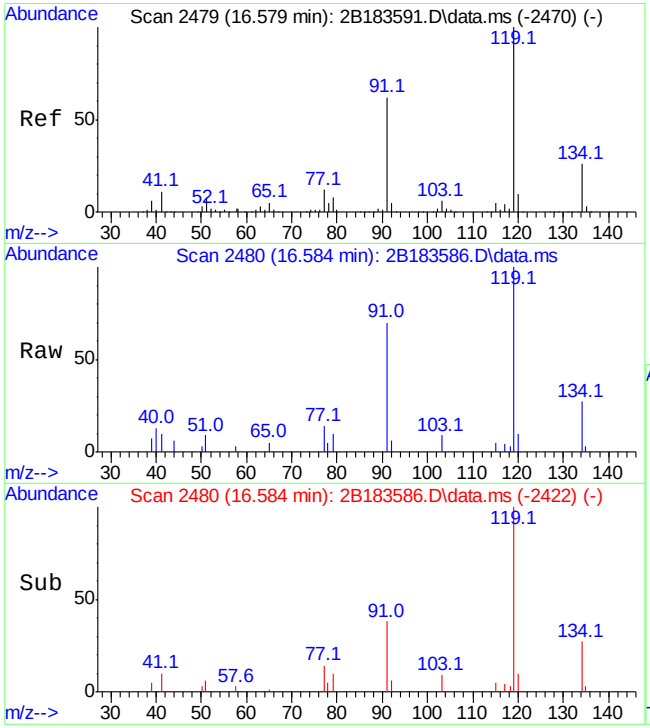


#106
1,3,5-trimethylbenzene
Concen: 0.99 ug/L
RT: 16.212 min Scan# 2409
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:105 Resp: 12006

Ion	Ratio	Lower	Upper
105	100		
120	55.7	22.7	82.7
77	10.8	0.0	42.1

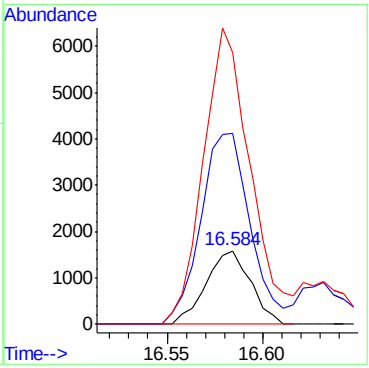


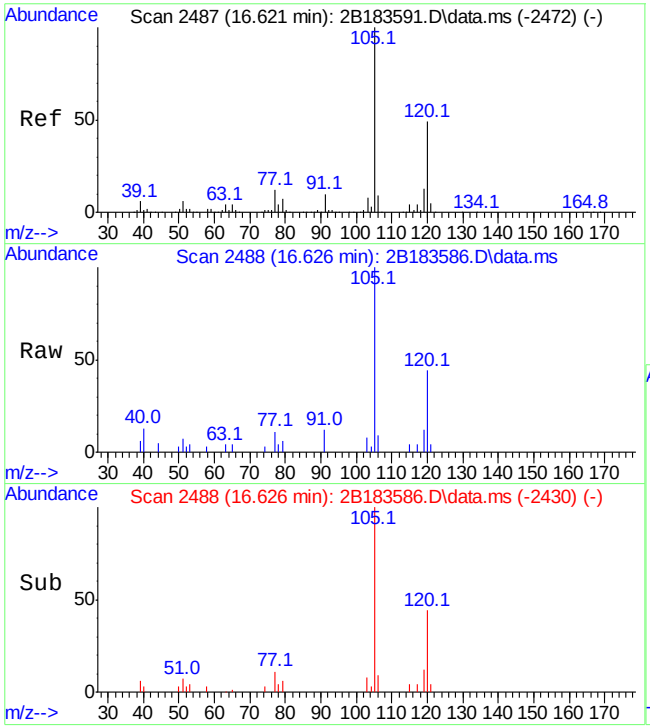


#107
tert-butylbenzene
Concen: 0.93 ug/L
RT: 16.584 min Scan# 2480
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:134 Resp: 2543

Ion	Ratio	Lower	Upper
134	100		
91	261.9	208.1	268.1
119	371.9	353.9	413.9

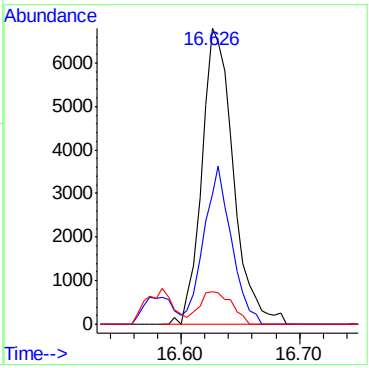


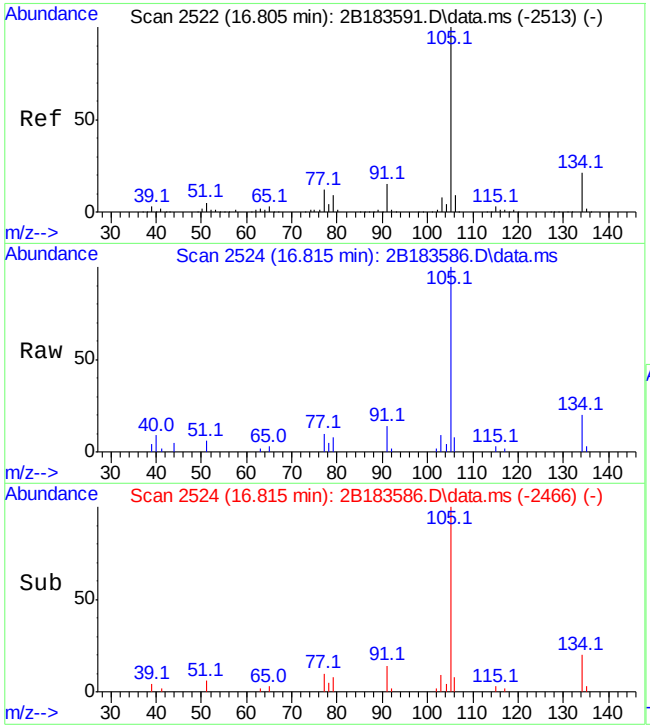


#108
1,2,4-trimethylbenzene
Concen: 0.99 ug/L
RT: 16.626 min Scan# 2488
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:105 Resp: 12530

Ion	Ratio	Lower	Upper
105	100		
120	43.9	19.5	79.5
77	11.2	0.0	41.6

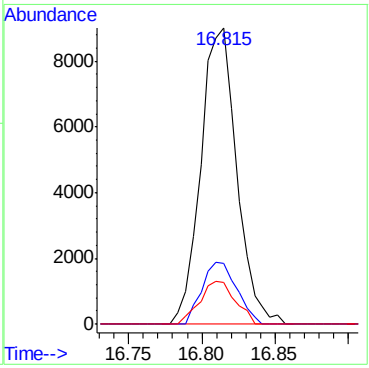


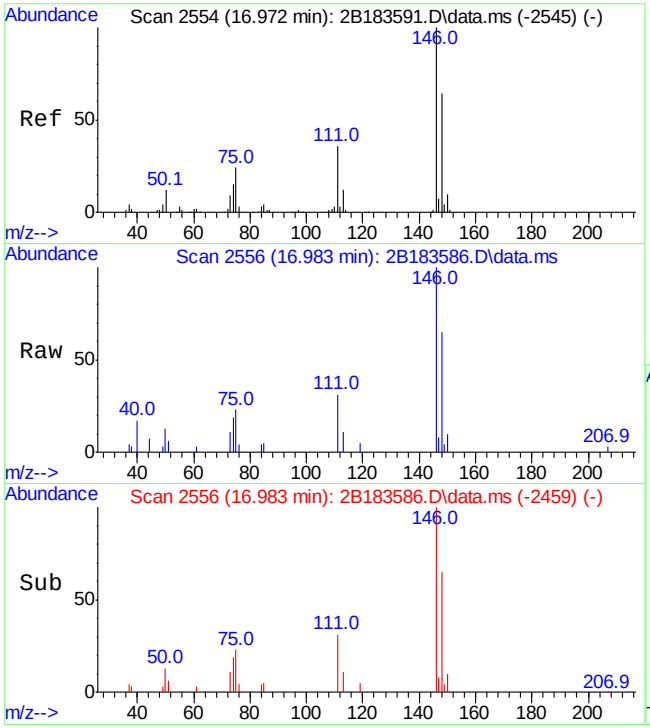


#109
sec-butylbenzene
Concen: 0.94 ug/L
RT: 16.815 min Scan# 2524
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:105 Resp: 15357

Ion	Ratio	Lower	Upper
105	100		
134	20.5	0.0	50.9
91	13.9	0.0	44.9

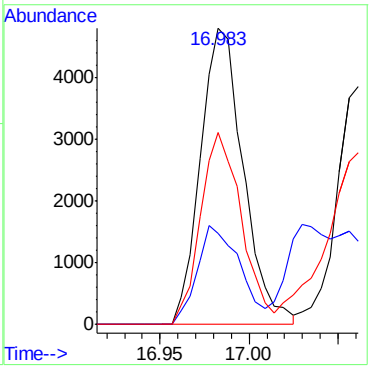


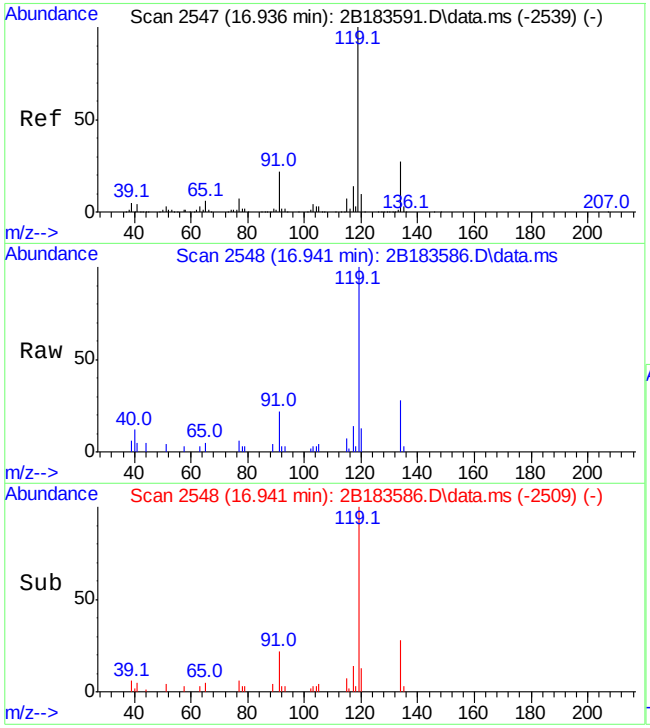


#110
1,3-dichlorobenzene
Concen: 1.02 ug/L
RT: 16.983 min Scan# 2556
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:146 Resp: 8056

Ion	Ratio	Lower	Upper
146	100		
111	30.9	6.0	66.0
148	65.0	34.1	94.1

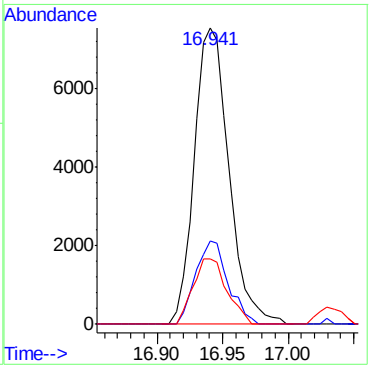


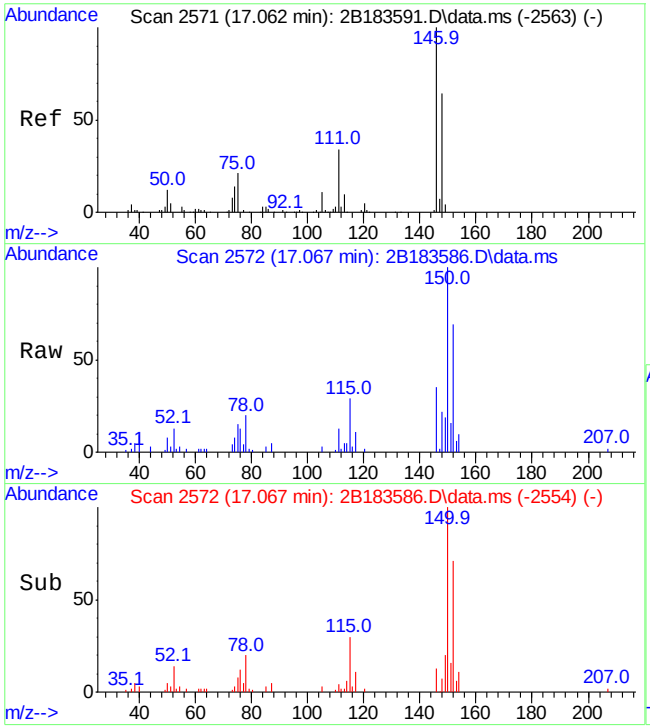


#111
p-isopropyltoluene
Concen: 0.97 ug/L
RT: 16.941 min Scan# 2548
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:119 Resp: 13895

Ion	Ratio	Lower	Upper
119	100		
134	28.0	0.0	57.2
91	21.9	0.0	51.8

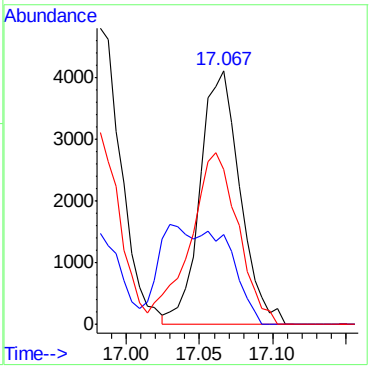


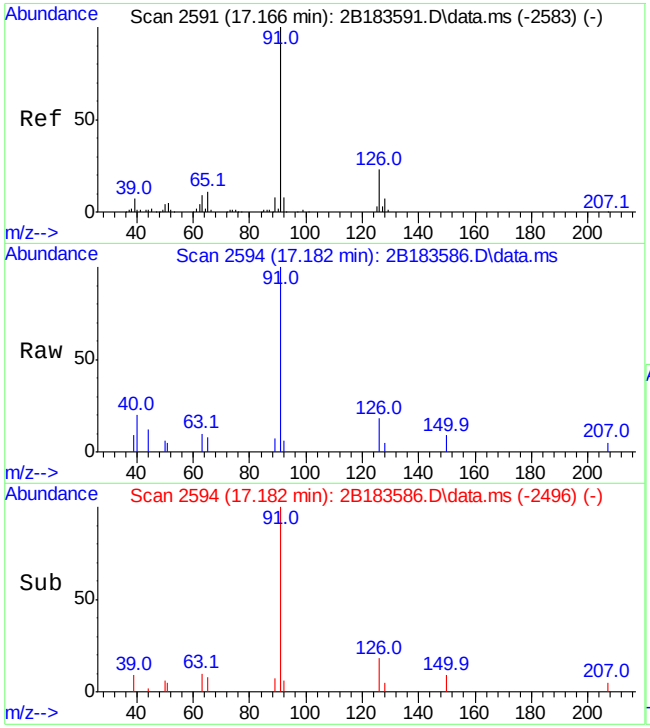


#112
1,4-dichlorobenzene
Concen: 1.00 ug/L
RT: 17.067 min Scan# 2572
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:146 Resp: 7782

Ion	Ratio	Lower	Upper
146	100		
111	35.3	4.0	64.0
148	61.2	34.3	94.3

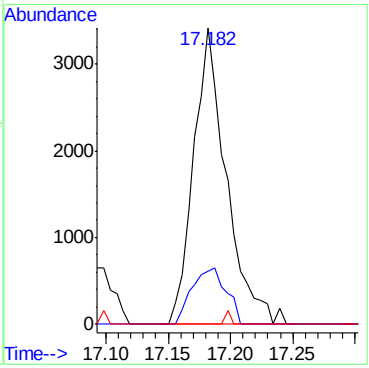


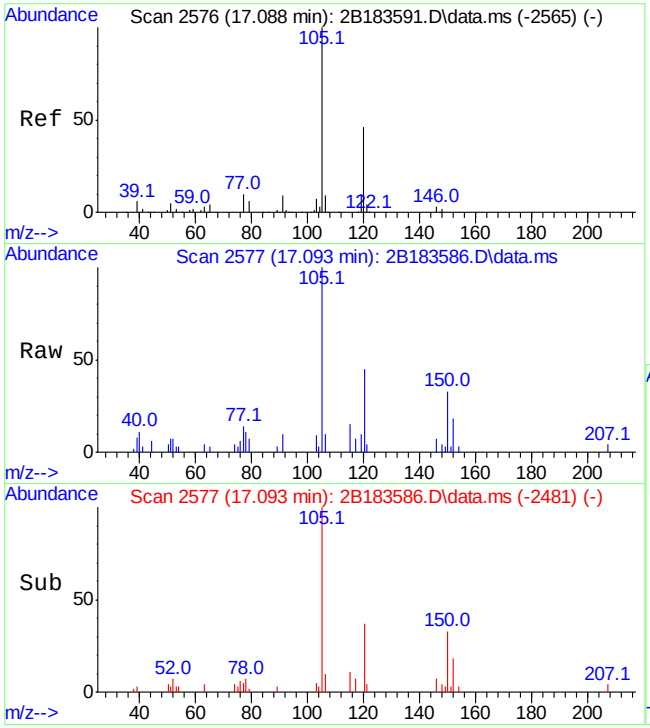


#113
benzyl chloride
Concen: 0.90 ug/L
RT: 17.182 min Scan# 2594
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 91 Resp: 6239

Ion	Ratio	Lower	Upper
91	100		
126	17.7	0.0	52.7
62	0.0	0.0	34.0

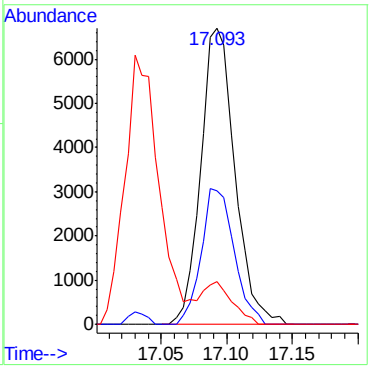


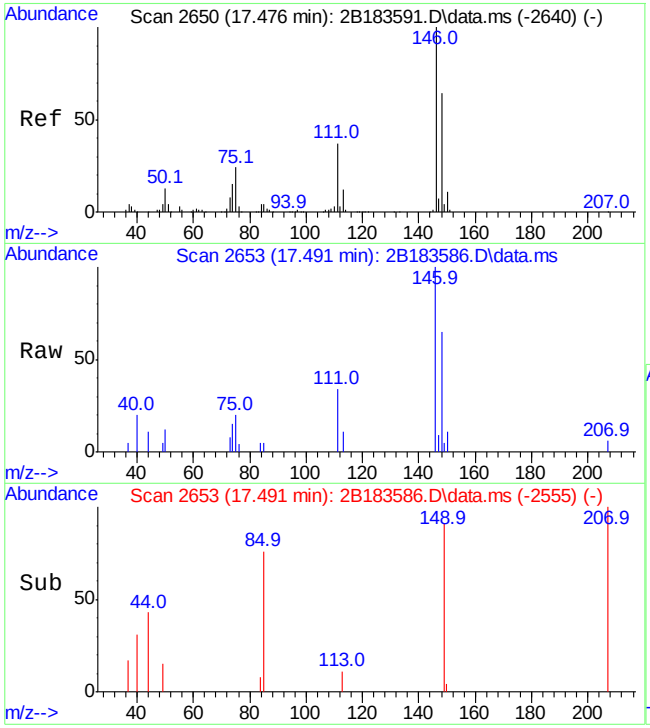


#114
1,2,3-trimethylbenzene
Concen: 0.98 ug/L
RT: 17.093 min Scan# 2577
Delta R.T. 0.005 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:105 Resp: 12115

Ion	Ratio	Lower	Upper
105	100		
120	45.1	16.3	76.3
77	14.4	0.0	41.7

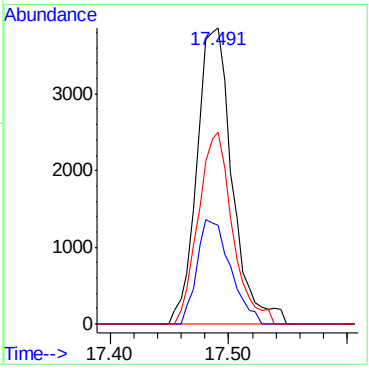


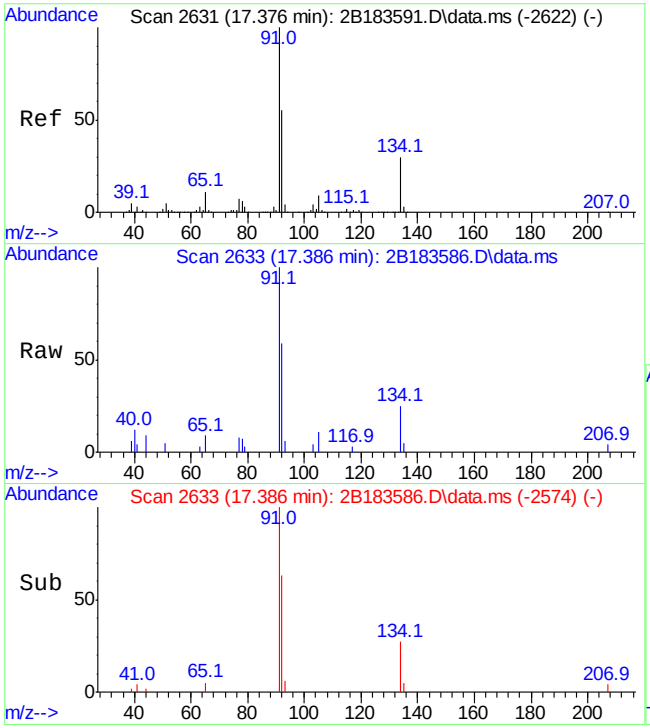


#115
1,2-dichlorobenzene
Concen: 1.01 ug/L
RT: 17.491 min Scan# 2653
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:146 Resp: 8005

Ion	Ratio	Lower	Upper
146	100		
111	33.5	6.6	66.6
148	64.9	34.3	94.3

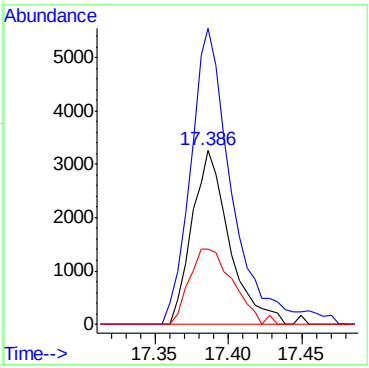


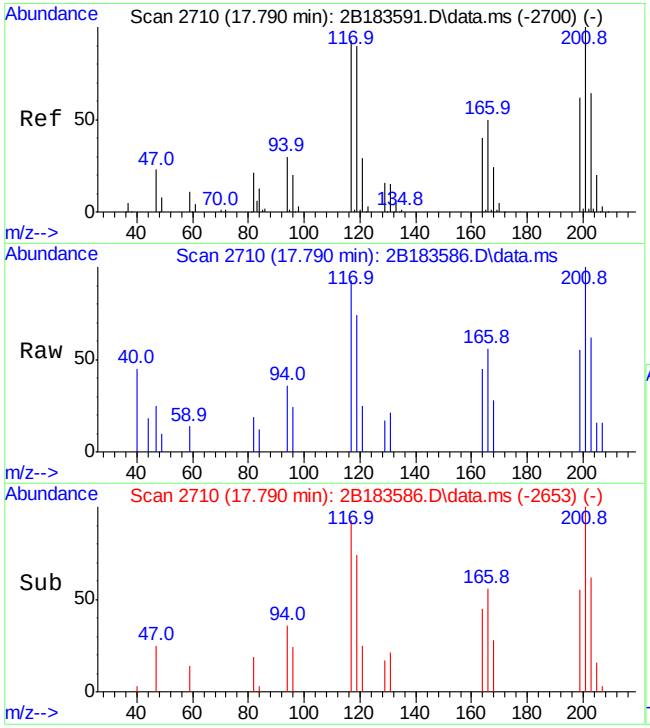


#116
n-butylbenzene
Concen: 0.90 ug/L
RT: 17.386 min Scan# 2633
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion: 92 Resp: 5802

Ion	Ratio	Lower	Upper
92	100		
91	169.8	150.9	210.9
134	43.1	23.6	83.6

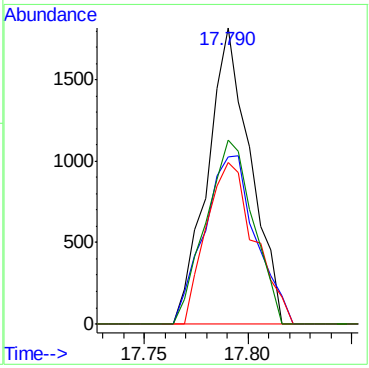


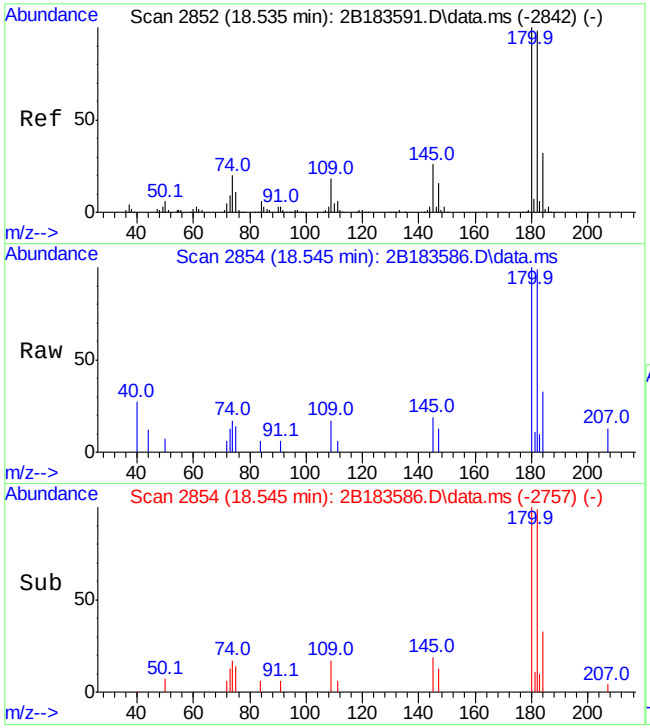


#117
hexachloroethane
Concen: 0.91 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. -0.000 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:201 Resp: 2620

Ion	Ratio	Lower	Upper
201	100		
166	56.4	30.5	70.5
199	54.7	42.1	82.1
203	62.2	44.3	84.3

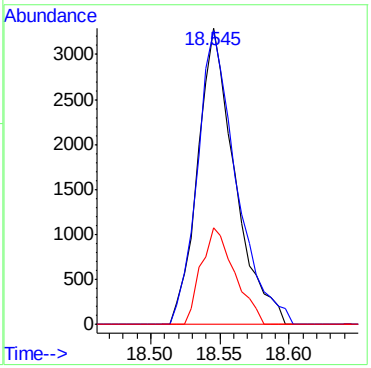


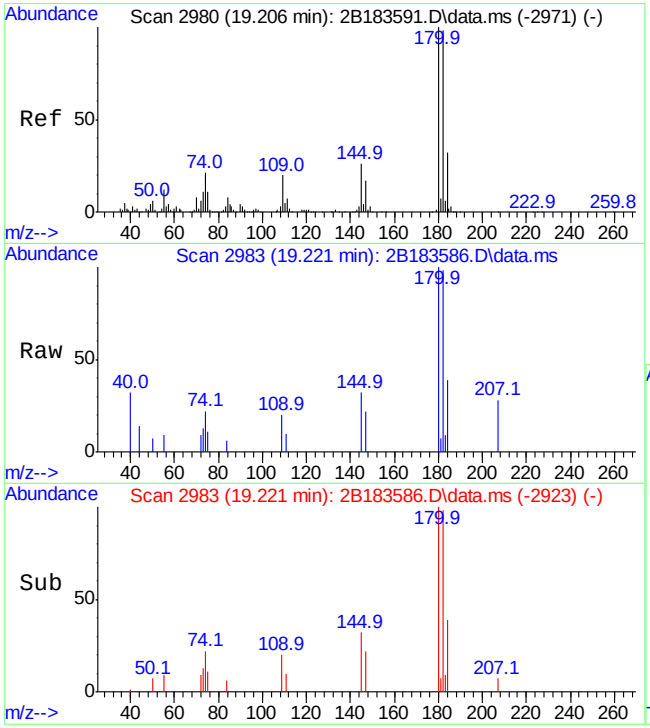


#119
1,3,5-trichlorobenzene
Concen: 0.90 ug/L
RT: 18.545 min Scan# 2854
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:180 Resp: 6145

Ion	Ratio	Lower	Upper
180	100		
182	99.2	67.9	127.9
184	32.7	1.5	61.5

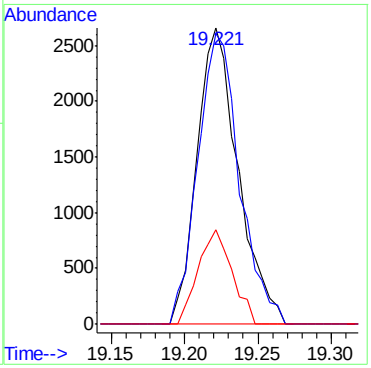


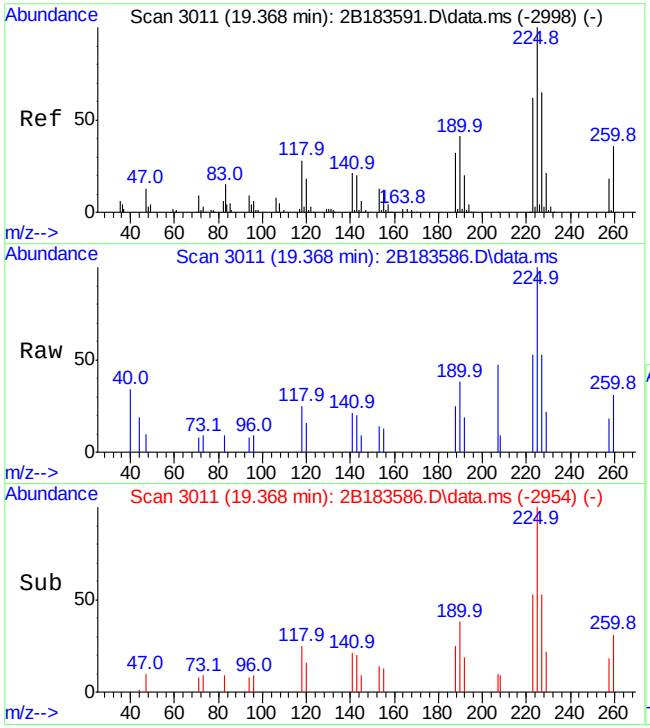


#121
1,2,4-trichlorobenzene
Concen: 0.87 ug/L
RT: 19.221 min Scan# 2983
Delta R.T. 0.016 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:180 Resp: 5201

Ion	Ratio	Lower	Upper
180	100		
182	98.1	68.2	128.2
145	31.8	0.0	56.2

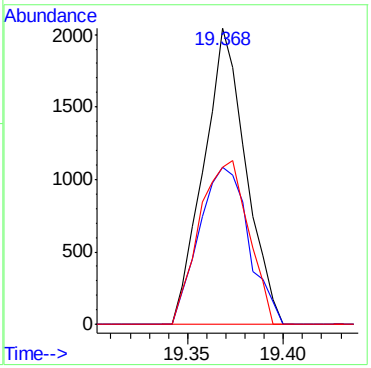


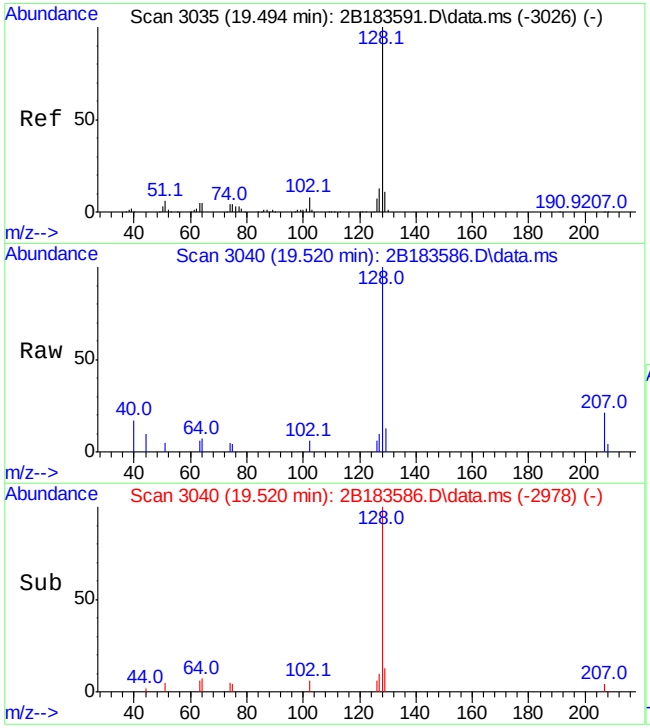


#122
hexachlorobutadiene
Concen: 0.98 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:225 Resp: 3116

Ion	Ratio	Lower	Upper
225	100		
223	53.0	32.1	92.1
227	53.0	34.7	94.7

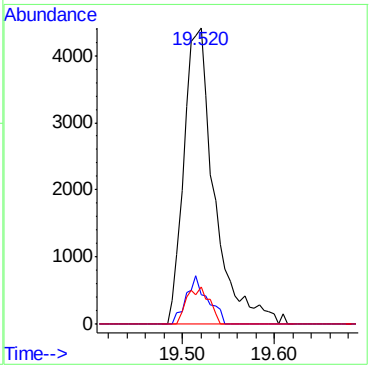


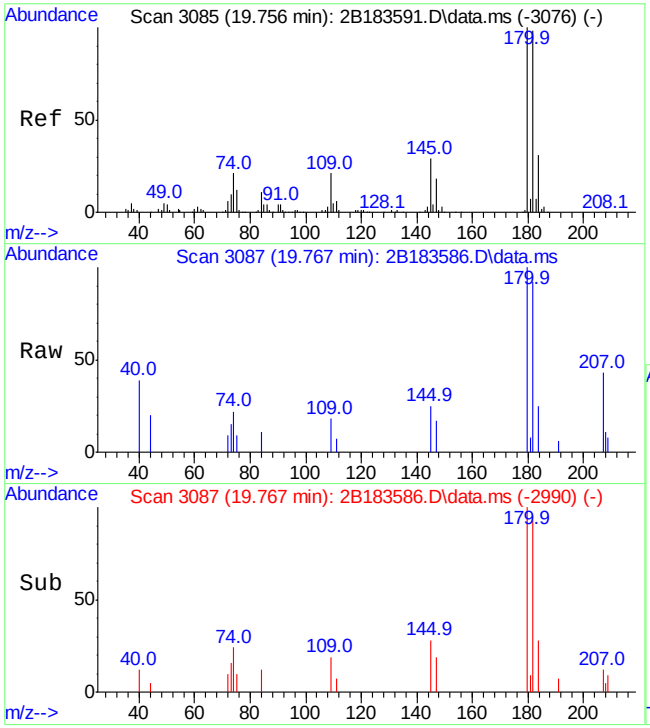


#123
naphthalene
Concen: 0.89 ug/L
RT: 19.520 min Scan# 3040
Delta R.T. 0.026 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:128 Resp: 10161

Ion	Ratio	Lower	Upper
128	100		
127	10.0	0.0	42.6
129	12.6	0.0	41.2

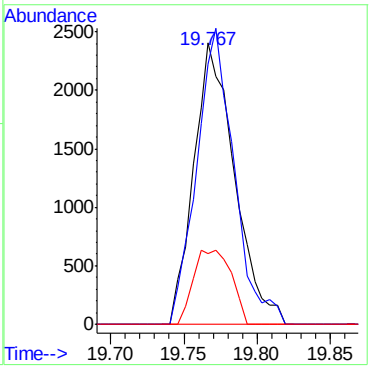




#124
1,2,3-trichlorobenzene
Concen: 0.90 ug/L
RT: 19.767 min Scan# 3087
Delta R.T. 0.010 min
Lab File: 2B183586.D
Acq: 16 Jun 21 6:55 pm

Tgt Ion:180 Resp: 4664

Ion	Ratio	Lower	Upper
180	100		
182	92.2	68.2	128.2
145	24.9	0.0	58.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183587.D
Acq On : 16 Jun 2021 7:24 pm
Operator : thienn
Sample : ic8337-2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 19:00:43 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.750	65	125516	500.00	ug/L		0.00
5) pentafluorobenzene	10.256	168	368180	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	492933	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	461862	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	254956	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	164639	49.97	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.94%				
52) 1,2-dichloroethane-d4 (s)	10.681	65	172555	50.82	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.64%				
74) toluene-d8 (s)	12.951	98	559908	50.17	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.34%				
98) 4-bromofluorobenzene (s)	15.793	95	212896	50.16	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.32%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.897	59	2840	9.90	ug/L		80
3) ethanol	6.397	45	4825	196.87	ug/L		84
6) chlorodifluoromethane	4.169	51	10122	2.18	ug/L		89
7) dichlorodifluoromethane	4.153	85	13091	2.12	ug/L		97
8) chloromethane	4.562	50	12530	2.21	ug/L		94
9) vinyl chloride	4.819	62	12147	2.29	ug/L		90
10) 1,3-butadiene	4.840	54	8782	2.36	ug/L		96
11) bromomethane	5.464	94	8214	2.15	ug/L		98
12) chloroethane	5.632	64	5637	2.15	ug/L		94
13) trichlorofluoromethane	6.193	101	14486	3.74	ug/L		88
14) ethyl ether	6.628	74	3076	2.12	ug/L		94
16) freon 113	7.079	151	7351	2.30	ug/L		96
17) 1,1-dichloroethene	7.052	96	6328	2.30	ug/L		96
18) acetone	7.110	43	6004	9.84	ug/L		91
19) acetonitrile	7.530	41	6375	26.41	ug/L		83
20) iodomethane	7.315	142	13292	2.23	ug/L		96
21) carbon disulfide	7.477	76	21610	2.36	ug/L		96
22) methylene chloride	7.792	84	6393	2.17	ug/L		82
24) methyl tert butyl ether	8.253	73	20007	2.41	ug/L		96
25) trans-1,2-dichloroethene	8.269	96	6624	2.30	ug/L		88
26) di-isopropyl ether	8.935	45	20452	2.27	ug/L		74
27) 2-butanone	9.658	72	1625	8.46	ug/L	#	81
28) 1,1-dichloroethane	8.851	63	11602	2.31	ug/L		98
29) chloroprene	9.019	53	8554	2.32	ug/L		98
31) hexane	8.688	56	4838	2.24	ug/L	#	86
33) ethyl tert-butyl ether	9.443	59	21362	2.18	ug/L		94
35) 2,2-dichloropropane	9.679	77	10729	2.27	ug/L		91
36) cis-1,2-dichloroethene	9.663	96	7163	2.27	ug/L		81
38) propionitrile	9.690	54	6432	23.71	ug/L		89
39) bromochloromethane	9.968	128	3751	2.18	ug/L		95
41) chloroform	10.041	85	7820	2.14	ug/L		96
42) t-butyl formate	10.130	59	4693	2.08	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183587.D
Acq On : 16 Jun 2021 7:24 pm
Operator : thienn
Sample : ic8337-2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 19:00:43 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	methacrylonitrile	9.926	67	1732	1.87	ug/L		92
45)	1,1,1-trichloroethane	10.350	97	10519	2.22	ug/L		97
46)	cyclohexane	10.471	84	9981	2.29	ug/L		87
47)	1,1-dichloropropene	10.555	75	8401	2.31	ug/L		95
48)	iso-butyl alcohol	10.550	43	1850	23.69	ug/L	#	56
49)	carbon tetrachloride	10.586	117	10271	2.31	ug/L		99
54)	2,2,4-trimethylpentane	10.911	57	22107	2.33	ug/L		96
55)	benzene	10.817	78	23934	2.29	ug/L		98
56)	tert-amyl methyl ether	10.896	87	4822	2.20	ug/L	#	78
57)	heptane	11.105	71	5020	2.24	ug/L		96
59)	1,2-dichloroethane	10.780	62	8582	2.16	ug/L		98
60)	trichloroethene	11.582	130	7586	2.33	ug/L		97
62)	2-nitropropane	12.327	41	1417	2.00	ug/L	#	78
63)	2-chloroethyl vinyl ether	12.400	63	17507	11.07	ug/L		98
65)	1,2-dichloropropane	11.818	63	5908	2.23	ug/L		98
66)	dibromomethane	11.960	93	3982	2.18	ug/L		94
67)	methylcyclohexane	11.850	83	11717	2.30	ug/L		95
68)	bromodichloromethane	12.107	83	8911	2.22	ug/L		97
69)	epichlorohydrin	12.505	57	2323	10.25	ug/L	#	71
70)	cis-1,3-dichloropropene	12.615	75	9994	2.18	ug/L		96
71)	4-methyl-2-pentanone	12.736	58	8052	9.25	ug/L		92
72)	3-methyl-1-butanol	12.778	70	1678	0.81	ug/L	#	63
75)	toluene	13.035	92	14716	2.22	ug/L		99
76)	trans-1,3-dichloropropene	13.208	75	8377	2.22	ug/L		98
77)	ethyl methacrylate	13.271	69	6351	1.86	ug/L		97
78)	1,1,2-trichloroethane	13.428	83	4552	2.22	ug/L		90
79)	tetrachloroethene	13.674	164	6901	2.50	ug/L		98
80)	1,3-dichloropropane	13.627	76	8983	2.25	ug/L		97
81)	2-hexanone	13.664	58	6193	8.36	ug/L		92
82)	butyl acetate	13.779	56	2766	1.98	ug/L	#	81
83)	dibromochloromethane	13.900	129	7433	2.22	ug/L		89
84)	1,2-dibromoethane	14.068	107	5929	2.32	ug/L		100
85)	n-butyl ether	14.581	57	22124	2.21	ug/L		97
86)	chlorobenzene	14.587	112	17991	2.29	ug/L		88
87)	1,1,1,2-tetrachloroethane	14.650	131	7256	2.32	ug/L		96
88)	ethylbenzene	14.681	91	29222	2.30	ug/L		99
89)	m,p-xylene	14.802	106	23561	4.59	ug/L		99
90)	o-xylene	15.237	106	12347	2.26	ug/L		97
91)	styrene	15.247	104	19905	2.28	ug/L		98
92)	n-amyl acetate	15.294	70	3119	1.82	ug/L		97
93)	bromoform	15.467	173	5401	2.13	ug/L		98
94)	butyl acrylate	15.074	55	9456	2.10	ug/L		97
95)	isopropylbenzene	15.609	105	33559	2.25	ug/L		99
96)	cis-1,4-dichloro-2-butene	15.620	88	2378	0.46	ug/L		94
99)	bromobenzene	15.997	156	9028	2.25	ug/L		87
100)	1,1,2,2-tetrachloroethane	15.866	83	7138	2.15	ug/L		95
101)	trans-1,4-dichloro-2-b...	15.929	53	1694	2.02	ug/L	#	60
102)	1,2,3-trichloropropane	15.945	110	2116	2.27	ug/L		80
103)	n-propylbenzene	16.049	91	35833	2.26	ug/L		99
104)	2-chlorotoluene	16.186	126	8373	2.29	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183587.D
Acq On : 16 Jun 2021 7:24 pm
Operator : thienn
Sample : ic8337-2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 19:00:43 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

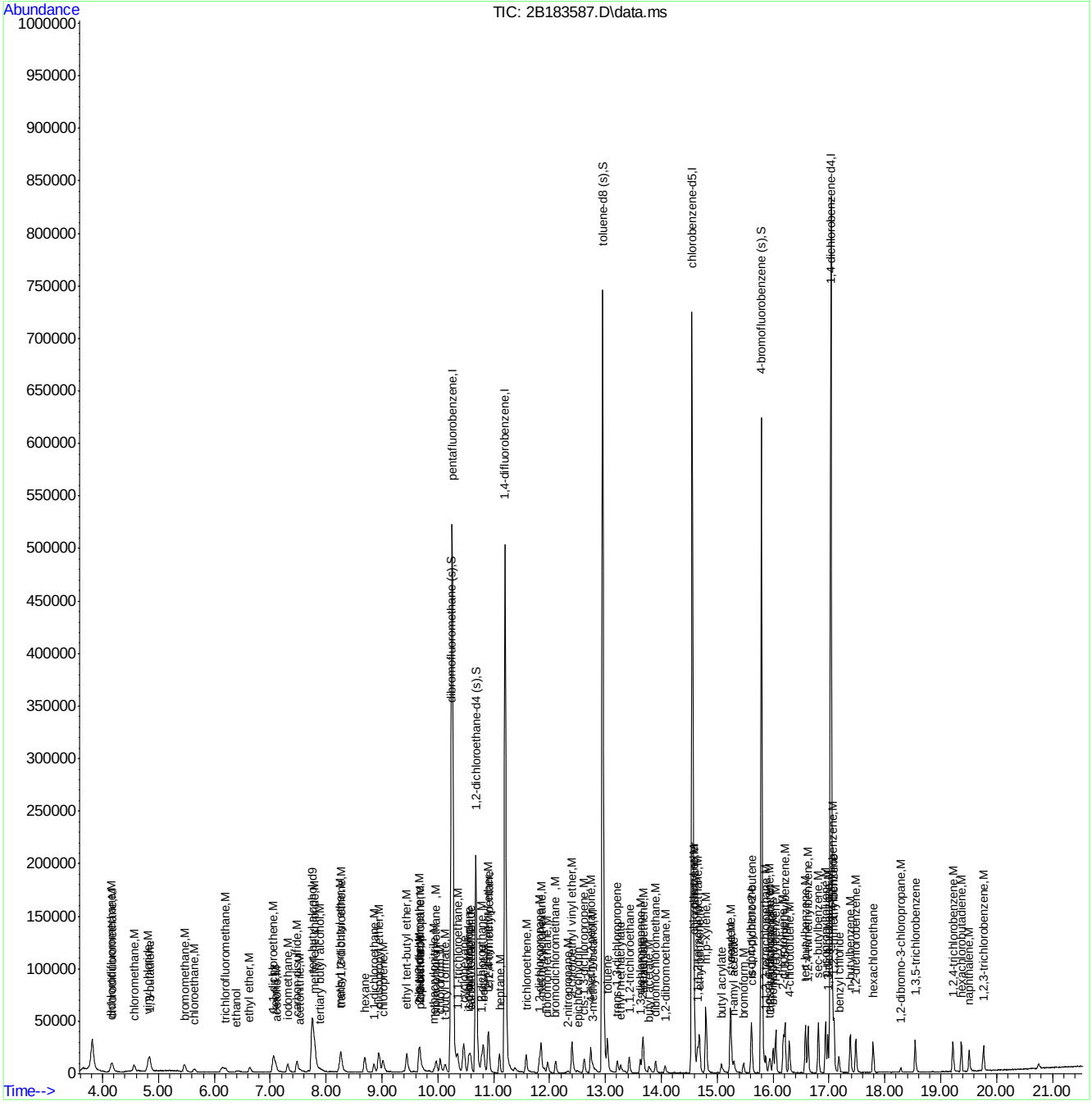
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) 4-chlorotoluene	16.291	91	22104	2.21	ug/L	97
106) 1,3,5-trimethylbenzene	16.212	105	26695	2.22	ug/L	95
107) tert-butylbenzene	16.579	134	5958	2.21	ug/L	88
108) 1,2,4-trimethylbenzene	16.626	105	28359	2.27	ug/L	99
109) sec-butylbenzene	16.810	105	36515	2.26	ug/L	97
110) 1,3-dichlorobenzene	16.983	146	17884	2.29	ug/L	96
111) p-isopropyltoluene	16.941	119	31478	2.22	ug/L	98
112) 1,4-dichlorobenzene	17.061	146	16793	2.20	ug/L	99
113) benzyl chloride	17.177	91	14032	2.05	ug/L	96
114) 1,2,3-trimethylbenzene	17.093	105	26626	2.18	ug/L	98
115) 1,2-dichlorobenzene	17.481	146	16800	2.16	ug/L	94
116) n-butylbenzene	17.381	92	14217	2.25	ug/L	98
117) hexachloroethane	17.790	201	6065	2.14	ug/L	90
118) 1,2-dibromo-3-chloropr...	18.283	157	1751	1.73	ug/L	92
119) 1,3,5-trichlorobenzene	18.545	180	14593	2.17	ug/L	98
121) 1,2,4-trichlorobenzene	19.216	180	12267	2.09	ug/L	90
122) hexachlorobutadiene	19.368	225	7084	2.26	ug/L	95
123) naphthalene	19.510	128	23035	2.04	ug/L	99
124) 1,2,3-trichlorobenzene	19.767	180	10789	2.11	ug/L	98

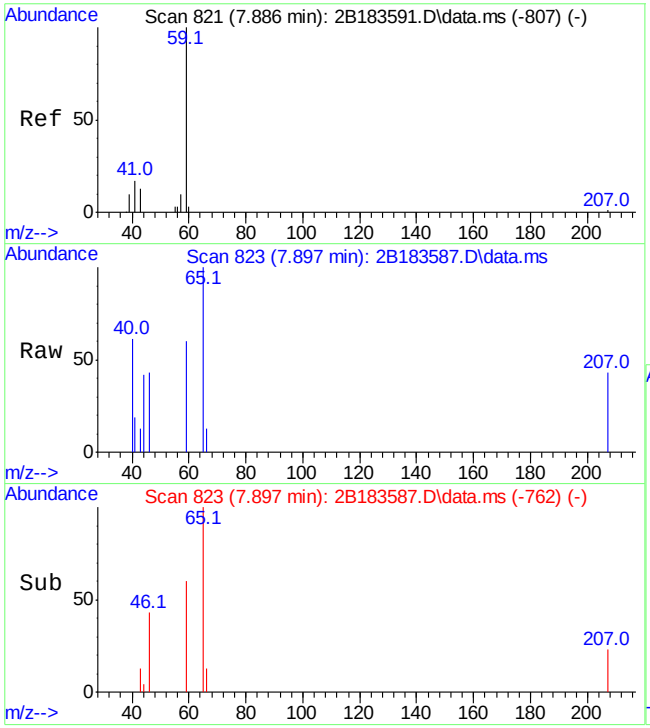
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183587.D
Acq On : 16 Jun 2021 7:24 pm
Operator : thienn
Sample : ic8337-2
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 17 19:00:43 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 09:37:21 2021
Response via : Initial Calibration

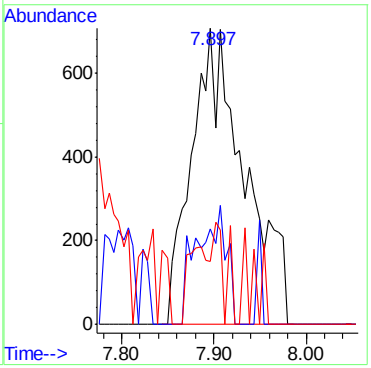


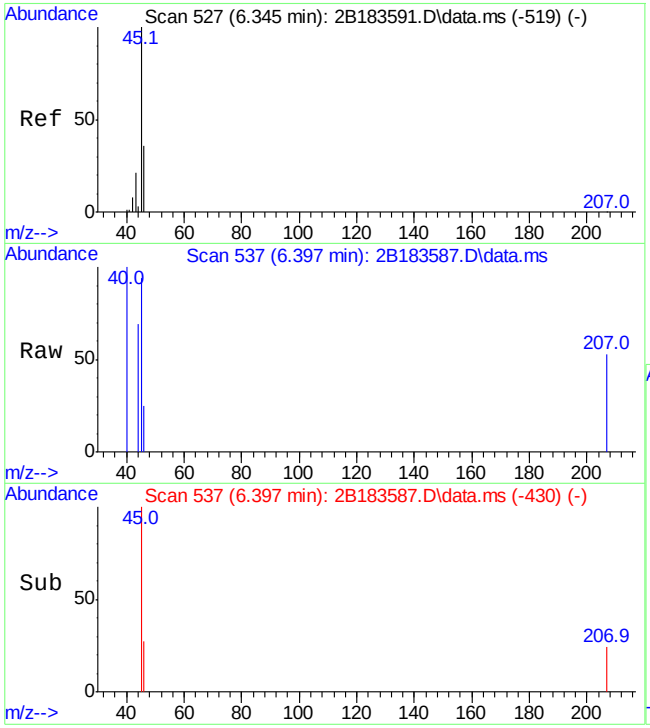


#2
tertiary butyl alcohol
Concen: 9.90 ug/L
RT: 7.897 min Scan# 823
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 59 Resp: 2840

Ion	Ratio	Lower	Upper
59	100		
41	32.2	0.0	50.6
43	21.4	0.0	45.6

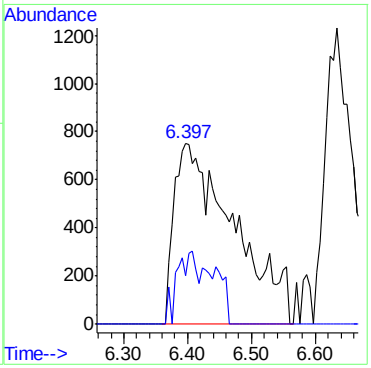


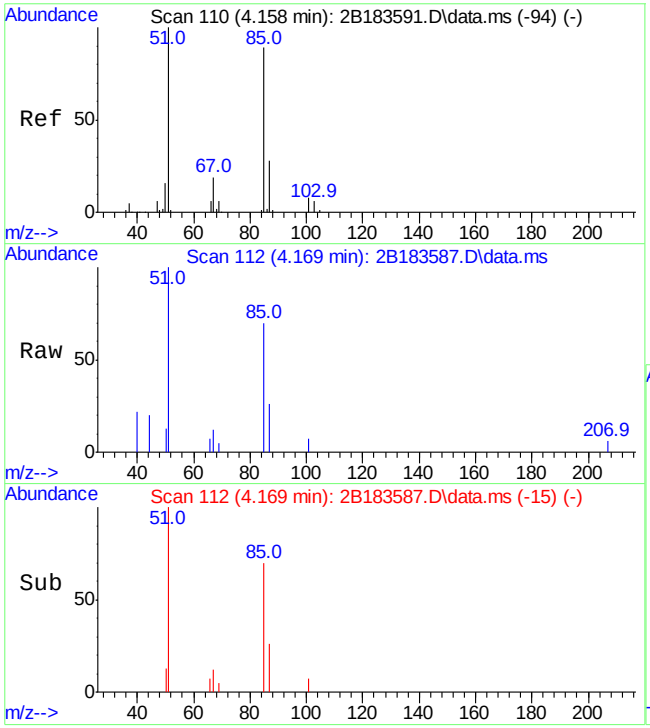


#3
ethanol
Concen: 196.87 ug/L
RT: 6.397 min Scan# 537
Delta R.T. 0.063 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 45 Resp: 4825

Ion	Ratio	Lower	Upper
45	100		
46	26.6	6.1	66.1

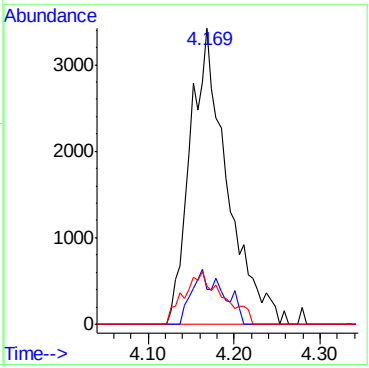


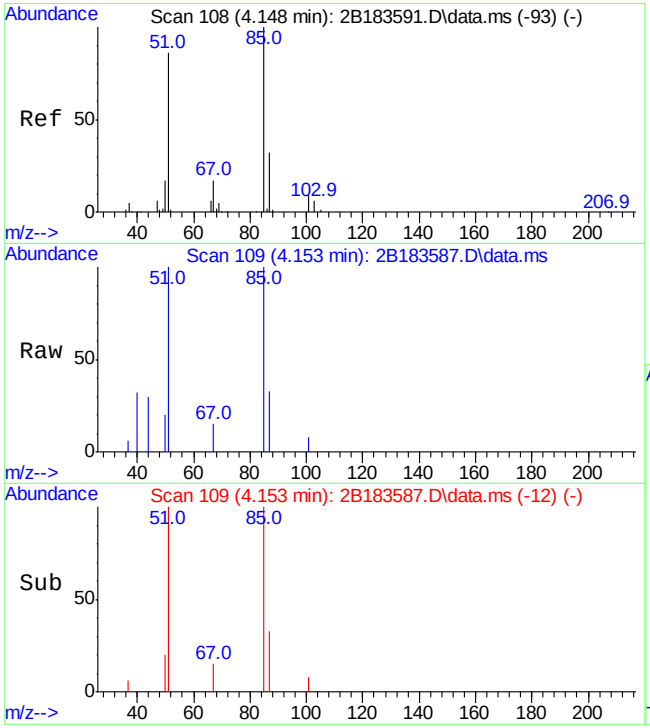


#6
chlorodifluoromethane
Concen: 2.18 ug/L
RT: 4.169 min Scan# 112
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 51 Resp: 10122

Ion	Ratio	Lower	Upper
51	100		
67	11.9	0.0	48.7
50	13.0	0.0	45.8

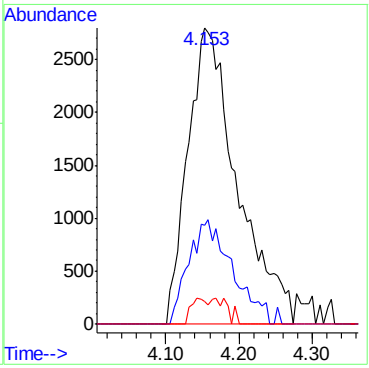


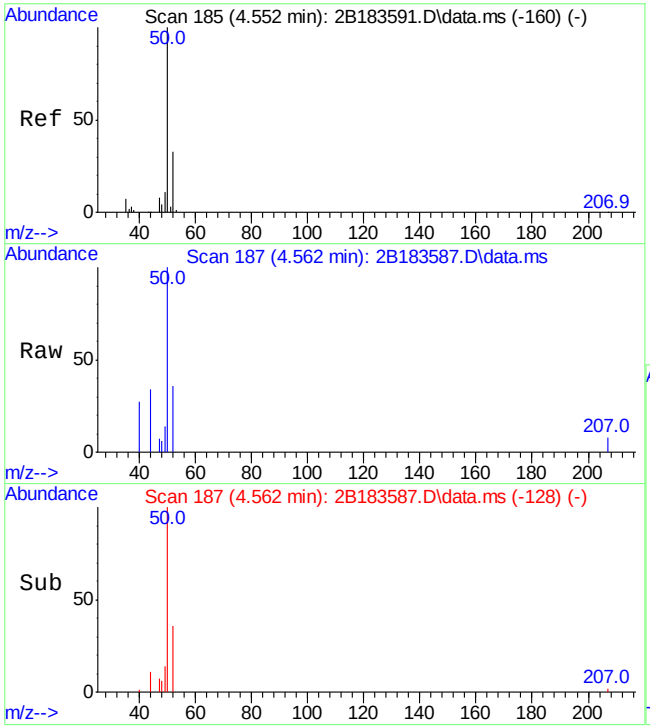


#7
dichlorodifluoromethane
Concen: 2.12 ug/L
RT: 4.153 min Scan# 109
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 85 Resp: 13091

Ion	Ratio	Lower	Upper
85	100		
87	33.2	1.9	61.9
101	7.8	0.0	39.2

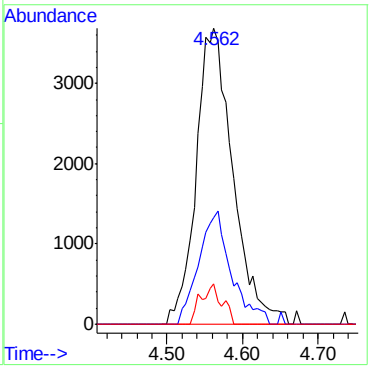


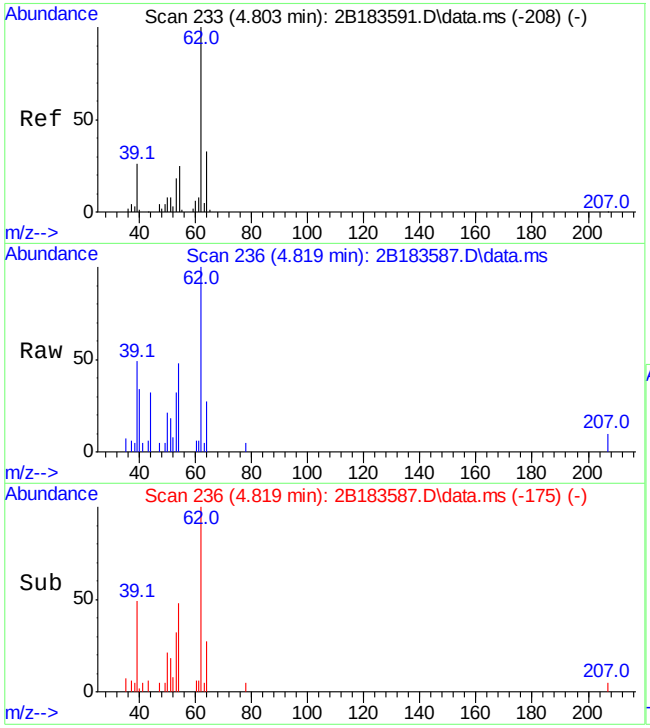


#8
chloromethane
Concen: 2.21 ug/L
RT: 4.562 min Scan# 187
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 50 Resp: 12530

Ion	Ratio	Lower	Upper
50	100		
52	36.1	2.9	62.9
49	13.8	0.0	41.3

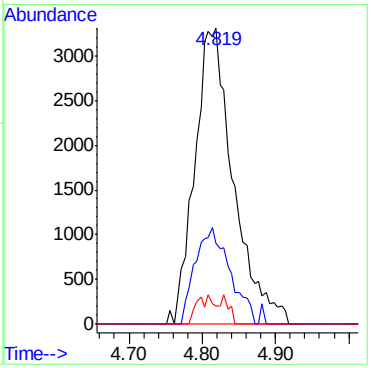


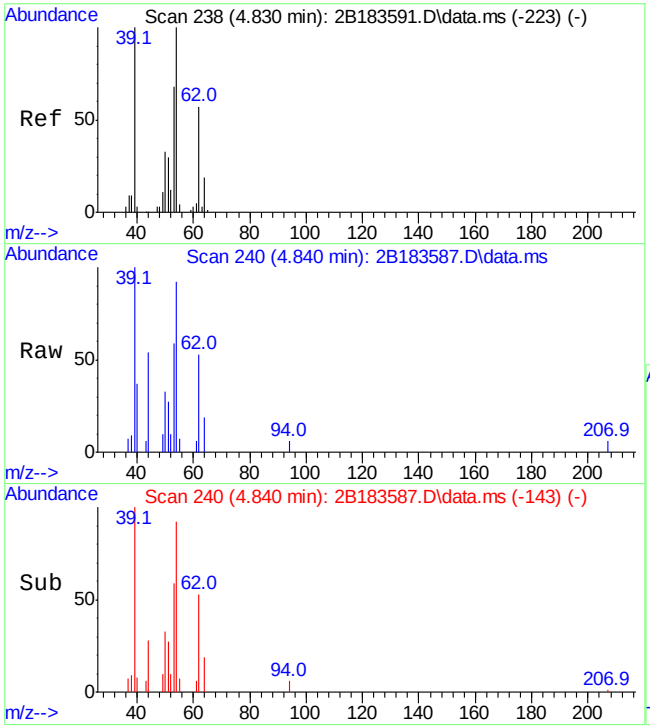


#9
vinyl chloride
Concen: 2.29 ug/L
RT: 4.819 min Scan# 236
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 62 Resp: 12147

Ion	Ratio	Lower	Upper
62	100		
64	27.2	3.0	63.0
61	6.0	0.0	38.4

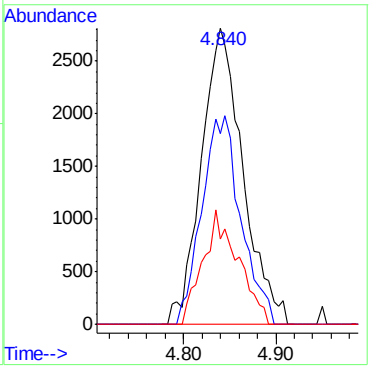


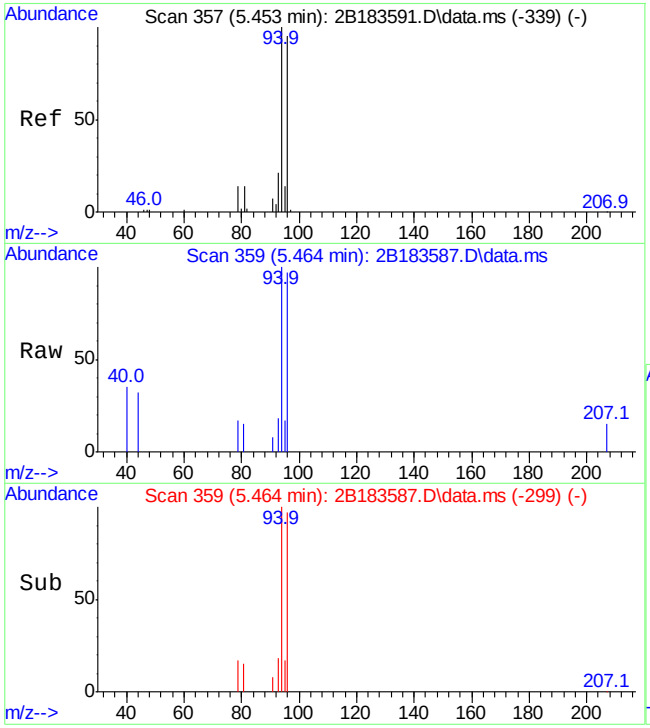


#10
1,3-butadiene
Concen: 2.36 ug/L
RT: 4.840 min Scan# 240
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 54 Resp: 8782

Ion	Ratio	Lower	Upper
54	100		
53	64.4	38.4	98.4
51	29.0	0.0	60.0

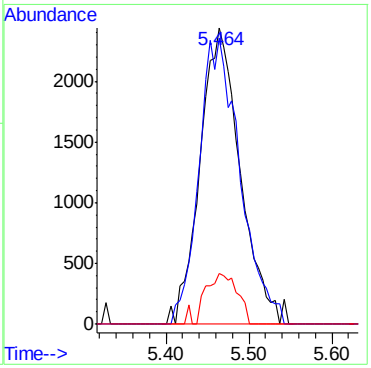


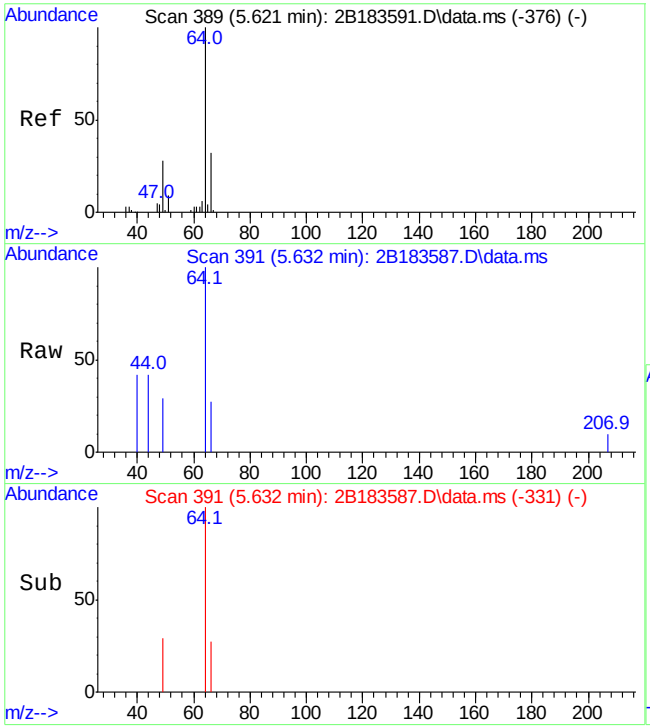


#11
bromomethane
Concen: 2.15 ug/L
RT: 5.464 min Scan# 359
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 94 Resp: 8214

Ion	Ratio	Lower	Upper
94	100		
96	96.7	65.2	125.2
79	17.0	0.0	44.4

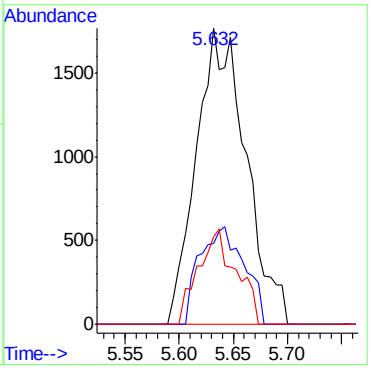


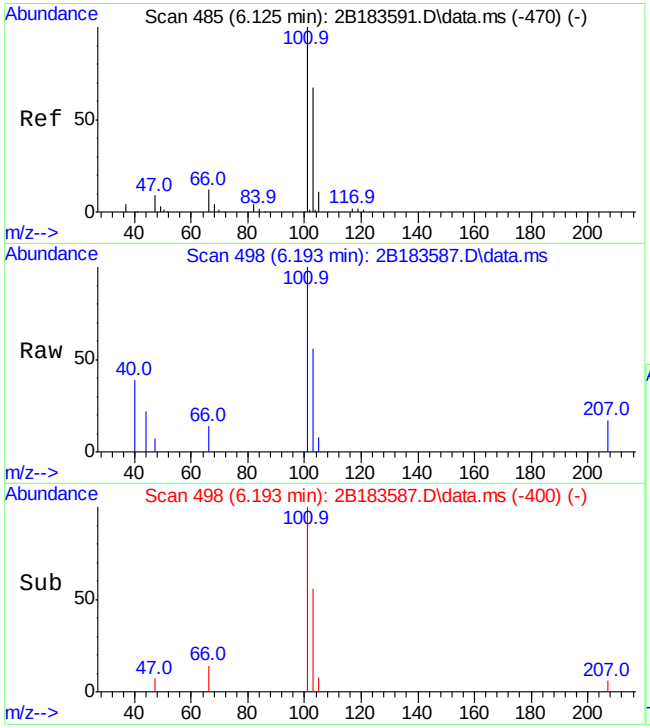


#12
chloroethane
Concen: 2.15 ug/L
RT: 5.632 min Scan# 391
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 64 Resp: 5637

Ion	Ratio	Lower	Upper
64	100		
66	27.3	1.7	61.7
49	29.4	0.0	57.6

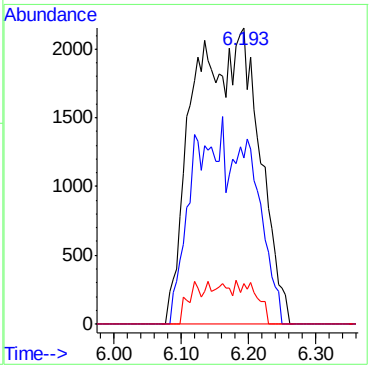


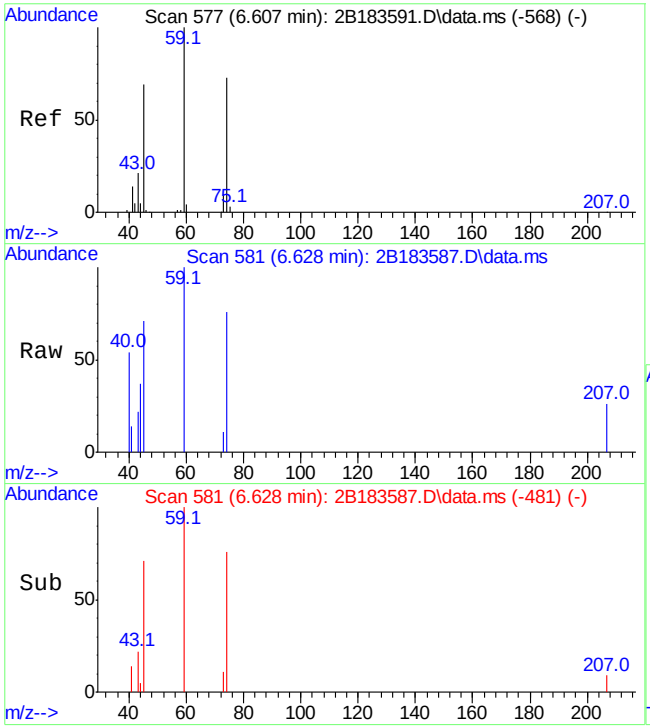


#13
trichlorofluoromethane
Concen: 3.74 ug/L
RT: 6.193 min Scan# 498
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:101 Resp: 14486

Ion	Ratio	Lower	Upper
101	100		
103	56.2	37.3	97.3
66	13.7	0.0	42.3

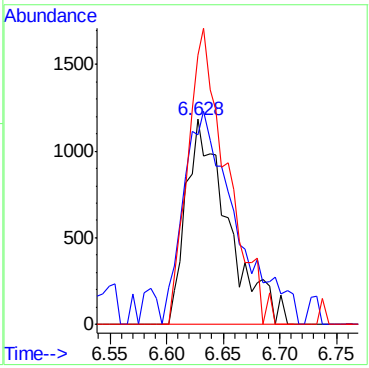


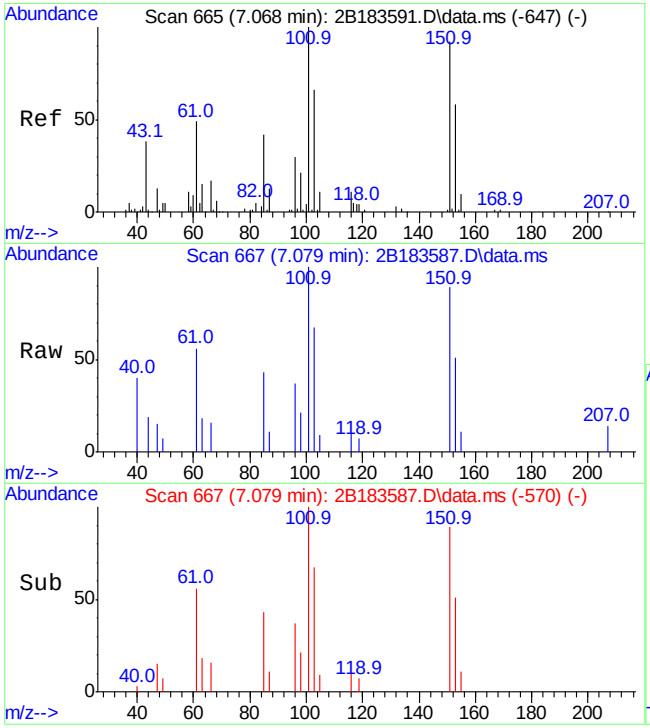


#14
ethyl ether
Concen: 2.12 ug/L
RT: 6.628 min Scan# 581
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 74 Resp: 3076

Ion	Ratio	Lower	Upper
74	100		
45	92.7	69.2	129.2
59	131.4	107.5	167.5

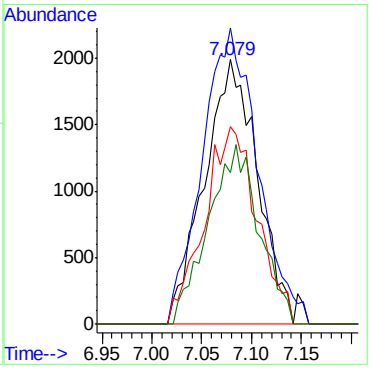


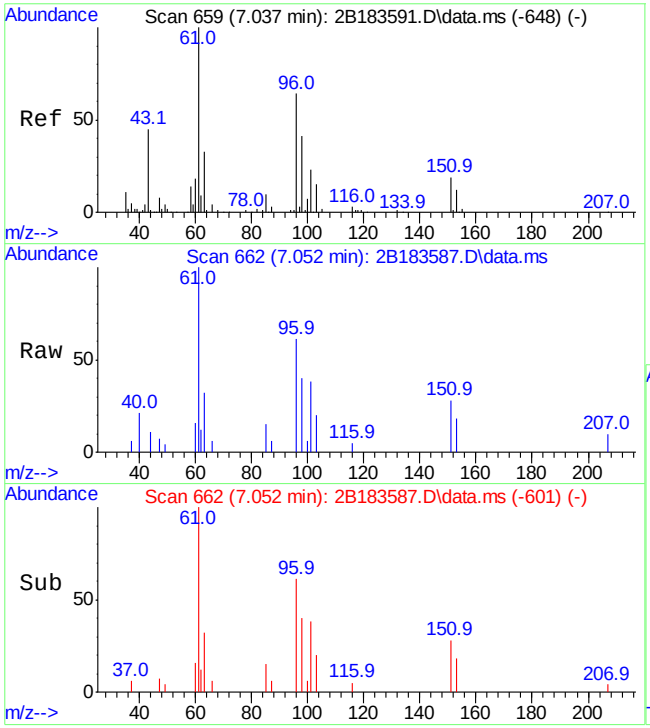


#16
freon 113
Concen: 2.30 ug/L
RT: 7.079 min Scan# 667
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:151 Resp: 7351

Ion	Ratio	Lower	Upper
151	100		
101	112.0	88.6	128.6
103	74.7	52.2	92.2
153	57.4	42.8	82.8

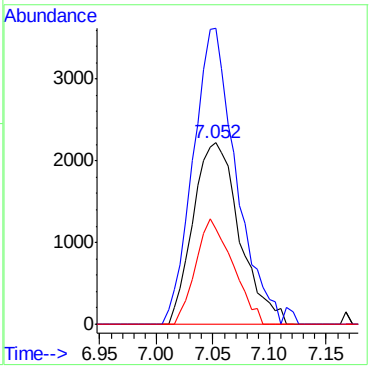


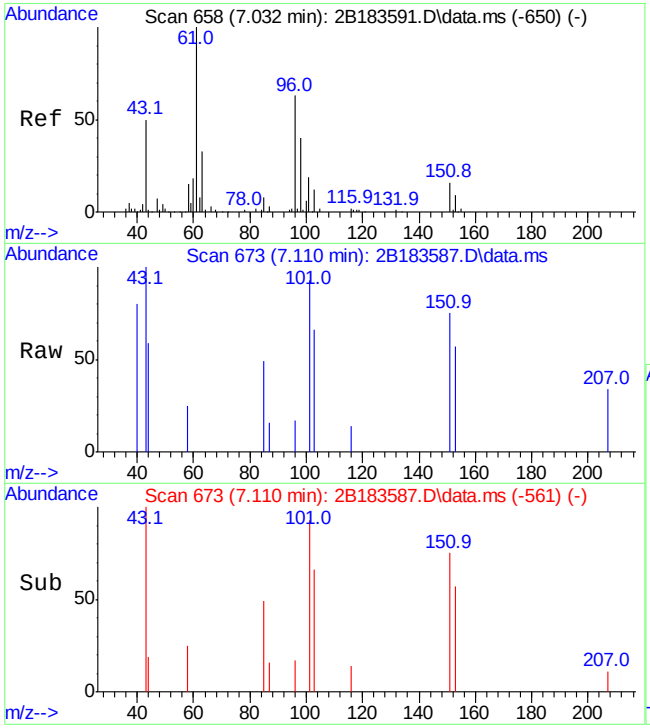


#17
1,1-dichloroethene
Concen: 2.30 ug/L
RT: 7.052 min Scan# 662
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 96 Resp: 6328

Ion	Ratio	Lower	Upper
96	100		
61	163.0	127.2	187.2
63	52.4	21.7	81.7

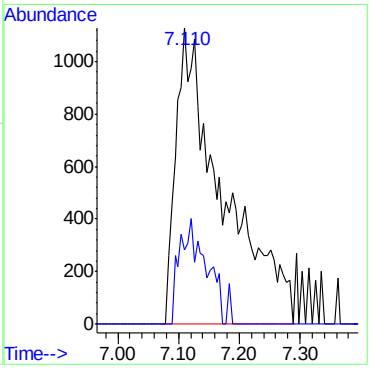


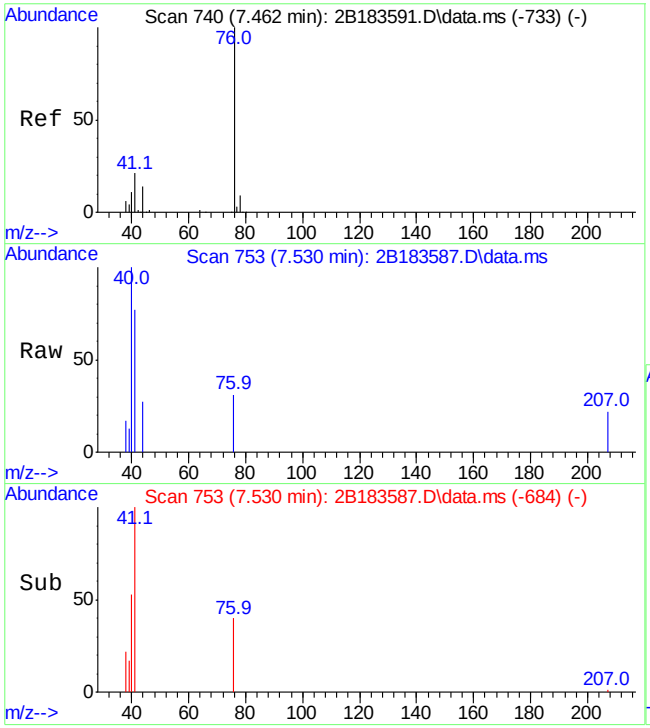


#18
acetone
Concen: 9.84 ug/L
RT: 7.110 min Scan# 673
Delta R.T. 0.089 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 43 Resp: 6004

Ion	Ratio	Lower	Upper
43	100		
58	24.9	0.0	59.5

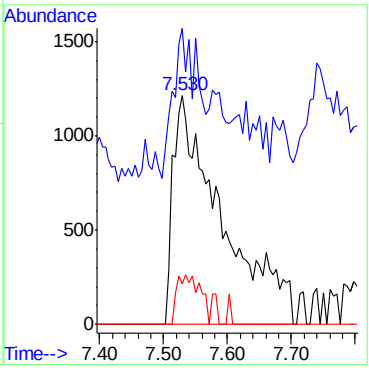


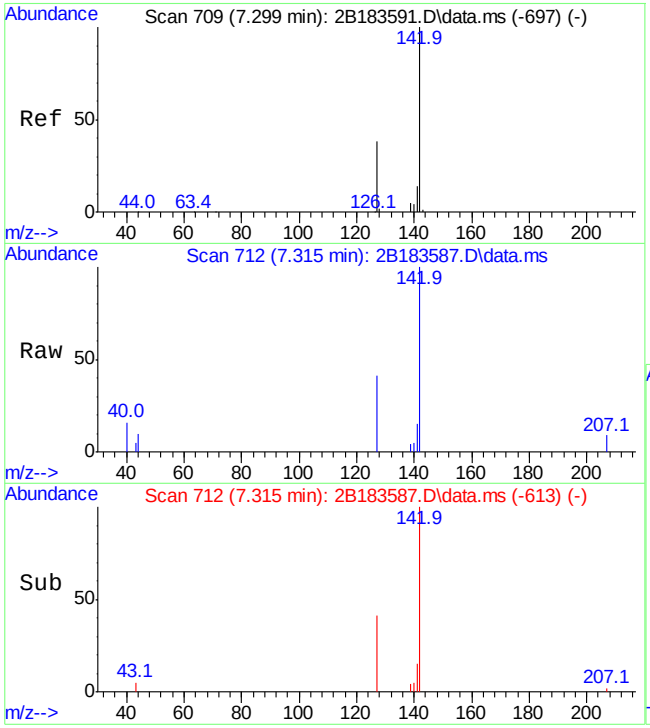


#19
acetonitrile
Concen: 26.41 ug/L
RT: 7.530 min Scan# 753
Delta R.T. 0.084 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 41 Resp: 6375

Ion	Ratio	Lower	Upper
41	100		
40	65.4	21.2	81.2
39	17.4	0.0	51.1

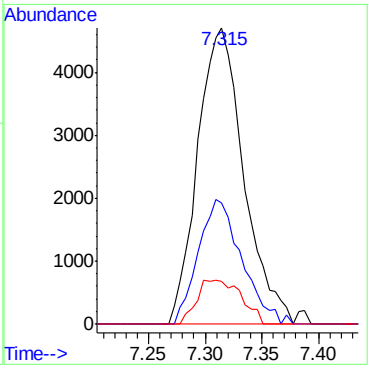


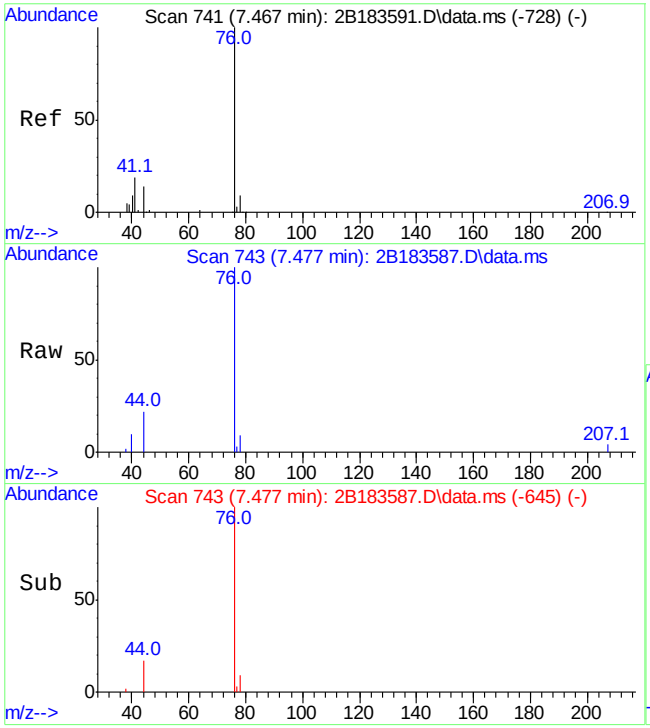


#20
iodomethane
Concen: 2.23 ug/L
RT: 7.315 min Scan# 712
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:142 Resp: 13292

Ion	Ratio	Lower	Upper
142	100		
127	40.9	8.2	68.2
141	14.6	0.0	43.6

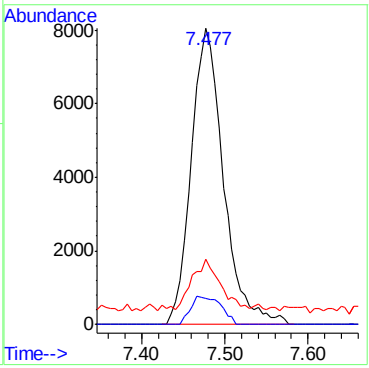


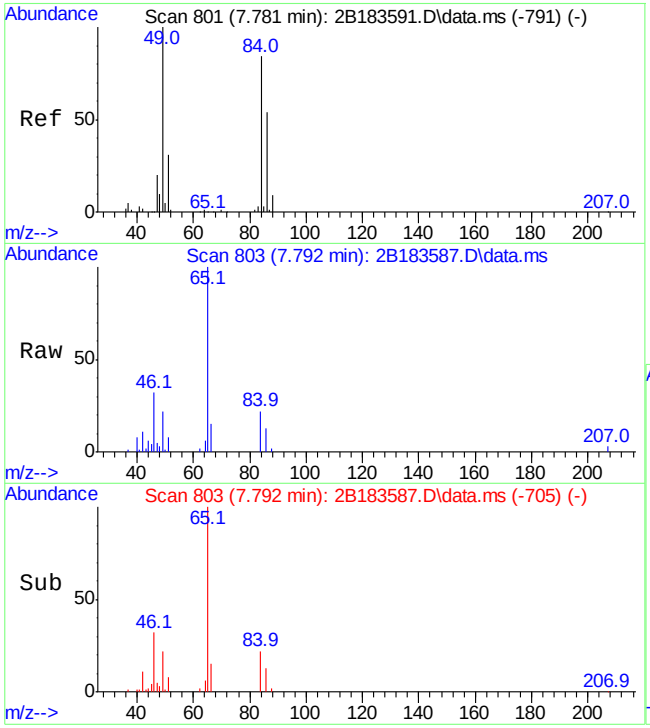


#21
carbon disulfide
Concen: 2.36 ug/L
RT: 7.477 min Scan# 743
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 76 Resp: 21610

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	39.2
44	16.2	0.0	44.1

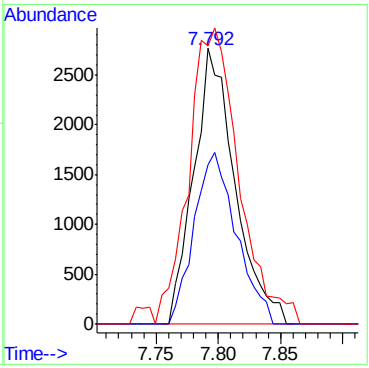


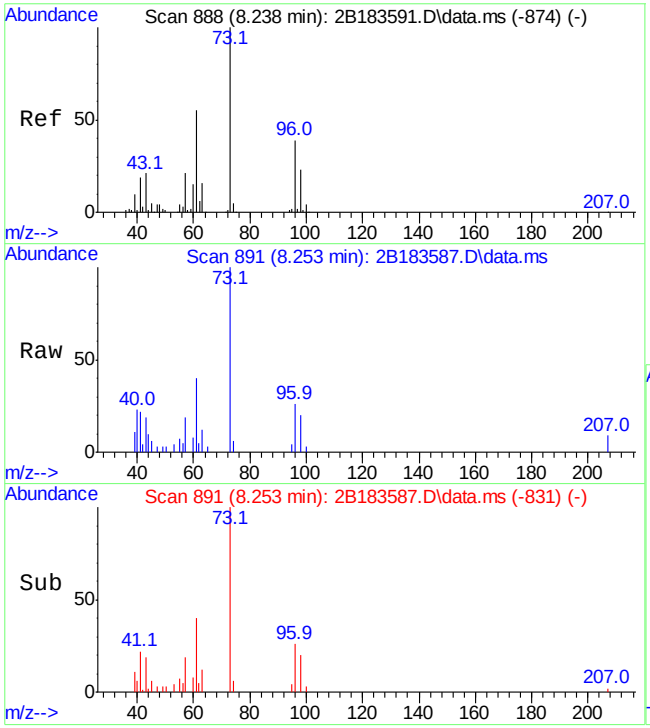


#22
methylene chloride
Concen: 2.17 ug/L
RT: 7.792 min Scan# 803
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 84 Resp: 6393

Ion	Ratio	Lower	Upper
84	100		
86	57.8	34.1	94.1
49	92.9	88.6	148.6

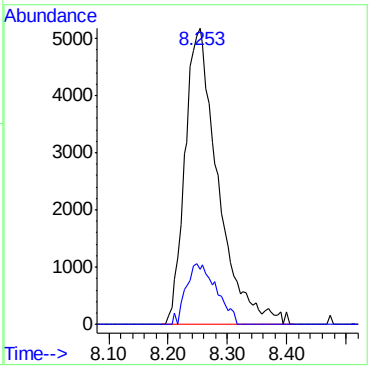


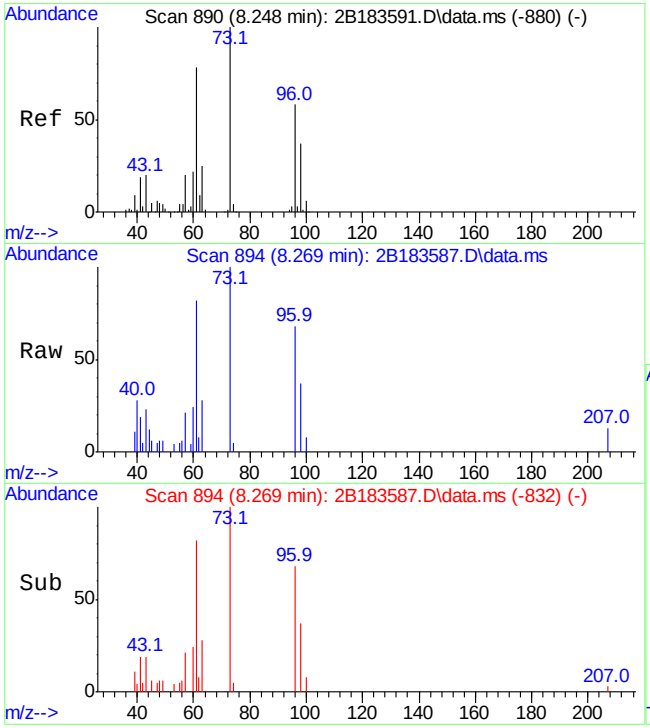


#24
methyl tert butyl ether
Concen: 2.41 ug/L
RT: 8.253 min Scan# 891
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 73 Resp: 20007

Ion	Ratio	Lower	Upper
73	100		
57	18.7	0.0	220.5

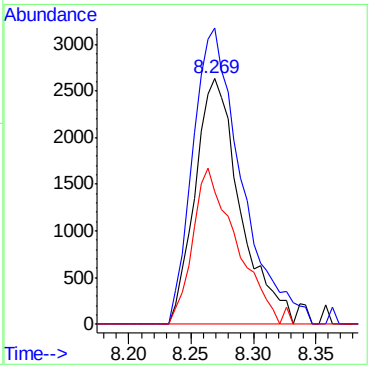


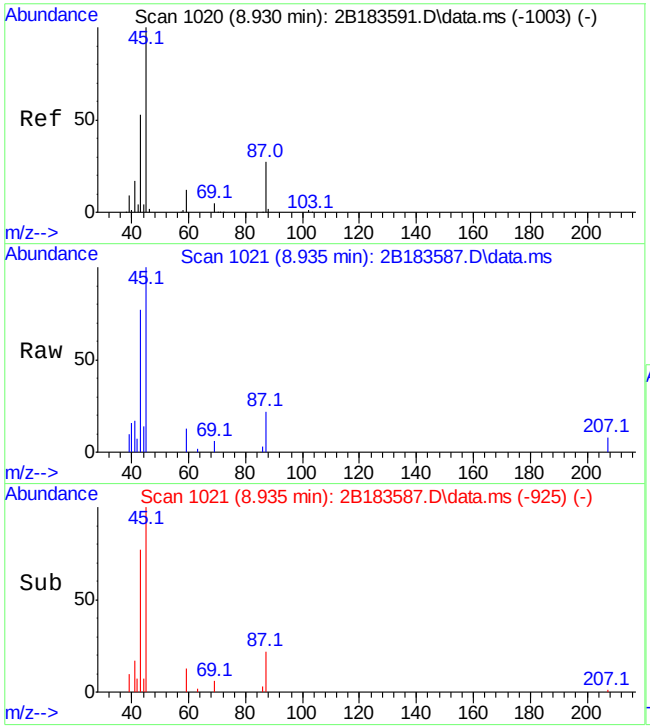


#25
trans-1,2-dichloroethene
Concen: 2.30 ug/L
RT: 8.269 min Scan# 894
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 96 Resp: 6624

Ion	Ratio	Lower	Upper
96	100		
61	120.4	103.8	163.8
98	54.0	34.0	94.0

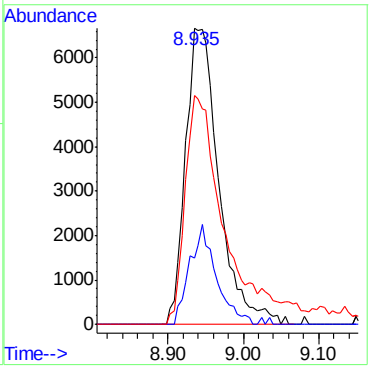


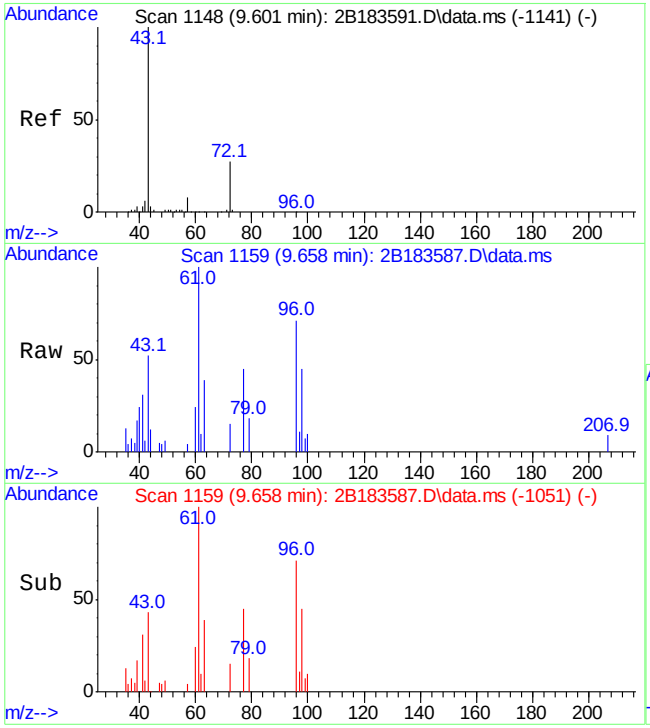


#26
di-isopropyl ether
Concen: 2.27 ug/L
RT: 8.935 min Scan# 1021
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 45 Resp: 20452

Ion	Ratio	Lower	Upper
45	100		
87	22.5	0.0	58.0
43	77.3	23.4	83.4

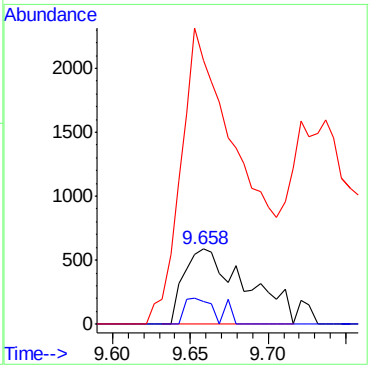


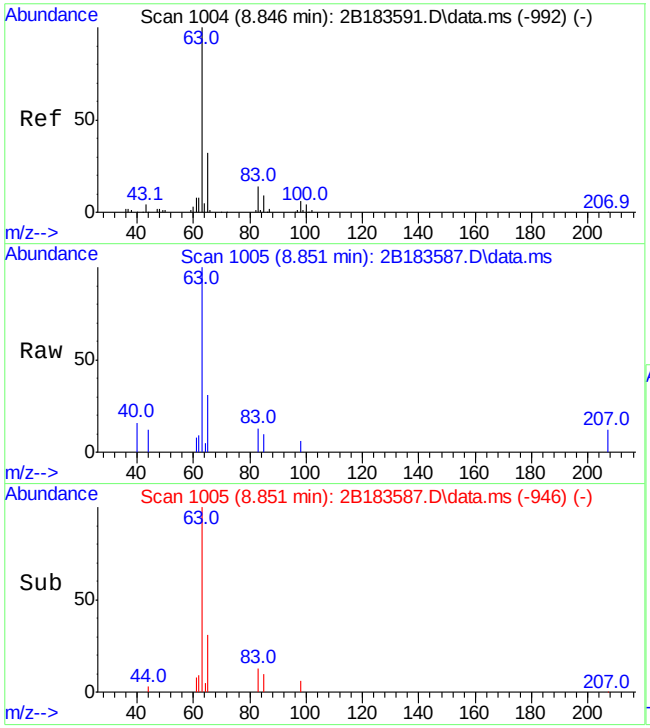


#27
2-butanone
Concen: 8.46 ug/L
RT: 9.658 min Scan# 1159
Delta R.T. 0.068 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 72 Resp: 1625

Ion	Ratio	Lower	Upper
72	100		
57	29.6	0.0	59.8
43	317.7	334.2	394.2#

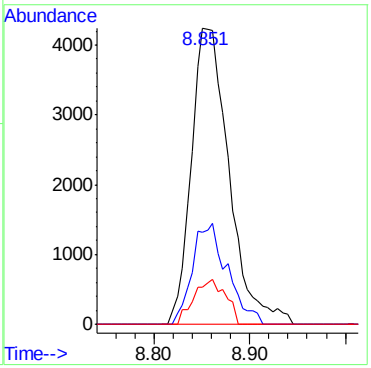


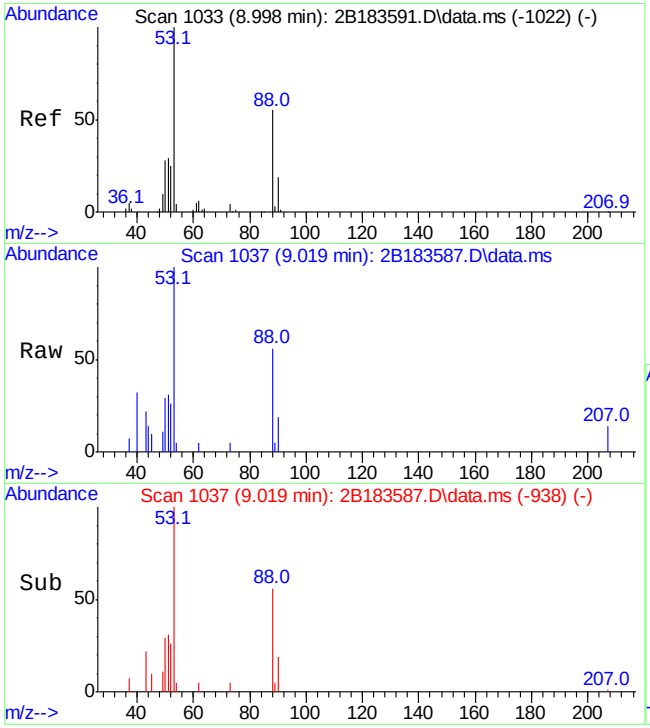


#28
1,1-dichloroethane
Concen: 2.31 ug/L
RT: 8.851 min Scan# 1005
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 63 Resp: 11602

Ion	Ratio	Lower	Upper
63	100		
65	31.1	2.1	62.1
83	12.7	0.0	44.4

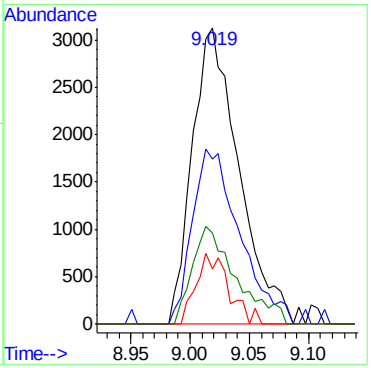


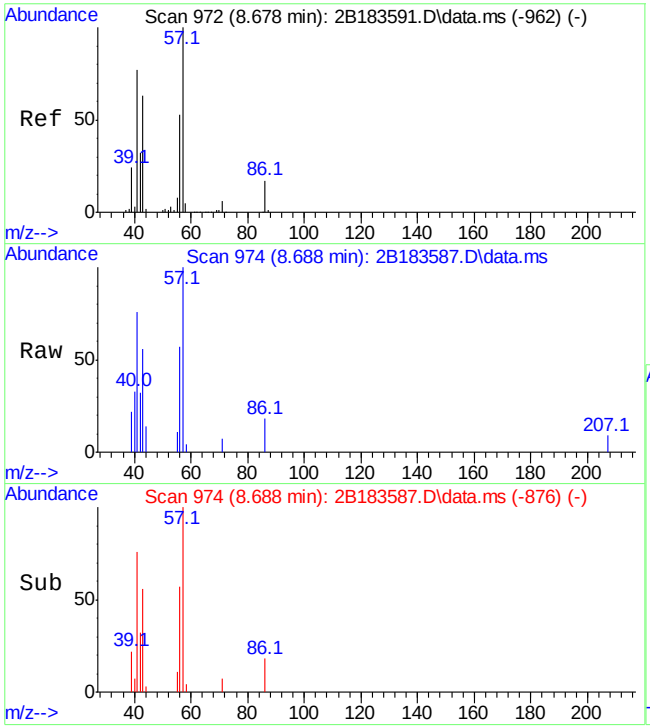


#29
chloroprene
Concen: 2.32 ug/L
RT: 9.019 min Scan# 1037
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 53 Resp: 8554

Ion	Ratio	Lower	Upper
53	100		
88	55.6	27.4	87.4
90	18.7	0.0	48.9
51	30.6	0.0	59.1

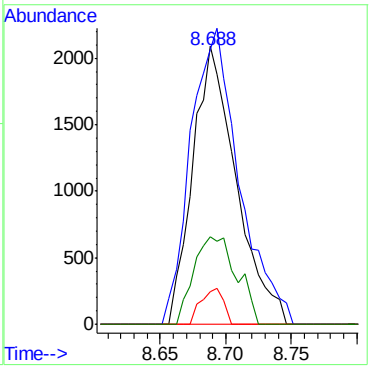


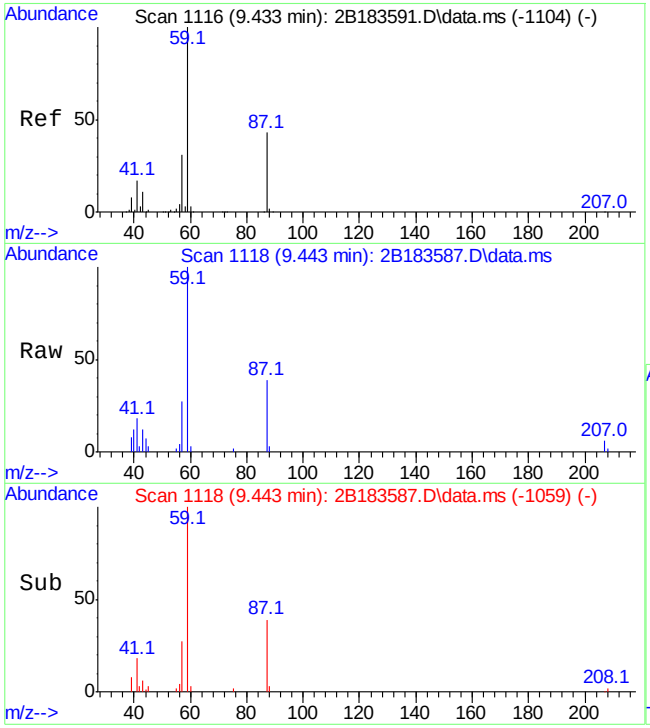


#31
hexane
Concen: 2.24 ug/L
RT: 8.688 min Scan# 974
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 56 Resp: 4838

Ion	Ratio	Lower	Upper
56	100		
43	98.8	99.4	139.4#
71	11.8	0.0	31.0
86	31.6	12.3	52.3

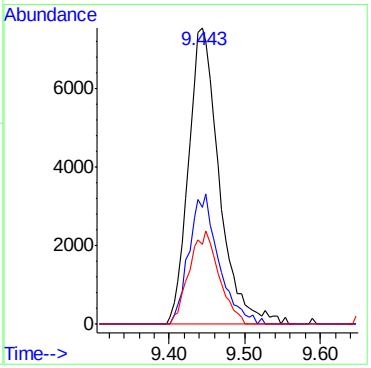


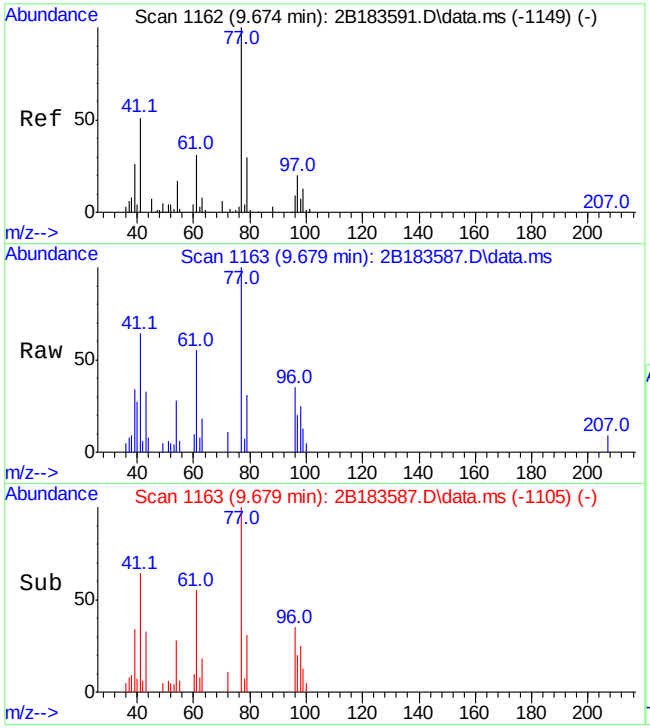


#33
ethyl tert-butyl ether
Concen: 2.18 ug/L
RT: 9.443 min Scan# 1118
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 59 Resp: 21362

Ion	Ratio	Lower	Upper
59	100		
87	39.3	12.7	72.7
57	26.8	0.9	60.9

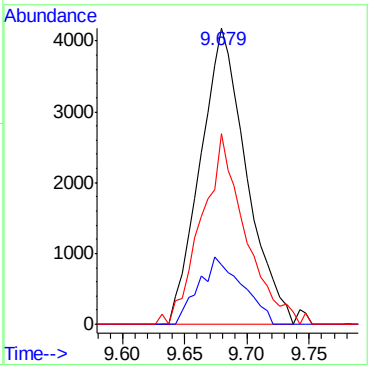


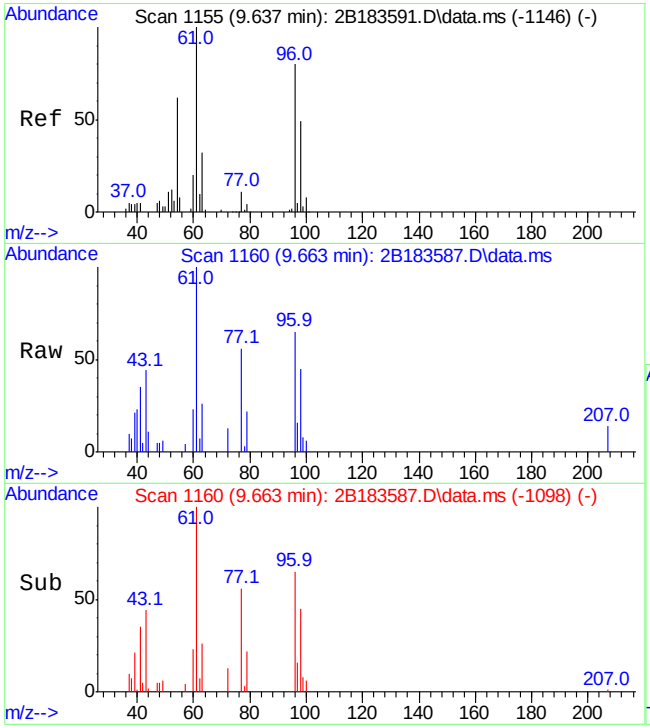


#35
2,2-dichloropropane
Concen: 2.27 ug/L
RT: 9.679 min Scan# 1163
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 77 Resp: 10729

Ion	Ratio	Lower	Upper
77	100		
97	20.0	0.0	50.3
41	60.8	21.9	81.9

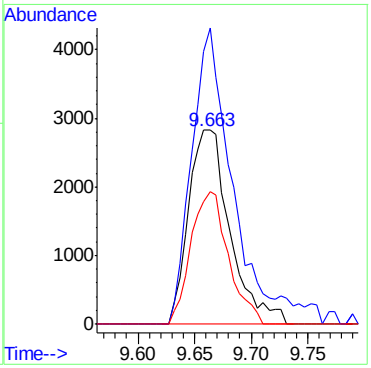


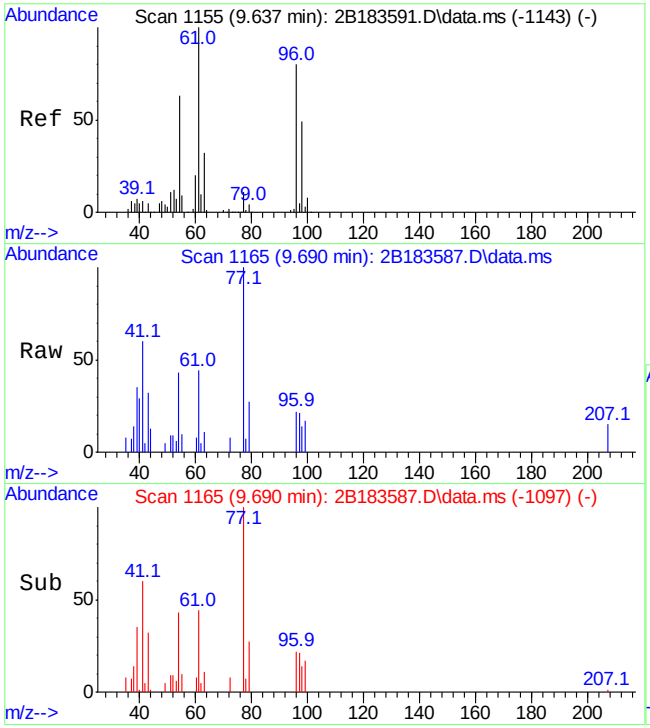


#36
cis-1,2-dichloroethene
Concen: 2.27 ug/L
RT: 9.663 min Scan# 1160
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 96 Resp: 7163

Ion	Ratio	Lower	Upper
96	100		
61	152.7	95.1	155.1
98	68.2	31.7	91.7

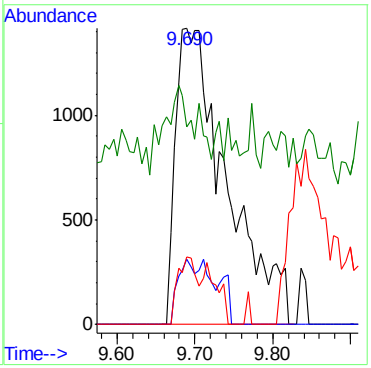


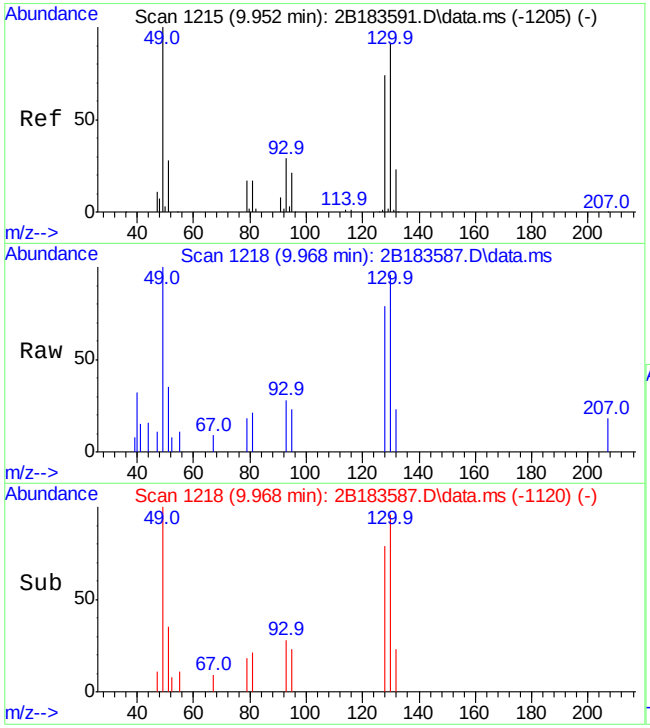


#38
propionitrile
Concen: 23.71 ug/L
RT: 9.690 min Scan# 1165
Delta R.T. 0.058 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 54 Resp: 6432

Ion	Ratio	Lower	Upper
54	100		
52	22.1	0.0	49.6
55	22.6	0.0	44.7
40	3.6	0.0	37.8

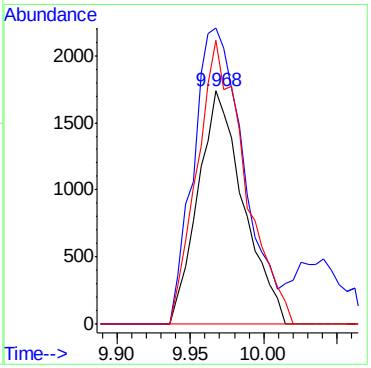


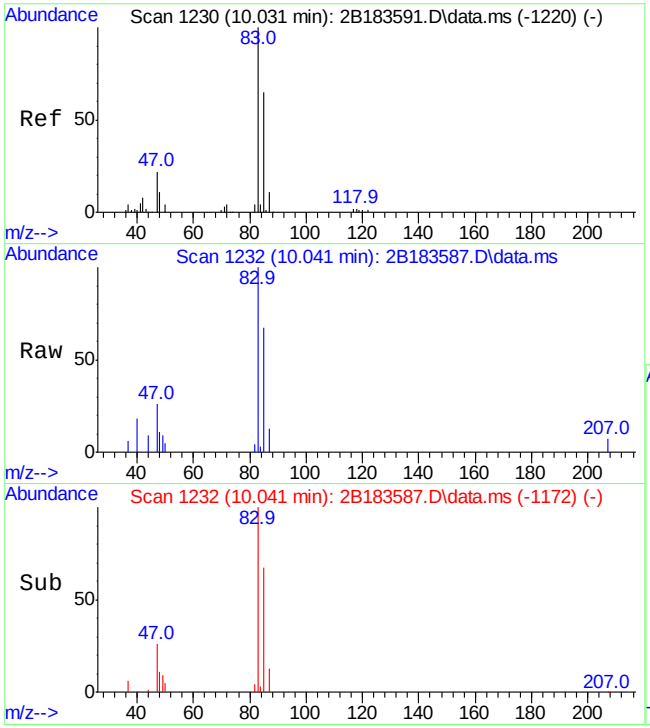


#39
bromochloromethane
Concen: 2.18 ug/L
RT: 9.968 min Scan# 1218
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:128 Resp: 3751

Ion	Ratio	Lower	Upper
128	100		
49	127.0	105.9	165.9
130	121.8	93.4	153.4

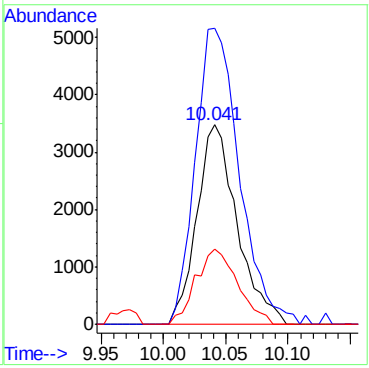


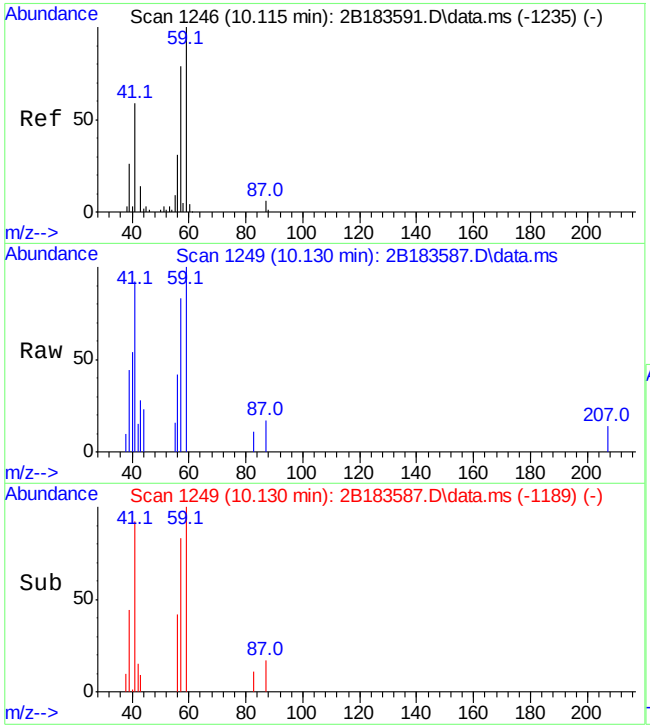


#41
chloroform
Concen: 2.14 ug/L
RT: 10.041 min Scan# 1232
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 85 Resp: 7820

Ion	Ratio	Lower	Upper
85	100		
83	148.5	123.5	183.5
47	38.0	6.5	66.5

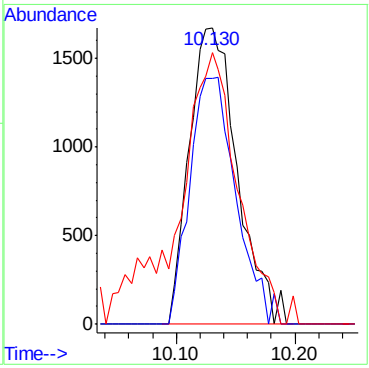


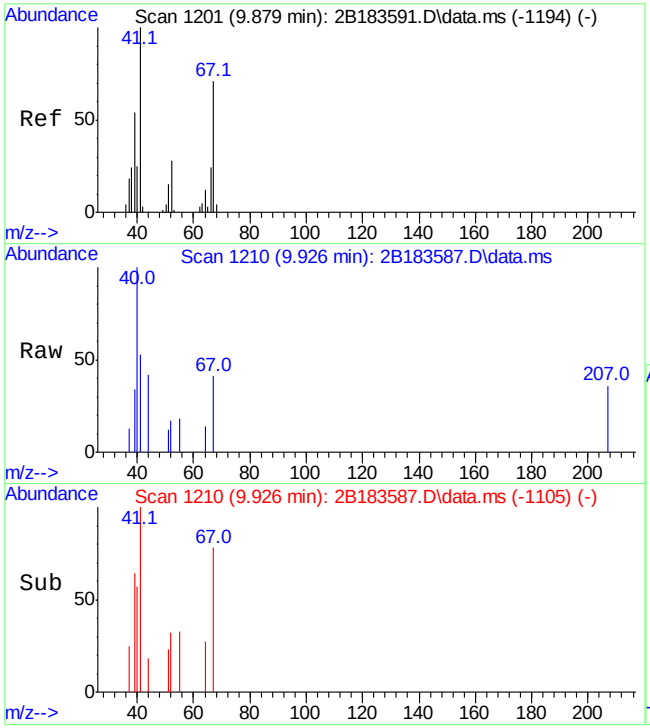


#42
t-butyl formate
Concen: 2.08 ug/L
RT: 10.130 min Scan# 1249
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 59 Resp: 4693

Ion	Ratio	Lower	Upper
59	100		
57	82.9	48.9	108.9
41	82.4	39.0	99.0

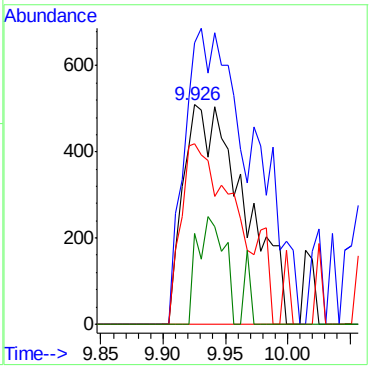


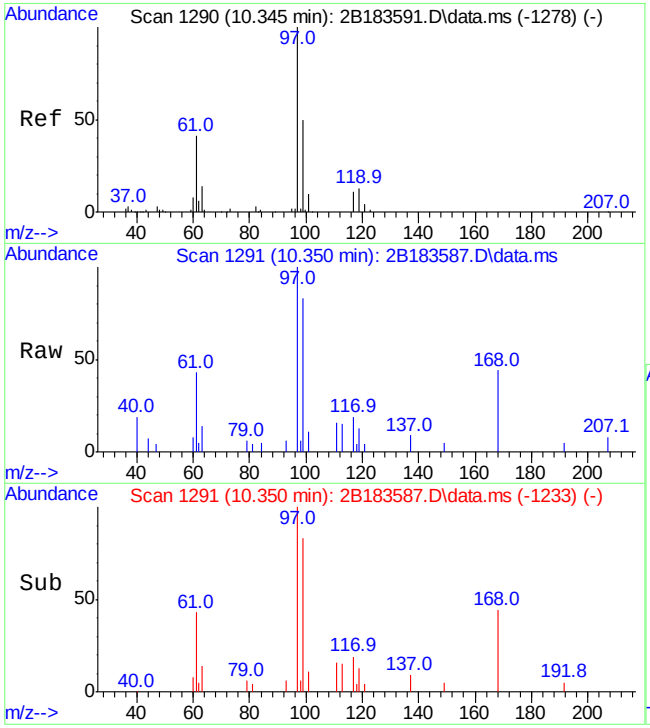


#44
methacrylonitrile
Concen: 1.87 ug/L
RT: 9.926 min Scan# 1210
Delta R.T. 0.052 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 67 Resp: 1732

Ion	Ratio	Lower	Upper
67	100		
41	128.5	110.7	170.7
39	82.5	46.4	106.4
52	41.5	9.9	69.9

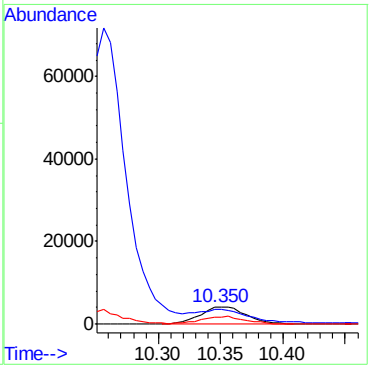


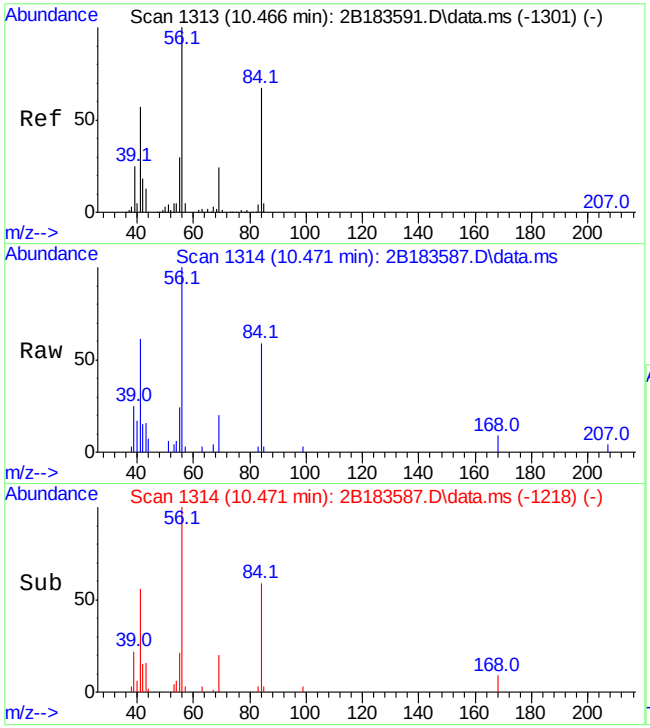


#45
1,1,1-trichloroethane
Concen: 2.22 ug/L
RT: 10.350 min Scan# 1291
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 97 Resp: 10519

Ion	Ratio	Lower	Upper
97	100		
99	69.2	35.8	95.8
61	43.0	12.1	72.1

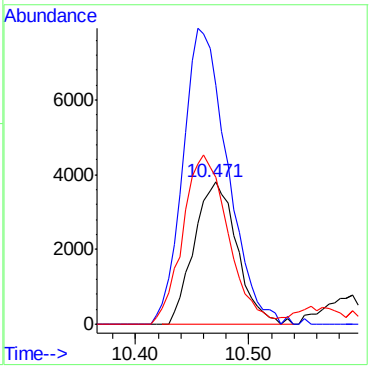


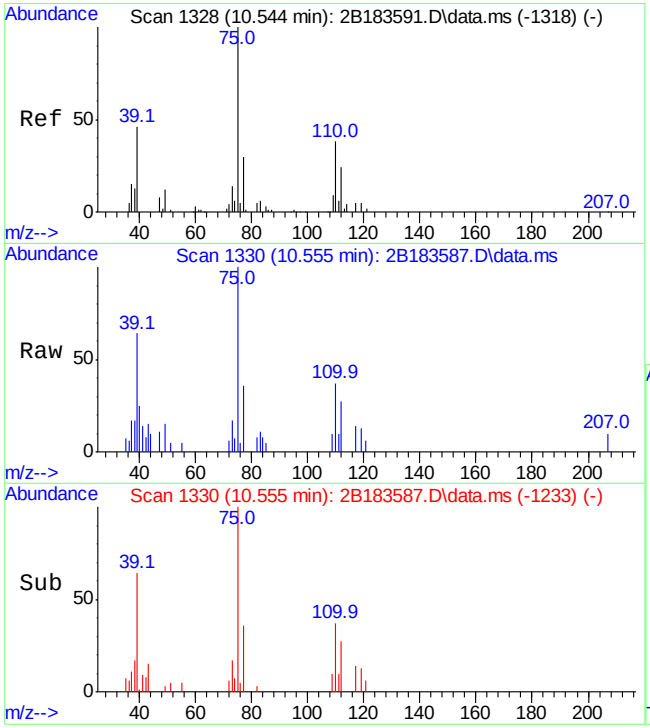


#46
cyclohexane
Concen: 2.29 ug/L
RT: 10.471 min Scan# 1314
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 84 Resp: 9981

Ion	Ratio	Lower	Upper
84	100		
56	168.5	130.0	170.0
41	95.3	65.8	105.8

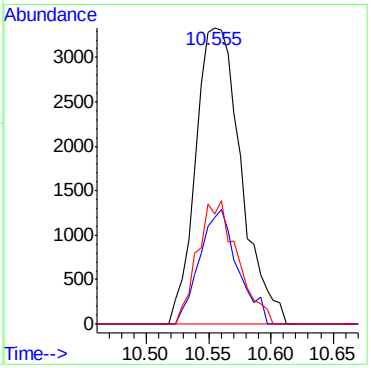


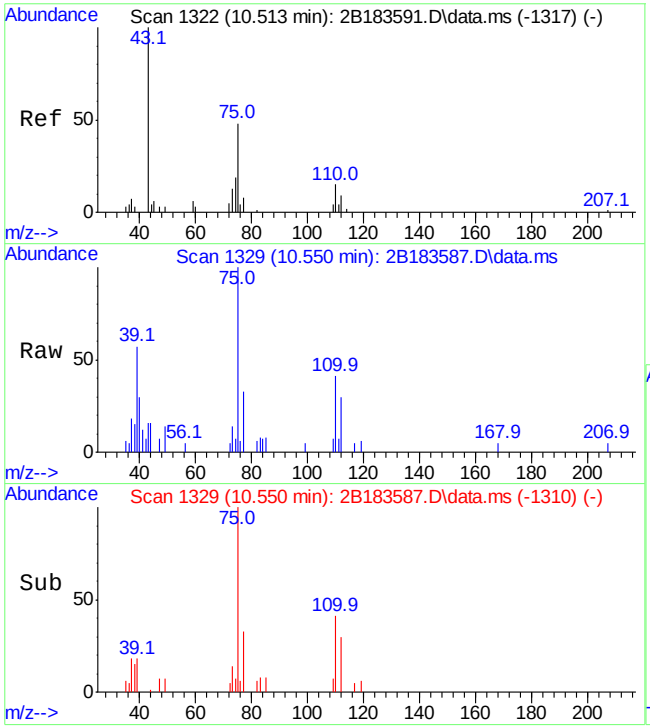


#47
1,1-dichloropropene
Concen: 2.31 ug/L
RT: 10.555 min Scan# 1330
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 75 Resp: 8401

Ion	Ratio	Lower	Upper
75	100		
77	36.0	10.5	50.5
110	37.2	17.9	57.9

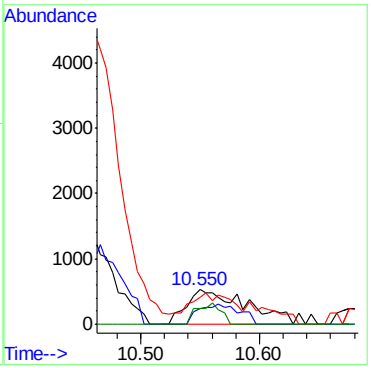


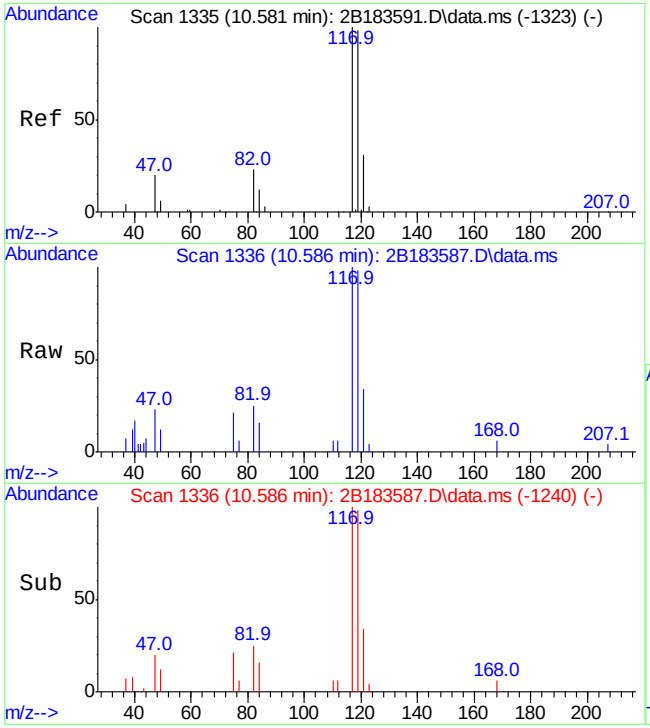


#48
iso-butyl alcohol
Concen: 23.69 ug/L
RT: 10.550 min Scan# 1329
Delta R.T. 0.047 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 43 Resp: 1850

Ion	Ratio	Lower	Upper
43	100		
42	45.3	36.5	96.5
41	45.7	64.7	124.7#
74	45.5	0.0	42.8#

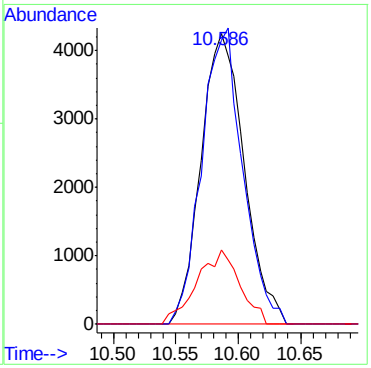


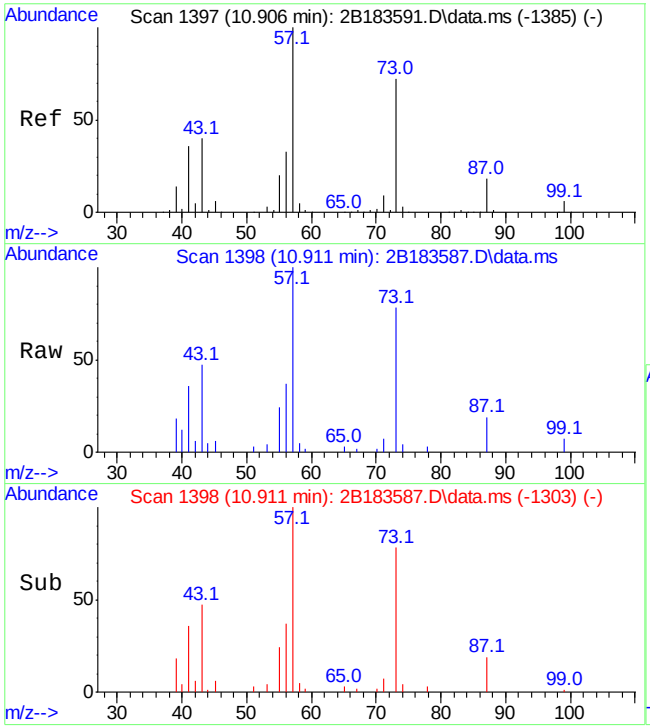


#49
carbon tetrachloride
Concen: 2.31 ug/L
RT: 10.586 min Scan# 1336
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:117 Resp: 10271

Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.7	117.7
82	25.5	3.1	43.1

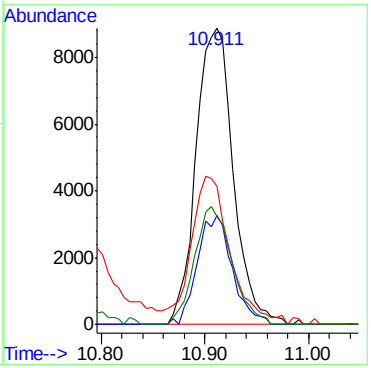


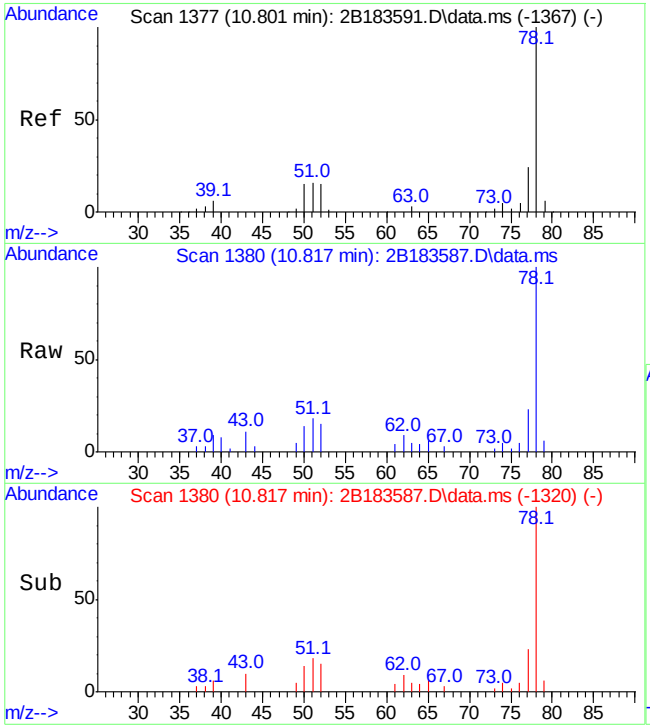


#54
2,2,4-trimethylpentane
Concen: 2.33 ug/L
RT: 10.911 min Scan# 1398
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 57 Resp: 22107

Ion	Ratio	Lower	Upper
57	100		
56	36.6	3.5	63.5
43	44.4	10.7	70.7
41	36.3	5.5	65.5

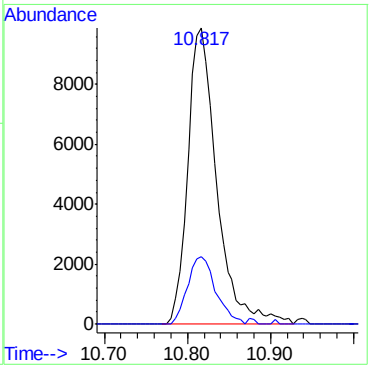


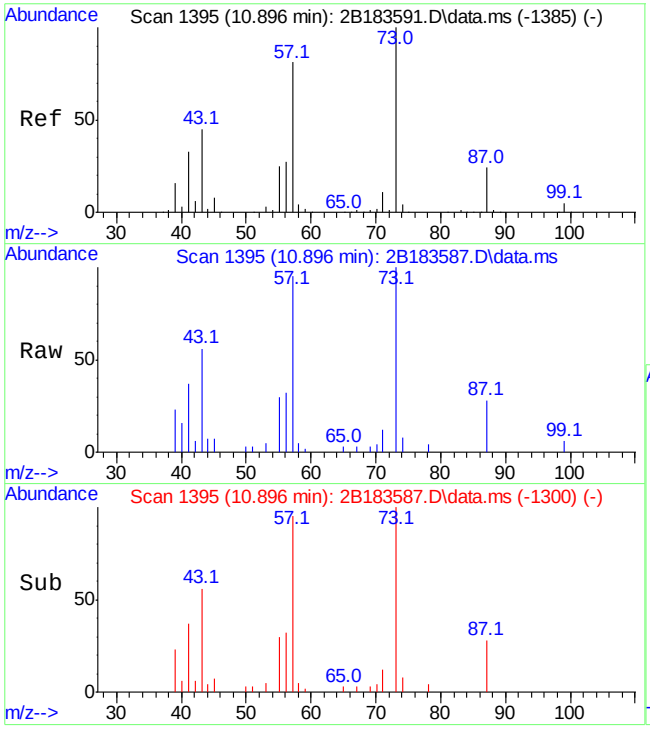


#55
benzene
Concen: 2.29 ug/L
RT: 10.817 min Scan# 1380
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 78 Resp: 23934

Ion	Ratio	Lower	Upper
78	100		
77	22.9	0.0	53.9

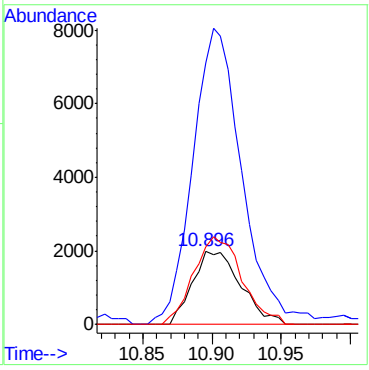


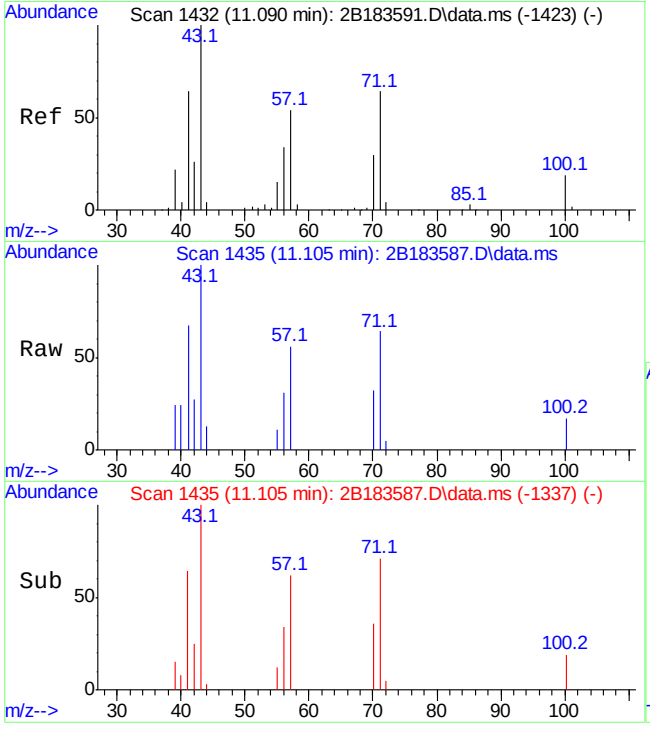


#56
tert-amyl methyl ether
Concen: 2.20 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 87 Resp: 4822

Ion	Ratio	Lower	Upper
87	100		
73	341.6	377.9	437.9#
55	105.2	73.1	133.1

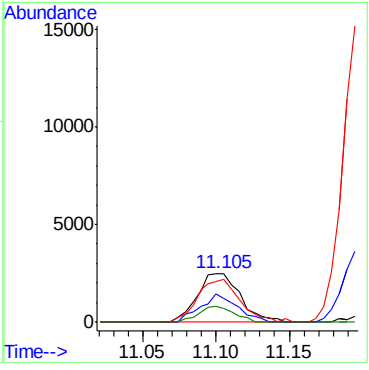


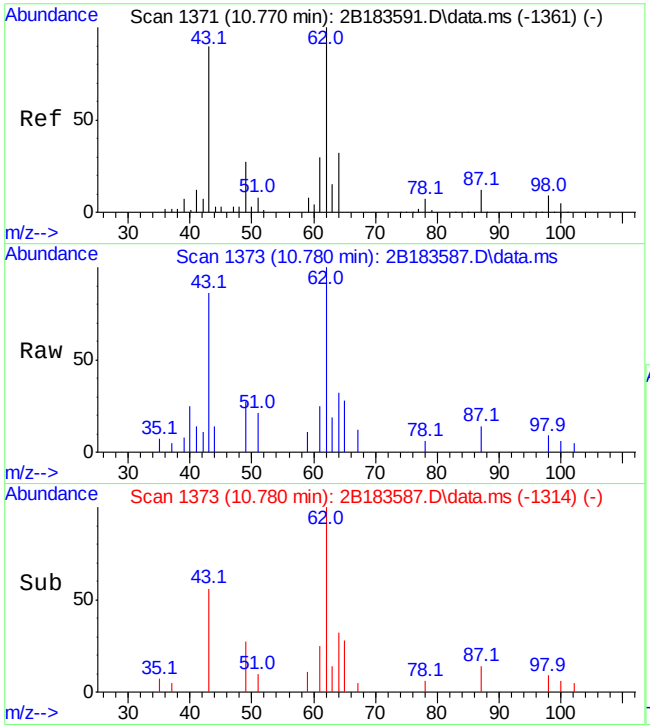


#57
heptane
Concen: 2.24 ug/L
RT: 11.105 min Scan# 1435
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 71 Resp: 5020

Ion	Ratio	Lower	Upper
71	100		
56	48.6	23.2	83.2
57	87.9	54.9	114.9
100	27.4	0.0	59.2

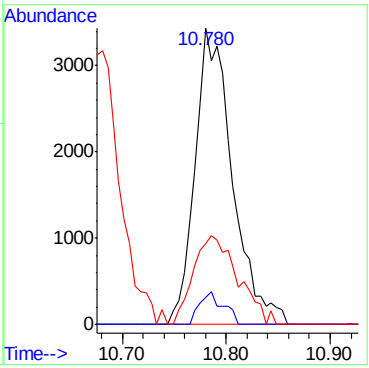


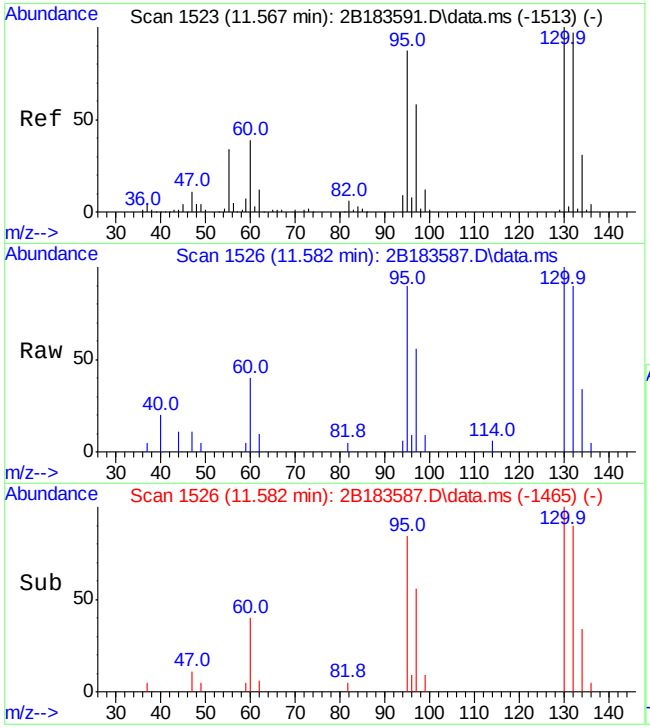


#59
1,2-dichloroethane
Concen: 2.16 ug/L
RT: 10.780 min Scan# 1373
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 62 Resp: 8582

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	39.0
49	27.5	0.0	56.5

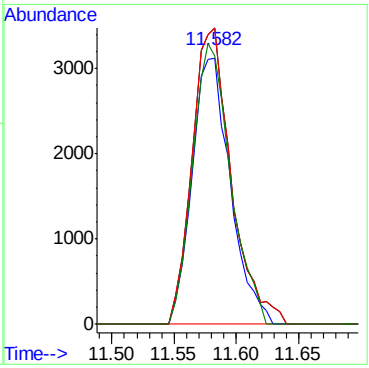


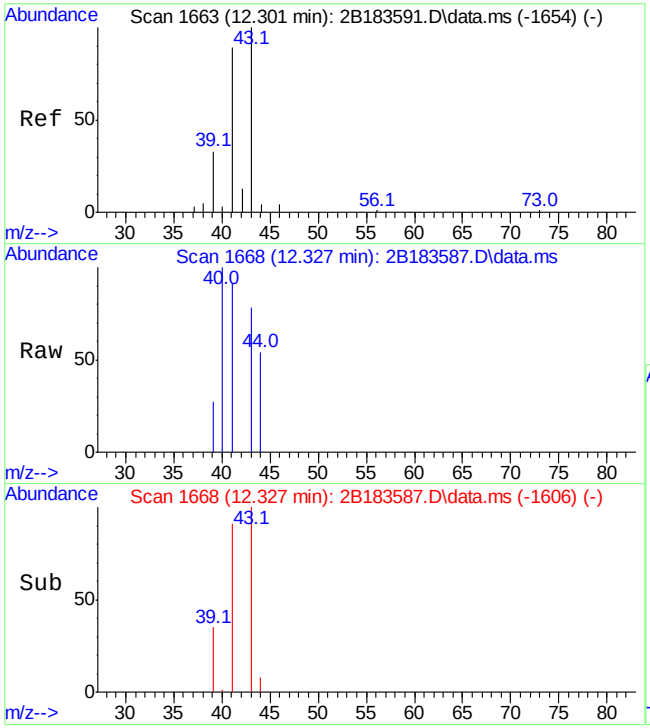


#60
trichloroethene
Concen: 2.33 ug/L
RT: 11.582 min Scan# 1526
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:130 Resp: 7586

Ion	Ratio	Lower	Upper
130	100		
95	90.0	56.8	116.8
130	100.0	70.0	130.0
132	90.5	67.2	127.2

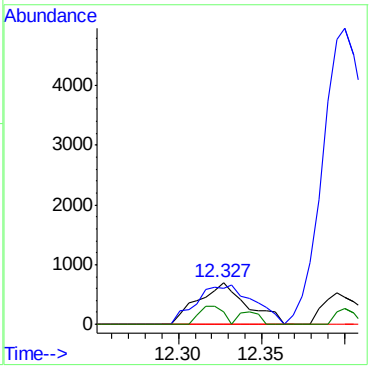


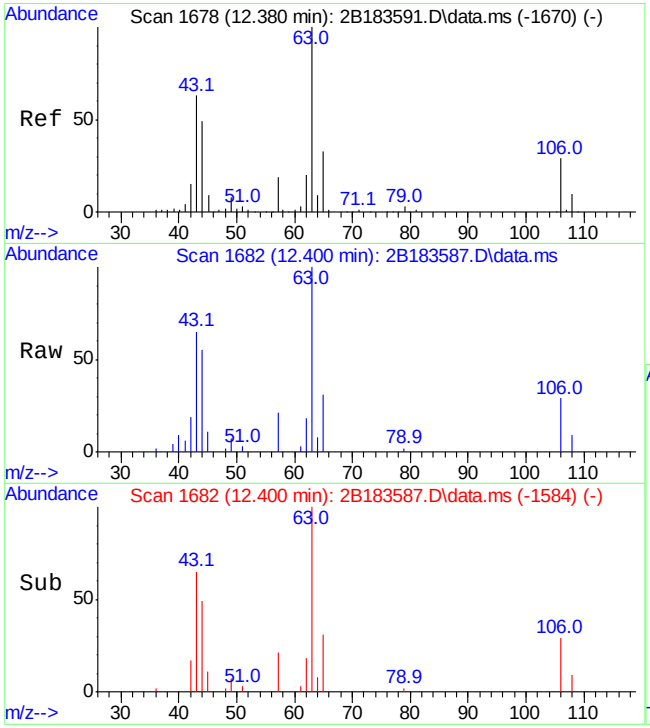


#62
2-nitropropane
Concen: 2.00 ug/L
RT: 12.327 min Scan# 1668
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 41 Resp: 1417

Ion	Ratio	Lower	Upper
41	100		
43	84.8	92.9	132.9#
46	0.0	0.0	24.8
39	29.8	17.1	57.1

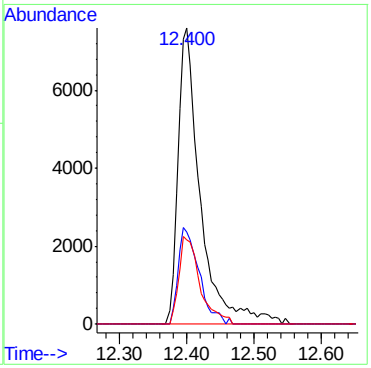


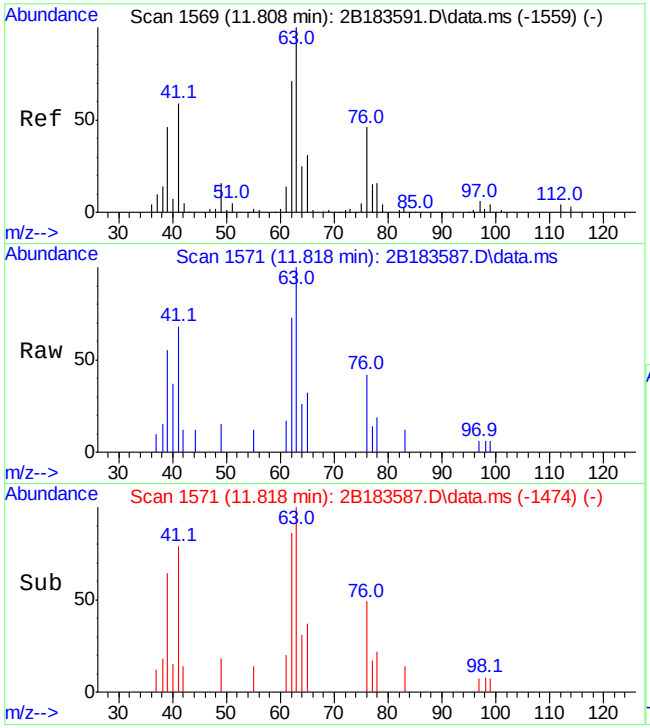


#63
2-chloroethyl vinyl ether
Concen: 11.07 ug/L
RT: 12.400 min Scan# 1682
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 63 Resp: 17507

Ion	Ratio	Lower	Upper
63	100		
65	31.0	2.7	62.7
106	28.6	0.0	59.0

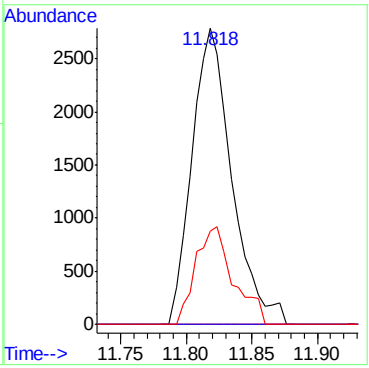


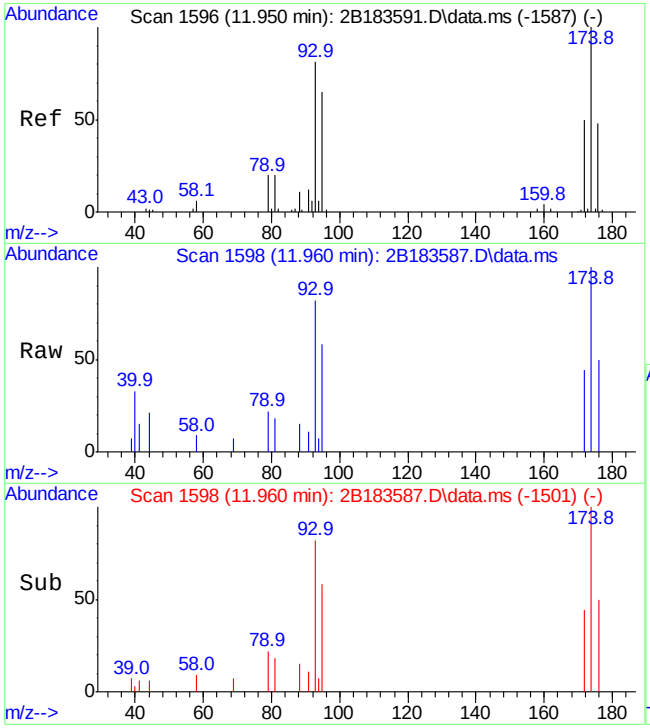


#65
1,2-dichloropropane
Concen: 2.23 ug/L
RT: 11.818 min Scan# 1571
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 63 Resp: 5908

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.9
65	31.6	1.3	61.3

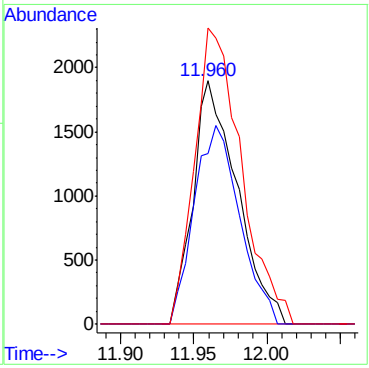


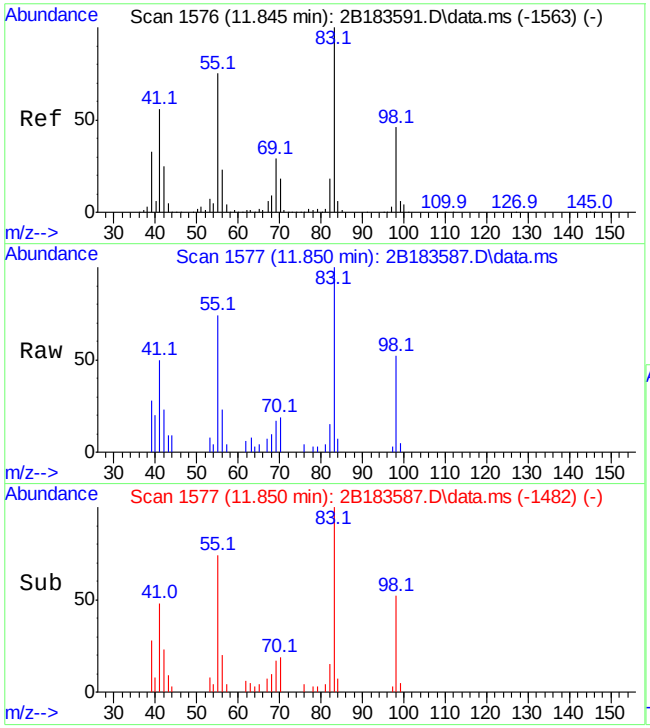


#66
dibromomethane
Concen: 2.18 ug/L
RT: 11.960 min Scan# 1598
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 93 Resp: 3982

Ion	Ratio	Lower	Upper
93	100		
95	70.4	50.5	110.5
174	121.8	94.1	154.1

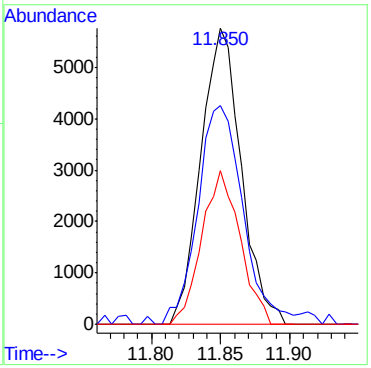


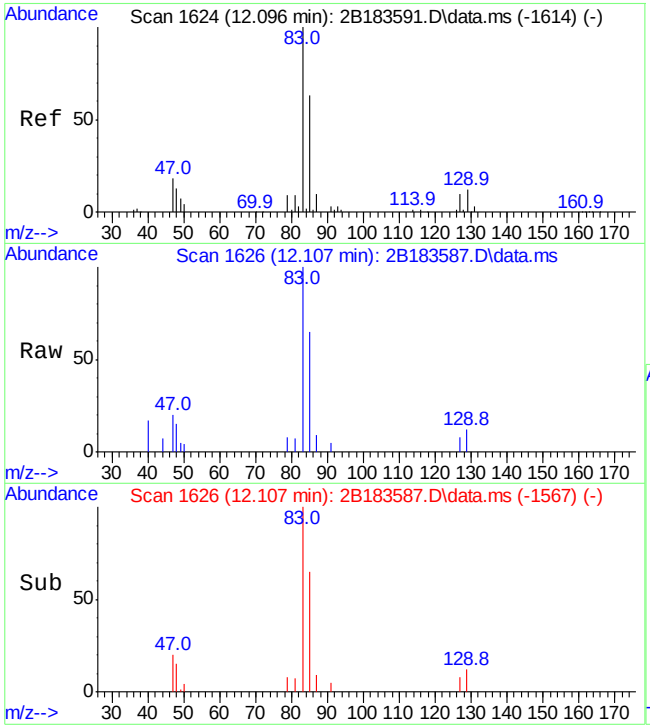


#67
methylcyclohexane
Concen: 2.30 ug/L
RT: 11.850 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 83 Resp: 11717

Ion	Ratio	Lower	Upper
83	100		
55	73.8	45.5	105.5
98	52.0	15.7	75.7

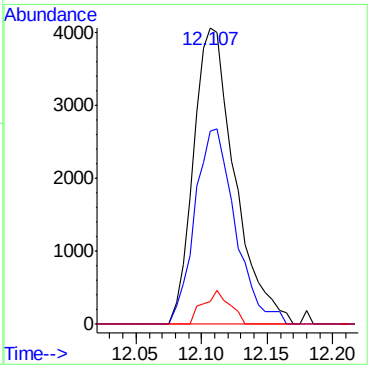


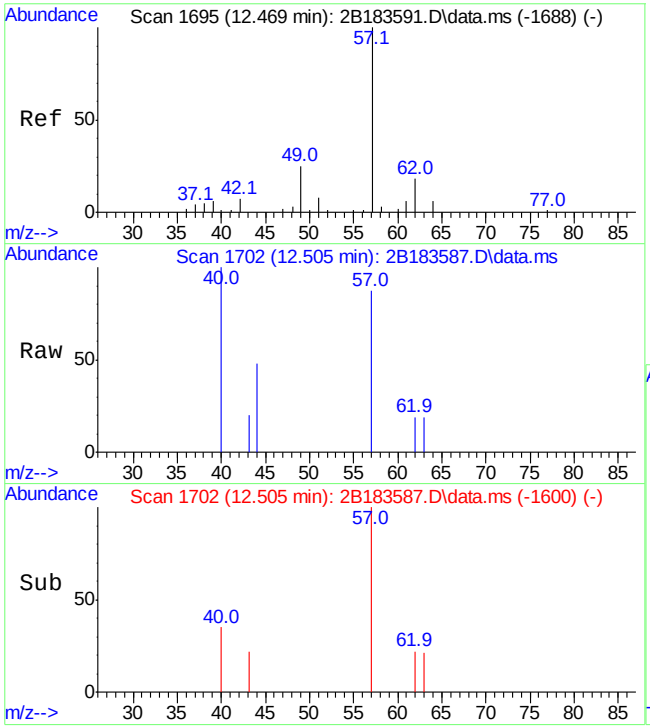


#68
bromodichloromethane
Concen: 2.22 ug/L
RT: 12.107 min Scan# 1626
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 83 Resp: 8911

Ion	Ratio	Lower	Upper
83	100		
85	65.2	33.2	93.2
127	7.8	0.0	39.5

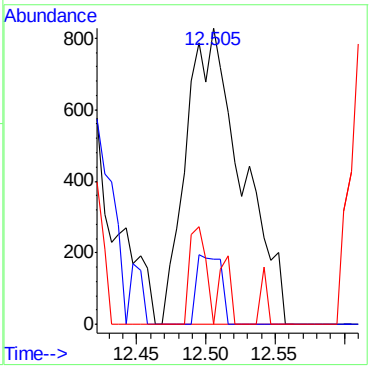


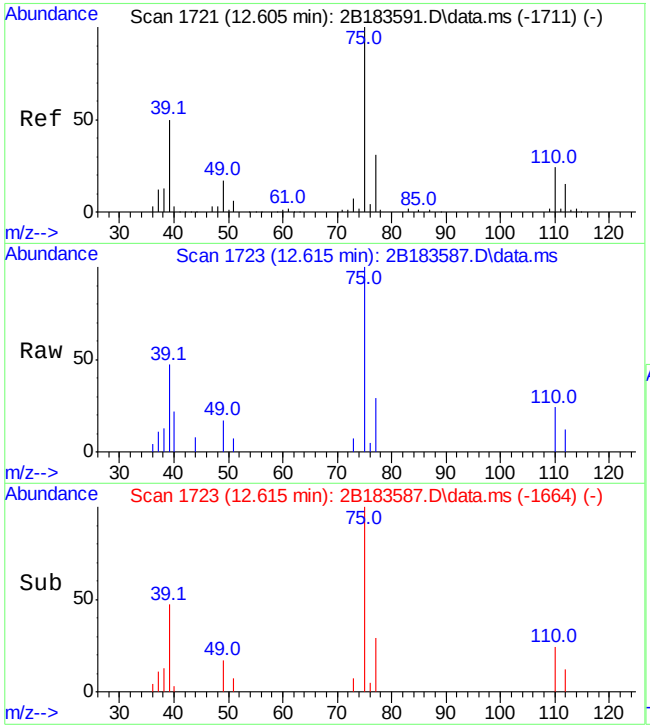


#69
epichlorohydrin
Concen: 10.25 ug/L
RT: 12.505 min Scan# 1702
Delta R.T. 0.037 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 57 Resp: 2323

Ion	Ratio	Lower	Upper
57	100		
62	22.0	0.0	39.8
49	0.0	4.4	44.4#

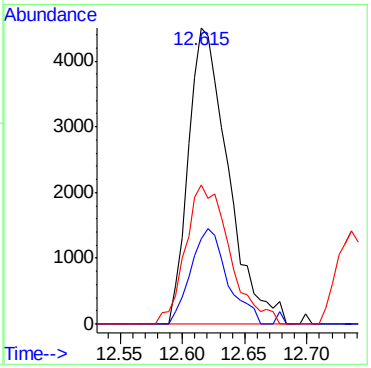


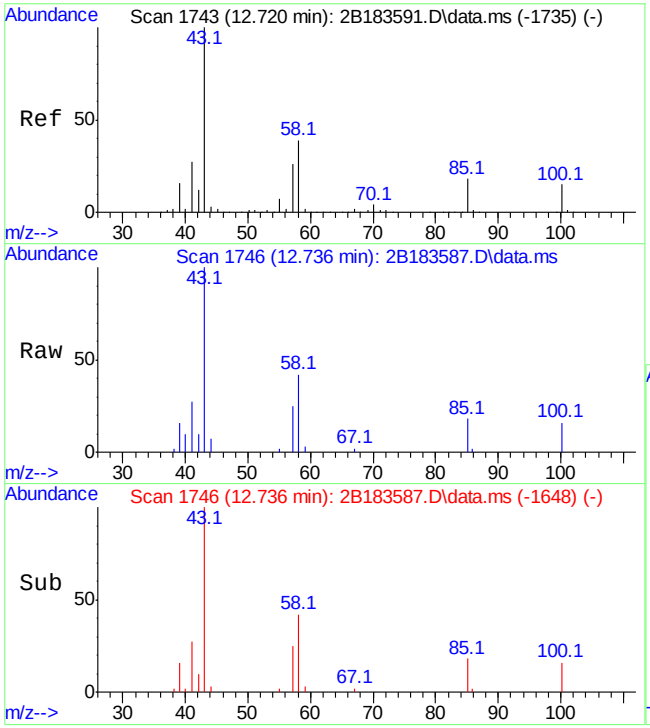


#70
cis-1,3-dichloropropene
Concen: 2.18 ug/L
RT: 12.615 min Scan# 1723
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 75 Resp: 9994

Ion	Ratio	Lower	Upper
75	100		
77	28.7	1.4	61.4
39	47.1	19.8	79.8

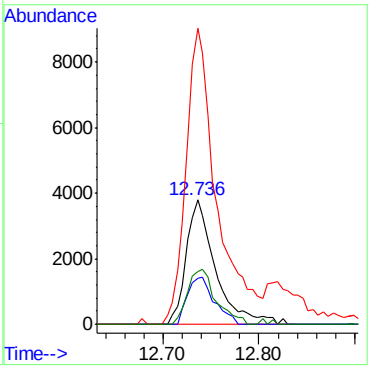


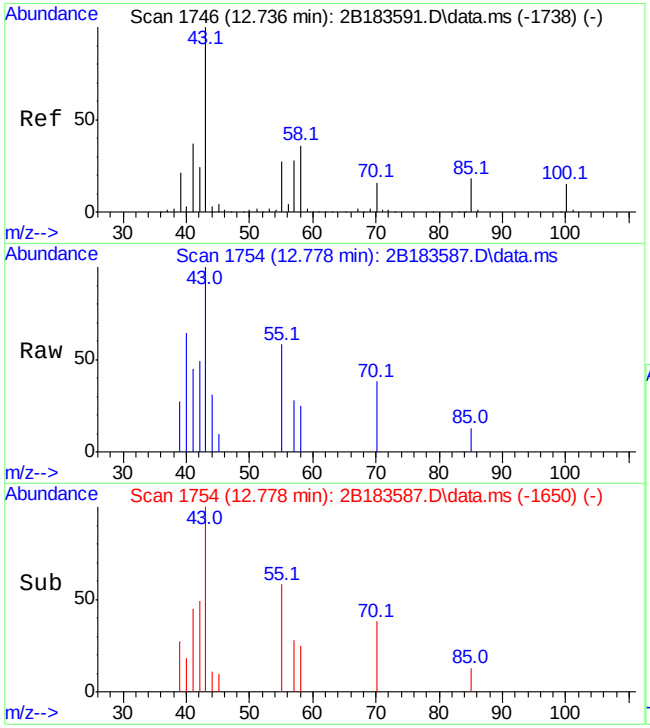


#71
4-methyl-2-pentanone
Concen: 9.25 ug/L
RT: 12.736 min Scan# 1746
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 58 Resp: 8052

Ion	Ratio	Lower	Upper
58	100		
100	37.2	8.6	68.6
43	238.1	223.3	283.3
85	42.1	16.6	76.6

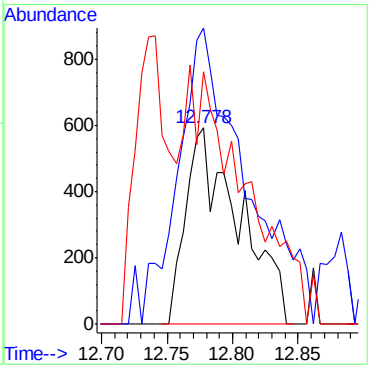


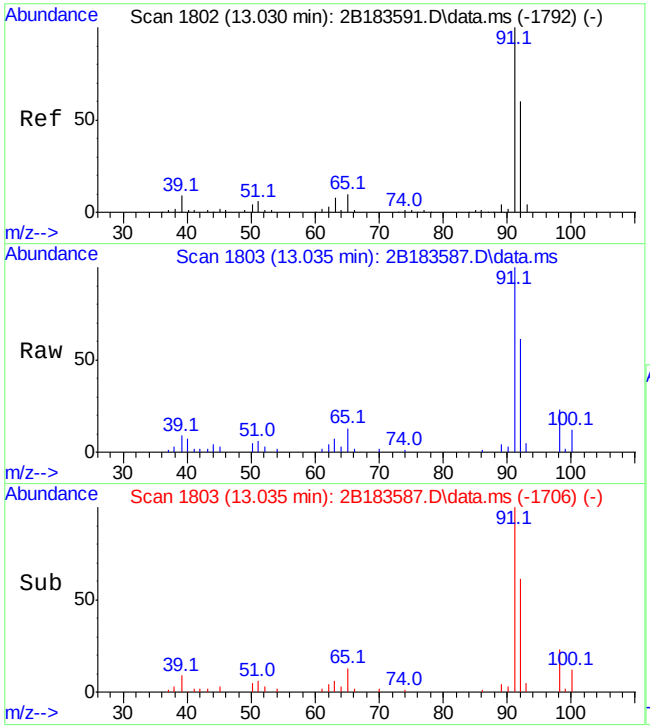


#72
3-methyl-1-butanol
Concen: 0.81 ug/L
RT: 12.778 min Scan# 1754
Delta R.T. 0.047 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 70 Resp: 1678

Ion	Ratio	Lower	Upper
70	100		
55	122.9	138.6	198.6#
42	94.8	117.1	177.1#

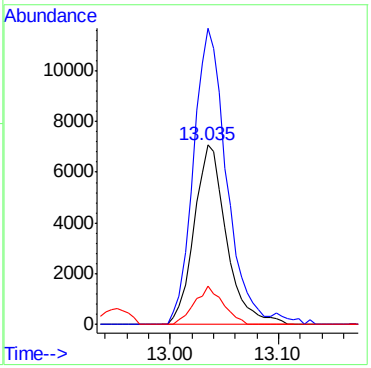


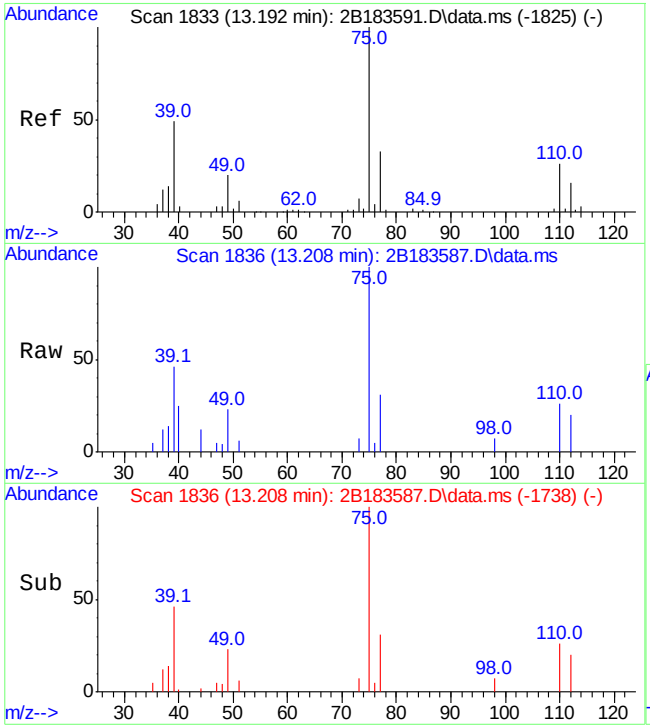


#75
toluene
Concen: 2.22 ug/L
RT: 13.035 min Scan# 1803
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 92 Resp: 14716

Ion	Ratio	Lower	Upper
92	100		
91	165.3	145.5	185.5
65	21.6	0.0	37.3

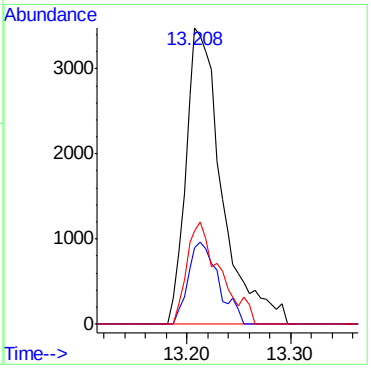


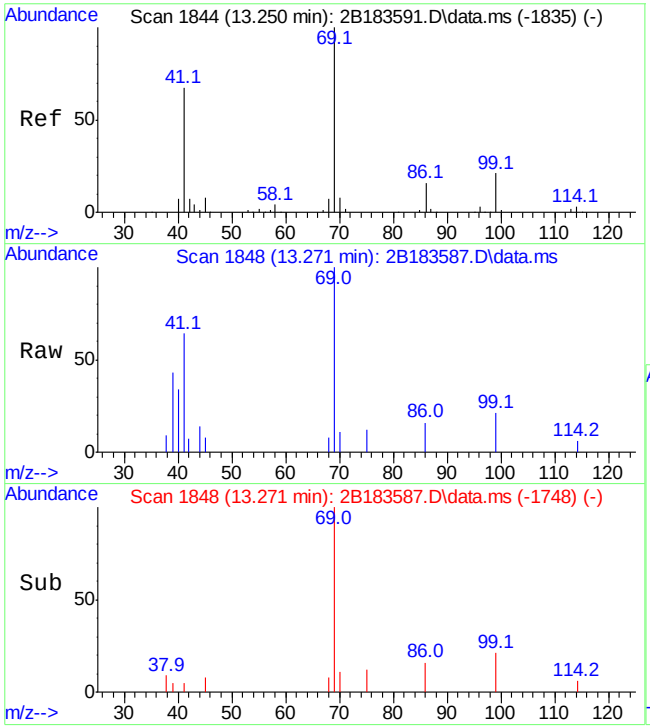


#76
trans-1,3-dichloropropene
Concen: 2.22 ug/L
RT: 13.208 min Scan# 1836
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 75 Resp: 8377

Ion	Ratio	Lower	Upper
75	100		
110	25.8	5.6	45.6
77	31.5	12.9	52.9

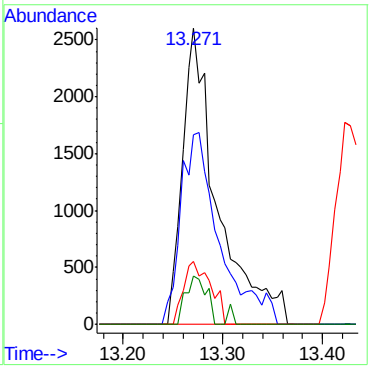


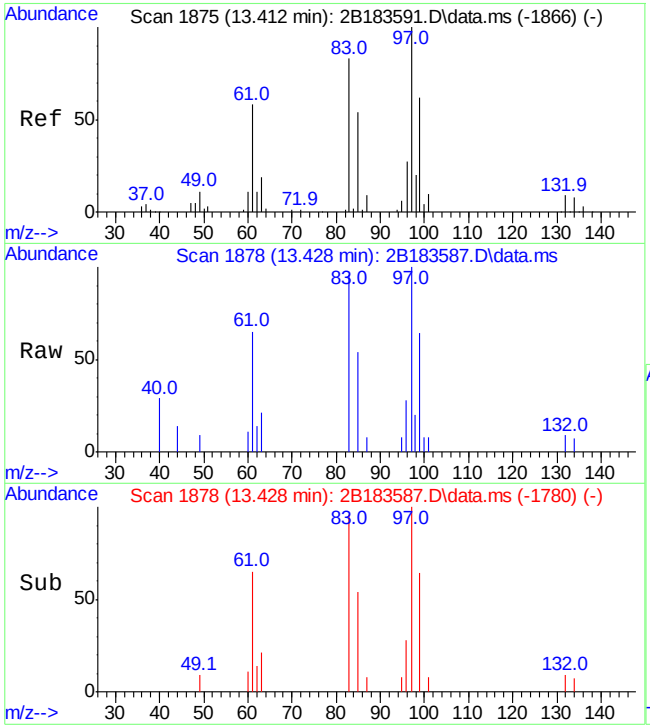


#77
ethyl methacrylate
Concen: 1.86 ug/L
RT: 13.271 min Scan# 1848
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 69 Resp: 6351

Ion	Ratio	Lower	Upper
69	100		
41	64.1	47.3	87.3
99	21.2	0.7	40.7
86	16.2	0.0	36.3

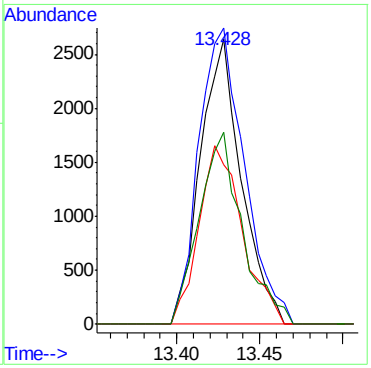


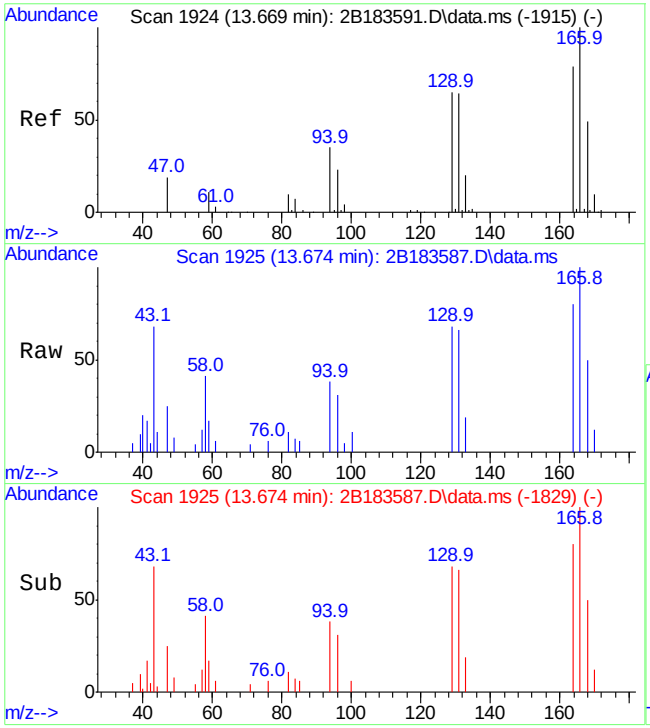


#78
1,1,2-trichloroethane
Concen: 2.22 ug/L
RT: 13.428 min Scan# 1878
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 83 Resp: 4552

Ion	Ratio	Lower	Upper
83	100		
97	104.1	100.4	140.4
85	56.0	44.7	84.7
61	67.3	49.5	89.5

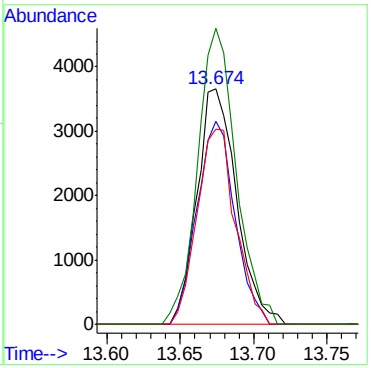


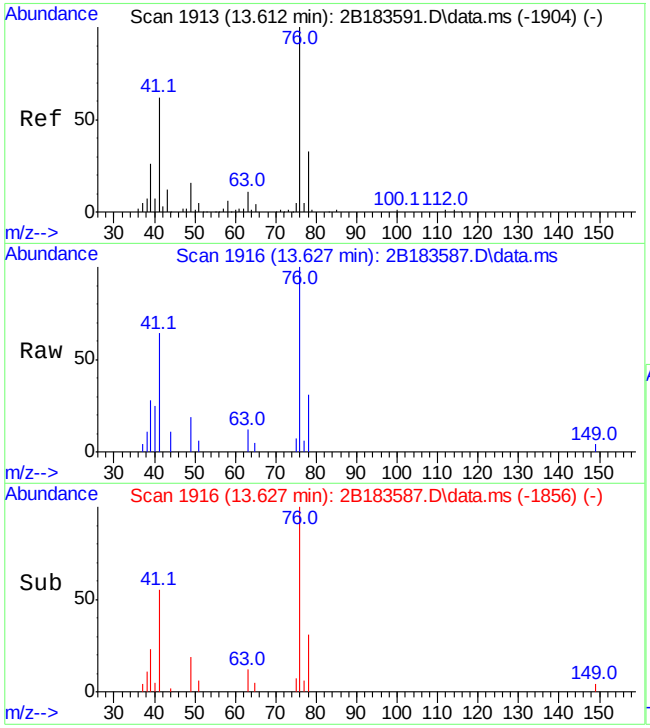


#79
tetrachloroethene
Concen: 2.50 ug/L
RT: 13.674 min Scan# 1925
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:164 Resp: 6901

Ion	Ratio	Lower	Upper
164	100		
129	86.1	52.8	112.8
131	83.0	51.2	111.2
166	125.8	97.3	157.3

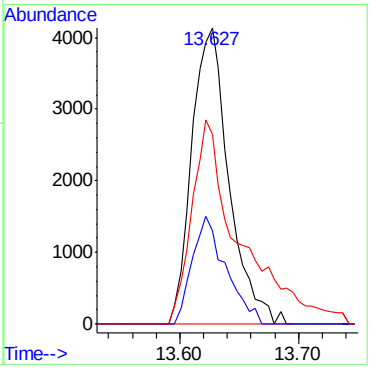


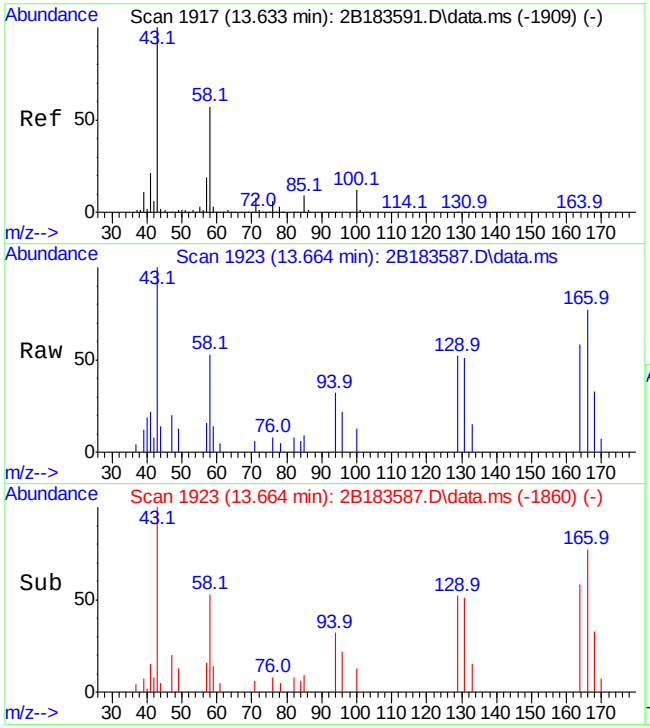


#80
1,3-dichloropropane
Concen: 2.25 ug/L
RT: 13.627 min Scan# 1916
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 76 Resp: 8983

Ion	Ratio	Lower	Upper
76	100		
78	31.4	2.9	62.9
41	64.1	31.5	91.5

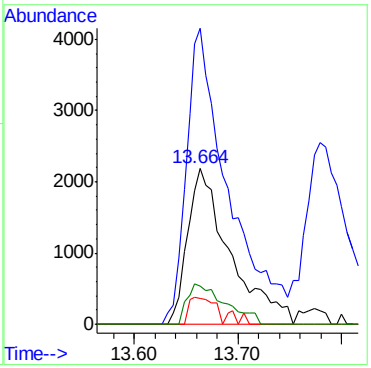


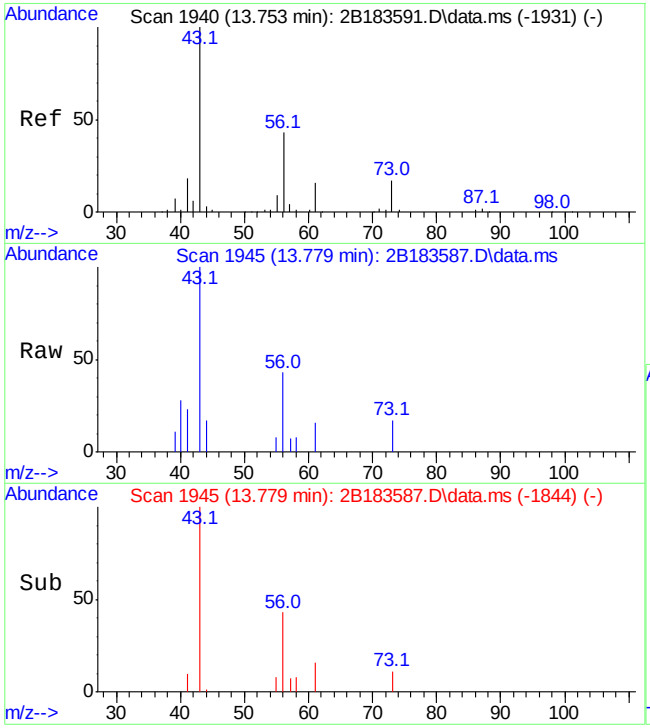


#81
2-hexanone
Concen: 8.36 ug/L
RT: 13.664 min Scan# 1923
Delta R.T. 0.031 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 58 Resp: 6193

Ion	Ratio	Lower	Upper
58	100		
43	189.5	156.8	196.8
85	16.5	0.0	35.7
100	24.5	0.5	40.5

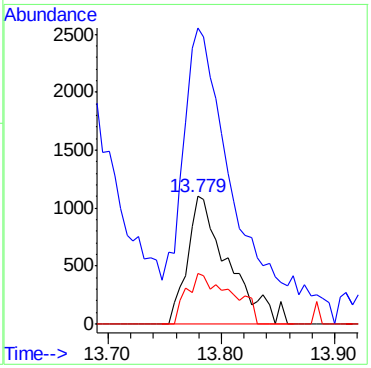


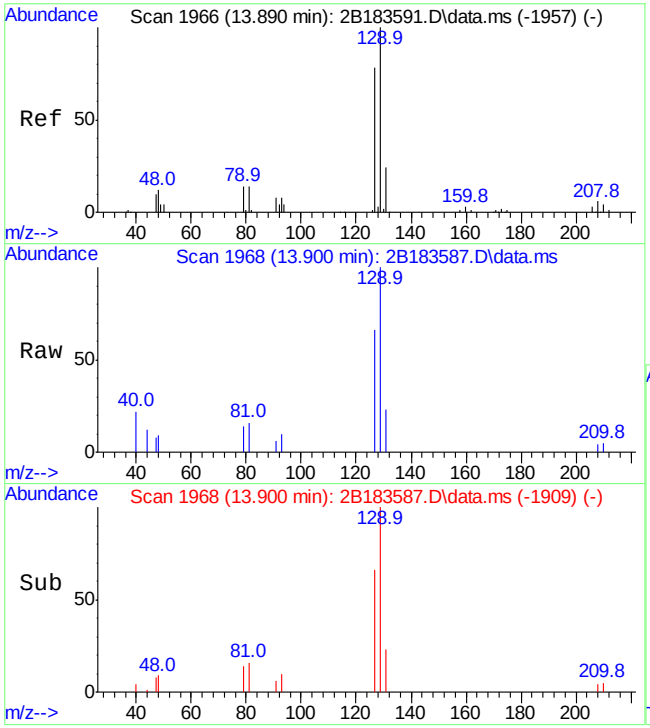


#82
butyl acetate
Concen: 1.98 ug/L
RT: 13.779 min Scan# 1945
Delta R.T. 0.031 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 56 Resp: 2766

Ion	Ratio	Lower	Upper
56	100		
43	197.7	205.4	265.4#
73	39.7	8.9	68.9

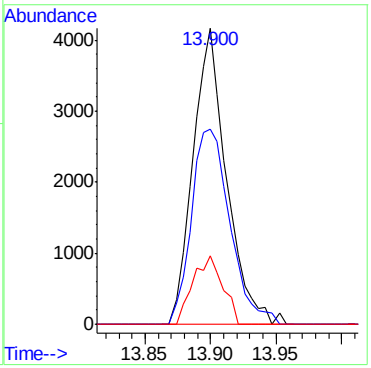


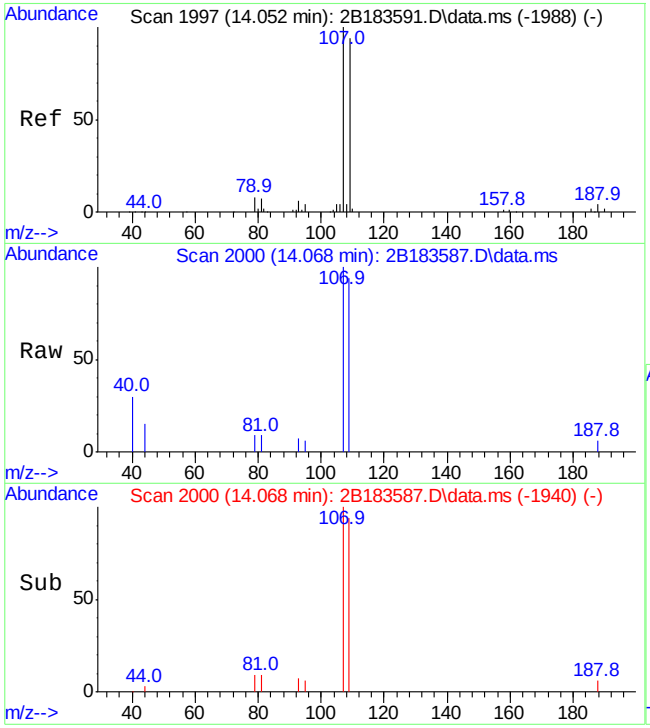


#83
dibromochloromethane
Concen: 2.22 ug/L
RT: 13.900 min Scan# 1968
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:129 Resp: 7433

Ion	Ratio	Lower	Upper
129	100		
127	66.0	47.6	107.6
131	23.0	0.0	54.0

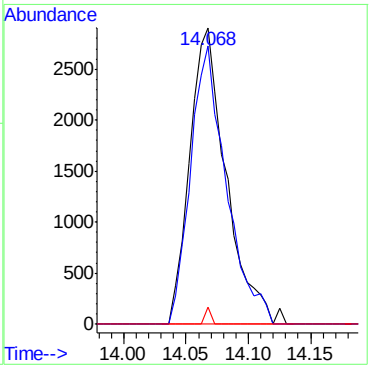


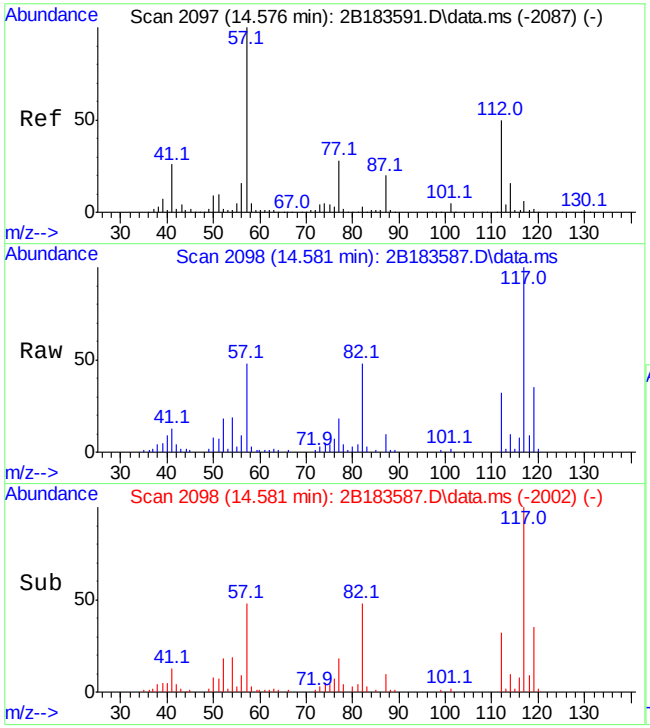


#84
1,2-dibromoethane
Concen: 2.32 ug/L
RT: 14.068 min Scan# 2000
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:107 Resp: 5929

Ion	Ratio	Lower	Upper
107	100		
109	94.1	64.2	124.2
188	5.9	0.0	33.9

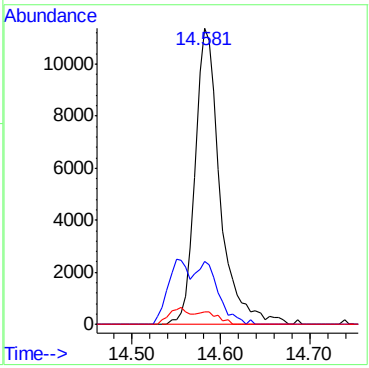


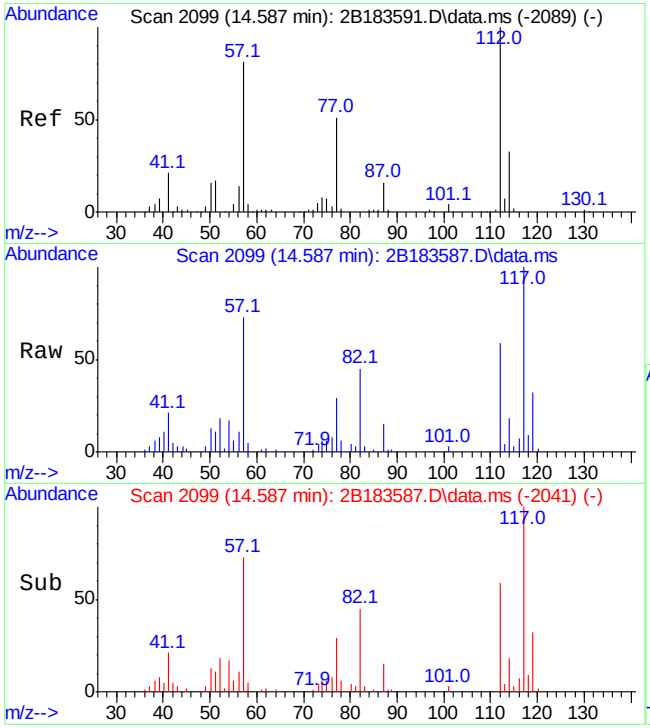


#85
n-butyl ether
Concen: 2.21 ug/L
RT: 14.581 min Scan# 2098
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 57 Resp: 22124

Ion	Ratio	Lower	Upper
57	100		
87	21.3	0.0	49.5
101	4.3	0.0	34.7

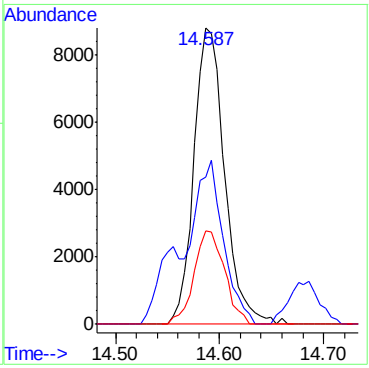


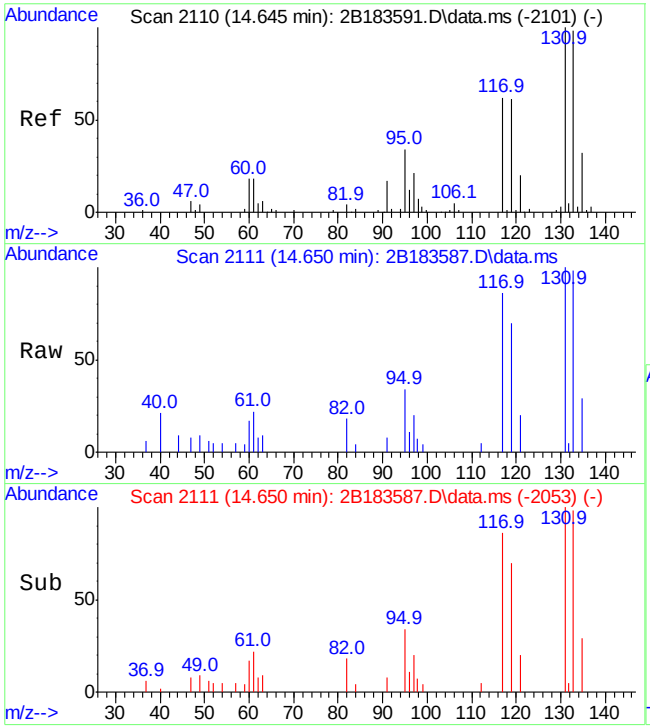


#86
chlorobenzene
Concen: 2.29 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:112 Resp: 17991

Ion	Ratio	Lower	Upper
112	100		
77	38.9	21.4	81.4
114	31.3	2.8	62.8

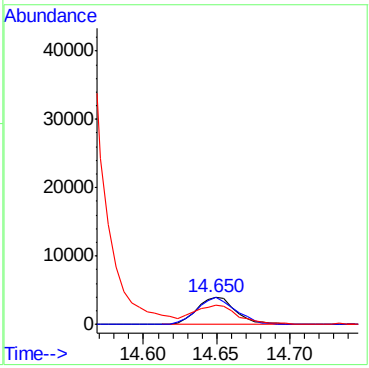


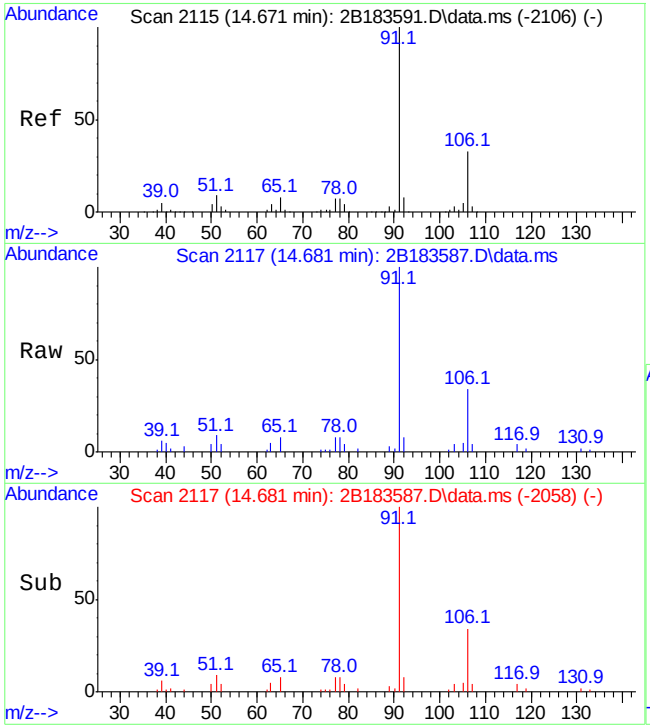


#87
1,1,1,2-tetrachloroethane
Concen: 2.32 ug/L
RT: 14.650 min Scan# 2111
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:131 Resp: 7256

Ion	Ratio	Lower	Upper
131	100		
133	98.0	67.8	127.8
119	69.8	32.9	92.9

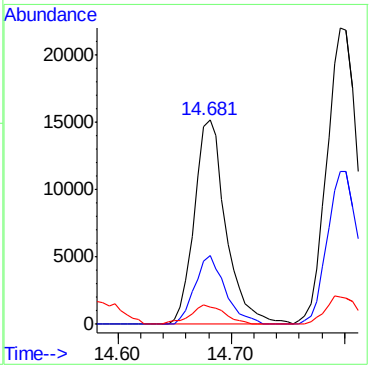


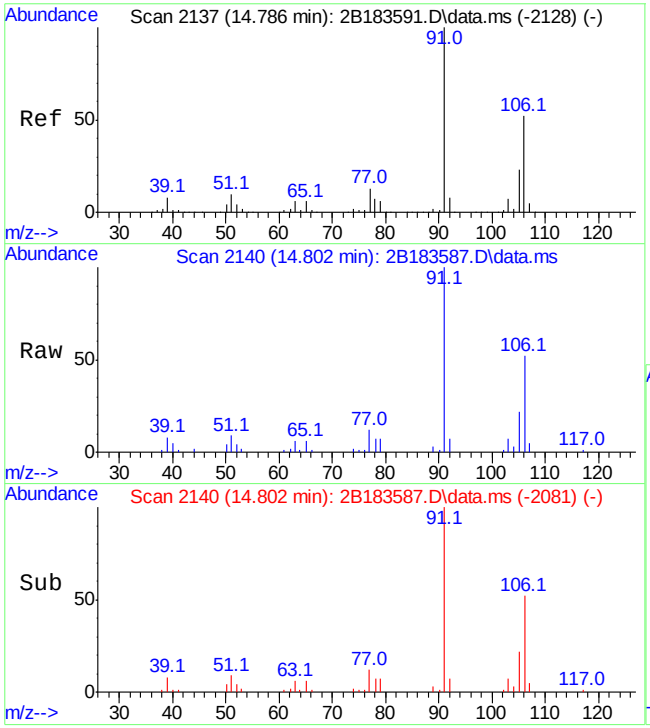


#88
ethylbenzene
Concen: 2.30 ug/L
RT: 14.681 min Scan# 2117
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 91 Resp: 29222

Ion	Ratio	Lower	Upper
91	100		
106	33.7	3.0	63.0
51	8.6	0.0	39.2

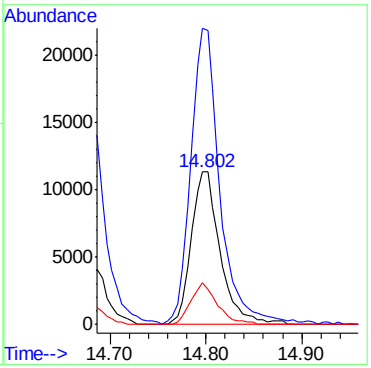


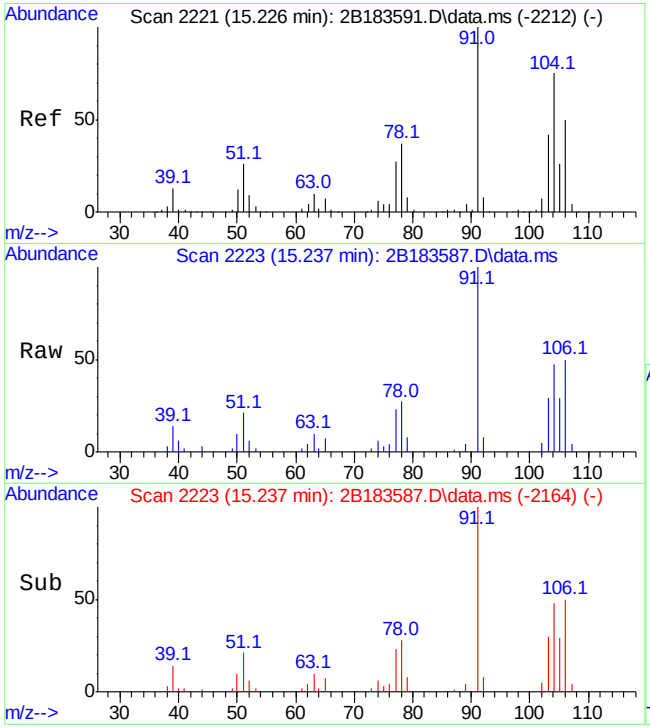


#89
m,p-xylene
Concen: 4.59 ug/L
RT: 14.802 min Scan# 2140
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:106 Resp: 23561

Ion	Ratio	Lower	Upper
106	100		
91	193.1	162.7	222.7
77	22.8	5.0	45.0

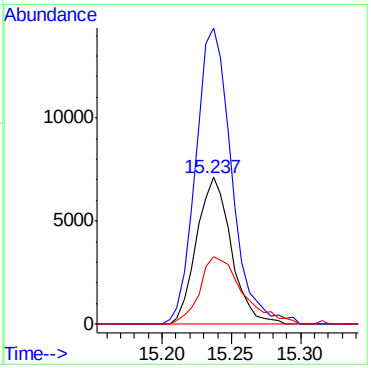


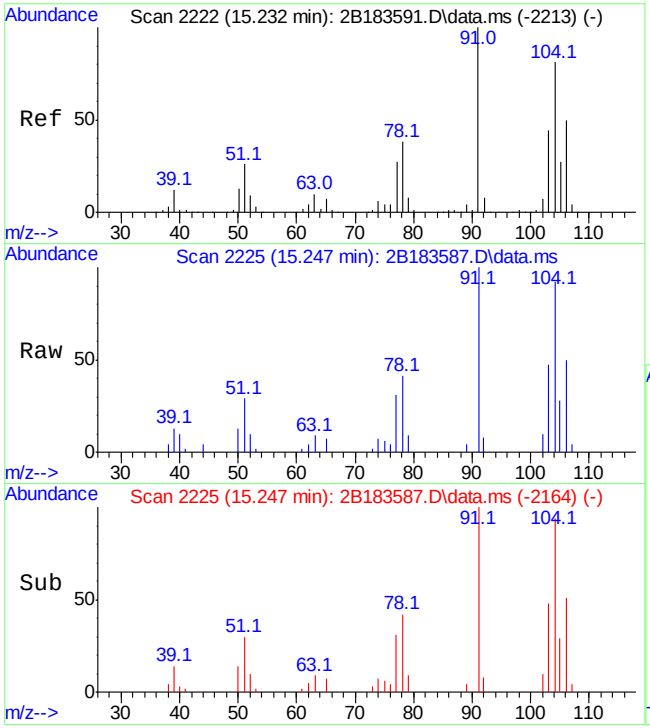


#90
o-xylene
Concen: 2.26 ug/L
RT: 15.237 min Scan# 2223
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:106 Resp: 12347

Ion	Ratio	Lower	Upper
106	100		
91	201.8	169.5	229.5
77	46.2	33.1	73.1

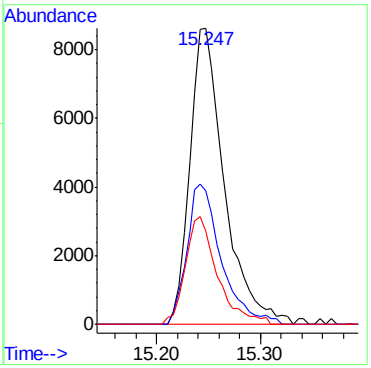


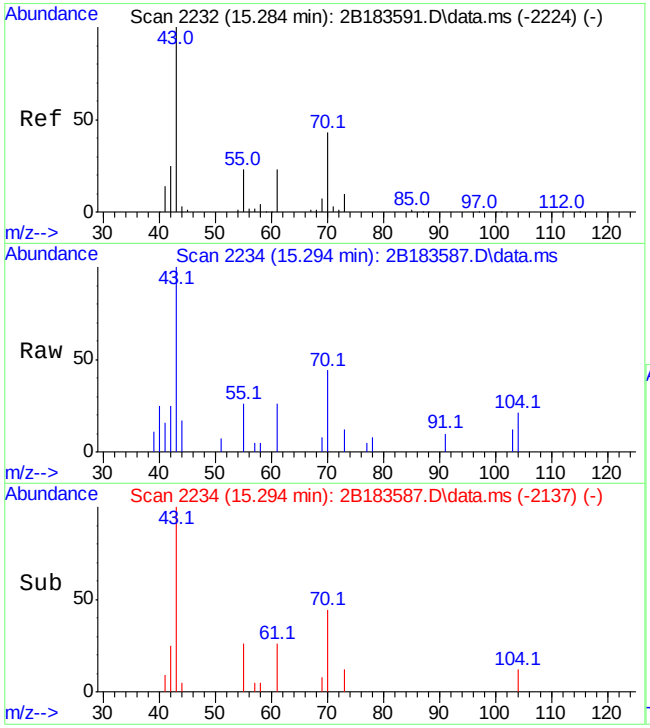


#91
styrene
Concen: 2.28 ug/L
RT: 15.247 min Scan# 2225
Delta R.T. 0.021 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:104 Resp: 19905

Ion	Ratio	Lower	Upper
104	100		
78	45.0	16.8	76.8
51	31.5	2.1	62.1

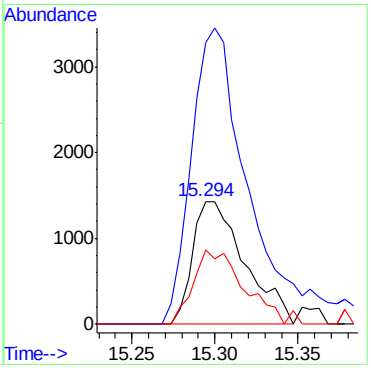


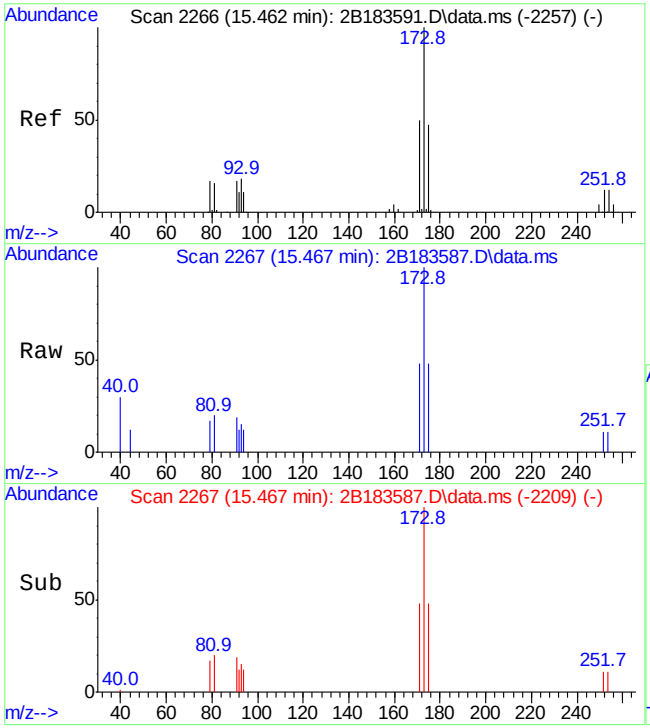


#92
n-amyl acetate
Concen: 1.82 ug/L
RT: 15.294 min Scan# 2234
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 70 Resp: 3119

Ion	Ratio	Lower	Upper
70	100		
43	229.2	202.3	262.3
55	60.7	23.5	83.5

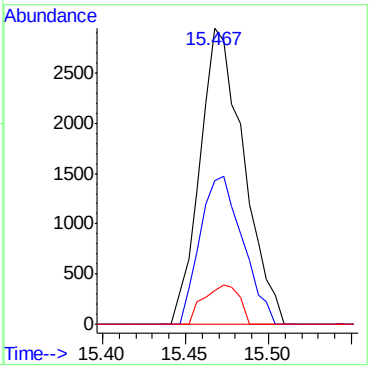


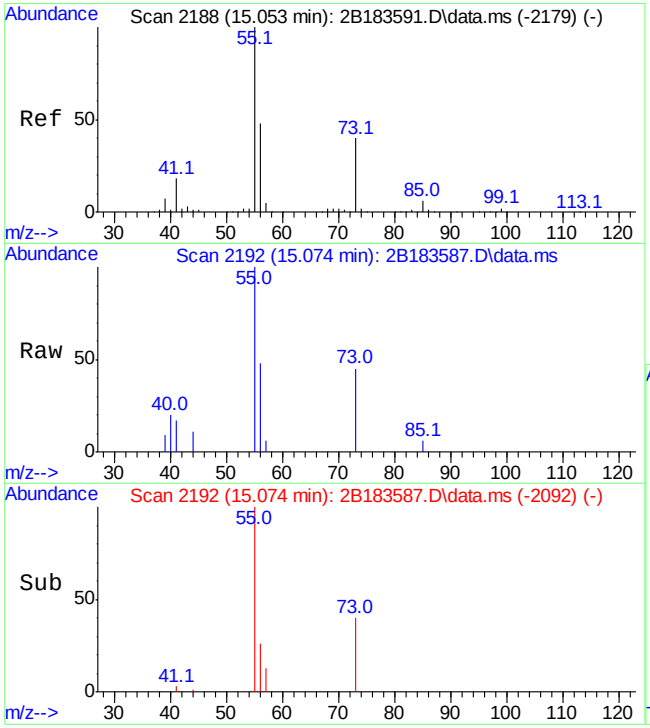


#93
bromoform
Concen: 2.13 ug/L
RT: 15.467 min Scan# 2267
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:173 Resp: 5401

Ion	Ratio	Lower	Upper
173	100		
175	48.4	17.3	77.3
254	11.3	0.0	42.0

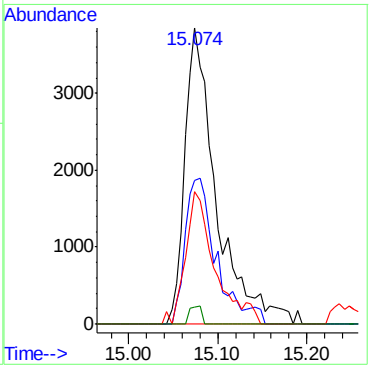


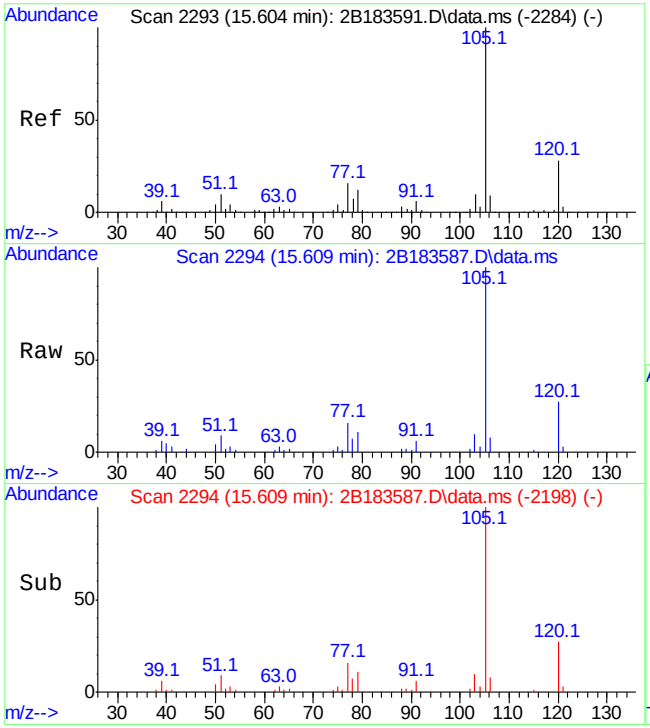


#94
butyl acrylate
Concen: 2.10 ug/L
RT: 15.074 min Scan# 2192
Delta R.T. 0.026 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 55 Resp: 9456

Ion	Ratio	Lower	Upper
55	100		
56	48.4	18.2	78.2
73	44.7	10.0	70.0
85	5.8	0.0	35.9

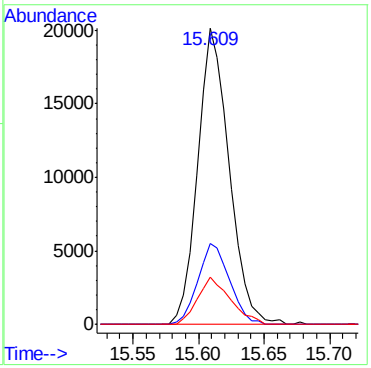


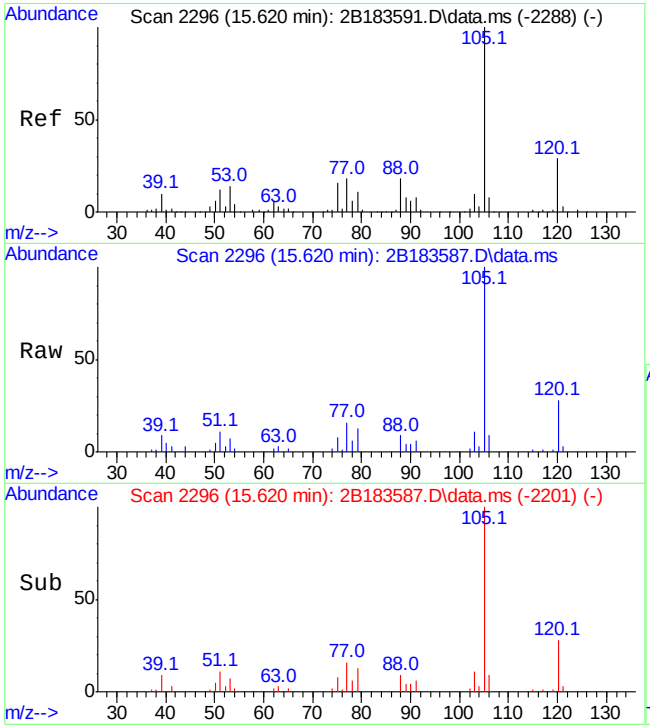


#95
isopropylbenzene
Concen: 2.25 ug/L
RT: 15.609 min Scan# 2294
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:105 Resp: 33559

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.6	47.6
77	16.1	0.0	35.7

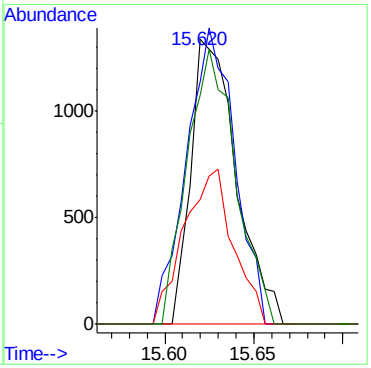


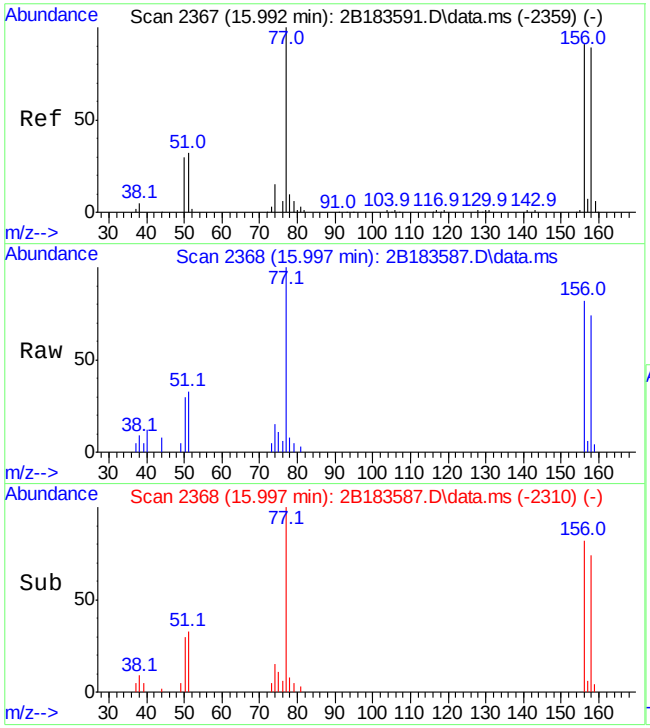


#96
cis-1,4-dichloro-2-butene
Concen: 0.46 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 88 Resp: 2378

Ion	Ratio	Lower	Upper
88	100		
75	85.0	74.3	114.3
89	43.8	26.9	66.9
53	80.4	62.3	102.3

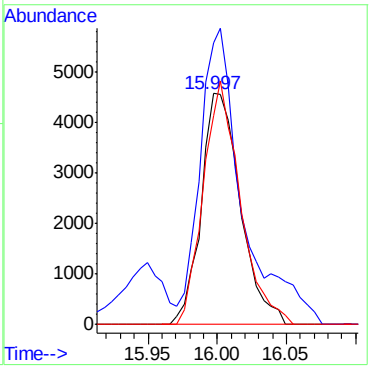


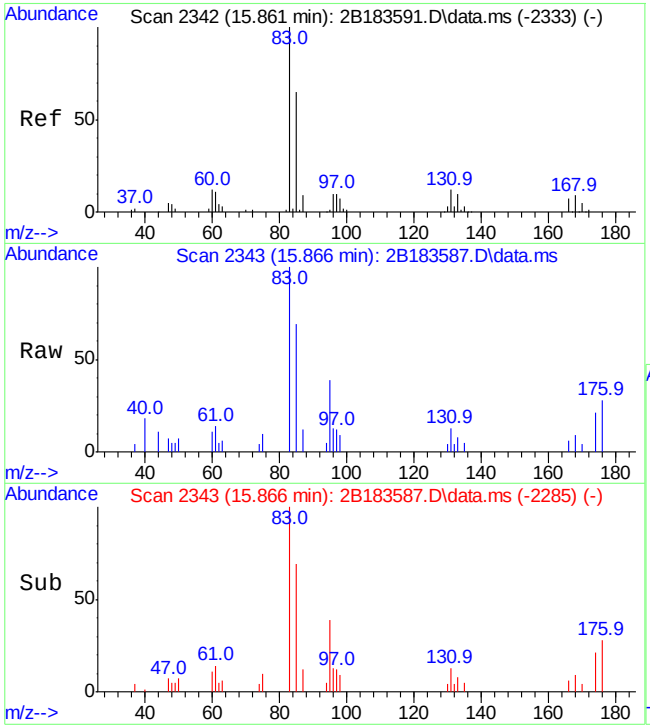


#99
bromobenzene
Concen: 2.25 ug/L
RT: 15.997 min Scan# 2368
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:156 Resp: 9028

Ion	Ratio	Lower	Upper
156	100		
77	104.9	94.4	154.4
158	90.6	68.2	128.2

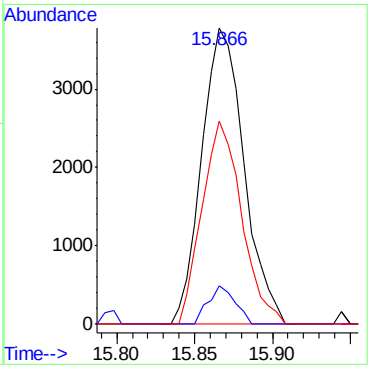


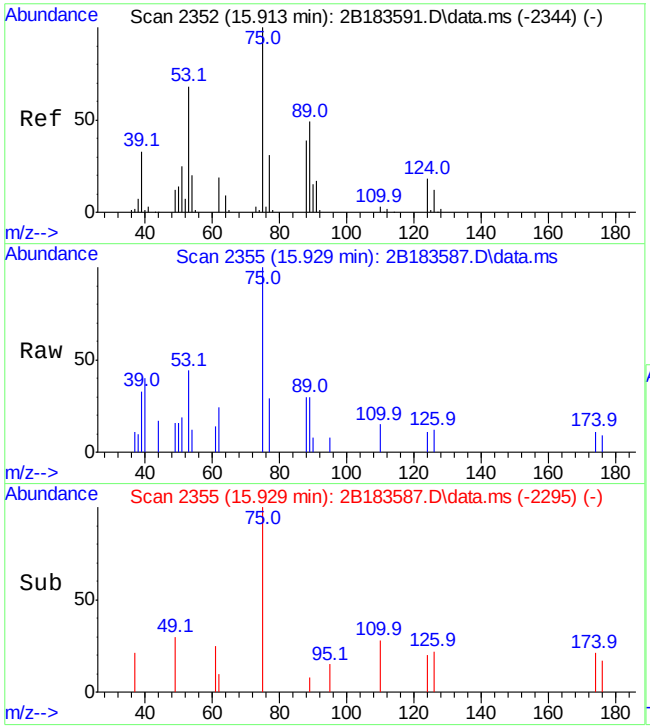


#100
1,1,2,2-tetrachloroethane
Concen: 2.15 ug/L
RT: 15.866 min Scan# 2343
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 83 Resp: 7138

Ion	Ratio	Lower	Upper
83	100		
131	12.8	0.0	41.6
85	68.6	34.8	94.8

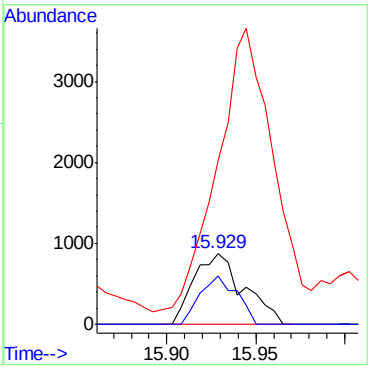


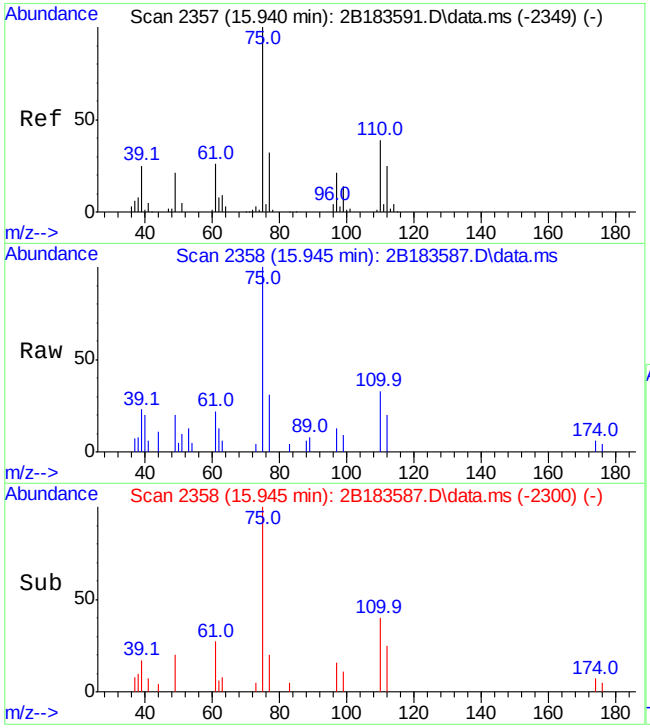


#101
trans-1,4-dichloro-2-butene
Concen: 2.02 ug/L
RT: 15.929 min Scan# 2355
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 53 Resp: 1694

Ion	Ratio	Lower	Upper
53	100		
88	67.7	26.5	86.5
75	208.6	116.8	176.8#

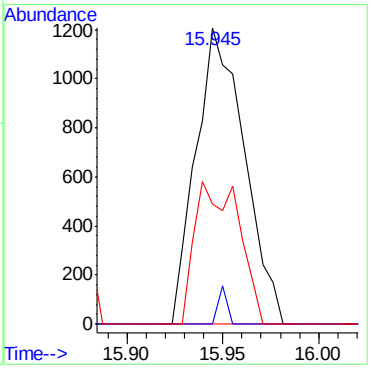


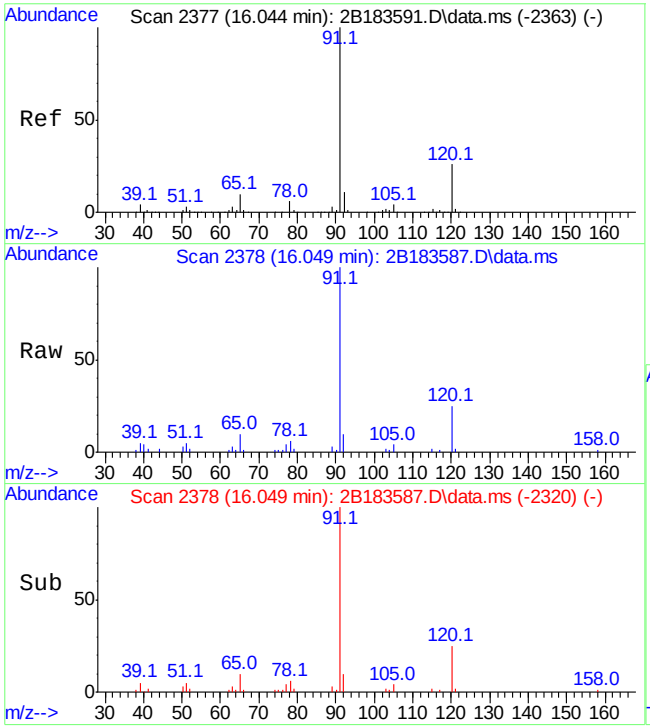


#102
1,2,3-trichloropropane
Concen: 2.27 ug/L
RT: 15.945 min Scan# 2358
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:110 Resp: 2116

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	40.7
97	40.6	23.2	83.2

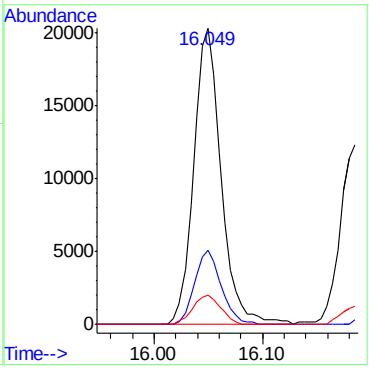


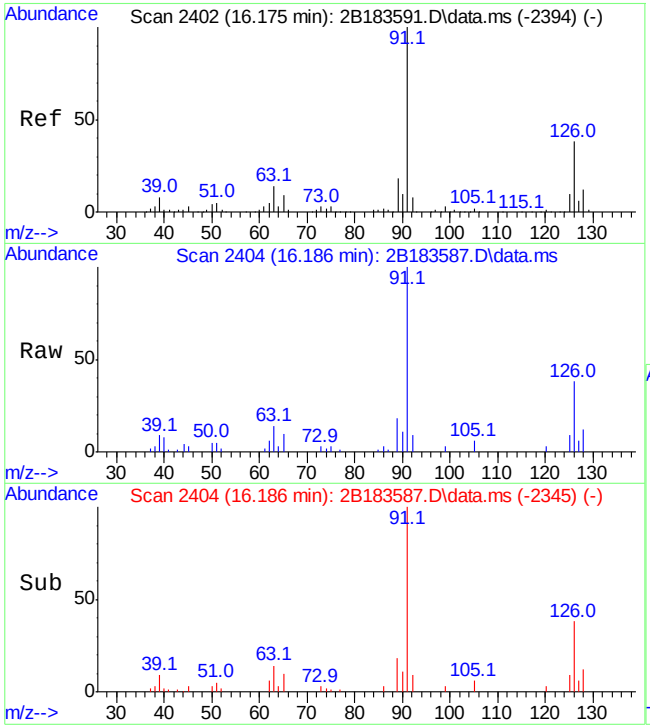


#103
n-propylbenzene
Concen: 2.26 ug/L
RT: 16.049 min Scan# 2378
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 91 Resp: 35833

Ion	Ratio	Lower	Upper
91	100		
120	24.9	0.0	55.5
65	9.9	0.0	39.9

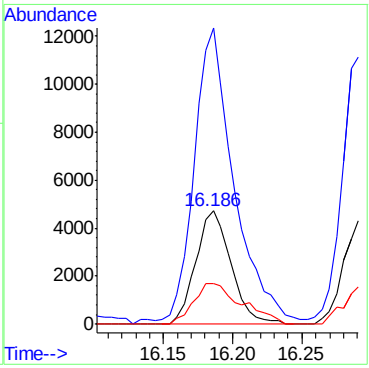


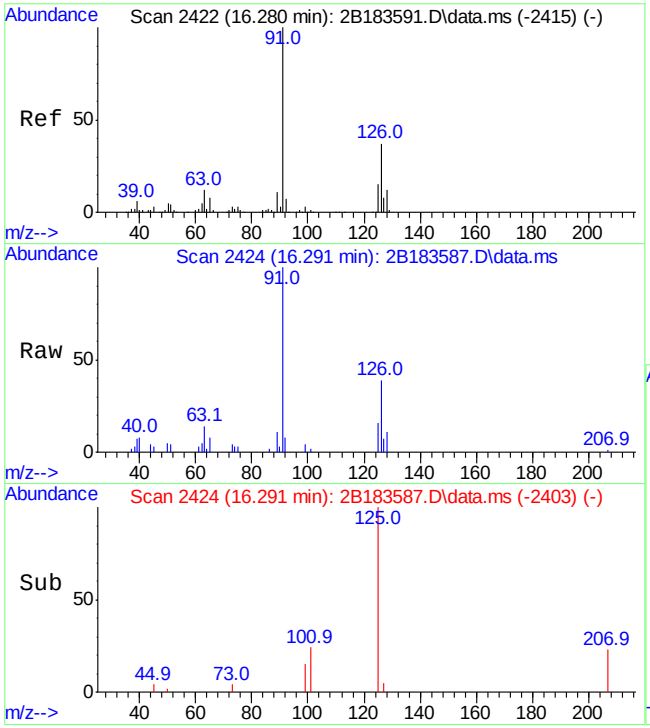


#104
2-chlorotoluene
Concen: 2.29 ug/L
RT: 16.186 min Scan# 2404
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:126 Resp: 8373

Ion	Ratio	Lower	Upper
126	100		
91	258.2	233.1	293.1
63	35.8	6.5	66.5

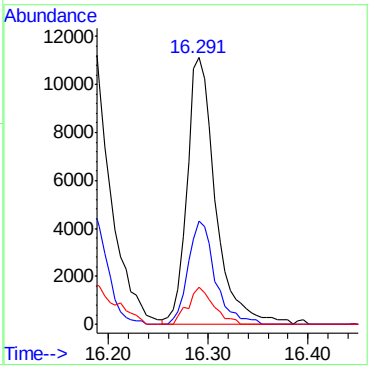


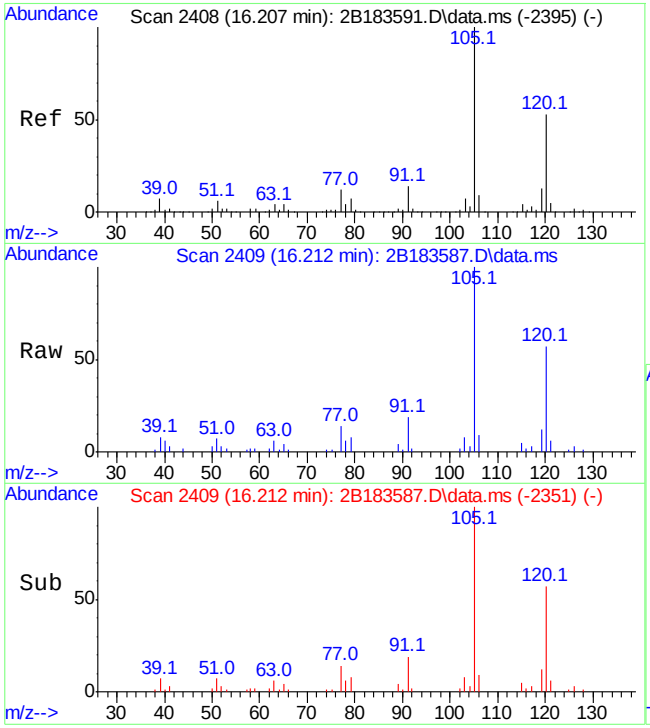


#105
4-chlorotoluene
Concen: 2.21 ug/L
RT: 16.291 min Scan# 2424
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 91 Resp: 22104

Ion	Ratio	Lower	Upper
91	100		
126	38.7	7.4	67.4
63	13.8	0.0	42.1

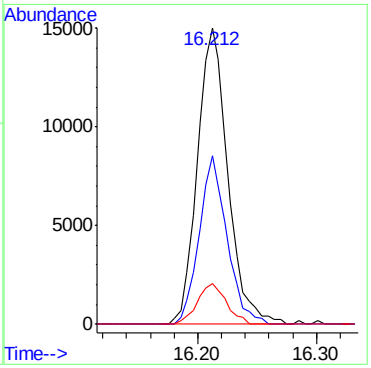


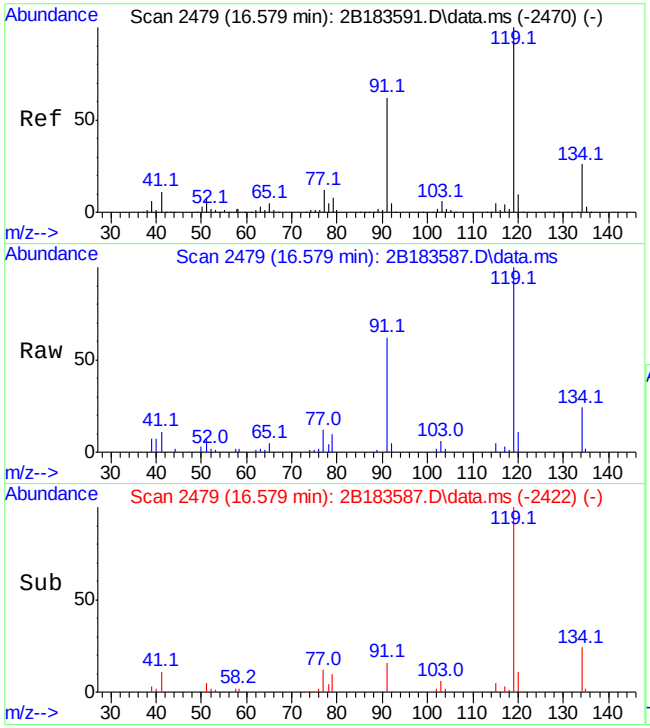


#106
1,3,5-trimethylbenzene
Concen: 2.22 ug/L
RT: 16.212 min Scan# 2409
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:105 Resp: 26695

Ion	Ratio	Lower	Upper
105	100		
120	56.8	22.7	82.7
77	13.7	0.0	42.1

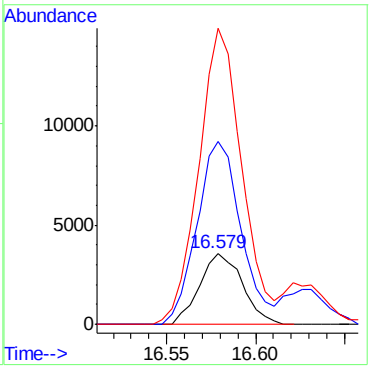


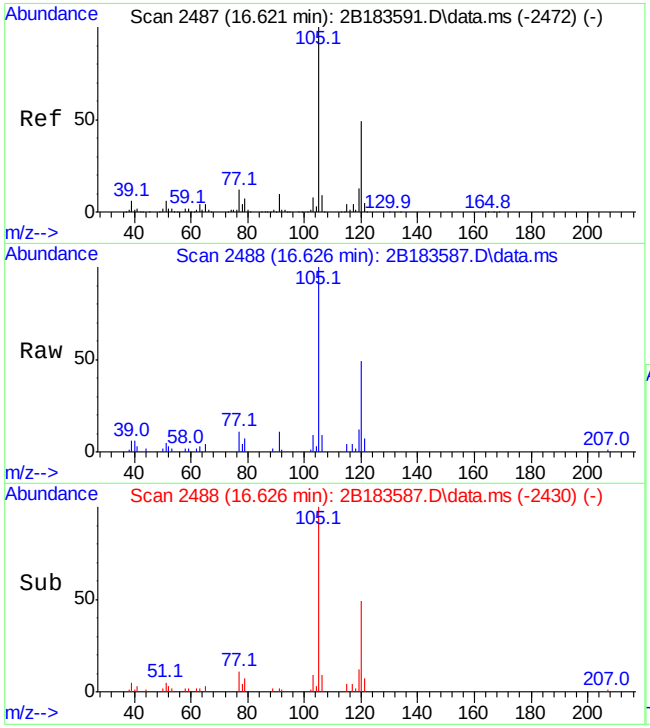


#107
tert-butylbenzene
Concen: 2.21 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:134 Resp: 5958

Ion	Ratio	Lower	Upper
134	100		
91	258.3	208.1	268.1
119	411.0	353.9	413.9

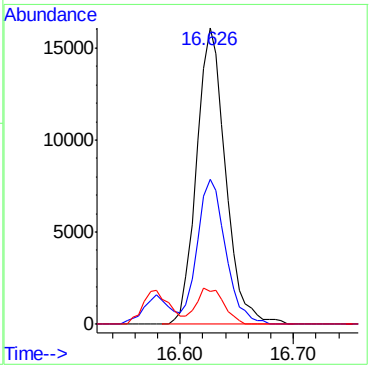


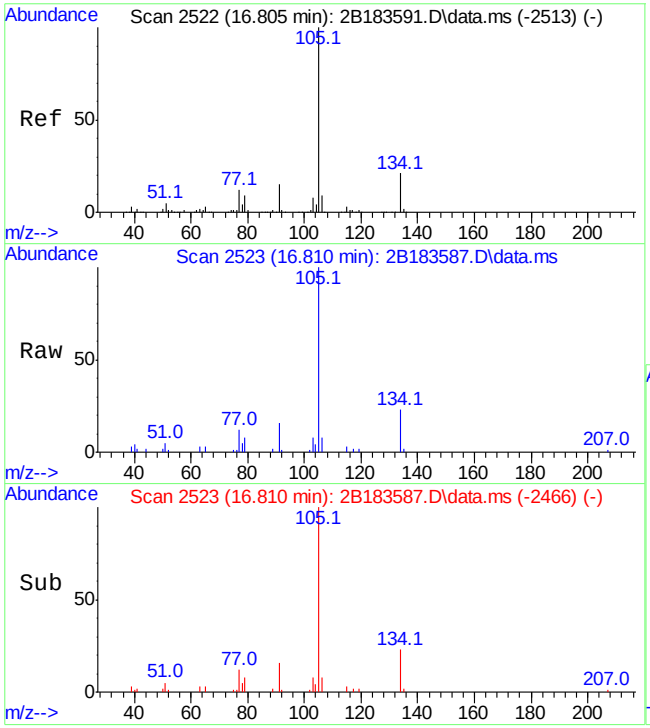


#108
1,2,4-trimethylbenzene
Concen: 2.27 ug/L
RT: 16.626 min Scan# 2488
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:105 Resp: 28359

Ion	Ratio	Lower	Upper
105	100		
120	49.0	19.5	79.5
77	11.1	0.0	41.6

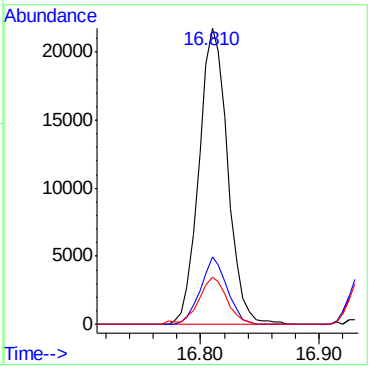


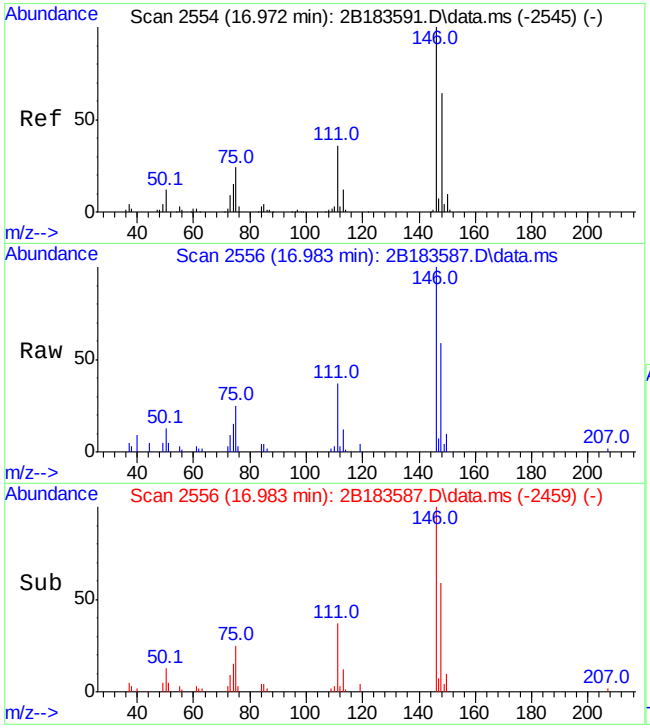


#109
sec-butylbenzene
Concen: 2.26 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:105 Resp: 36515

Ion	Ratio	Lower	Upper
105	100		
134	22.7	0.0	50.9
91	16.1	0.0	44.9

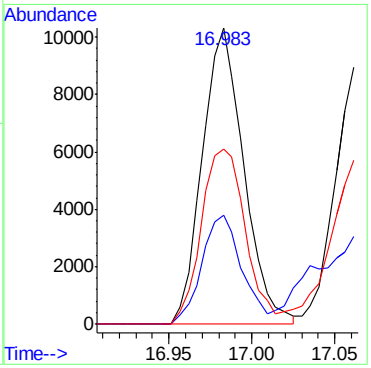


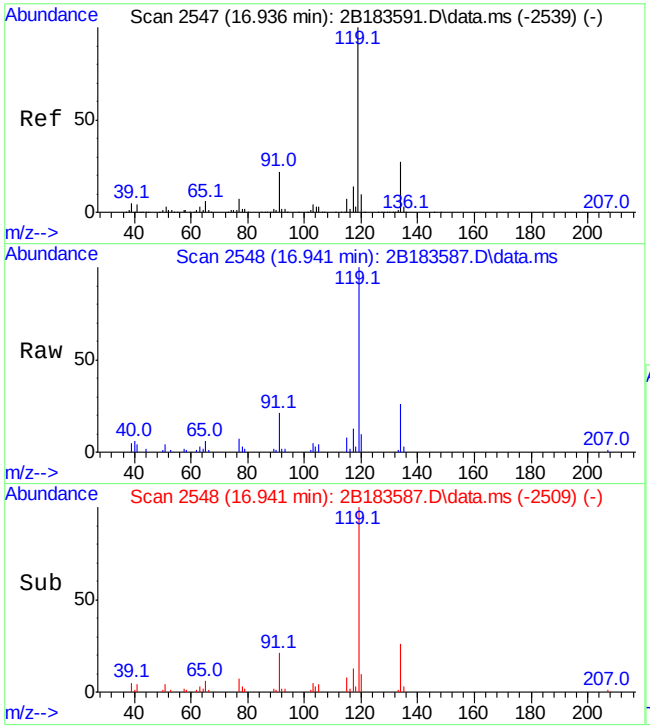


#110
1,3-dichlorobenzene
Concen: 2.29 ug/L
RT: 16.983 min Scan# 2556
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:146 Resp: 17884

Ion	Ratio	Lower	Upper
146	100		
111	36.9	6.0	66.0
148	59.3	34.1	94.1

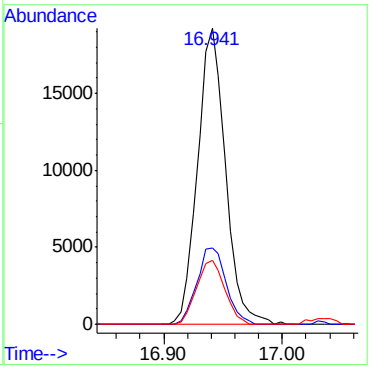


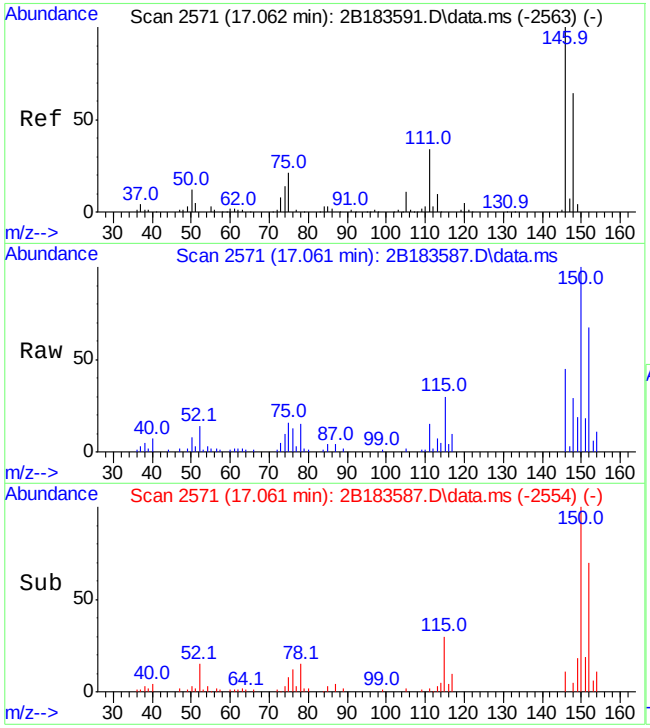


#111
p-isopropyltoluene
Concen: 2.22 ug/L
RT: 16.941 min Scan# 2548
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:119 Resp: 31478

Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	57.2
91	21.5	0.0	51.8

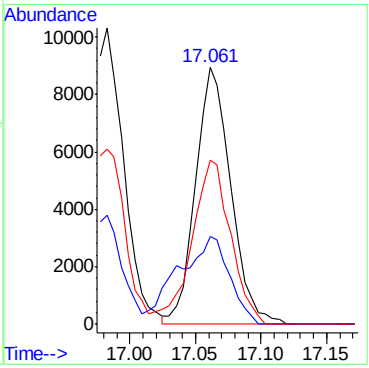


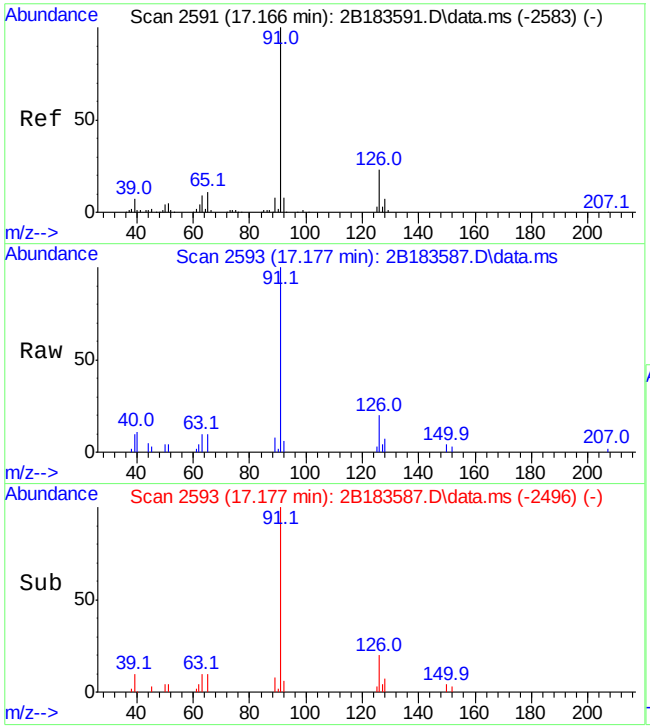


#112
1,4-dichlorobenzene
Concen: 2.20 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:146 Resp: 16793

Ion	Ratio	Lower	Upper
146	100		
111	34.3	4.0	64.0
148	63.6	34.3	94.3

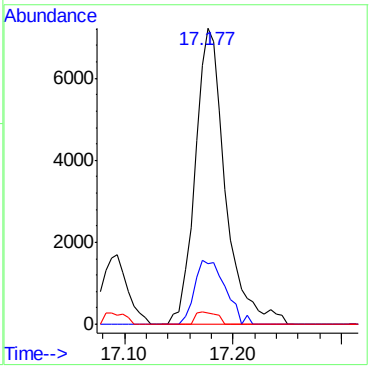


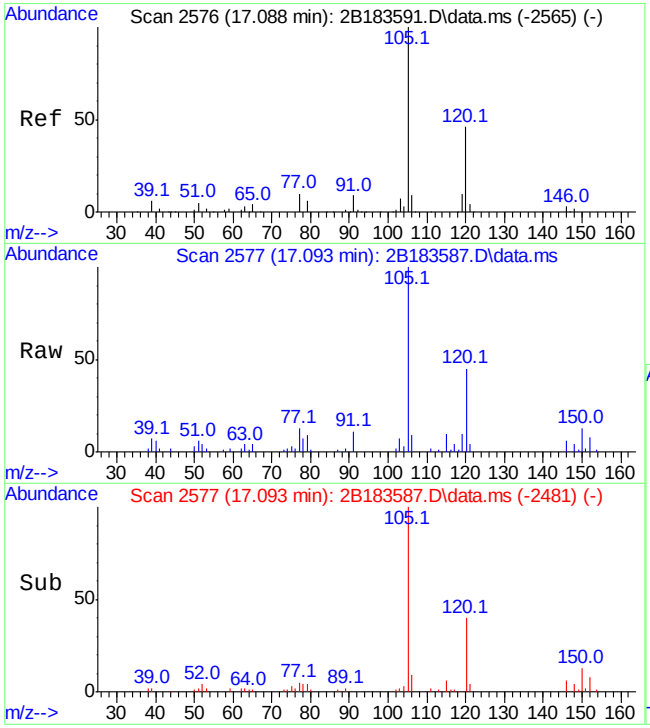


#113
benzyl chloride
Concen: 2.05 ug/L
RT: 17.177 min Scan# 2593
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 91 Resp: 14032

Ion	Ratio	Lower	Upper
91	100		
126	20.5	0.0	52.7
62	4.0	0.0	34.0

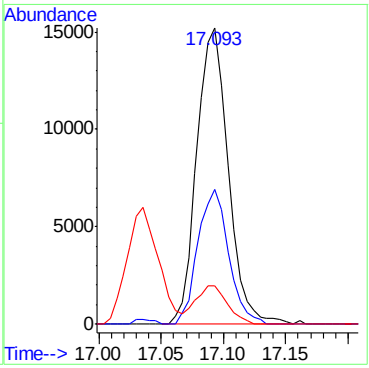


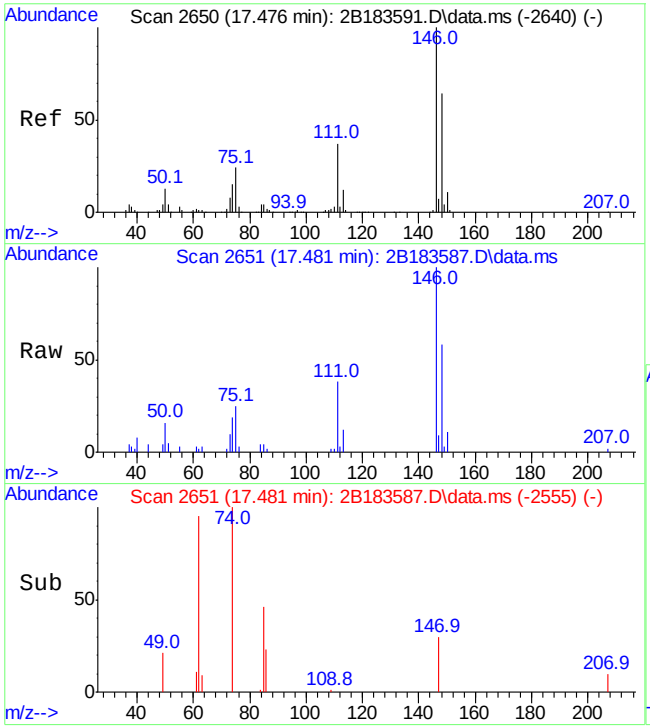


#114
1,2,3-trimethylbenzene
Concen: 2.18 ug/L
RT: 17.093 min Scan# 2577
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:105 Resp: 26626

Ion	Ratio	Lower	Upper
105	100		
120	45.5	16.3	76.3
77	12.9	0.0	41.7

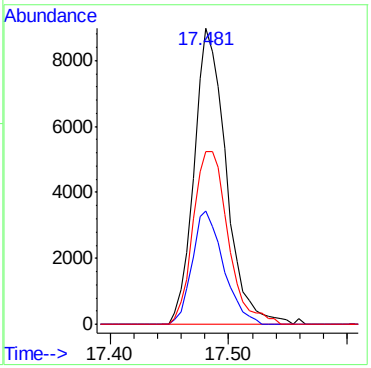


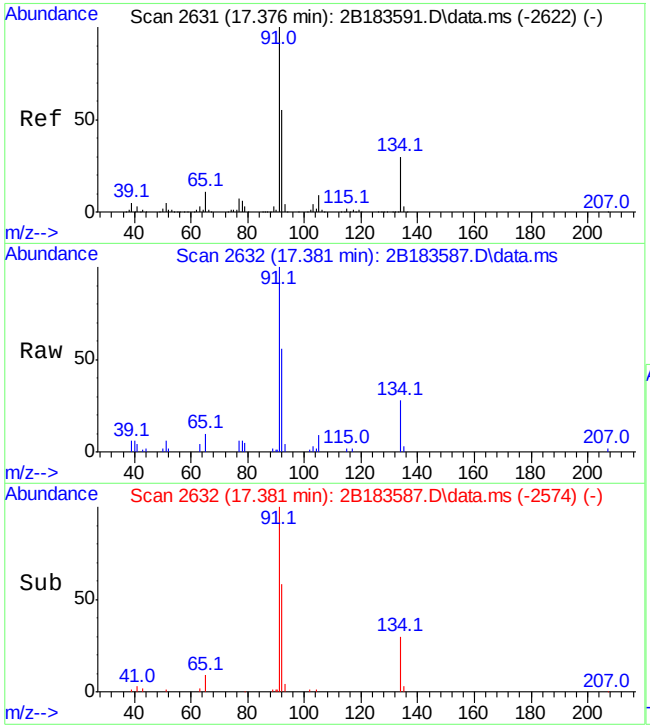


#115
1,2-dichlorobenzene
Concen: 2.16 ug/L
RT: 17.481 min Scan# 2651
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:146 Resp: 16800

Ion	Ratio	Lower	Upper
146	100		
111	38.3	6.6	66.6
148	58.3	34.3	94.3

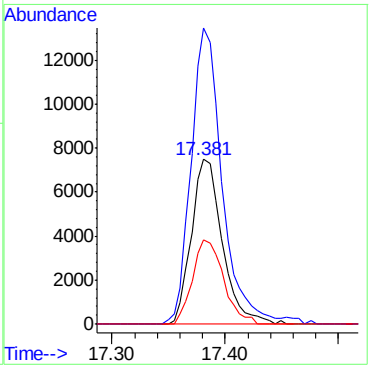


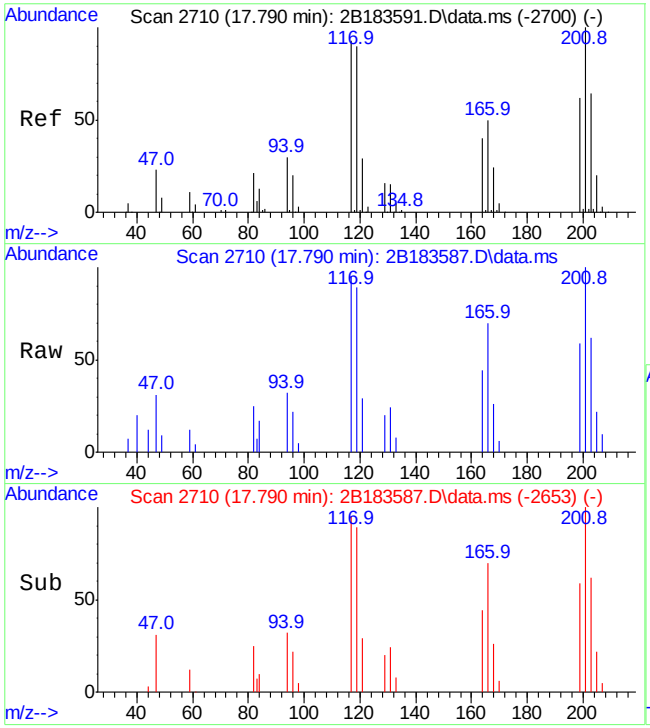


#116
n-butylbenzene
Concen: 2.25 ug/L
RT: 17.381 min Scan# 2632
Delta R.T. 0.005 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion: 92 Resp: 14217

Ion	Ratio	Lower	Upper
92	100		
91	179.7	150.9	210.9
134	50.8	23.6	83.6

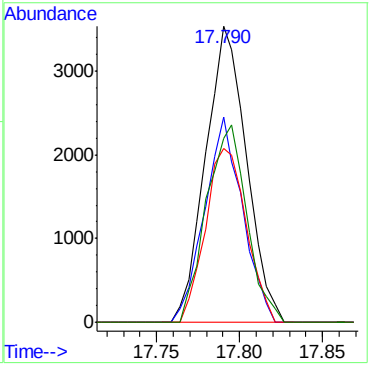


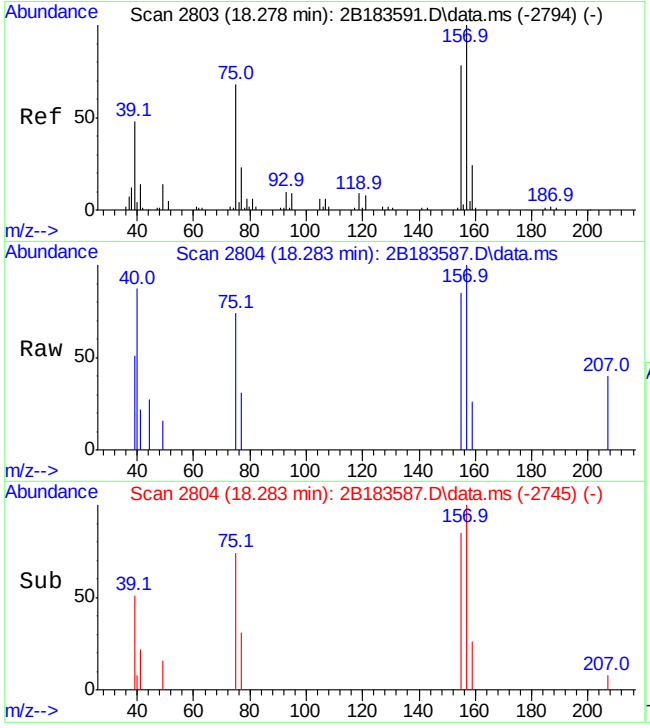


#117
hexachloroethane
Concen: 2.14 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:201 Resp: 6065

Ion	Ratio	Lower	Upper
201	100		
166	69.5	30.5	70.5
199	58.8	42.1	82.1
203	62.1	44.3	84.3

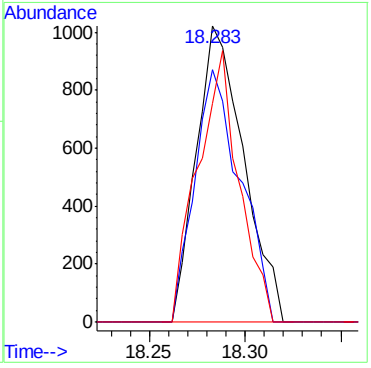


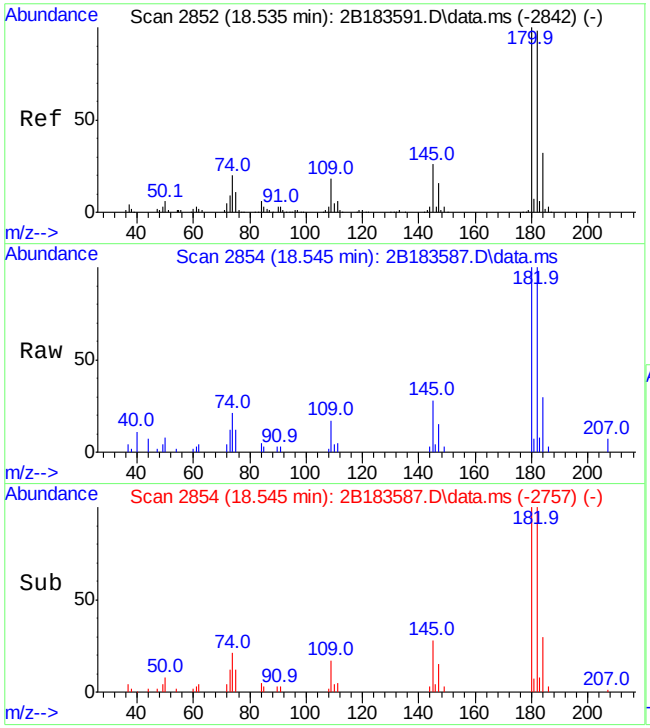


#118
1,2-dibromo-3-chloropropane
Concen: 1.73 ug/L
RT: 18.283 min Scan# 2804
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:157 Resp: 1751

Ion	Ratio	Lower	Upper
157	100		
155	85.2	47.6	107.6
75	74.0	38.4	98.4

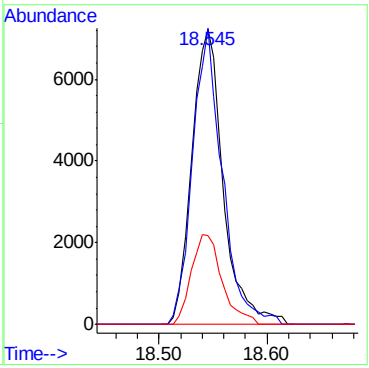


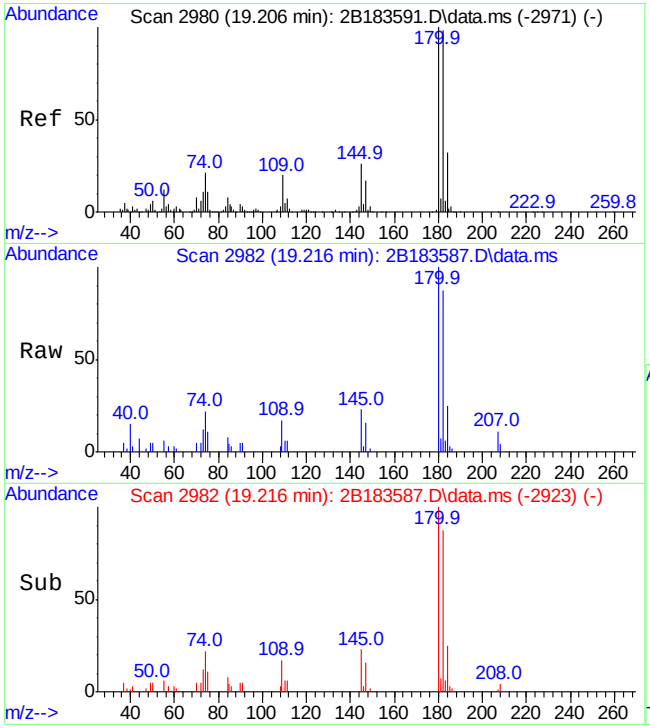


#119
1,3,5-trichlorobenzene
Concen: 2.17 ug/L
RT: 18.545 min Scan# 2854
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:180 Resp: 14593

Ion	Ratio	Lower	Upper
180	100		
182	100.2	67.9	127.9
184	30.1	1.5	61.5

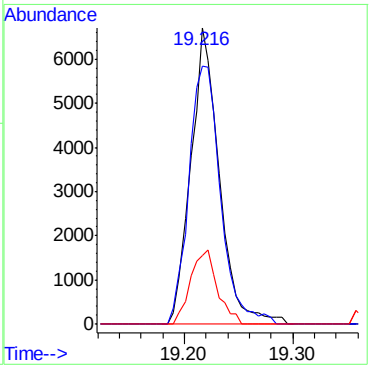


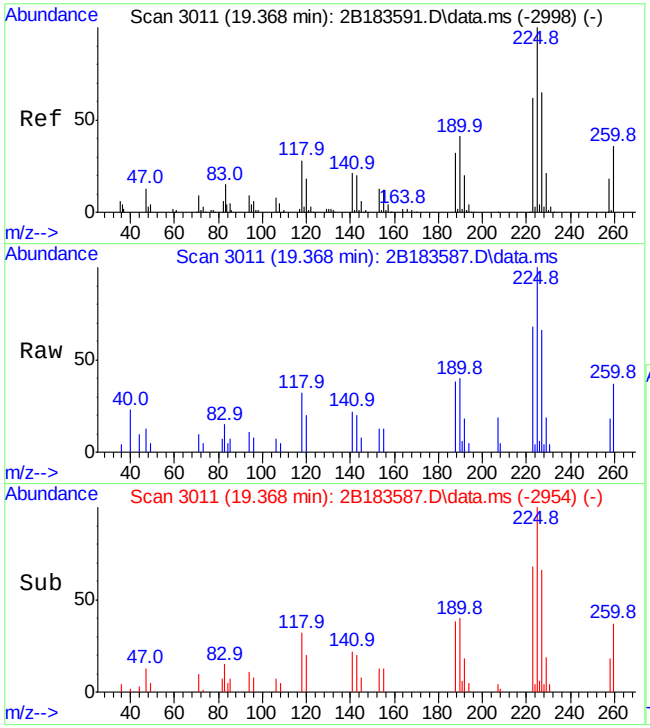


#121
1,2,4-trichlorobenzene
Concen: 2.09 ug/L
RT: 19.216 min Scan# 2982
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:180 Resp: 12267

Ion	Ratio	Lower	Upper
180	100		
182	87.2	68.2	128.2
145	23.2	0.0	56.2

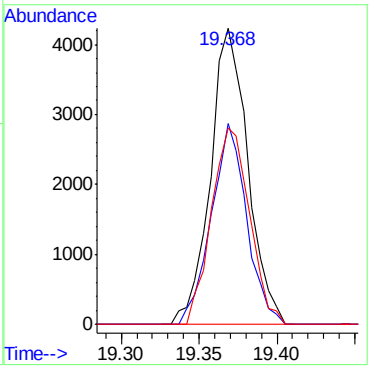


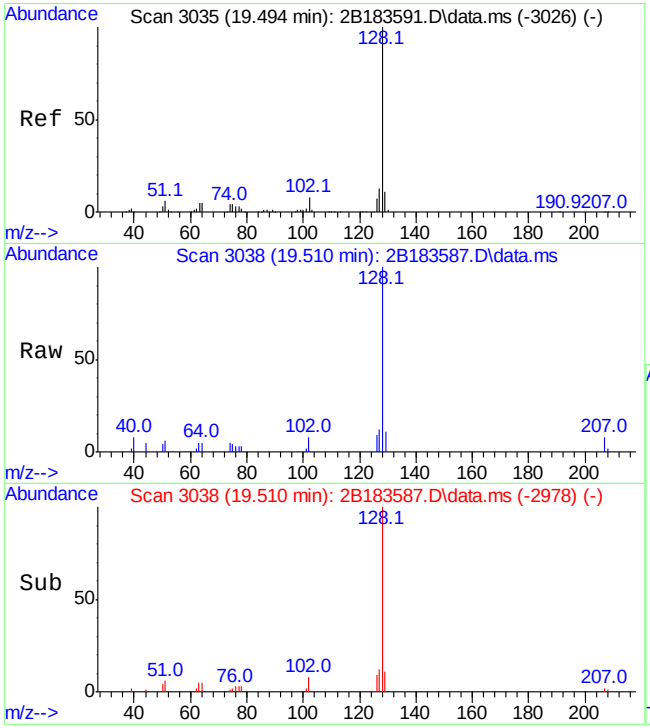


#122
hexachlorobutadiene
Concen: 2.26 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:225 Resp: 7084

Ion	Ratio	Lower	Upper
225	100		
223	67.7	32.1	92.1
227	66.3	34.7	94.7

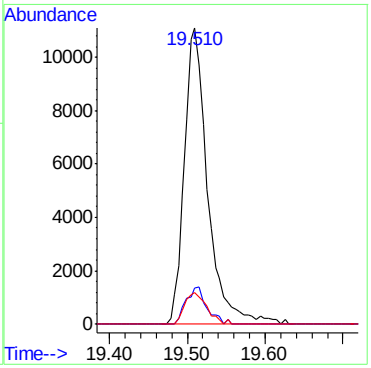


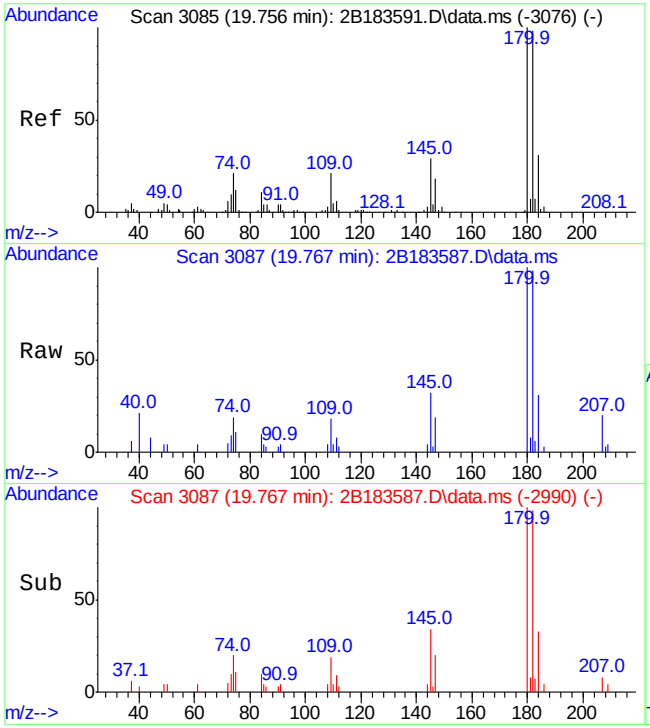


#123
naphthalene
Concen: 2.04 ug/L
RT: 19.510 min Scan# 3038
Delta R.T. 0.016 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:128 Resp: 23035

Ion	Ratio	Lower	Upper
128	100		
127	12.3	0.0	42.6
129	10.5	0.0	41.2

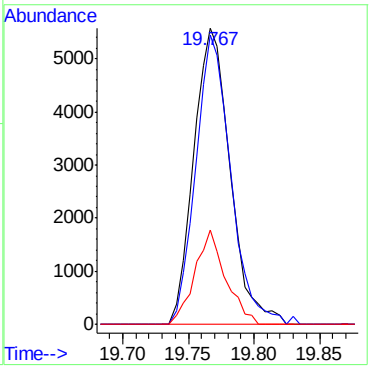




#124
1,2,3-trichlorobenzene
Concen: 2.11 ug/L
RT: 19.767 min Scan# 3087
Delta R.T. 0.010 min
Lab File: 2B183587.D
Acq: 16 Jun 21 7:24 pm

Tgt Ion:180 Resp: 10789

Ion	Ratio	Lower	Upper
180	100		
182	97.9	68.2	128.2
145	31.9	0.0	58.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183588.D
Acq On : 16 Jun 2021 7:53 pm
Operator : thienn
Sample : ic8337-4
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 19:00:50 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.755	65	133510	500.00	ug/L		0.00
5) pentafluorobenzene	10.256	168	368329	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	488280	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	451990	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	253228	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	164686	50.03	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.06%				
52) 1,2-dichloroethane-d4 (s)	10.681	65	172923	51.10	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.20%				
74) toluene-d8 (s)	12.951	98	556661	51.08	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.16%				
98) 4-bromofluorobenzene (s)	15.792	95	209635	49.50	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.00%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.902	59	5201	17.58	ug/L		91
3) ethanol	6.397	45	9815	388.04	ug/L		83
4) 1,4-dioxane	11.965	88	1747	71.42	ug/L		97
6) chlorodifluoromethane	4.169	51	17322	3.82	ug/L		95
7) dichlorodifluoromethane	4.153	85	22650	3.73	ug/L		95
8) chloromethane	4.557	50	22201	3.82	ug/L		97
9) vinyl chloride	4.808	62	20445	3.87	ug/L		96
10) 1,3-butadiene	4.835	54	13851	3.79	ug/L		95
11) bromomethane	5.458	94	14447	3.79	ug/L		92
12) chloroethane	5.642	64	9733	3.72	ug/L		93
13) trichlorofluoromethane	6.124	101	23769	3.76	ug/L		94
14) ethyl ether	6.628	74	6108	3.89	ug/L		90
16) freon 113	7.084	151	12535	3.92	ug/L		96
17) 1,1-dichloroethene	7.047	96	10675	3.89	ug/L		92
18) acetone	7.094	43	11496	16.52	ug/L		95
19) acetonitrile	7.508	41	11272	38.47	ug/L		95
20) iodomethane	7.309	142	23677	3.87	ug/L		98
21) carbon disulfide	7.472	76	35938	3.83	ug/L		97
22) methylene chloride	7.792	84	11695	3.96	ug/L		97
23) methyl acetate	7.666	43	7479	4.17	ug/L		94
24) methyl tert butyl ether	8.248	73	34506	3.91	ug/L		99
25) trans-1,2-dichloroethene	8.263	96	11527	3.87	ug/L		95
26) di-isopropyl ether	8.935	45	36251	4.03	ug/L		80
27) 2-butanone	9.637	72	3693	13.86	ug/L		94
28) 1,1-dichloroethane	8.851	63	20102	4.02	ug/L		99
29) chloroprene	9.008	53	14931	3.87	ug/L		98
31) hexane	8.683	56	7650	3.47	ug/L		91
33) ethyl tert-butyl ether	9.443	59	37945	3.86	ug/L		99
34) ethyl acetate	9.726	45	1105	3.30	ug/L	#	45
35) 2,2-dichloropropane	9.679	77	18642	3.95	ug/L		93
36) cis-1,2-dichloroethene	9.658	96	12590	3.99	ug/L		90
37) methyl acrylate	9.810	55	7194	3.43	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183588.D
Acq On : 16 Jun 2021 7:53 pm
Operator : thienn
Sample : ic8337-4
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 19:00:50 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) propionitrile	9.674	54	12335	38.66	ug/L		95
39) bromochloromethane	9.962	128	6808	3.79	ug/L		92
41) chloroform	10.041	85	13571	3.73	ug/L		98
42) t-butyl formate	10.130	59	8818	3.60	ug/L		94
44) methacrylonitrile	9.920	67	2934	2.85	ug/L		93
45) 1,1,1-trichloroethane	10.345	97	18201	3.72	ug/L		94
46) cyclohexane	10.466	84	16262	3.74	ug/L	#	75
47) 1,1-dichloropropene	10.555	75	14352	3.77	ug/L		96
48) iso-butyl alcohol	10.549	43	3329	38.55	ug/L	#	74
49) carbon tetrachloride	10.581	117	16817	3.67	ug/L		93
50) tert amyl alcohol	10.681	55	1697	18.69	ug/L	#	83
53) n-butyl alcohol	11.352	56	10176	172.23	ug/L		87
54) 2,2,4-trimethylpentane	10.906	57	36537	3.73	ug/L		97
55) benzene	10.812	78	40756	3.94	ug/L		98
56) tert-amyl methyl ether	10.901	87	8485	3.80	ug/L		93
57) heptane	11.095	71	8103	3.67	ug/L		93
58) isopropyl acetate	10.775	87	1835	3.33	ug/L	#	77
59) 1,2-dichloroethane	10.780	62	15129	3.83	ug/L		91
60) trichloroethene	11.577	130	12584	3.74	ug/L		99
61) ethyl acrylate	11.614	55	10142	3.54	ug/L		87
62) 2-nitropropane	12.327	41	2711	3.69	ug/L	#	82
63) 2-chloroethyl vinyl ether	12.395	63	32081	19.53	ug/L		97
64) methyl methacrylate	11.886	100	1998	3.10	ug/L	#	15
65) 1,2-dichloropropane	11.813	63	10715	3.83	ug/L		99
66) dibromomethane	11.960	93	7264	3.89	ug/L		93
67) methylcyclohexane	11.850	83	19815	3.78	ug/L		97
68) bromodichloromethane	12.101	83	15566	3.92	ug/L		98
69) epichlorohydrin	12.489	57	4748	19.08	ug/L		91
70) cis-1,3-dichloropropene	12.610	75	18062	3.83	ug/L		98
71) 4-methyl-2-pentanone	12.731	58	14658	15.31	ug/L		96
72) 3-methyl-1-butanol	12.762	70	3886	68.33	ug/L	#	58
75) toluene	13.035	92	25639	3.97	ug/L		99
76) trans-1,3-dichloropropene	13.213	75	15091	3.91	ug/L		99
77) ethyl methacrylate	13.260	69	11772	3.76	ug/L		96
78) 1,1,2-trichloroethane	13.423	83	8231	4.12	ug/L		95
79) tetrachloroethene	13.674	164	11252	4.01	ug/L		91
80) 1,3-dichloropropane	13.622	76	15932	3.93	ug/L		98
81) 2-hexanone	13.648	58	12229	15.62	ug/L		97
82) butyl acetate	13.774	56	5460	3.65	ug/L		90
83) dibromochloromethane	13.895	129	13216	4.04	ug/L		97
84) 1,2-dibromoethane	14.062	107	10433	3.94	ug/L		98
85) n-butyl ether	14.581	57	38462	3.85	ug/L		99
86) chlorobenzene	14.587	112	30652	3.99	ug/L		91
87) 1,1,1,2-tetrachloroethane	14.650	131	12709	3.97	ug/L		98
88) ethylbenzene	14.676	91	50092	4.04	ug/L		97
89) m,p-xylene	14.796	106	40803	8.15	ug/L		98
90) o-xylene	15.231	106	21429	4.02	ug/L		97
91) styrene	15.242	104	35094	4.12	ug/L		99
92) n-amyl acetate	15.289	70	6208	3.54	ug/L		97
93) bromoform	15.467	173	9971	3.88	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183588.D
Acq On : 16 Jun 2021 7:53 pm
Operator : thienn
Sample : ic8337-4
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 19:00:50 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

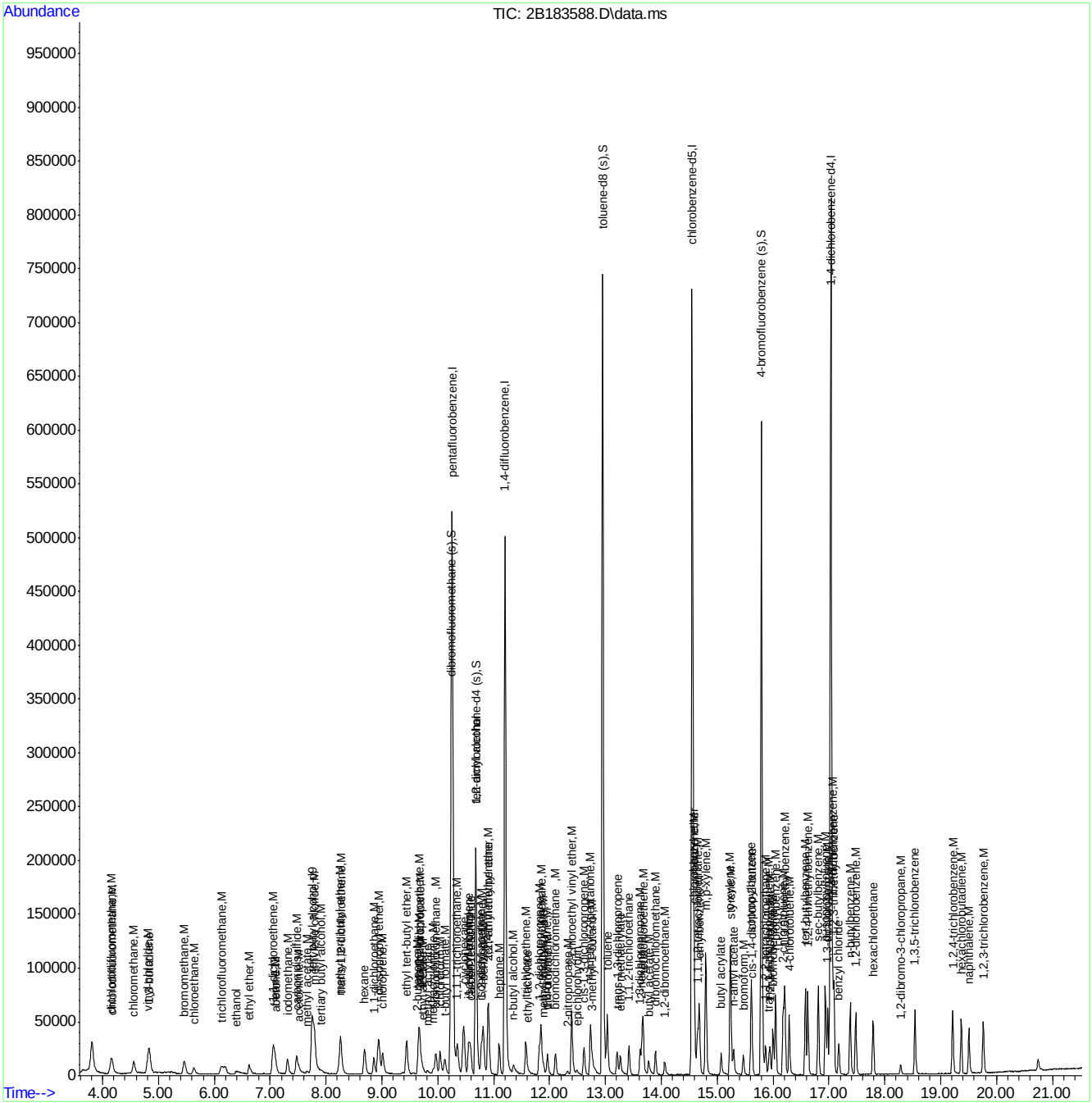
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	butyl acrylate	15.069	55	17580	3.58	ug/L	97
95)	isopropylbenzene	15.609	105	57993	3.99	ug/L	99
96)	cis-1,4-dichloro-2-butene	15.625	88	4587	3.74	ug/L	93
99)	bromobenzene	16.002	156	15940	3.87	ug/L	87
100)	1,1,2,2-tetrachloroethane	15.866	83	12918	3.81	ug/L	93
101)	trans-1,4-dichloro-2-b...	15.924	53	3185	3.62	ug/L	94
102)	1,2,3-trichloropropane	15.945	110	3649	3.71	ug/L	96
103)	n-propylbenzene	16.044	91	62164	3.95	ug/L	98
104)	2-chlorotoluene	16.180	126	13983	3.77	ug/L	99
105)	4-chlorotoluene	16.291	91	38574	3.88	ug/L	97
106)	1,3,5-trimethylbenzene	16.212	105	47077	3.95	ug/L	97
107)	tert-butylbenzene	16.579	134	10463	3.69	ug/L	92
108)	1,2,4-trimethylbenzene	16.626	105	49326	3.98	ug/L	97
109)	sec-butylbenzene	16.810	105	62088	3.77	ug/L	97
110)	1,3-dichlorobenzene	16.977	146	30505	3.94	ug/L	99
111)	p-isopropyltoluene	16.941	119	55271	3.83	ug/L	99
112)	1,4-dichlorobenzene	17.061	146	28551	3.76	ug/L	95
113)	benzyl chloride	17.171	91	24910	3.59	ug/L	96
114)	1,2,3-trimethylbenzene	17.088	105	47057	3.88	ug/L	99
115)	1,2-dichlorobenzene	17.481	146	30299	3.92	ug/L	98
116)	n-butylbenzene	17.381	92	24007	3.53	ug/L	98
117)	hexachloroethane	17.790	201	10214	3.41	ug/L	87
118)	1,2-dibromo-3-chloropr...	18.283	157	3524	3.37	ug/L	98
119)	1,3,5-trichlorobenzene	18.540	180	26026	3.81	ug/L	97
121)	1,2,4-trichlorobenzene	19.216	180	23115	3.74	ug/L	96
122)	hexachlorobutadiene	19.368	225	13008	4.10	ug/L	94
123)	naphthalene	19.505	128	45001	3.81	ug/L	98
124)	1,2,3-trichlorobenzene	19.767	180	20022	3.84	ug/L	99

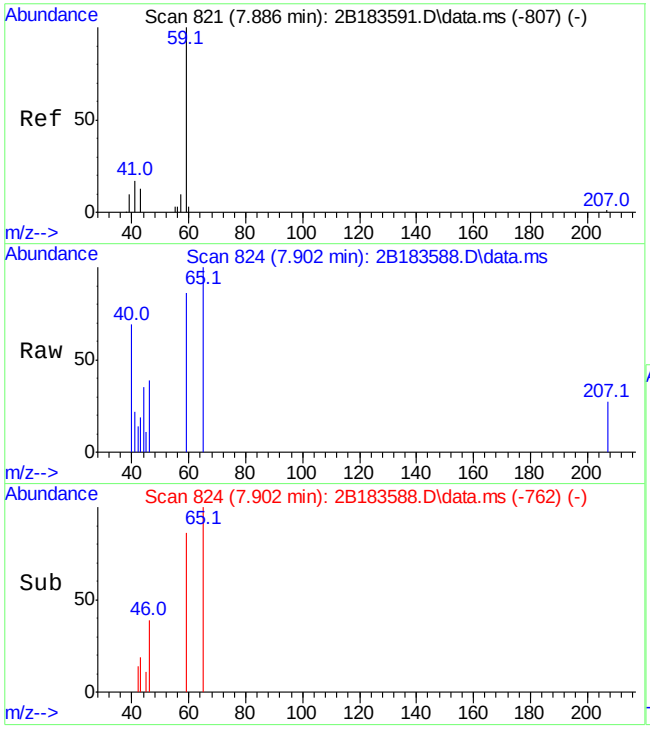
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183588.D
Acq On : 16 Jun 2021 7:53 pm
Operator : thienn
Sample : ic8337-4
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 17 19:00:50 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

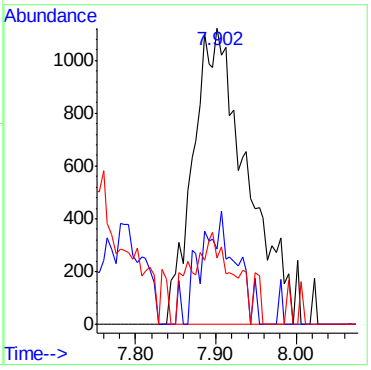


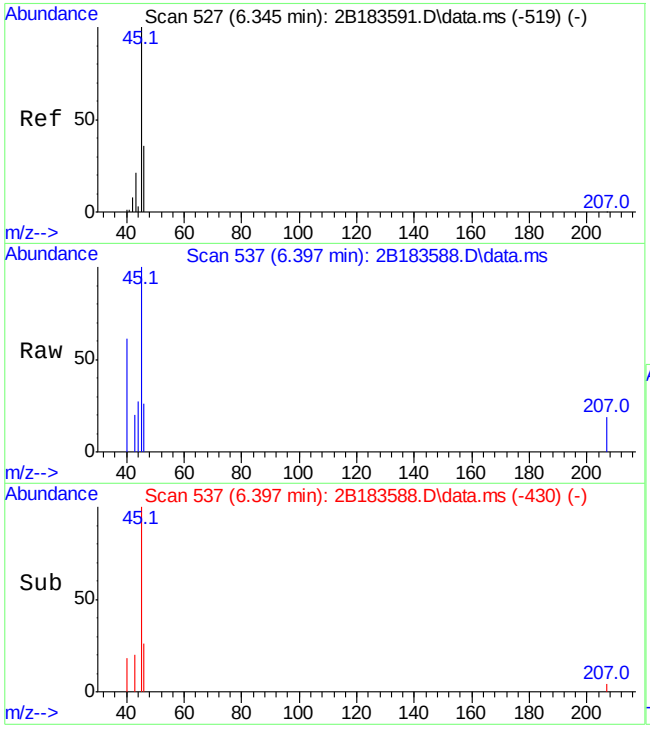


#2
tertiary butyl alcohol
Concen: 17.58 ug/L
RT: 7.902 min Scan# 824
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 59 Resp: 5201

Ion	Ratio	Lower	Upper
59	100		
41	25.5	0.0	52.7
43	22.4	0.0	46.6

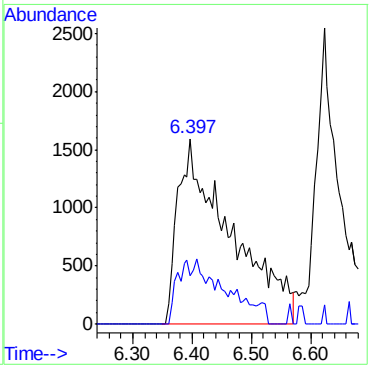


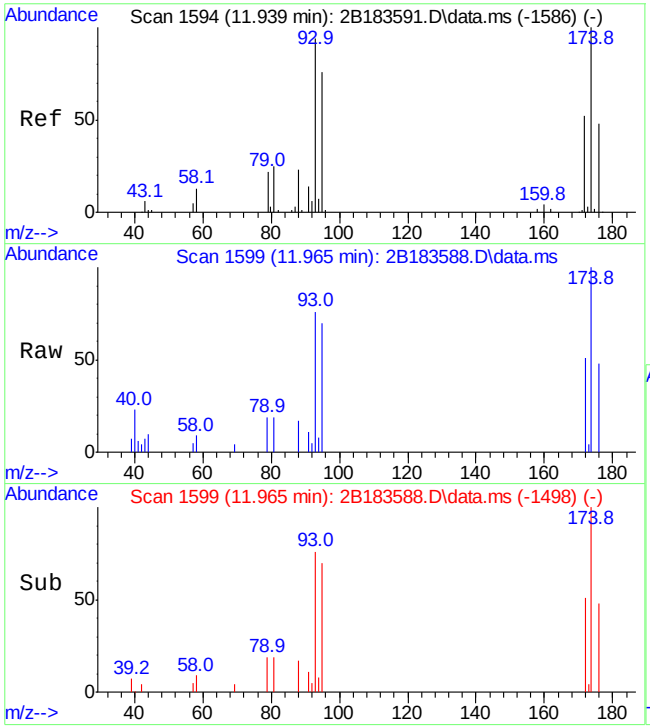


#3
ethanol
Concen: 388.04 ug/L
RT: 6.397 min Scan# 537
Delta R.T. 0.063 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 45 Resp: 9815

Ion	Ratio	Lower	Upper
45	100		
46	25.9	6.1	66.1

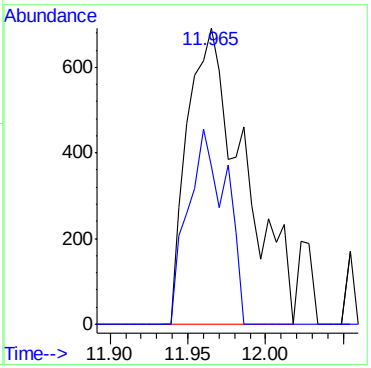


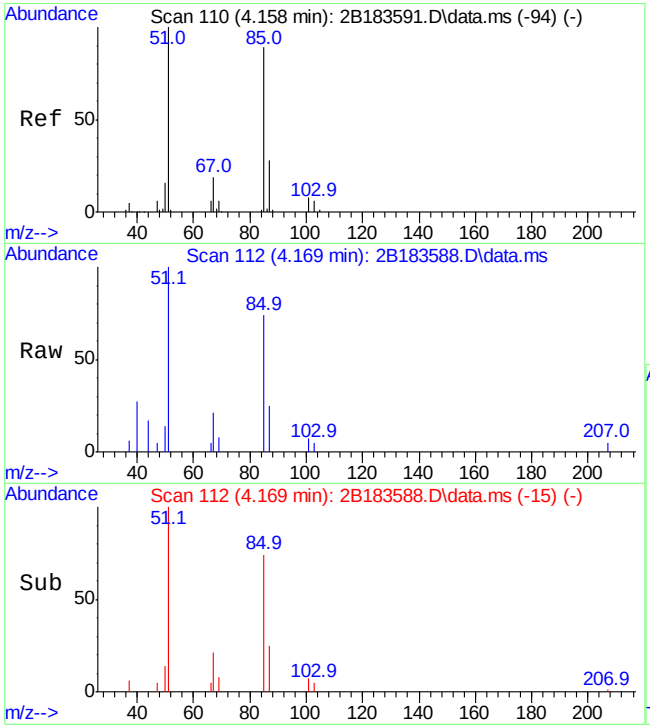


#4
1,4-dioxane
Concen: 71.42 ug/L
RT: 11.965 min Scan# 1599
Delta R.T. 0.031 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 88 Resp: 1747

Ion	Ratio	Lower	Upper
88	100		
58	53.5	25.6	85.6

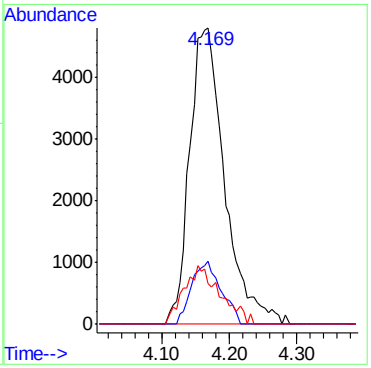


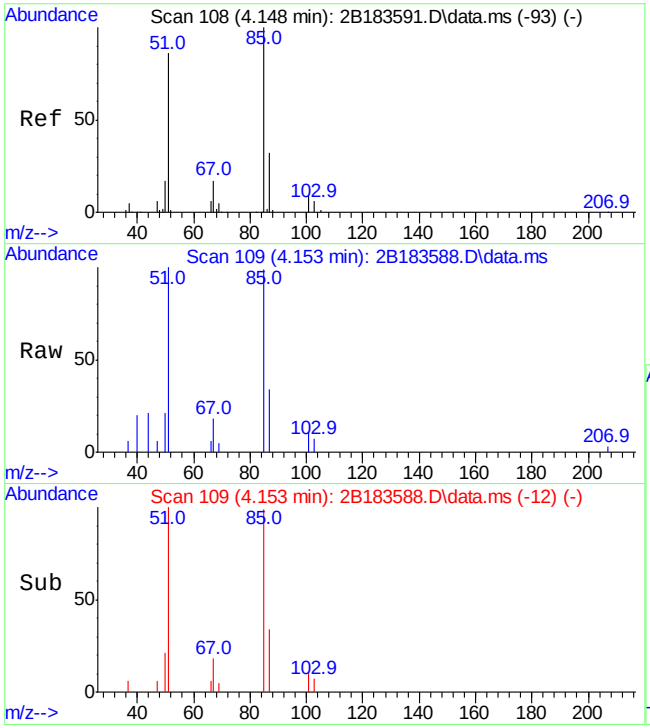


#6
chlorodifluoromethane
Concen: 3.82 ug/L
RT: 4.169 min Scan# 112
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 51 Resp: 17322

Ion	Ratio	Lower	Upper
51	100		
67	21.4	0.0	48.7
50	13.8	0.0	45.8

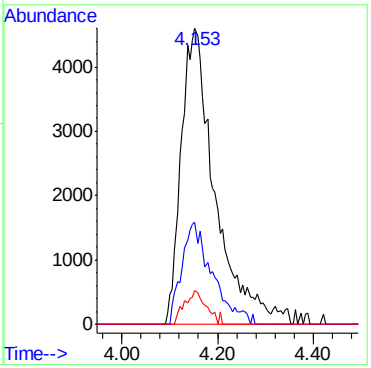


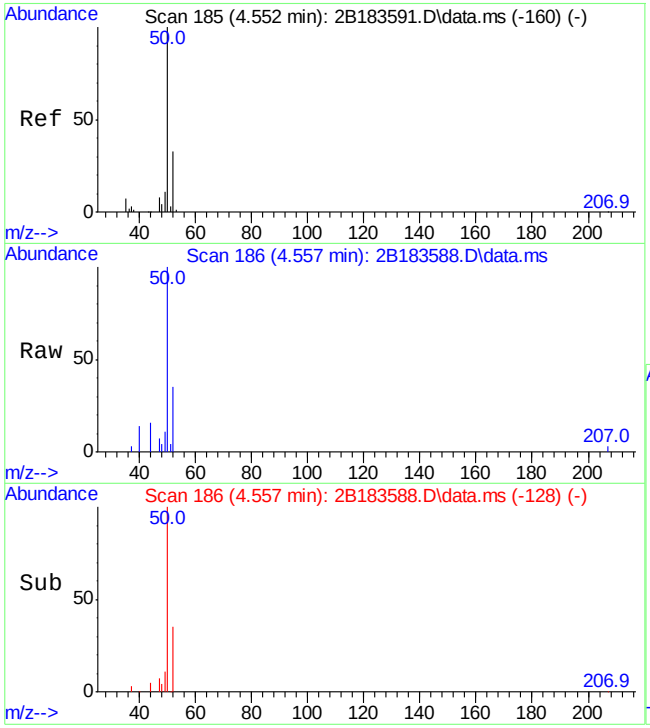


#7
dichlorodifluoromethane
Concen: 3.73 ug/L
RT: 4.153 min Scan# 109
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 85 Resp: 22650

Ion	Ratio	Lower	Upper
85	100		
87	34.6	1.9	61.9
101	11.5	0.0	39.2

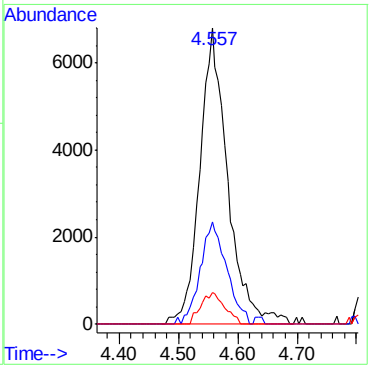


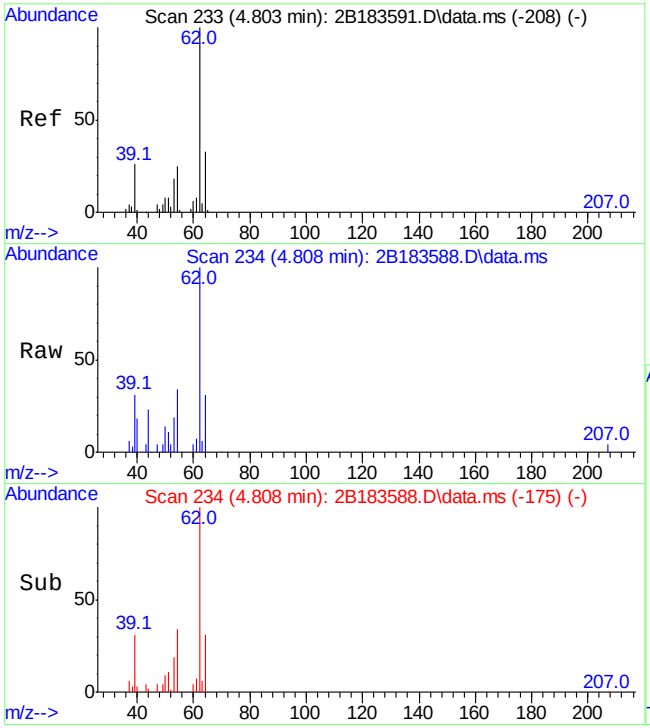


#8
chloromethane
Concen: 3.82 ug/L
RT: 4.557 min Scan# 186
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 50 Resp: 22201

Ion	Ratio	Lower	Upper
50	100		
52	34.7	2.9	62.9
49	10.5	0.0	41.3

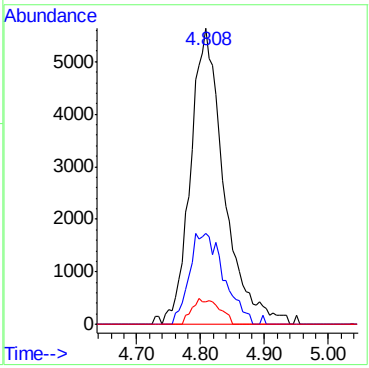


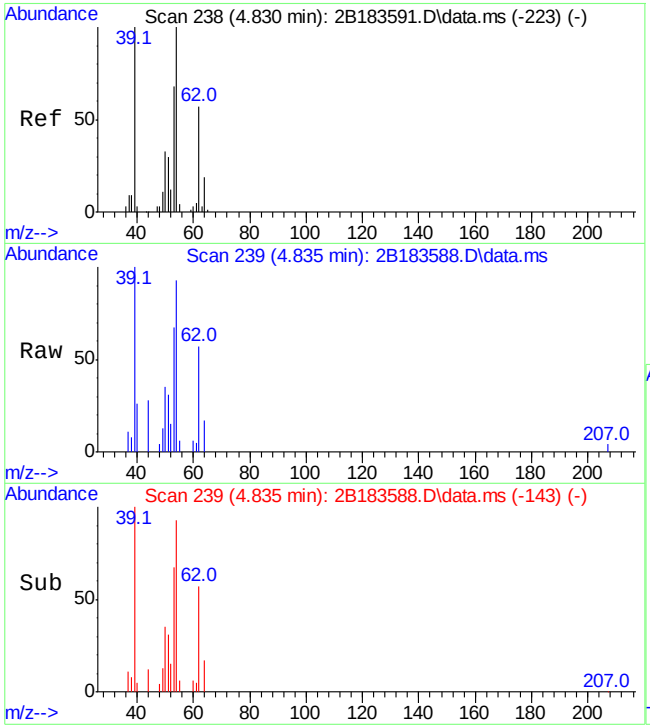


#9
vinyl chloride
Concen: 3.87 ug/L
RT: 4.808 min Scan# 234
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 62 Resp: 20445

Ion	Ratio	Lower	Upper
62	100		
64	30.6	3.0	63.0
61	7.4	0.0	38.4

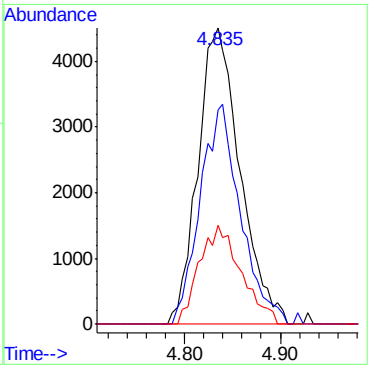


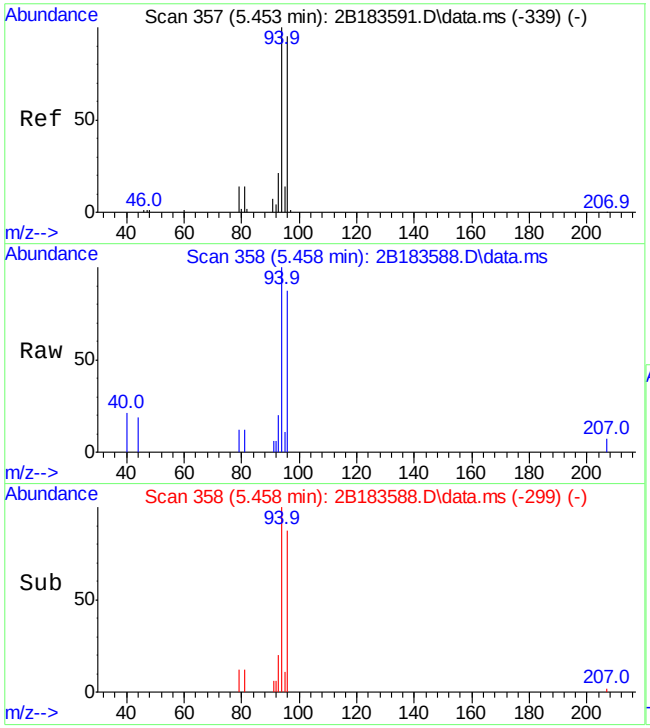


#10
1,3-butadiene
Concen: 3.79 ug/L
RT: 4.835 min Scan# 239
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 54 Resp: 13851

Ion	Ratio	Lower	Upper
54	100		
53	72.2	38.4	98.4
51	33.6	0.0	60.0

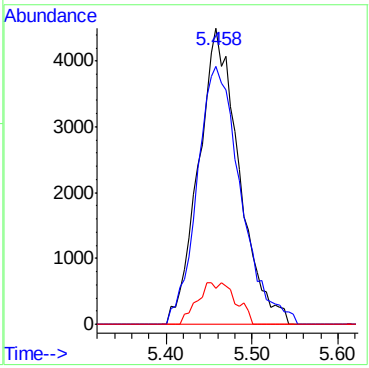


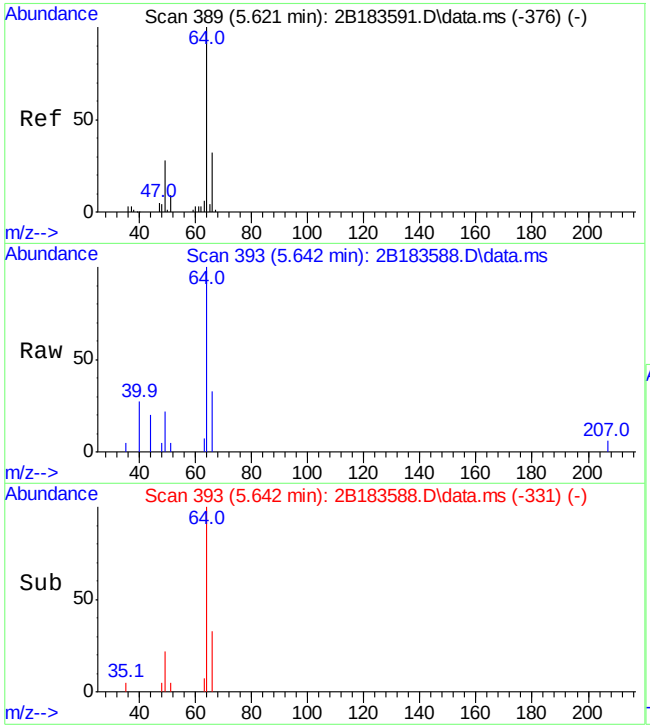


#11
bromomethane
Concen: 3.79 ug/L
RT: 5.458 min Scan# 358
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 94 Resp: 14447

Ion	Ratio	Lower	Upper
94	100		
96	87.2	65.2	125.2
79	12.0	0.0	44.4

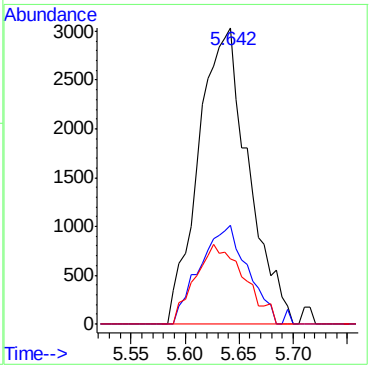


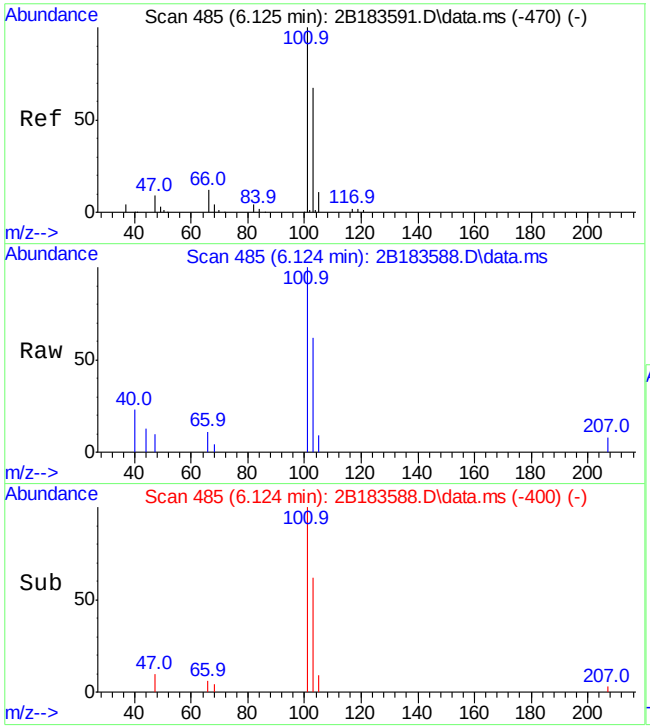


#12
chloroethane
Concen: 3.72 ug/L
RT: 5.642 min Scan# 393
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 64 Resp: 9733

Ion	Ratio	Lower	Upper
64	100		
66	33.5	1.7	61.7
49	21.9	0.0	57.6

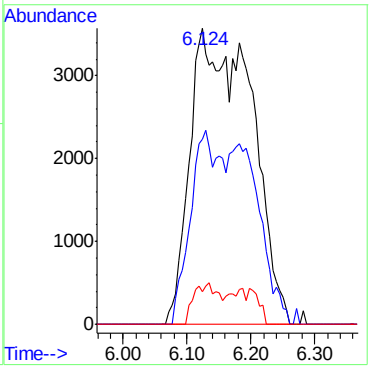


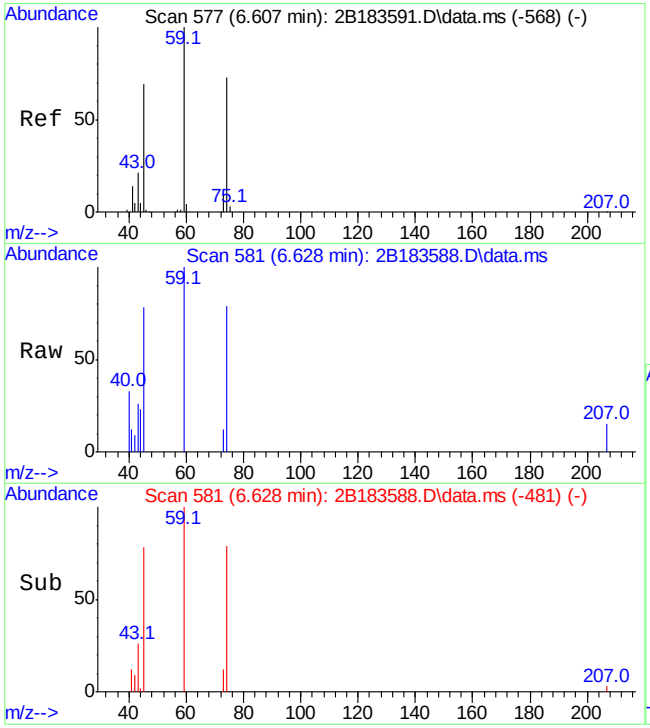


#13
trichlorofluoromethane
Concen: 3.76 ug/L
RT: 6.124 min Scan# 485
Delta R.T. -0.053 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:101 Resp: 23769

Ion	Ratio	Lower	Upper
101	100		
103	62.4	37.3	97.3
66	11.1	0.0	42.3

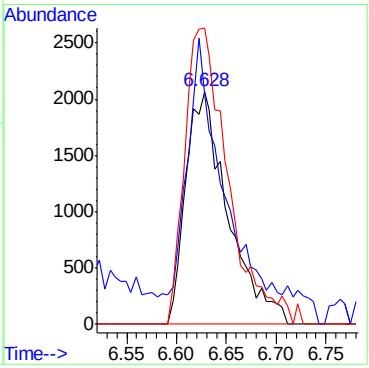


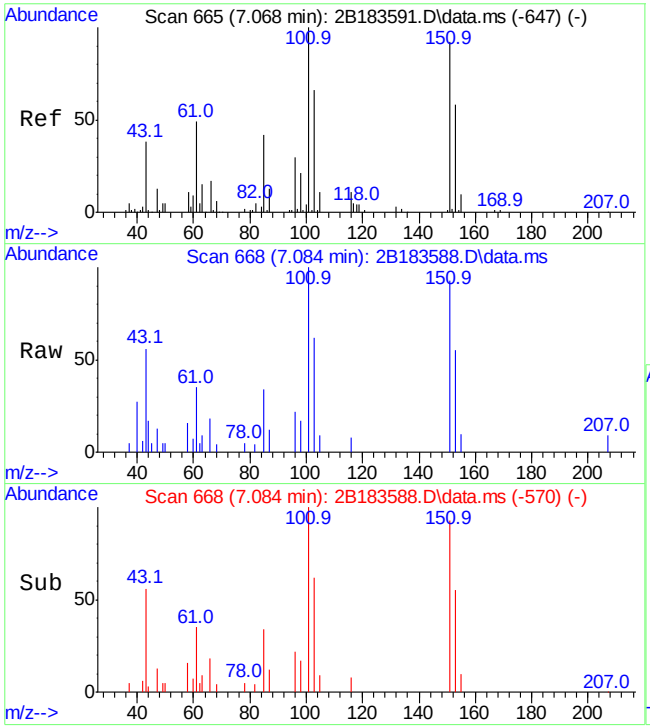


#14
ethyl ether
Concen: 3.89 ug/L
RT: 6.628 min Scan# 581
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 74 Resp: 6108

Ion	Ratio	Lower	Upper
74	100		
45	87.3	69.2	129.2
59	127.3	107.5	167.5

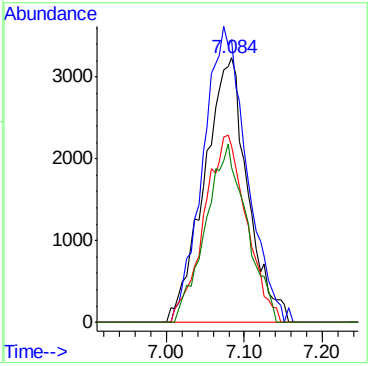


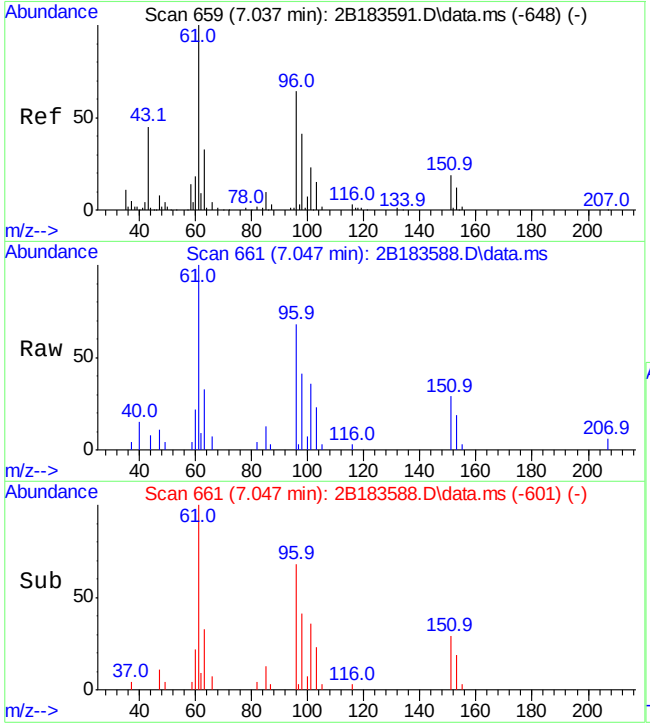


#16
freon 113
Concen: 3.92 ug/L
RT: 7.084 min Scan# 668
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:151 Resp: 12535

Ion	Ratio	Lower	Upper
151	100		
101	107.1	88.6	128.6
103	66.9	52.2	92.2
153	58.8	42.8	82.8

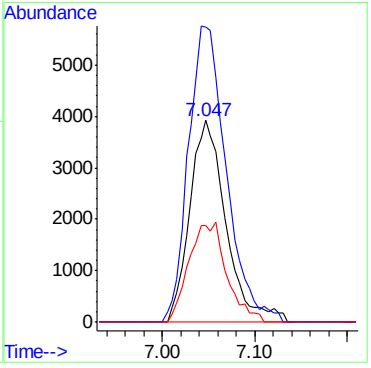


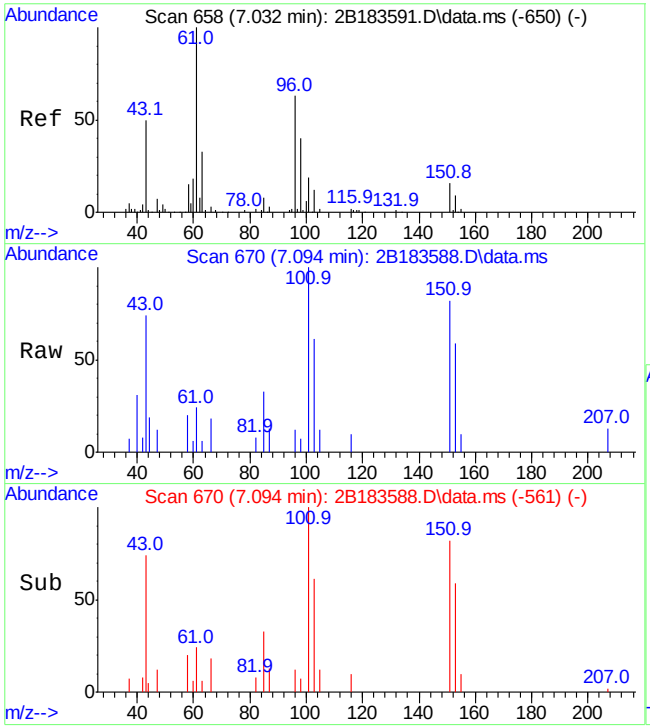


#17
1,1-dichloroethene
Concen: 3.89 ug/L
RT: 7.047 min Scan# 661
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 96 Resp: 10675

Ion	Ratio	Lower	Upper
96	100		
61	146.6	127.2	187.2
63	47.7	21.7	81.7

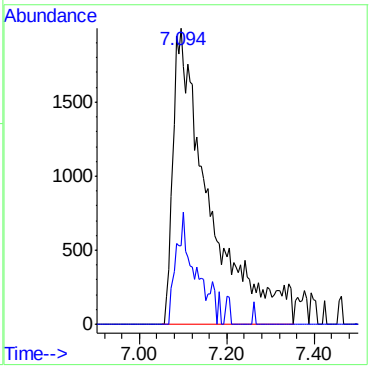


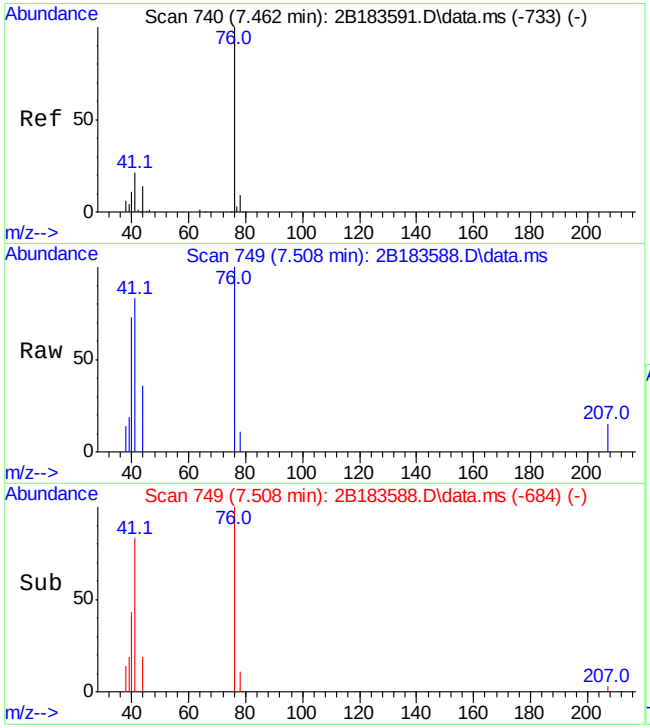


#18
acetone
Concen: 16.52 ug/L
RT: 7.094 min Scan# 670
Delta R.T. 0.073 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 43 Resp: 11496

Ion	Ratio	Lower	Upper
43	100		
58	26.6	0.0	59.5

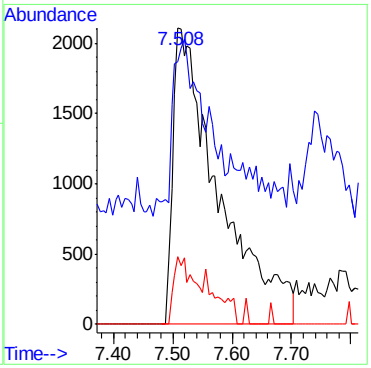


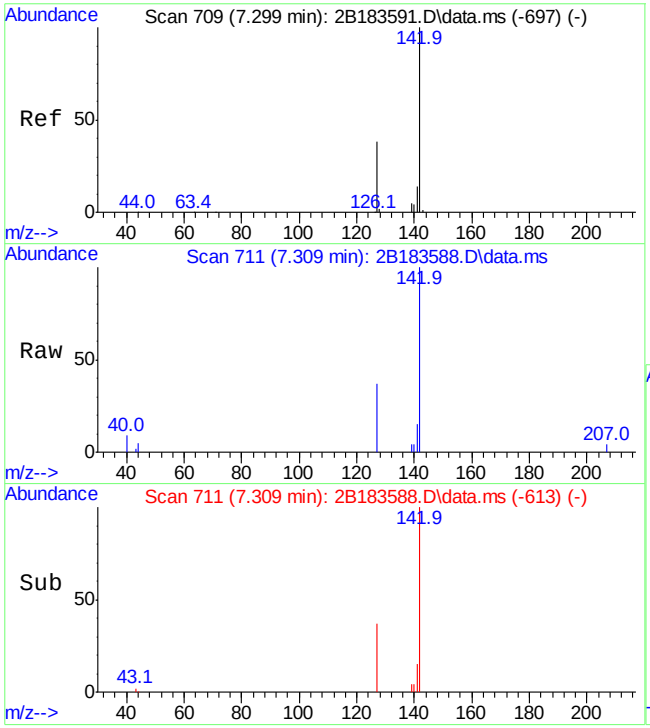


#19
acetonitrile
Concen: 38.47 ug/L
RT: 7.508 min Scan# 749
Delta R.T. 0.063 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 41 Resp: 11272

Ion	Ratio	Lower	Upper
41	100		
40	47.3	21.2	81.2
39	22.6	0.0	51.1

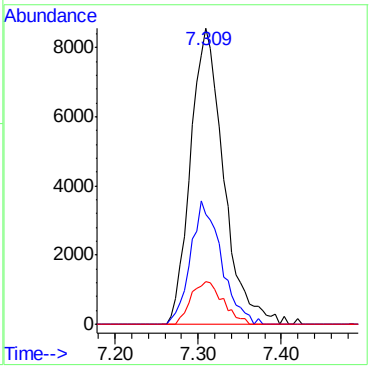


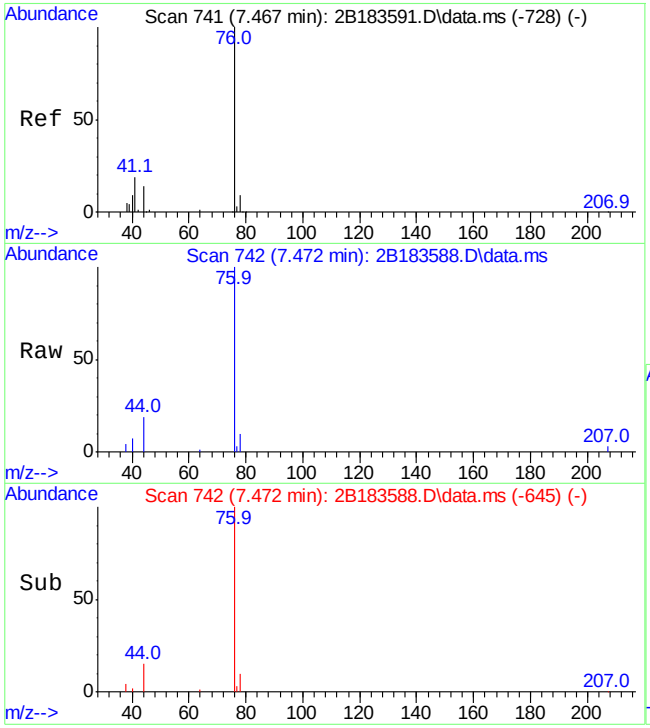


#20
iodomethane
Concen: 3.87 ug/L
RT: 7.309 min Scan# 711
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:142 Resp: 23677

Ion	Ratio	Lower	Upper
142	100		
127	37.0	8.2	68.2
141	14.5	0.0	43.6

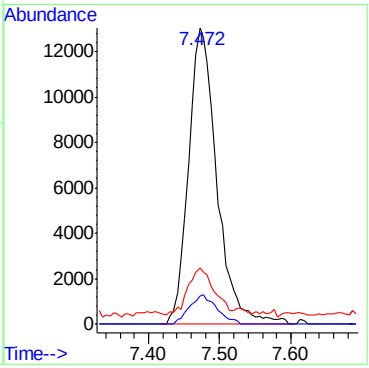


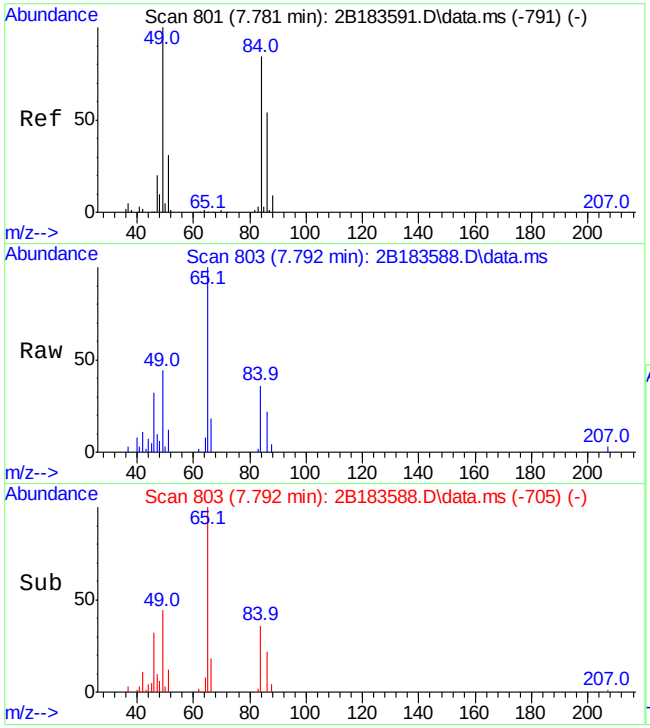


#21
carbon disulfide
Concen: 3.83 ug/L
RT: 7.472 min Scan# 742
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 76 Resp: 35938

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.2
44	15.6	0.0	44.1

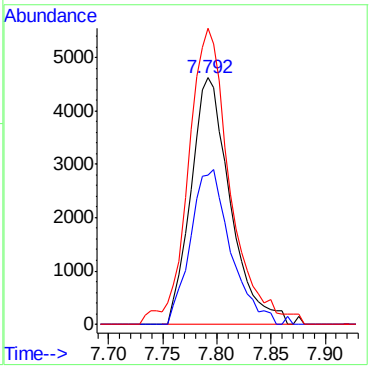


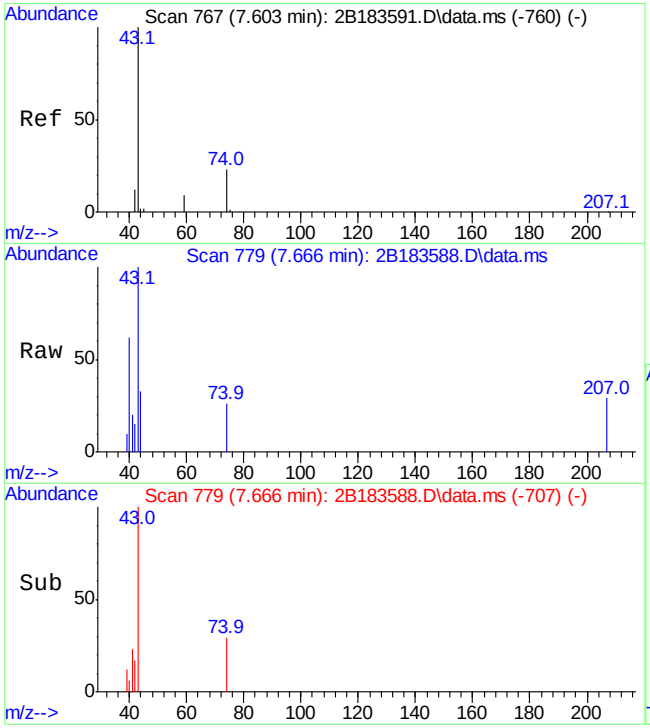


#22
methylene chloride
Concen: 3.96 ug/L
RT: 7.792 min Scan# 803
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 84 Resp: 11695

Ion	Ratio	Lower	Upper
84	100		
86	60.8	34.1	94.1
49	116.2	88.6	148.6

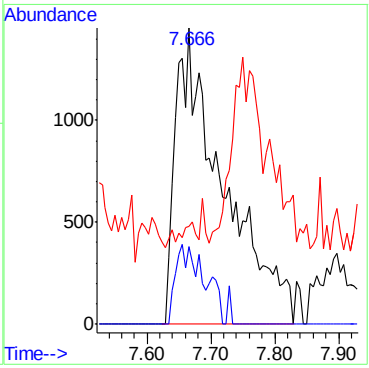


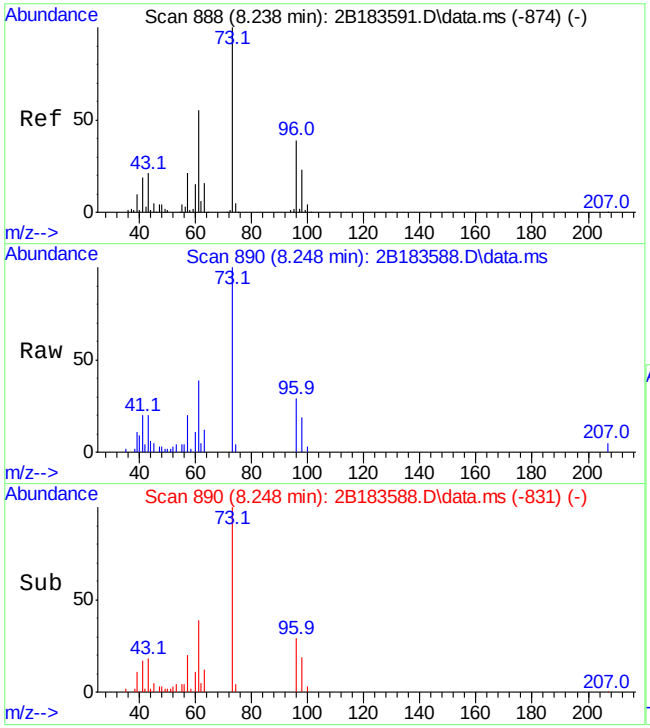


#23
methyl acetate
Concen: 4.17 ug/L
RT: 7.666 min Scan# 779
Delta R.T. 0.079 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 43 Resp: 7479

Ion	Ratio	Lower	Upper
43	100		
74	26.0	0.0	53.3
44	5.3	0.0	32.4

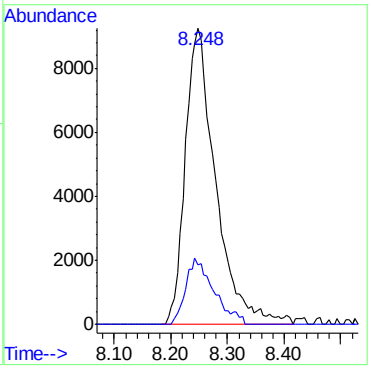


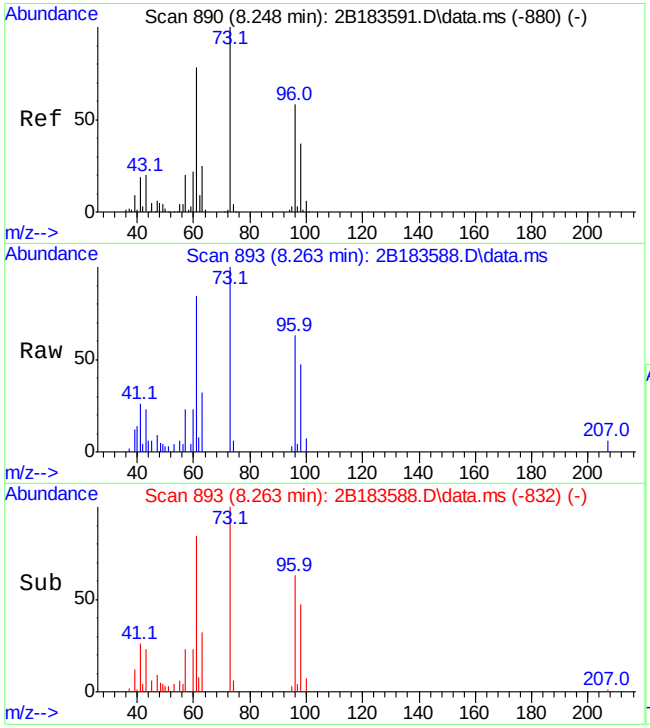


#24
methyl tert butyl ether
Concen: 3.91 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 73 Resp: 34506

Ion	Ratio	Lower	Upper
73	100		
57	20.0	0.0	220.5

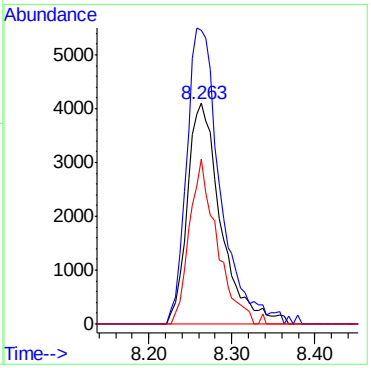


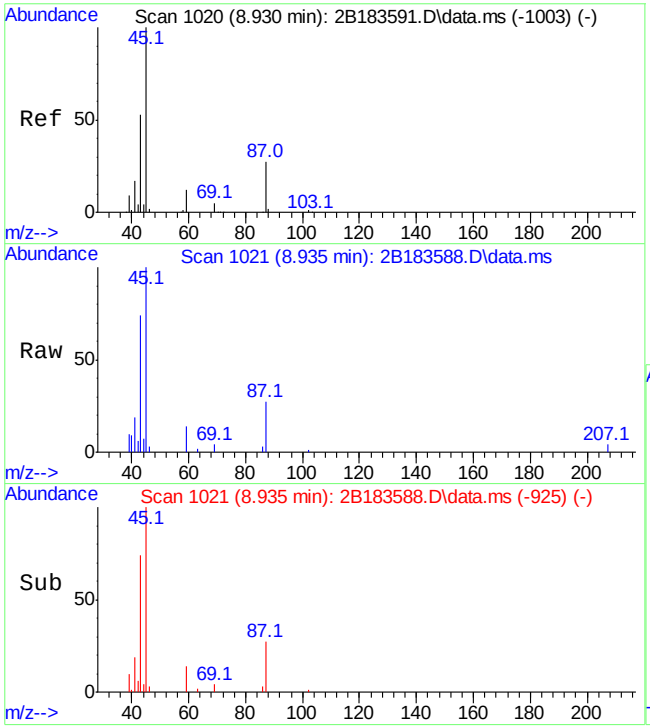


#25
trans-1,2-dichloroethene
Concen: 3.87 ug/L
RT: 8.263 min Scan# 893
Delta R.T. 0.021 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 96 Resp: 11527

Ion	Ratio	Lower	Upper
96	100		
61	133.0	103.8	163.8
98	74.9	34.0	94.0

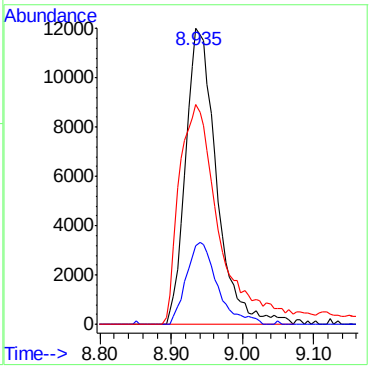


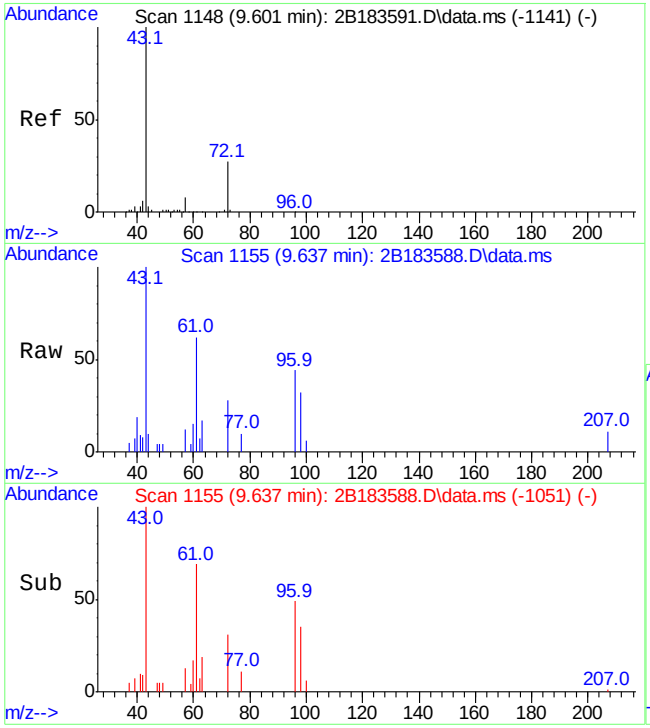


#26
di-isopropyl ether
Concen: 4.03 ug/L
RT: 8.935 min Scan# 1021
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 45 Resp: 36251

Ion	Ratio	Lower	Upper
45	100		
87	26.5	0.0	58.2
43	74.2	23.5	83.5

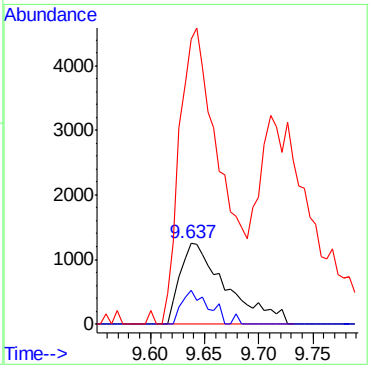


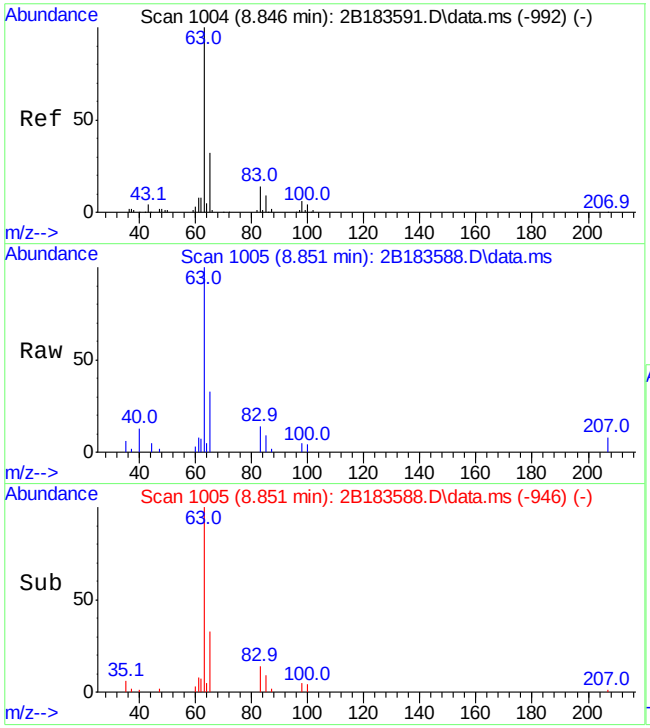


#27
2-butanone
Concen: 13.86 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.047 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 72 Resp: 3693

Ion	Ratio	Lower	Upper
72	100		
57	41.9	0.0	59.8
43	352.7	334.2	394.2

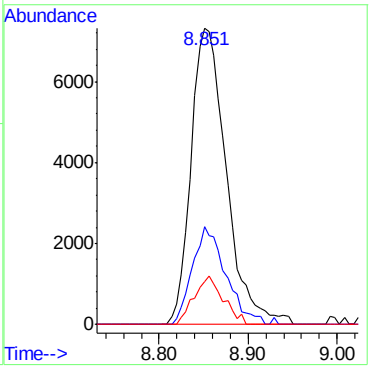


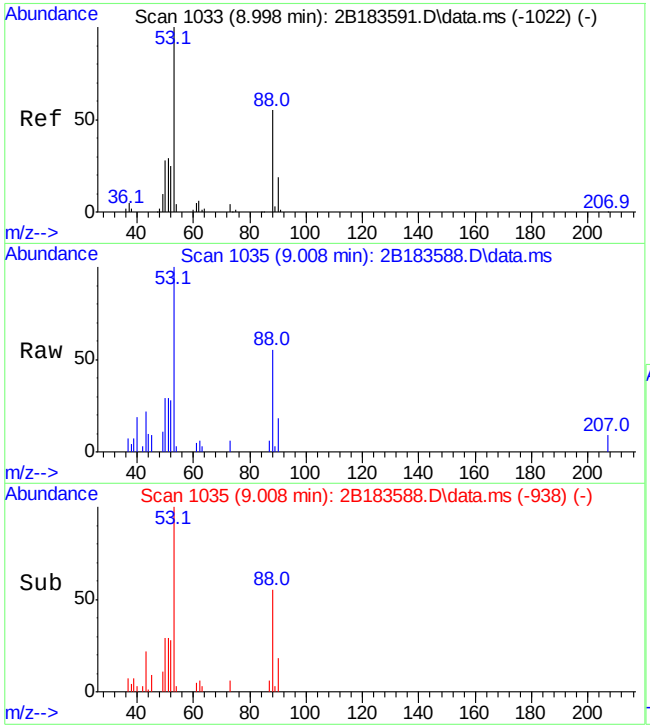


#28
1,1-dichloroethane
Concen: 4.02 ug/L
RT: 8.851 min Scan# 1005
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 63 Resp: 20102

Ion	Ratio	Lower	Upper
63	100		
65	33.1	2.1	62.1
83	14.5	0.0	44.4

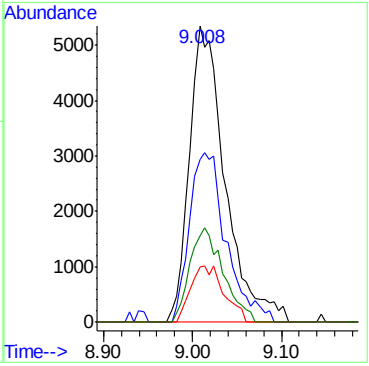


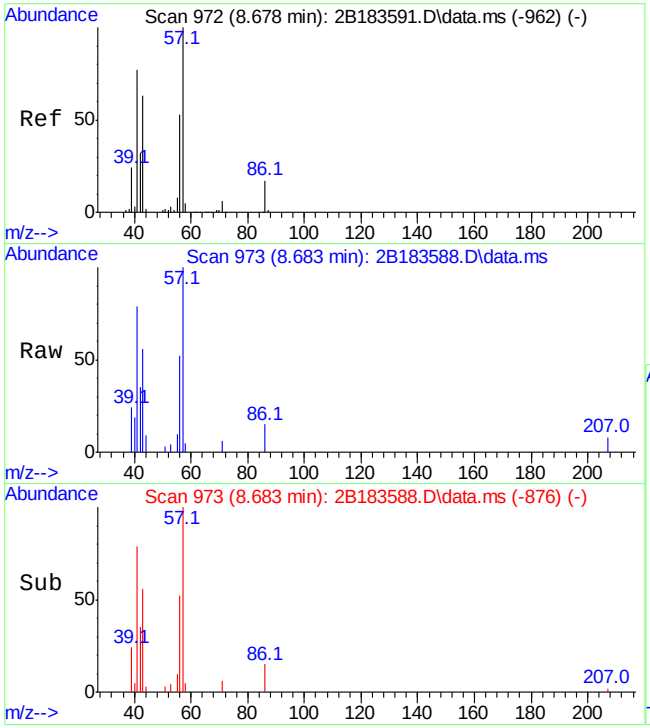


#29
chloroprene
Concen: 3.87 ug/L
RT: 9.008 min Scan# 1035
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 53 Resp: 14931

Ion	Ratio	Lower	Upper
53	100		
88	55.0	27.6	87.6
90	18.4	0.0	48.9
51	29.1	0.0	59.1

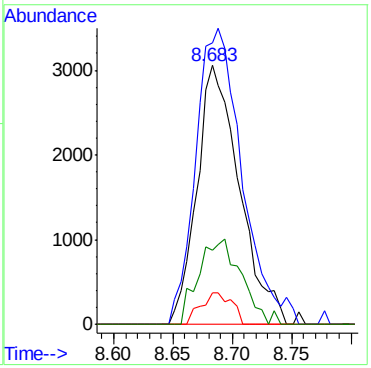


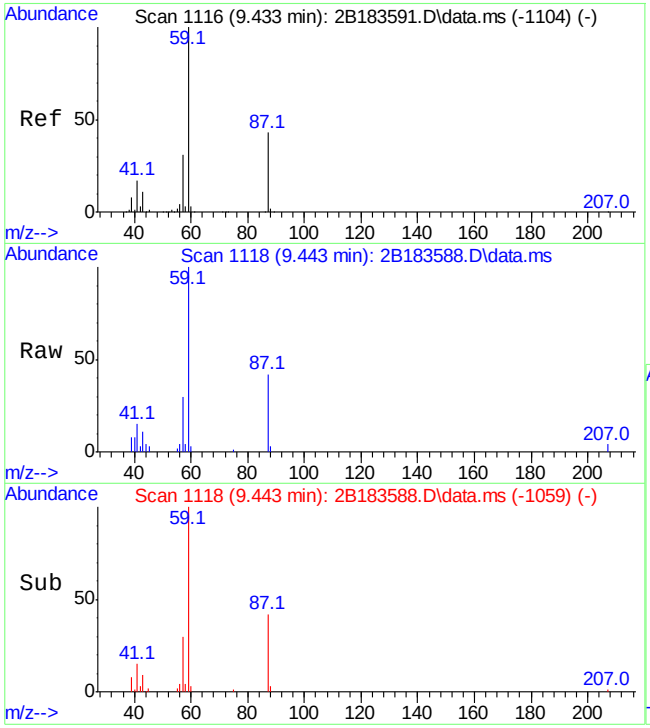


#31
hexane
Concen: 3.47 ug/L
RT: 8.683 min Scan# 973
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 56 Resp: 7650

Ion	Ratio	Lower	Upper
56	100		
43	108.7	99.4	139.4
71	12.2	0.0	31.0
86	28.4	12.3	52.3

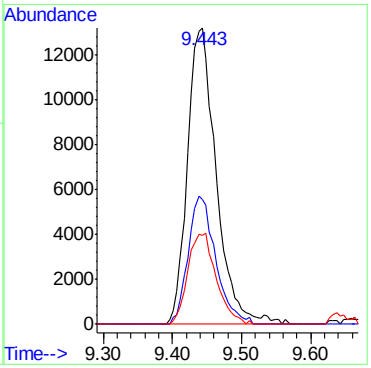


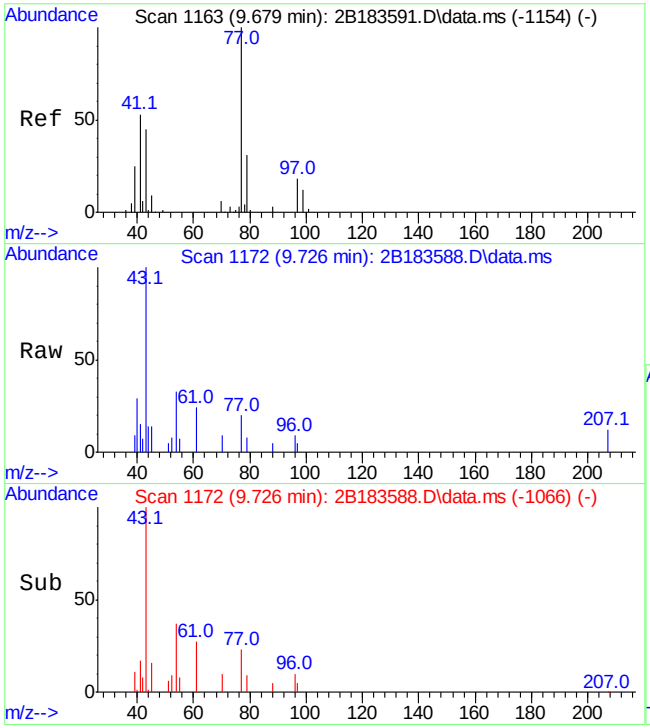


#33
ethyl tert-butyl ether
Concen: 3.86 ug/L
RT: 9.443 min Scan# 1118
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 59 Resp: 37945

Ion	Ratio	Lower	Upper
59	100		
87	42.2	12.7	72.7
57	29.9	0.9	60.9

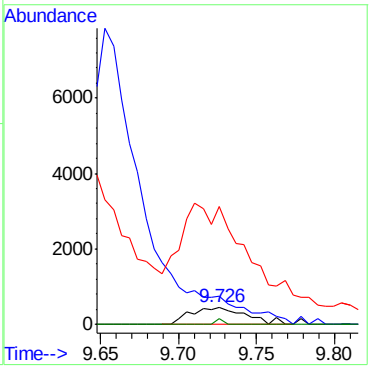


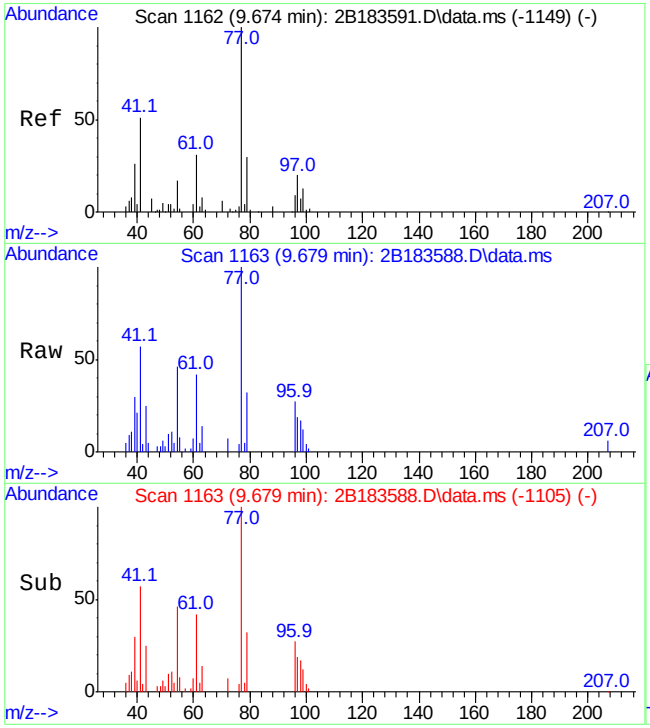


#34
ethyl acetate
Concen: 3.30 ug/L
RT: 9.726 min Scan# 1172
Delta R.T. 0.058 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 45 Resp: 1105

Ion	Ratio	Lower	Upper
45	100		
61	166.1	302.1	362.1#
43	527.8	653.2	713.2#
88	34.1	1.5	61.5

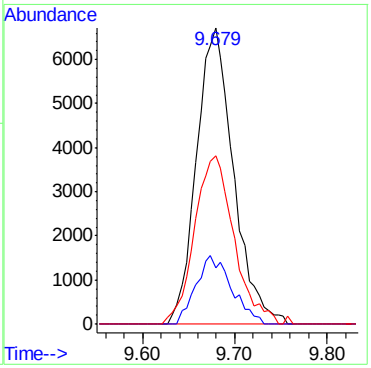


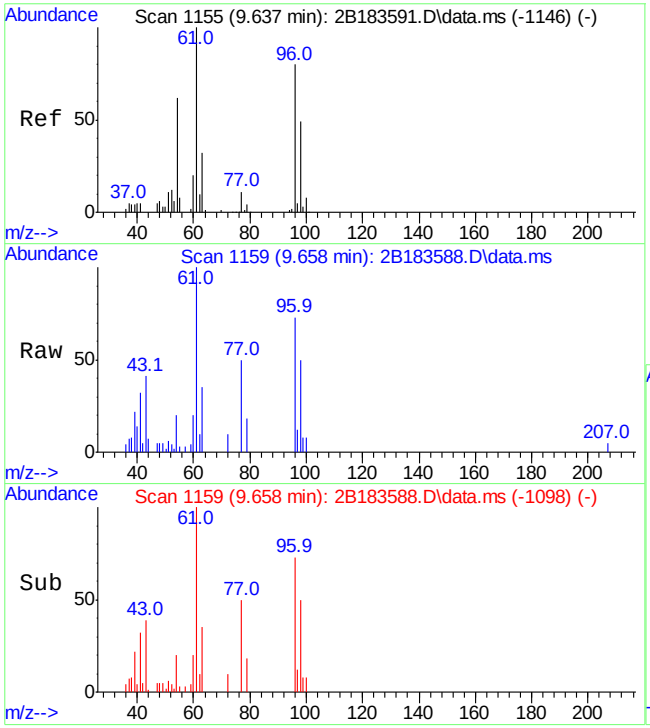


#35
2,2-dichloropropane
Concen: 3.95 ug/L
RT: 9.679 min Scan# 1163
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 77 Resp: 18642

Ion	Ratio	Lower	Upper
77	100		
97	19.1	0.0	50.3
41	56.7	20.8	80.8

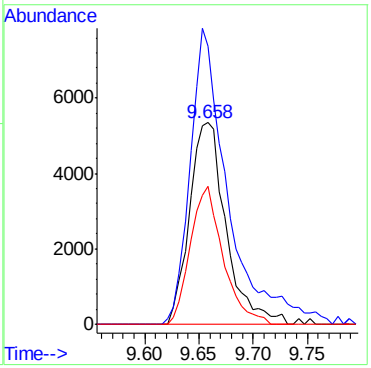


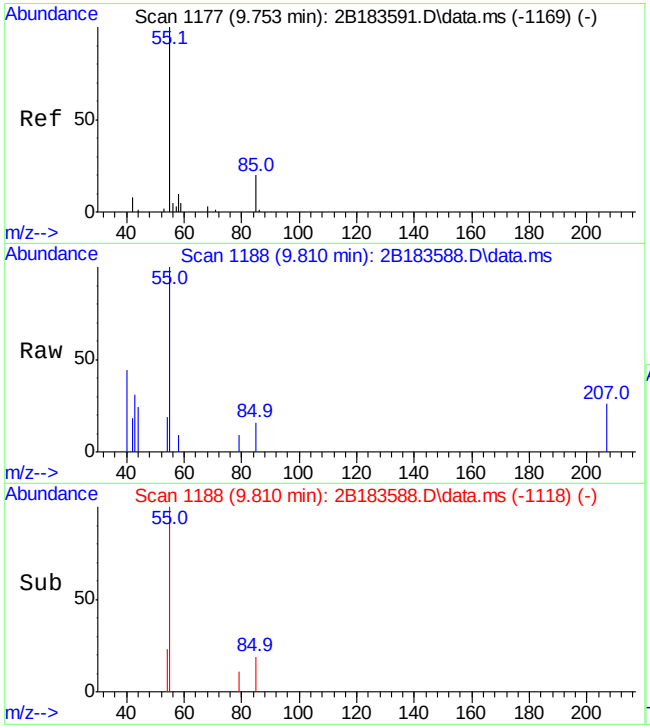


#36
cis-1,2-dichloroethene
Concen: 3.99 ug/L
RT: 9.658 min Scan# 1159
Delta R.T. 0.021 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 96 Resp: 12590

Ion	Ratio	Lower	Upper
96	100		
61	137.7	95.1	155.1
98	68.7	31.7	91.7

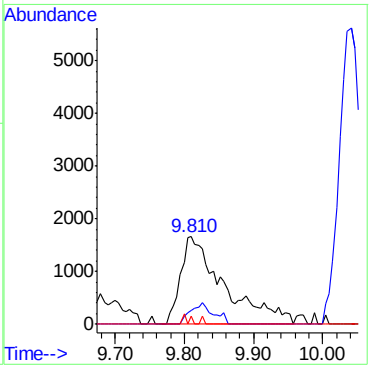


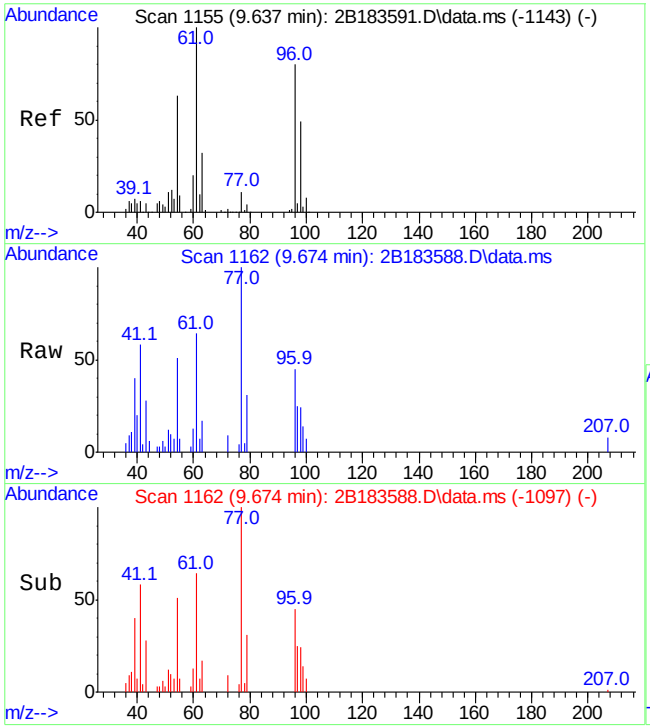


#37
methyl acrylate
Concen: 3.43 ug/L
RT: 9.810 min Scan# 1188
Delta R.T. 0.068 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 55 Resp: 7194

Ion	Ratio	Lower	Upper
55	100		
85	15.7	0.0	50.1
58	9.1	0.0	39.8

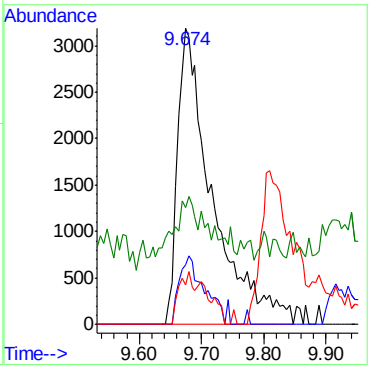


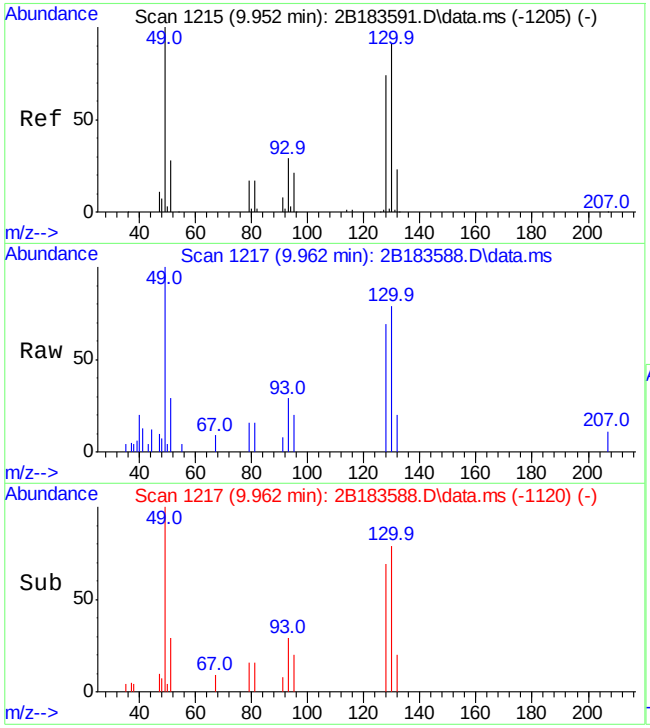


#38
propionitrile
Concen: 38.66 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.042 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 54 Resp: 12335

Ion	Ratio	Lower	Upper
54	100		
52	20.3	0.0	49.6
55	13.2	0.0	44.7
40	13.5	0.0	37.8

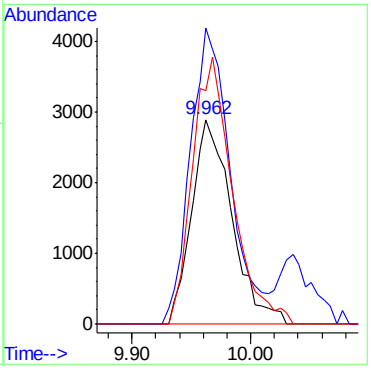


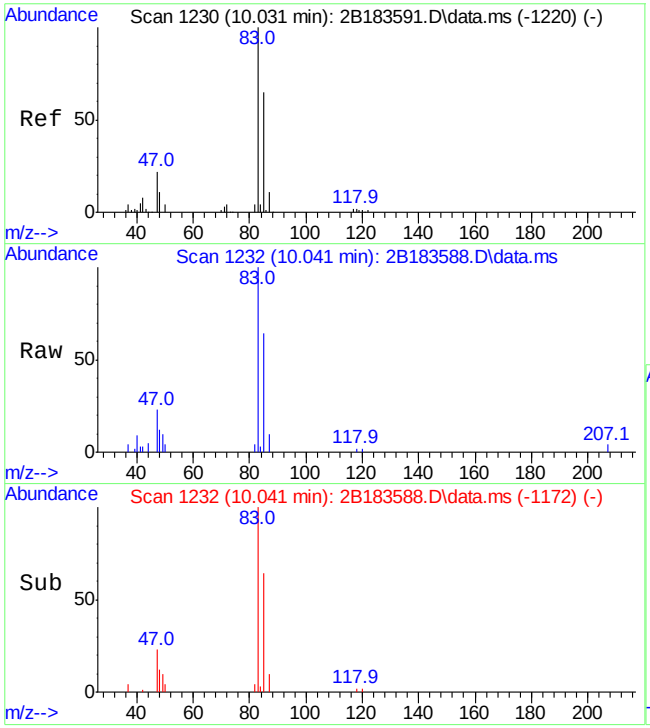


#39
bromochloromethane
Concen: 3.79 ug/L
RT: 9.962 min Scan# 1217
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:128 Resp: 6808

Ion	Ratio	Lower	Upper
128	100		
49	144.9	105.9	165.9
130	114.4	93.4	153.4

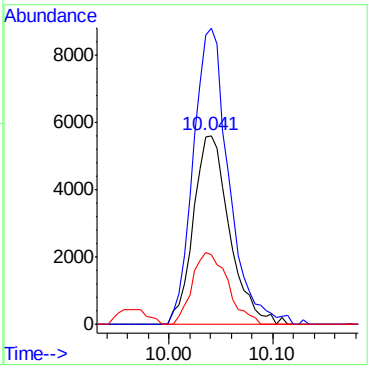


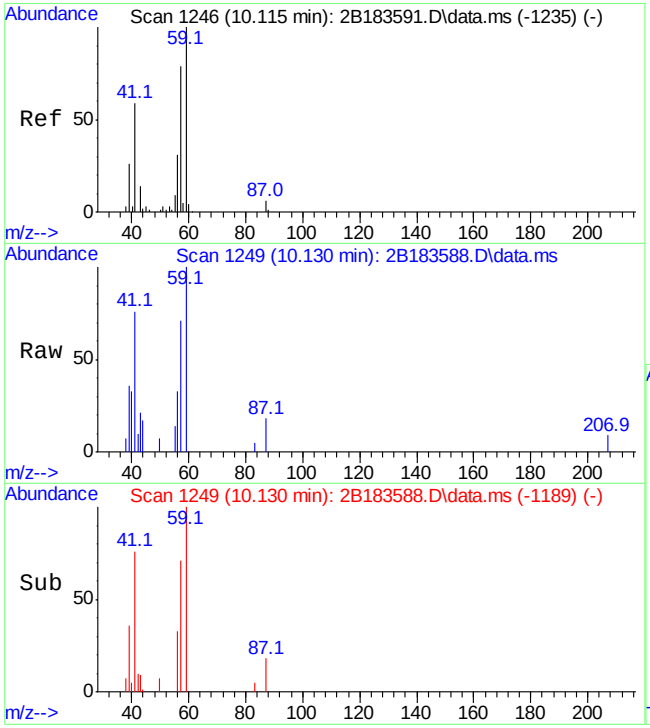


#41
chloroform
Concen: 3.73 ug/L
RT: 10.041 min Scan# 1232
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 85 Resp: 13571

Ion	Ratio	Lower	Upper
85	100		
83	156.7	123.5	183.5
47	36.7	6.5	66.5

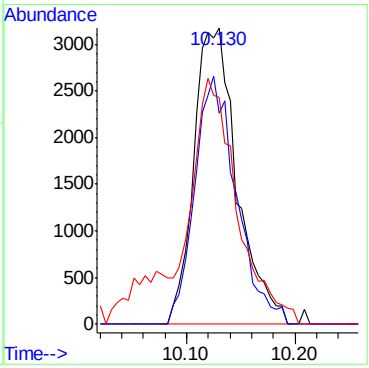


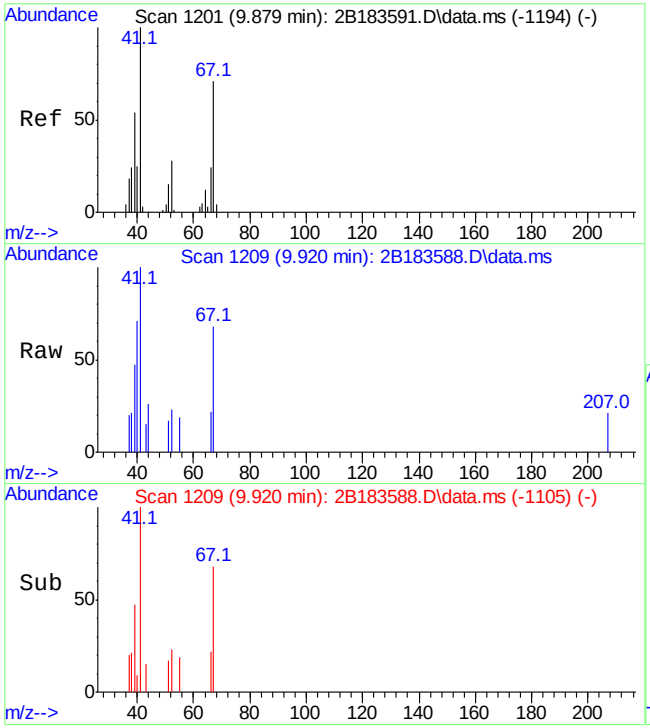


#42
t-butyl formate
Concen: 3.60 ug/L
RT: 10.130 min Scan# 1249
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 59 Resp: 8818

Ion	Ratio	Lower	Upper
59	100		
57	71.2	48.9	108.9
41	71.4	39.1	99.1

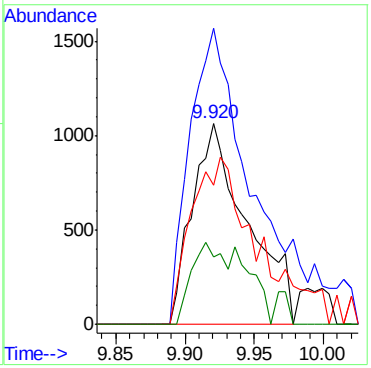


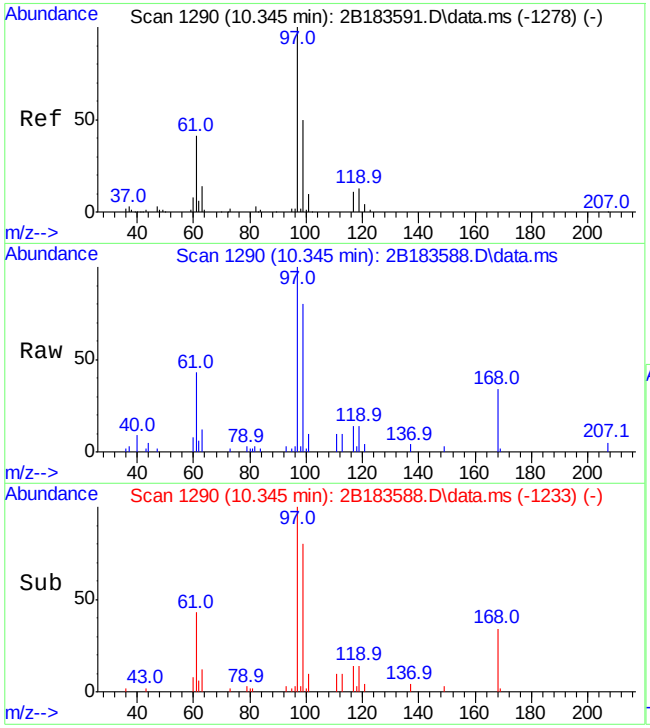


#44
methacrylonitrile
Concen: 2.85 ug/L
RT: 9.920 min Scan# 1209
Delta R.T. 0.047 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 67 Resp: 2934

Ion	Ratio	Lower	Upper
67	100		
41	147.2	110.7	170.7
39	69.1	46.4	106.4
52	33.7	9.9	69.9

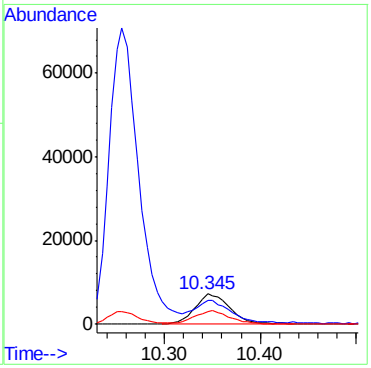


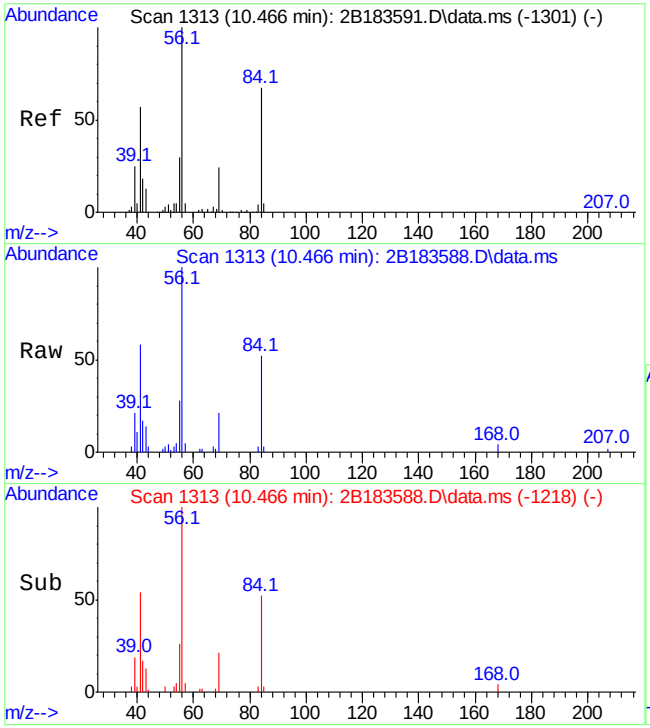


#45
1,1,1-trichloroethane
Concen: 3.72 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 97 Resp: 18201

Ion	Ratio	Lower	Upper
97	100		
99	73.8	36.0	96.0
61	42.9	12.1	72.1

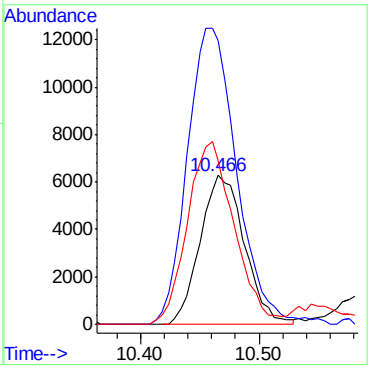


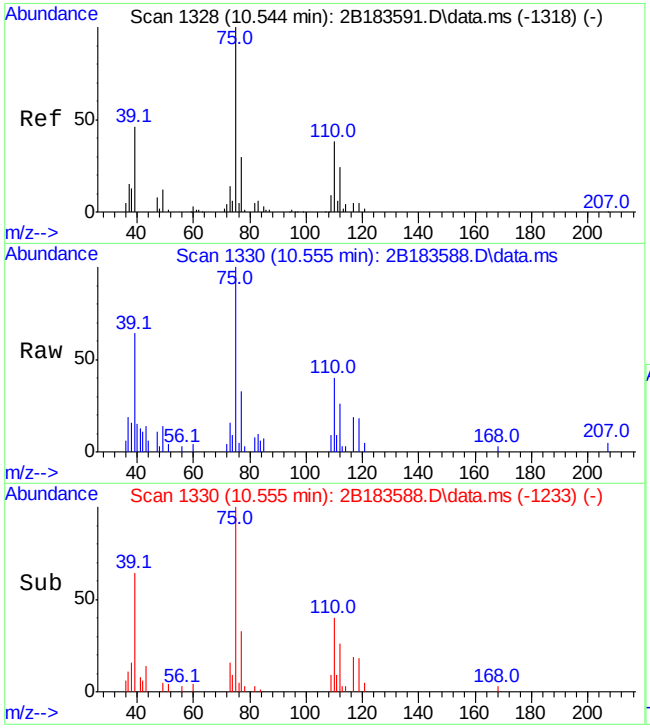


#46
cyclohexane
Concen: 3.74 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 84 Resp: 16262

Ion	Ratio	Lower	Upper
84	100		
56	186.1	130.0	170.0#
41	103.8	65.8	105.8

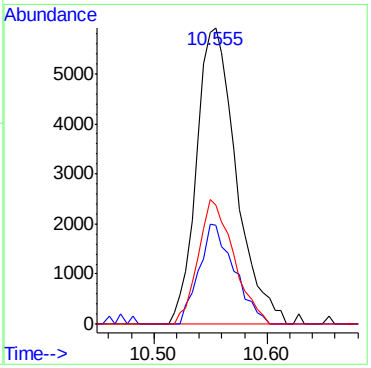


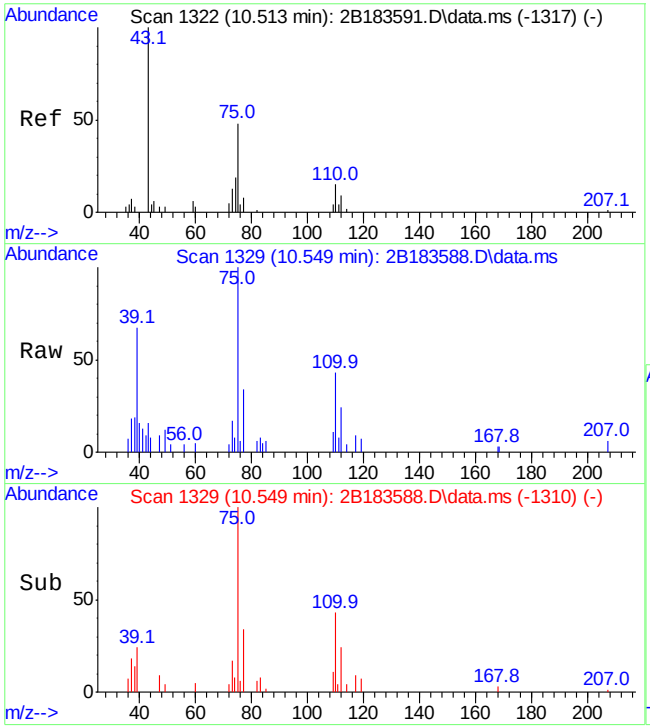


#47
1,1-dichloropropene
Concen: 3.77 ug/L
RT: 10.555 min Scan# 1330
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 75 Resp: 14352

Ion	Ratio	Lower	Upper
75	100		
77	33.5	10.5	50.5
110	40.0	17.9	57.9

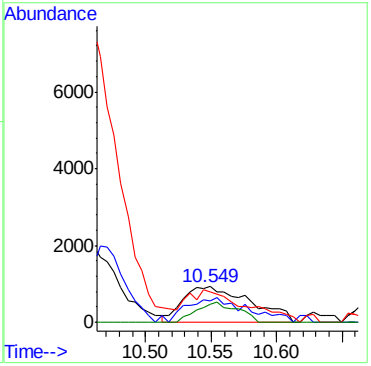


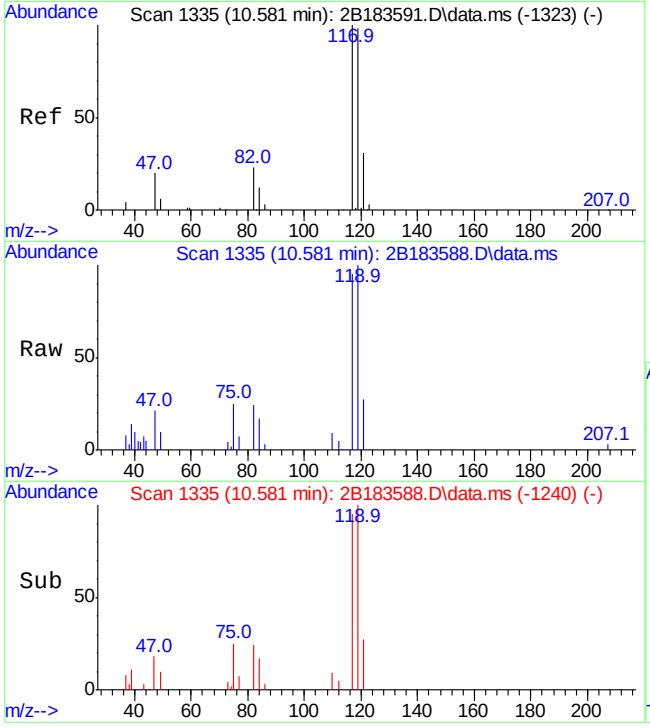


#48
iso-butyl alcohol
Concen: 38.55 ug/L
RT: 10.549 min Scan# 1329
Delta R.T. 0.047 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 43 Resp: 3329

Ion	Ratio	Lower	Upper
43	100		
42	58.8	36.5	96.5
41	66.2	64.7	124.7
74	49.3	0.0	42.8#

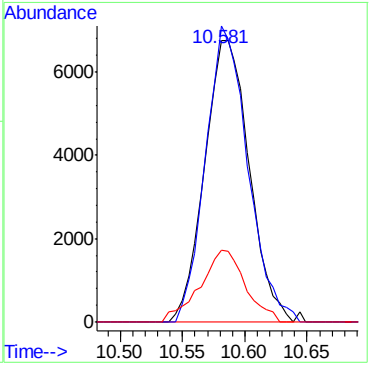


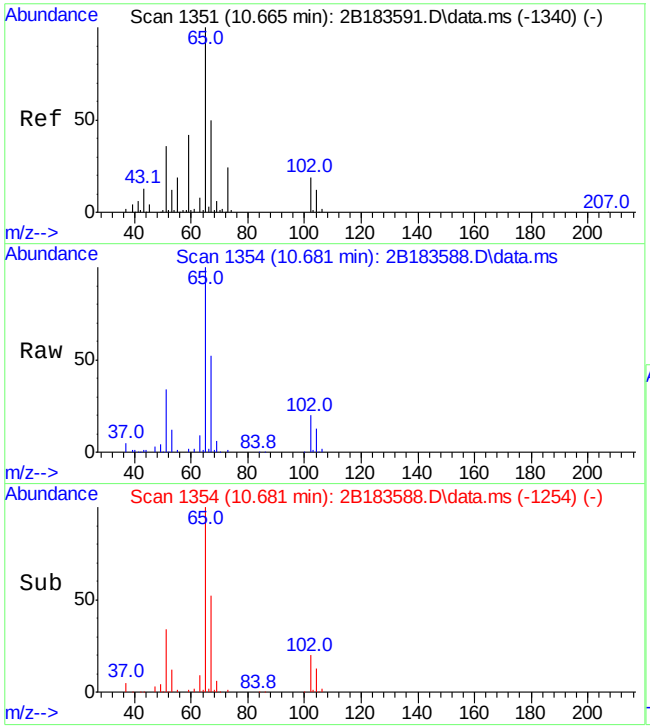


#49
carbon tetrachloride
Concen: 3.67 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:117 Resp: 16817

Ion	Ratio	Lower	Upper
117	100		
119	105.1	77.7	117.7
82	25.3	3.1	43.1

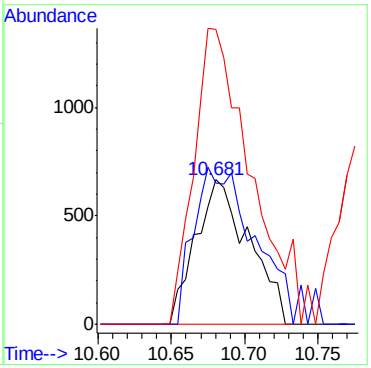


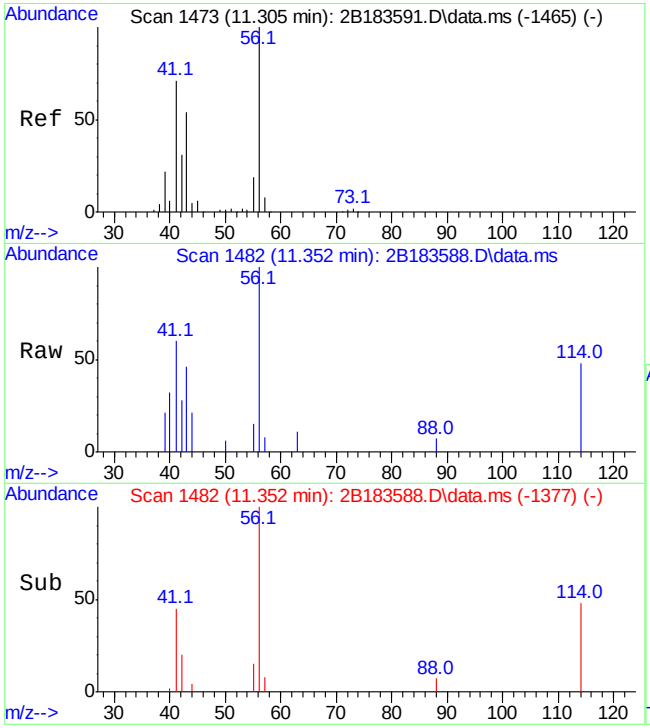


#50
tert amyl alcohol
Concen: 18.69 ug/L
RT: 10.681 min Scan# 1354
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 55 Resp: 1697

Ion	Ratio	Lower	Upper
55	100		
73	97.5	98.8	158.8#
59	204.0	191.9	251.9

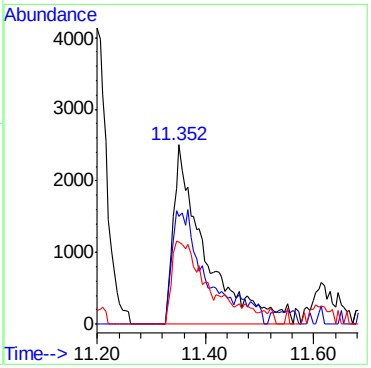


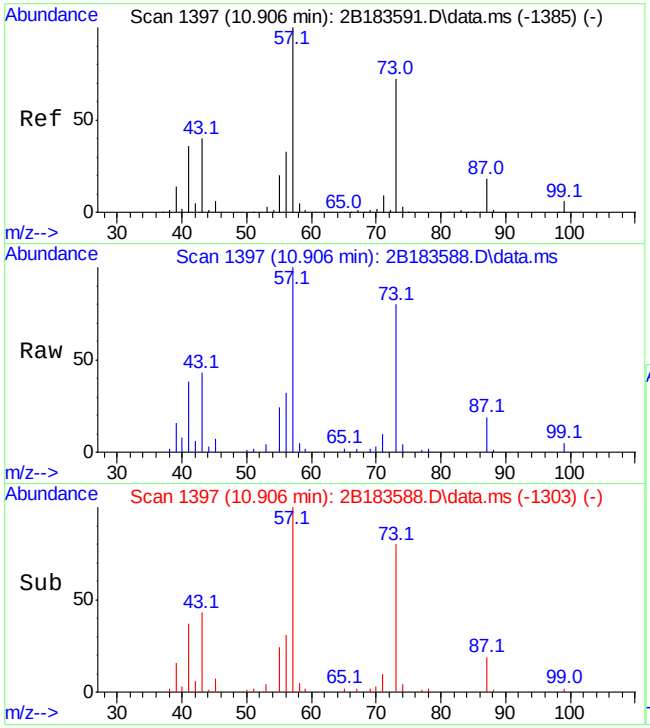


#53
n-butyl alcohol
Concen: 172.23 ug/L
RT: 11.352 min Scan# 1482
Delta R.T. 0.052 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 56 Resp: 10176

Ion	Ratio	Lower	Upper
56	100		
41	60.3	40.8	100.8
43	45.5	24.4	84.4

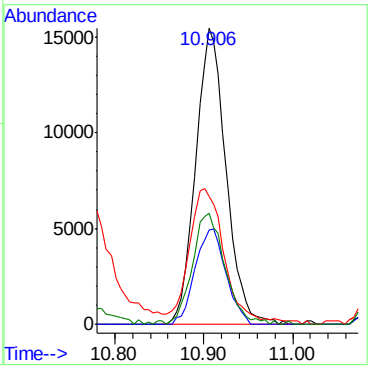


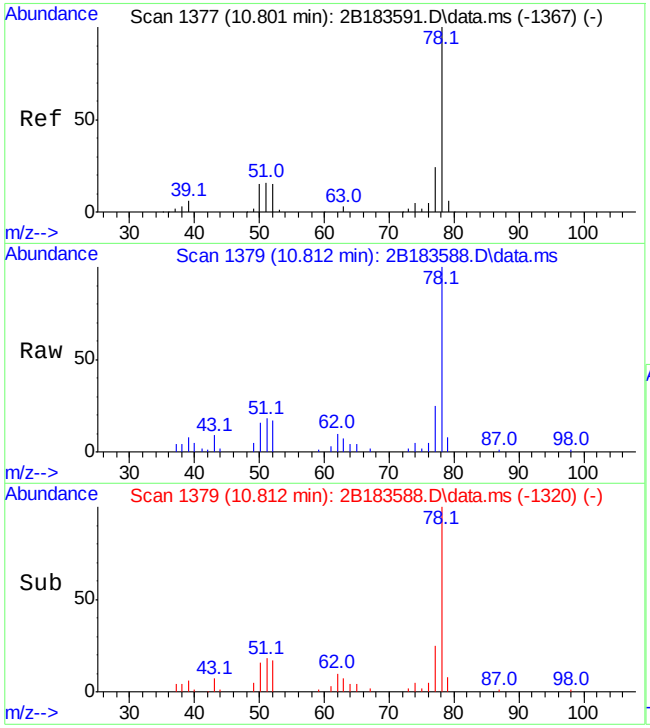


#54
2,2,4-trimethylpentane
Concen: 3.73 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 57 Resp: 36537

Ion	Ratio	Lower	Upper
57	100		
56	31.8	3.5	63.5
43	42.0	10.7	70.7
41	37.6	5.5	65.5

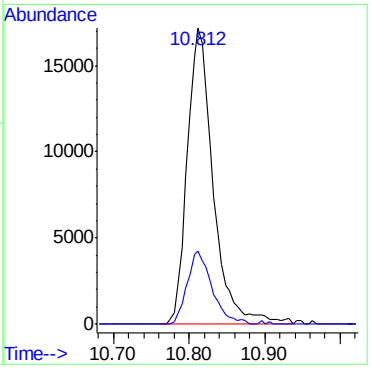


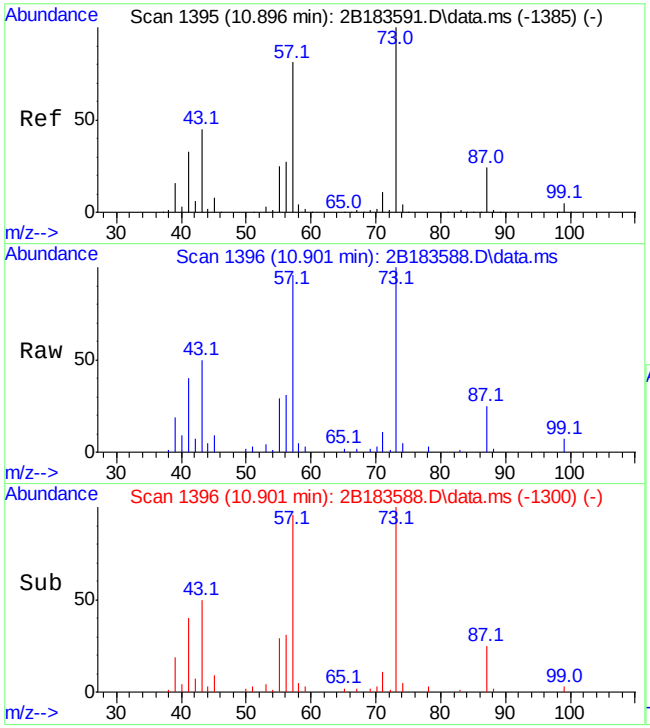


#55
benzene
Concen: 3.94 ug/L
RT: 10.812 min Scan# 1379
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 78 Resp: 40756

Ion	Ratio	Lower	Upper
78	100		
77	24.7	0.0	53.9

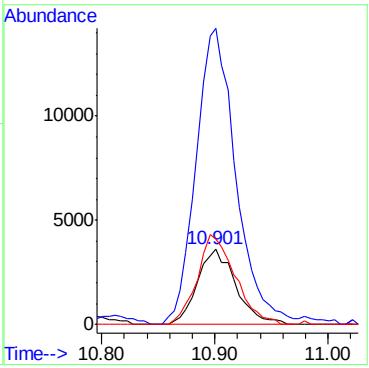


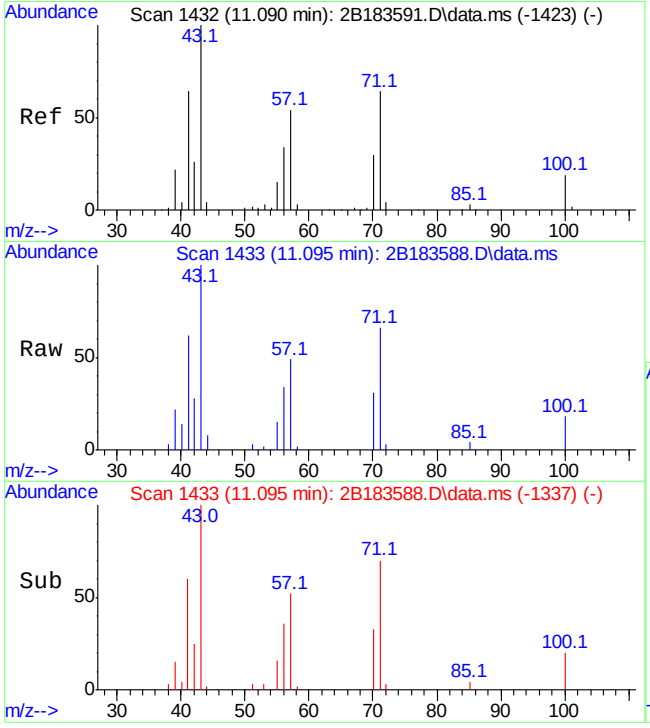


#56
tert-amyl methyl ether
Concen: 3.80 ug/L
RT: 10.901 min Scan# 1396
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 87 Resp: 8485

Ion	Ratio	Lower	Upper
87	100		
73	392.9	377.9	437.9
55	113.5	73.1	133.1

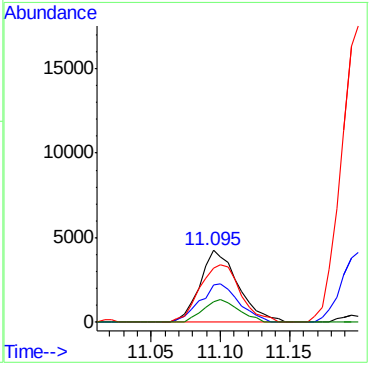


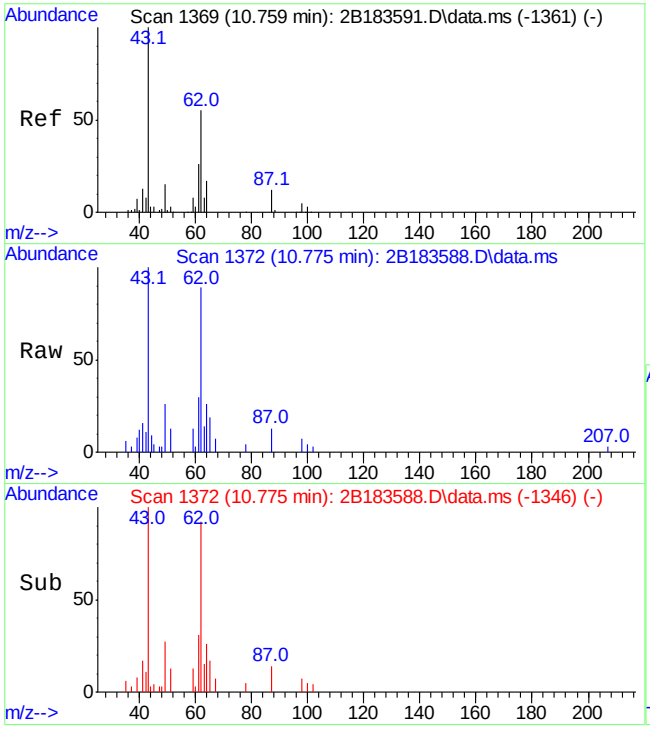


#57
heptane
Concen: 3.67 ug/L
RT: 11.095 min Scan# 1433
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 71 Resp: 8103

Ion	Ratio	Lower	Upper
71	100		
56	52.0	23.2	83.2
57	74.6	54.9	114.9
100	28.1	0.0	59.2

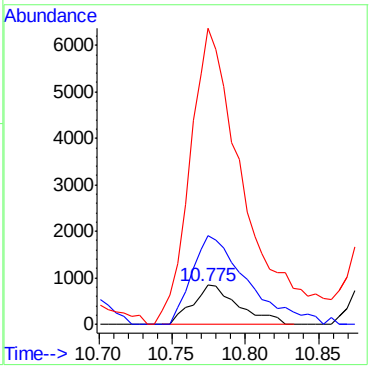


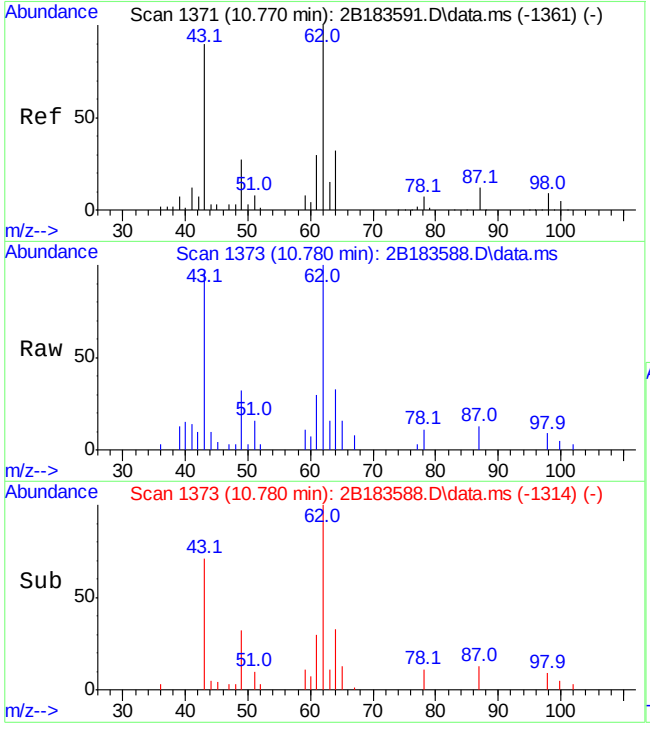


#58
isopropyl acetate
Concen: 3.33 ug/L
RT: 10.775 min Scan# 1372
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 87 Resp: 1835

Ion	Ratio	Lower	Upper
87	100		
61	229.2	185.0	245.0
43	725.1	799.1	859.1#

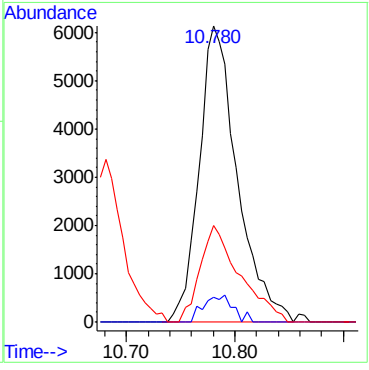


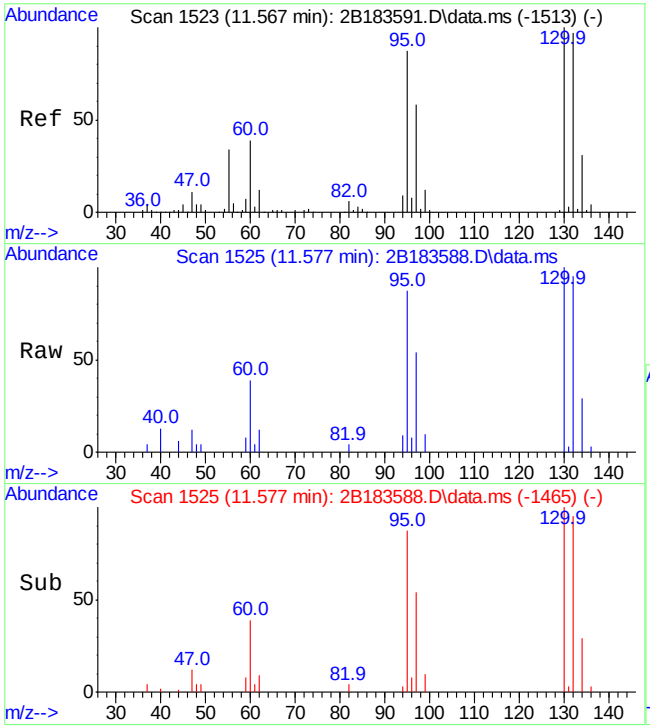


#59
1,2-dichloroethane
Concen: 3.83 ug/L
RT: 10.780 min Scan# 1373
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 62 Resp: 15129

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	39.0
49	32.5	0.0	56.8

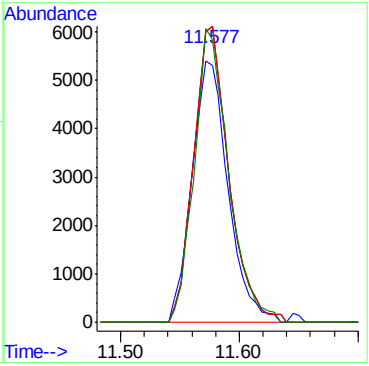


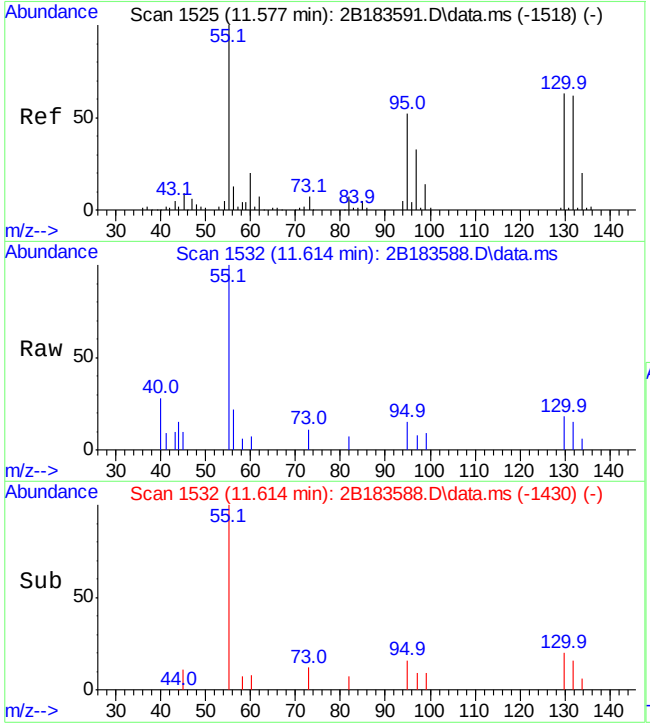


#60
trichloroethene
Concen: 3.74 ug/L
RT: 11.577 min Scan# 1525
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:130 Resp: 12584

Ion	Ratio	Lower	Upper
130	100		
95	86.7	56.8	116.8
130	100.0	70.0	130.0
132	95.4	67.2	127.2

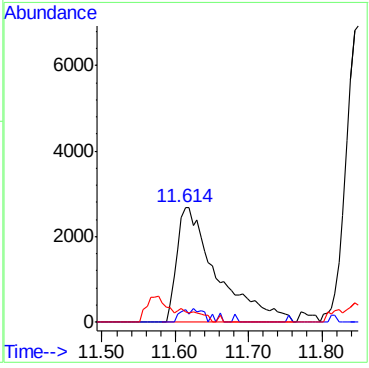


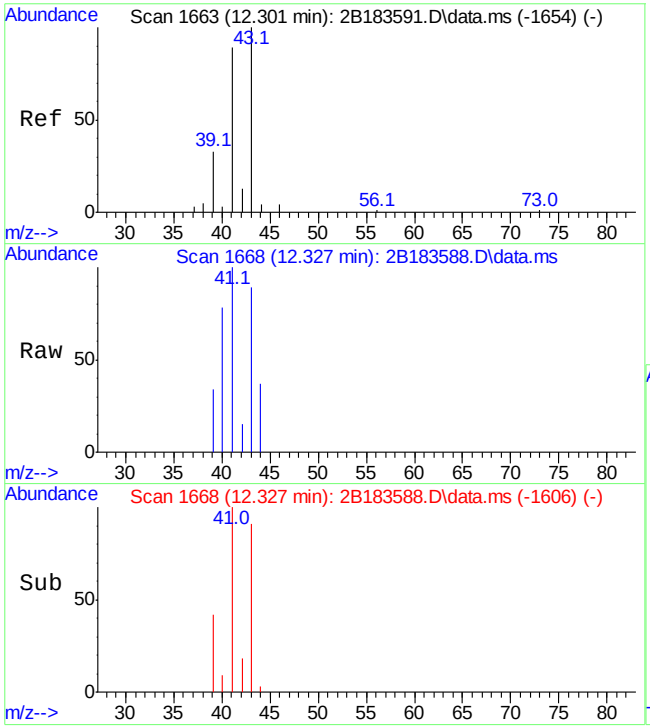


#61
ethyl acrylate
Concen: 3.54 ug/L
RT: 11.614 min Scan# 1532
Delta R.T. 0.037 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 55 Resp: 10142

Ion	Ratio	Lower	Upper
55	100		
73	10.9	0.0	27.3
99	8.6	0.0	34.6

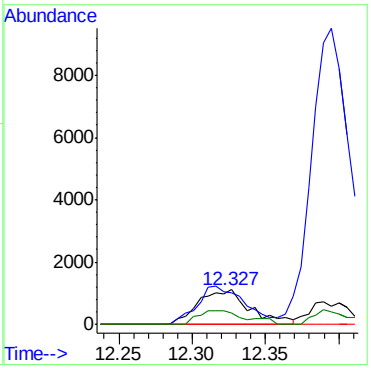


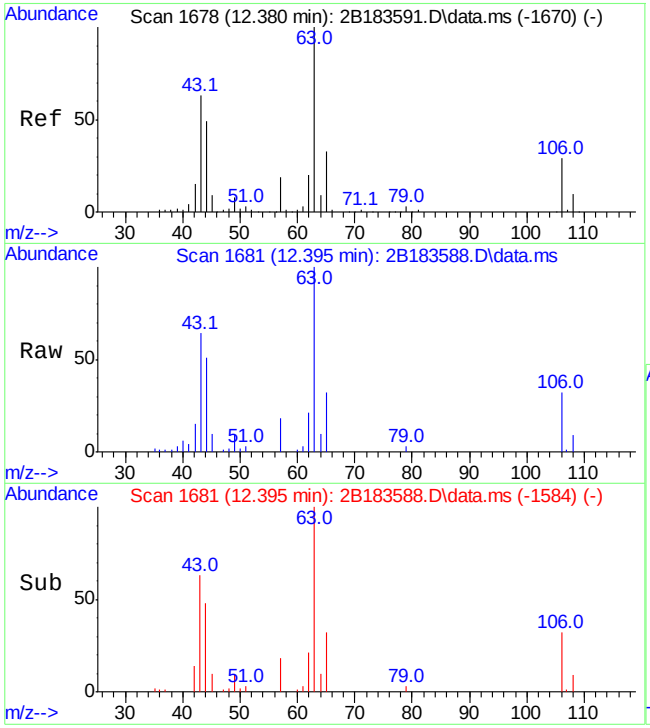


#62
2-nitropropane
Concen: 3.69 ug/L
RT: 12.327 min Scan# 1668
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 41 Resp: 2711

Ion	Ratio	Lower	Upper
41	100		
43	89.2	92.9	132.9#
46	0.0	0.0	24.8
39	33.8	17.1	57.1

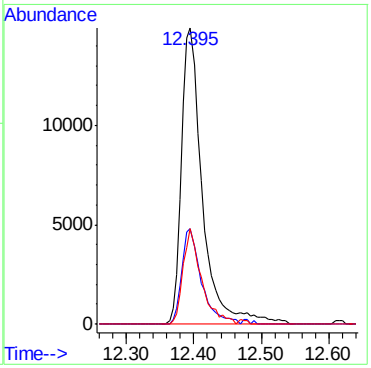


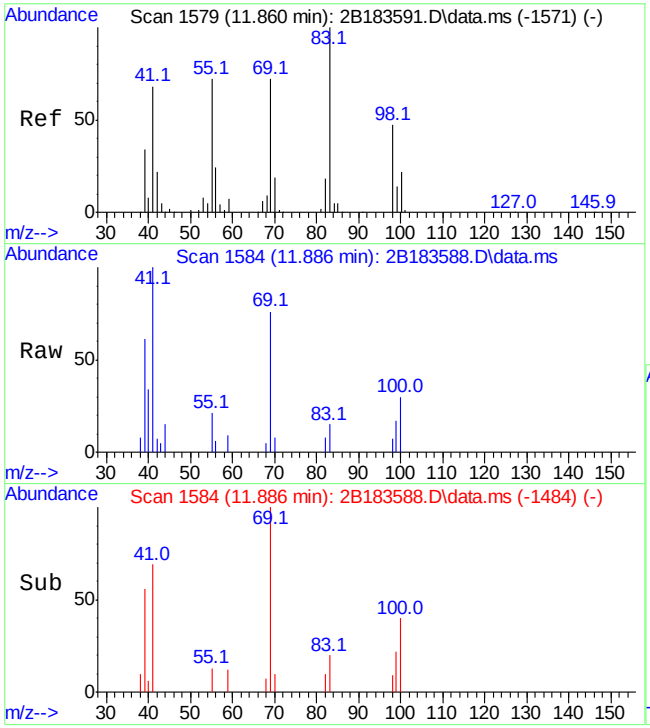


#63
2-chloroethyl vinyl ether
Concen: 19.53 ug/L
RT: 12.395 min Scan# 1681
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 63 Resp: 32081

Ion	Ratio	Lower	Upper
63	100		
65	32.4	2.7	62.7
106	32.2	0.0	59.0

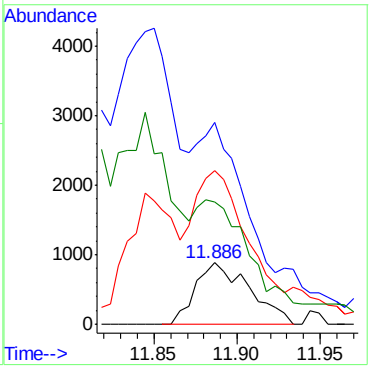


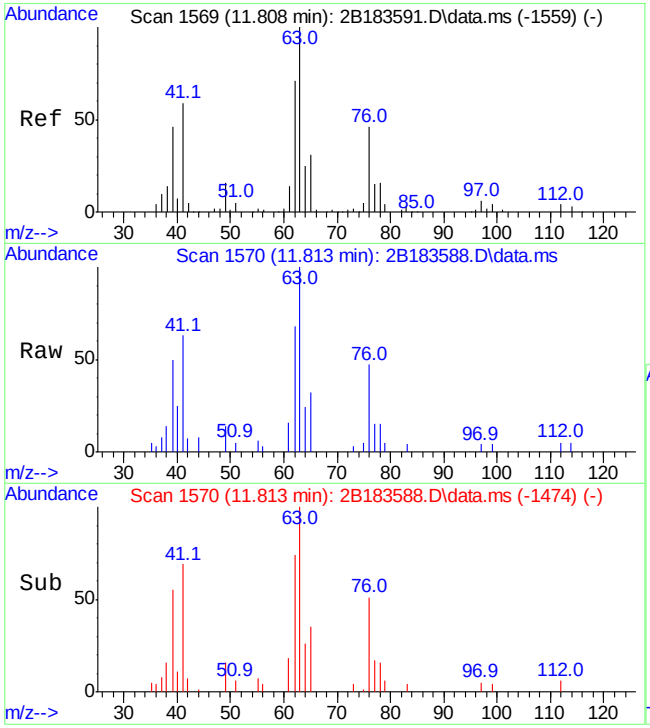


#64
methyl methacrylate
Concen: 3.10 ug/L
RT: 11.886 min Scan# 1584
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:100 Resp: 1998

Ion	Ratio	Lower	Upper
100	100		
41	238.3	492.5	552.5#
69	188.7	314.6	374.6#
39	163.6	285.7	345.7#

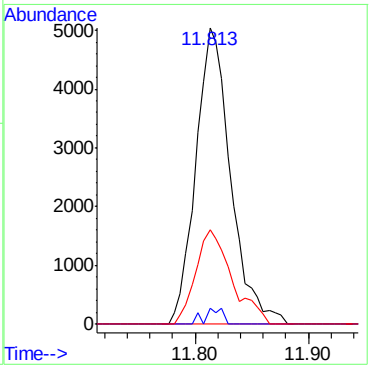


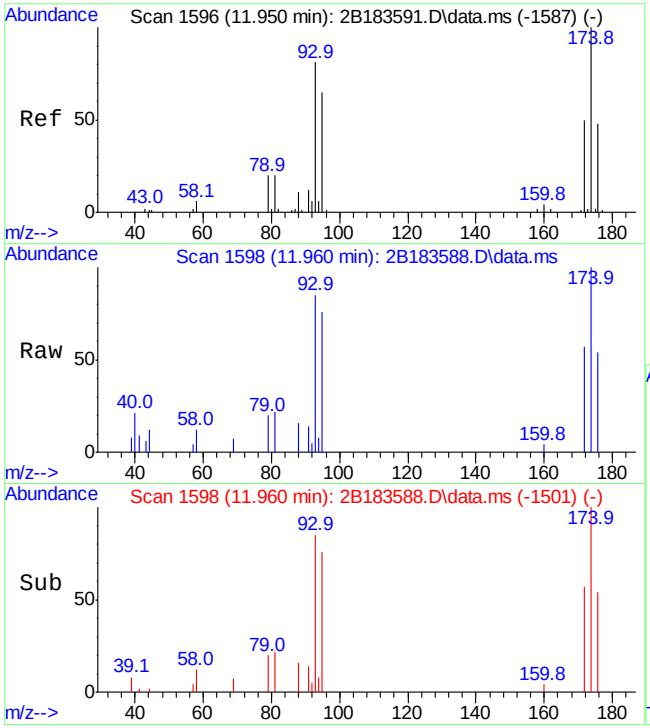


#65
1,2-dichloropropane
Concen: 3.83 ug/L
RT: 11.813 min Scan# 1570
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 63 Resp: 10715

Ion	Ratio	Lower	Upper
63	100		
112	5.2	0.0	33.9
65	31.9	1.3	61.3

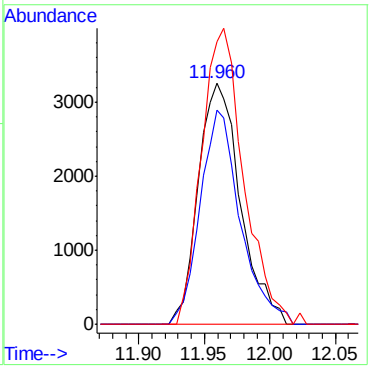


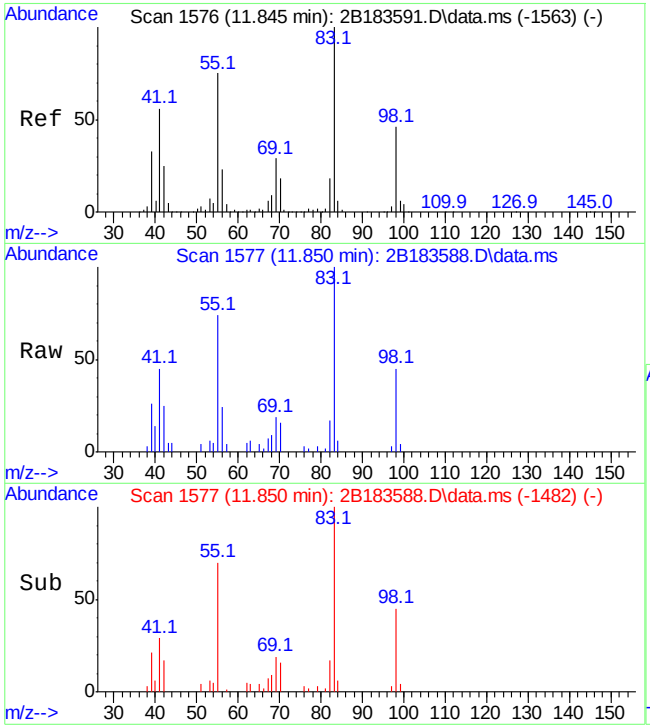


#66
dibromomethane
Concen: 3.89 ug/L
RT: 11.960 min Scan# 1598
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 93 Resp: 7264

Ion	Ratio	Lower	Upper
93	100		
95	89.0	50.5	110.5
174	117.2	94.1	154.1

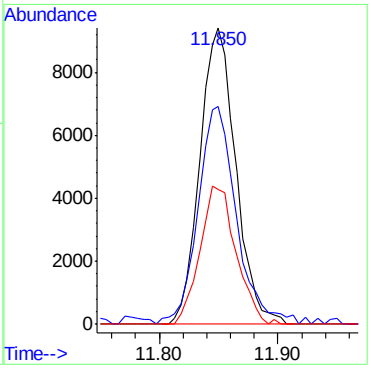


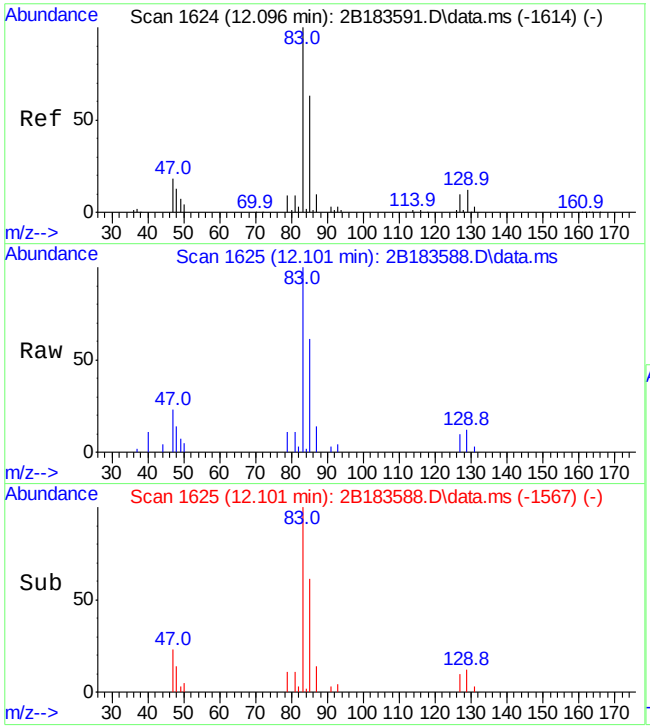


#67
methylcyclohexane
Concen: 3.78 ug/L
RT: 11.850 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 83 Resp: 19815

Ion	Ratio	Lower	Upper
83	100		
55	71.7	45.5	105.5
98	45.5	15.7	75.7

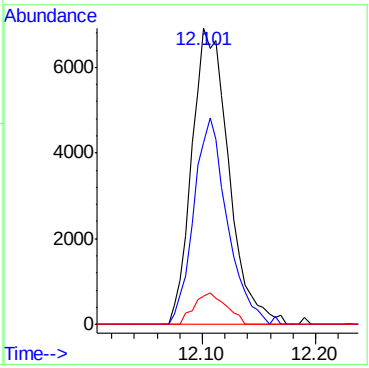


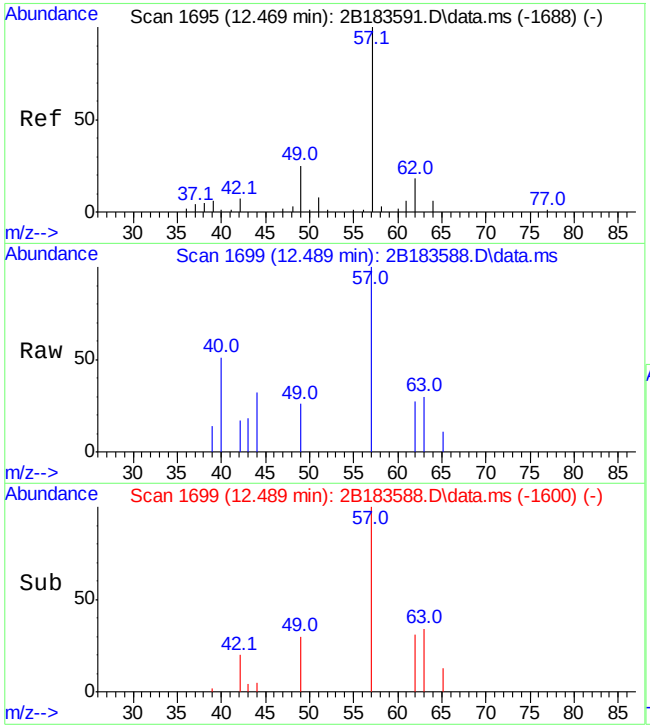


#68
bromodichloromethane
Concen: 3.92 ug/L
RT: 12.101 min Scan# 1625
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 83 Resp: 15566

Ion	Ratio	Lower	Upper
83	100		
85	61.3	33.2	93.2
127	9.6	0.0	39.5

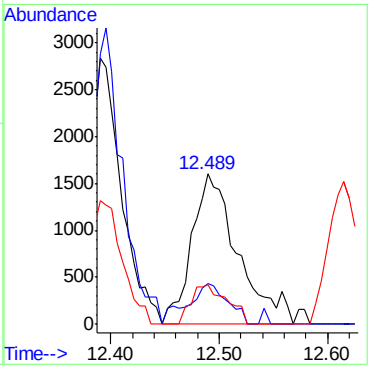


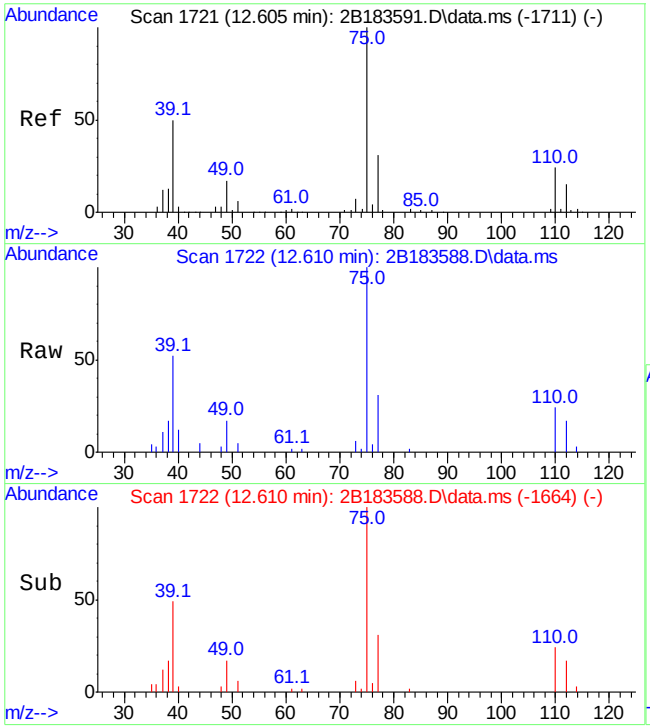


#69
epichlorohydrin
Concen: 19.08 ug/L
RT: 12.489 min Scan# 1699
Delta R.T. 0.021 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 57 Resp: 4748

Ion	Ratio	Lower	Upper
57	100		
62	27.3	0.4	40.4
49	26.0	4.3	44.3

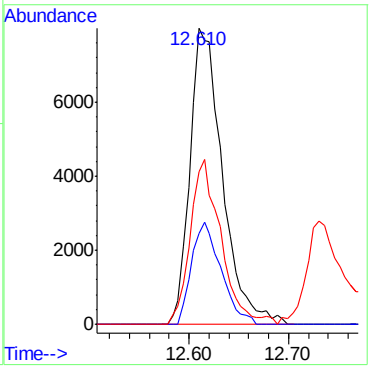


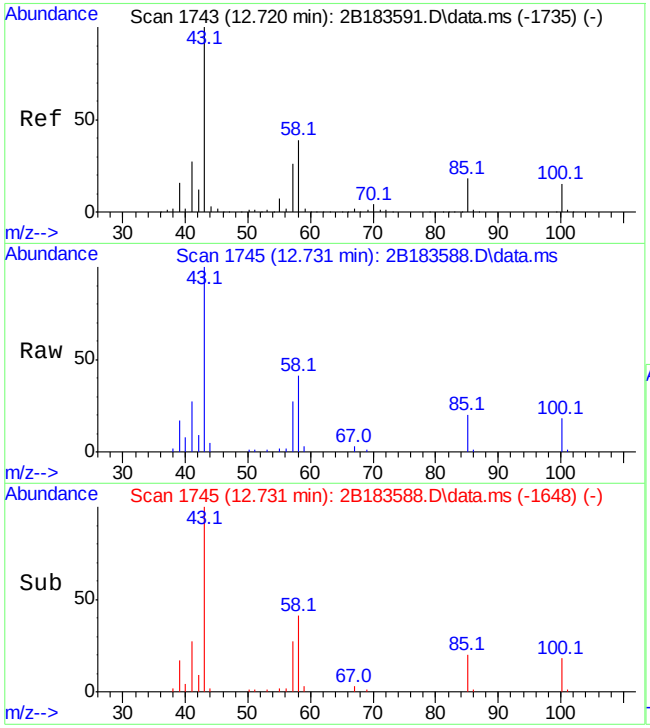


#70
cis-1,3-dichloropropene
Concen: 3.83 ug/L
RT: 12.610 min Scan# 1722
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 75 Resp: 18062

Ion	Ratio	Lower	Upper
75	100		
77	30.9	1.4	61.4
39	51.7	19.8	79.8

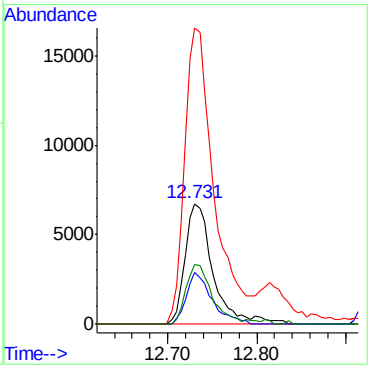


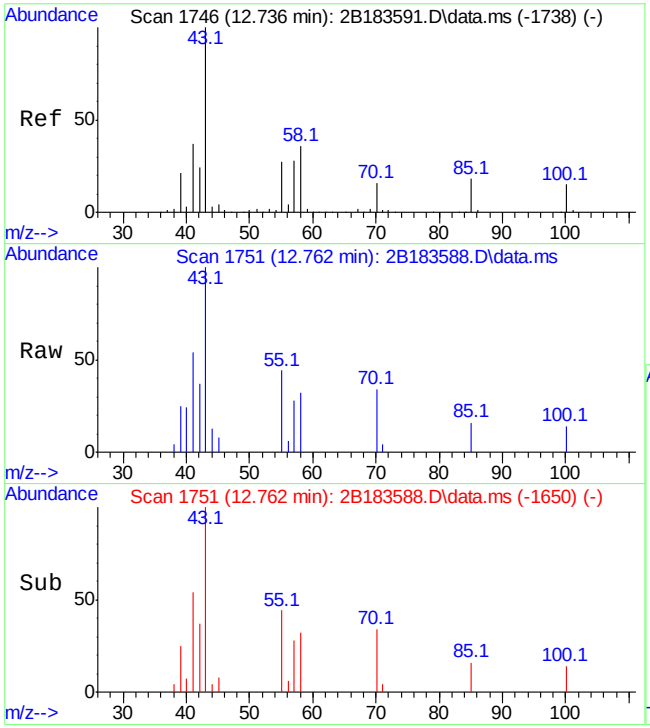


#71
4-methyl-2-pentanone
Concen: 15.31 ug/L
RT: 12.731 min Scan# 1745
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 58 Resp: 14658

Ion	Ratio	Lower	Upper
58	100		
100	43.4	8.6	68.6
43	246.4	223.3	283.3
85	49.4	16.6	76.6

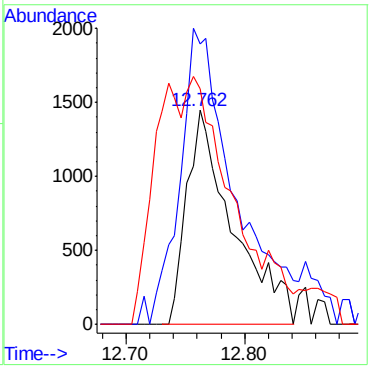


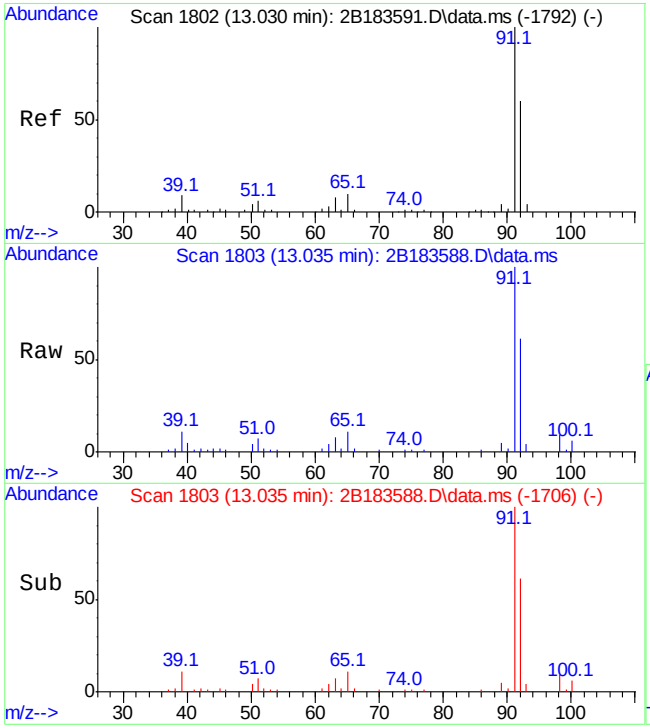


#72
3-methyl-1-butanol
Concen: 68.33 ug/L
RT: 12.762 min Scan# 1751
Delta R.T. 0.031 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 70 Resp: 3886

Ion	Ratio	Lower	Upper
70	100		
55	110.5	138.6	198.6#
42	96.1	117.3	177.3#

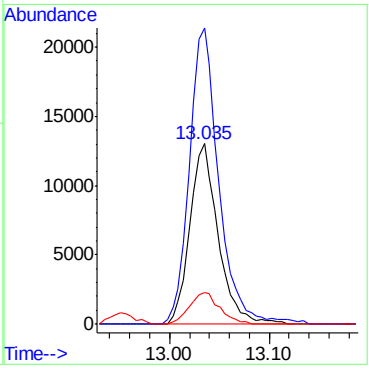


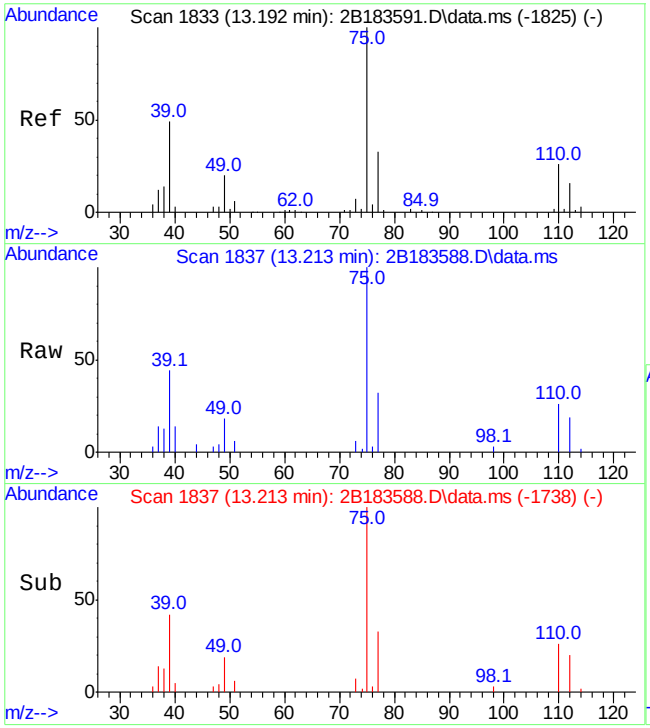


#75
toluene
Concen: 3.97 ug/L
RT: 13.035 min Scan# 1803
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 92 Resp: 25639

Ion	Ratio	Lower	Upper
92	100		
91	164.0	145.5	185.5
65	17.7	0.0	37.3

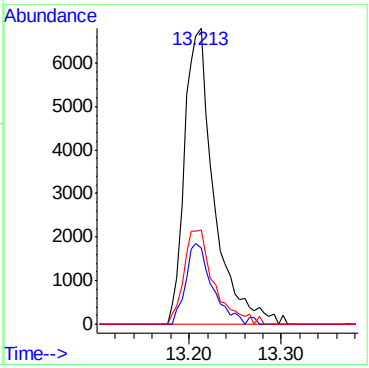


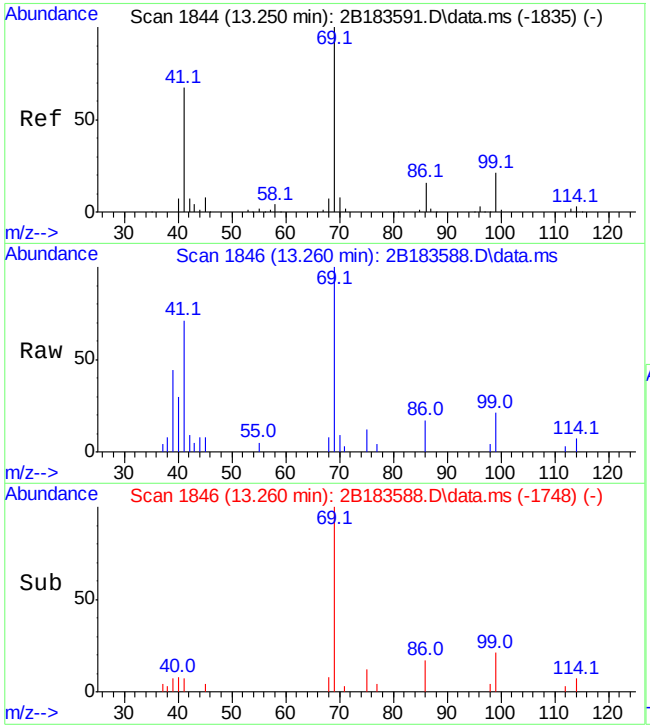


#76
trans-1,3-dichloropropene
Concen: 3.91 ug/L
RT: 13.213 min Scan# 1837
Delta R.T. 0.021 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 75 Resp: 15091

Ion	Ratio	Lower	Upper
75	100		
110	25.8	5.6	45.6
77	31.8	12.9	52.9

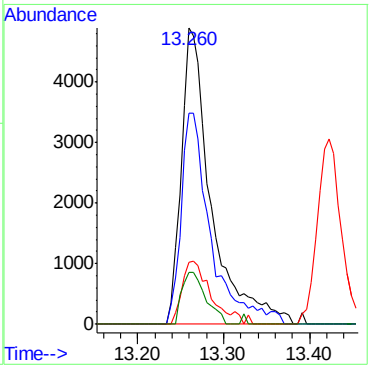


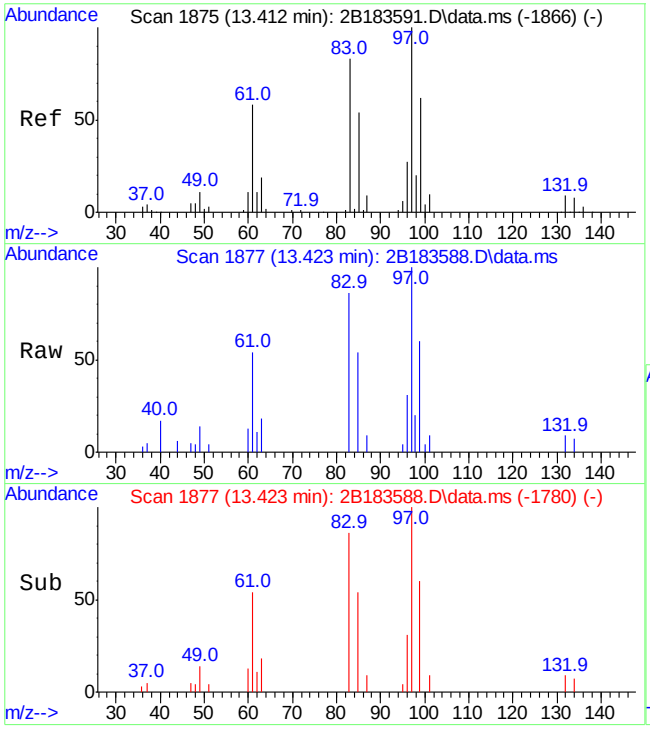


#77
ethyl methacrylate
Concen: 3.76 ug/L
RT: 13.260 min Scan# 1846
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 69 Resp: 11772

Ion	Ratio	Lower	Upper
69	100		
41	71.3	47.3	87.3
99	20.9	0.7	40.7
86	17.4	0.0	36.3

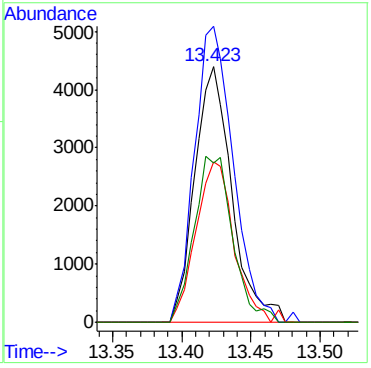


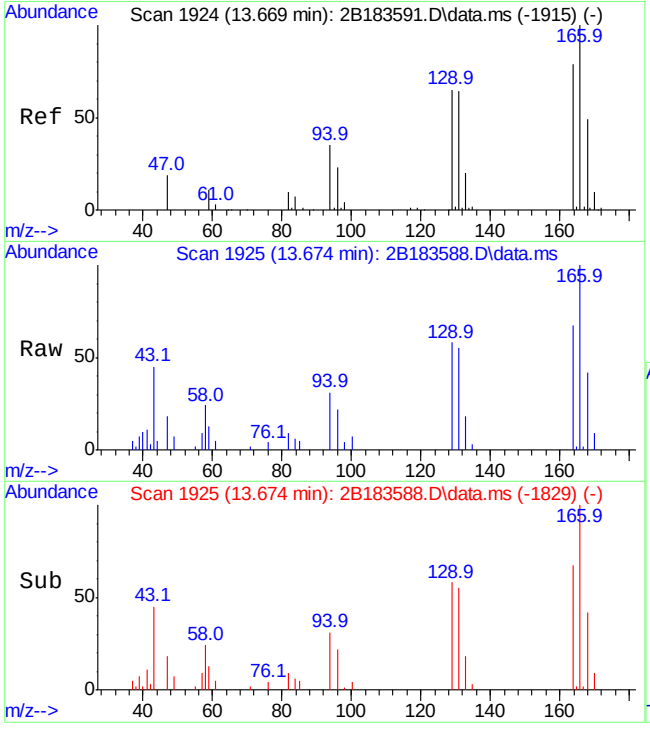


#78
1,1,2-trichloroethane
Concen: 4.12 ug/L
RT: 13.423 min Scan# 1877
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 83 Resp: 8231

Ion	Ratio	Lower	Upper
83	100		
97	115.8	100.4	140.4
85	62.6	44.7	84.7
61	62.5	49.5	89.5

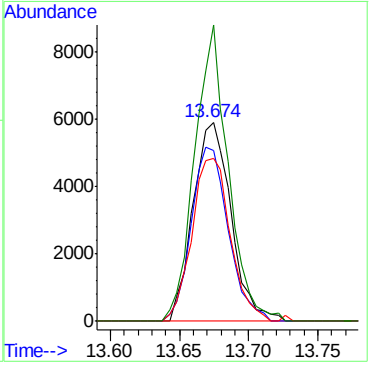


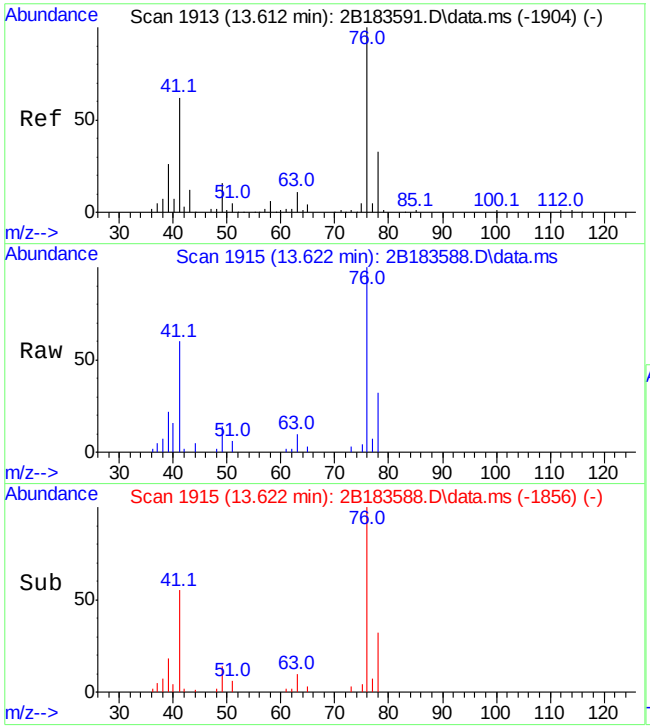


#79
tetrachloroethene
Concen: 4.01 ug/L
RT: 13.674 min Scan# 1925
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:164 Resp: 11252

Ion	Ratio	Lower	Upper
164	100		
129	85.8	52.8	112.8
131	81.8	51.2	111.2
166	148.9	97.3	157.3

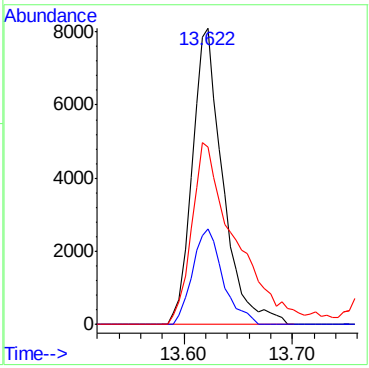


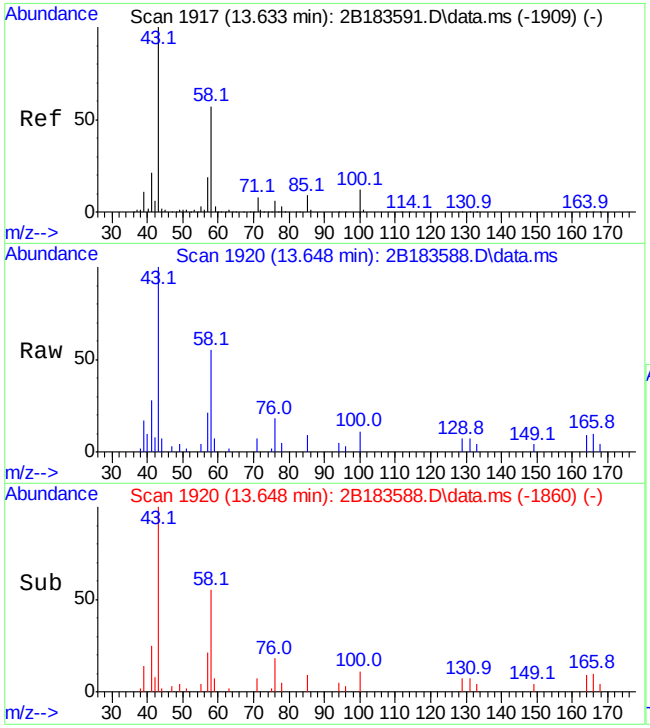


#80
1,3-dichloropropane
Concen: 3.93 ug/L
RT: 13.622 min Scan# 1915
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 76 Resp: 15932

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.9	62.9
41	59.9	31.5	91.5

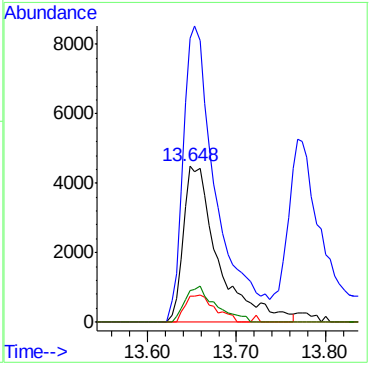


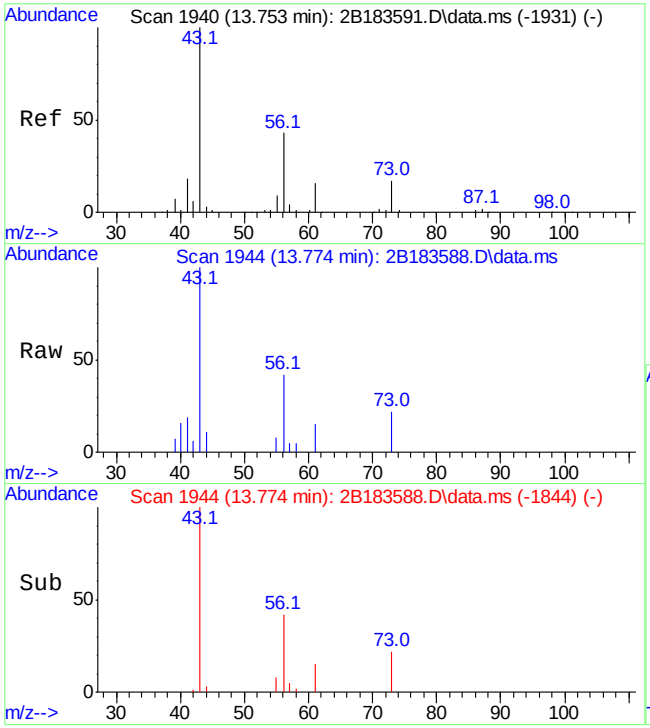


#81
2-hexanone
Concen: 15.62 ug/L
RT: 13.648 min Scan# 1920
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 58 Resp: 12229

Ion	Ratio	Lower	Upper
58	100		
43	181.2	156.8	196.8
85	16.9	0.0	35.7
100	20.0	0.5	40.5

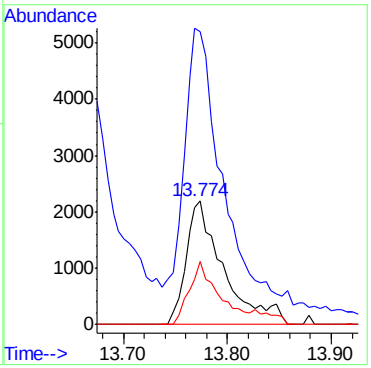


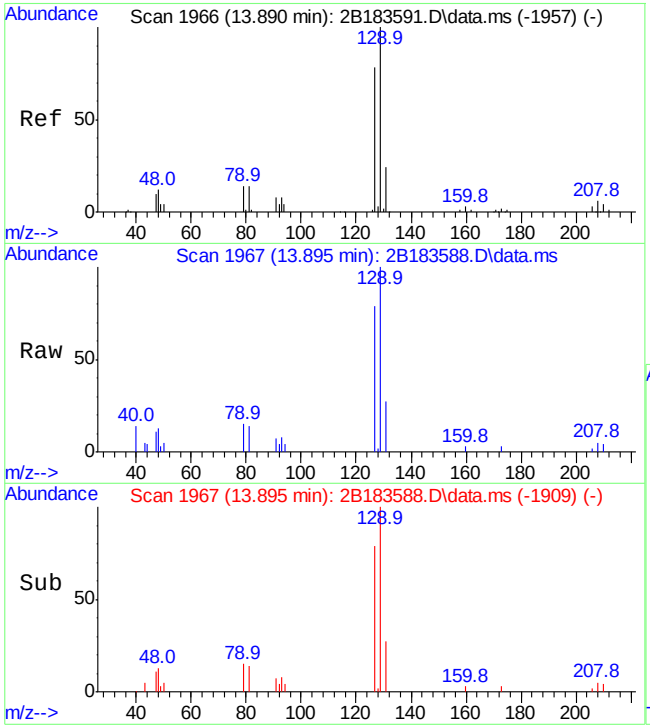


#82
butyl acetate
Concen: 3.65 ug/L
RT: 13.774 min Scan# 1944
Delta R.T. 0.026 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 56 Resp: 5460

Ion	Ratio	Lower	Upper
56	100		
43	222.0	205.4	265.4
73	51.4	8.9	68.9

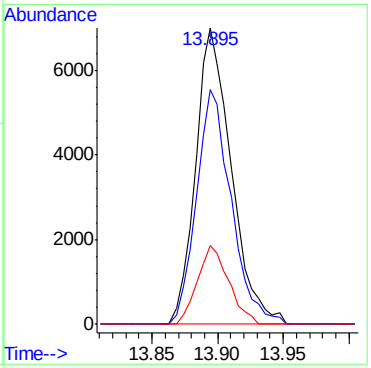


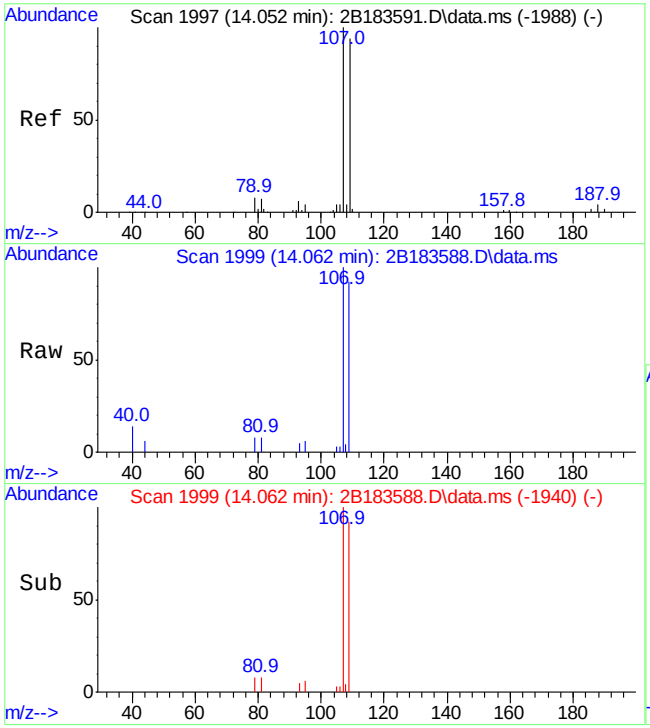


#83
dibromochloromethane
Concen: 4.04 ug/L
RT: 13.895 min Scan# 1967
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:129 Resp: 13216

Ion	Ratio	Lower	Upper
129	100		
127	79.3	47.6	107.6
131	26.6	0.0	54.0

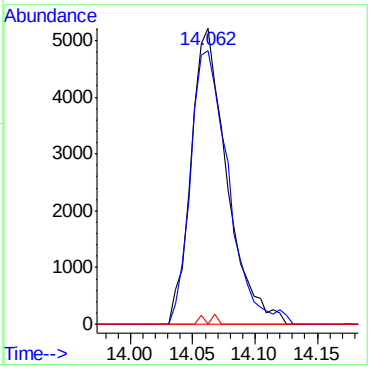


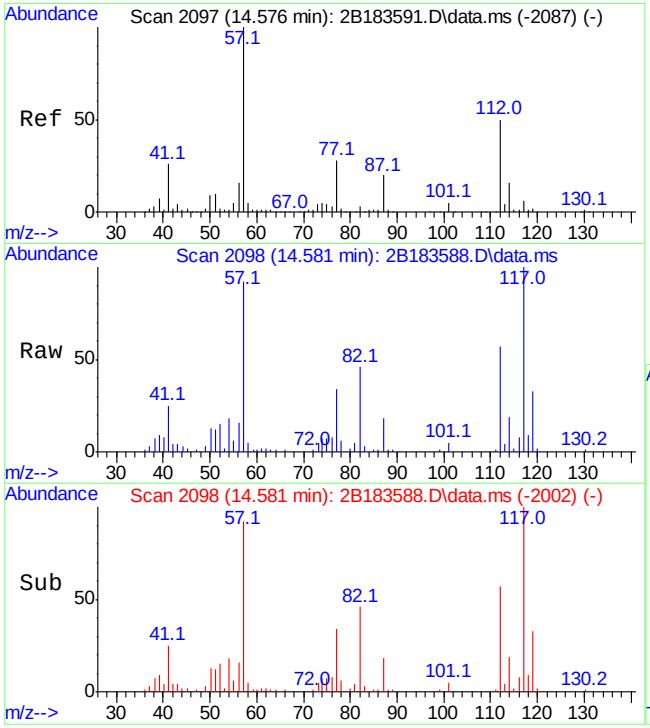


#84
1,2-dibromoethane
Concen: 3.94 ug/L
RT: 14.062 min Scan# 1999
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:107 Resp: 10433

Ion	Ratio	Lower	Upper
107	100		
109	92.5	64.2	124.2
188	0.0	0.0	33.9

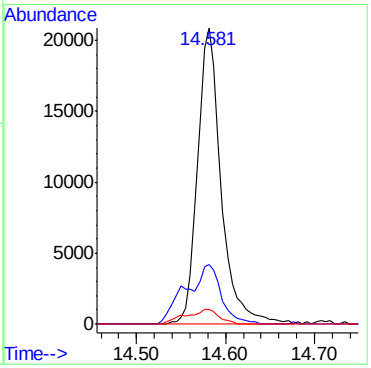


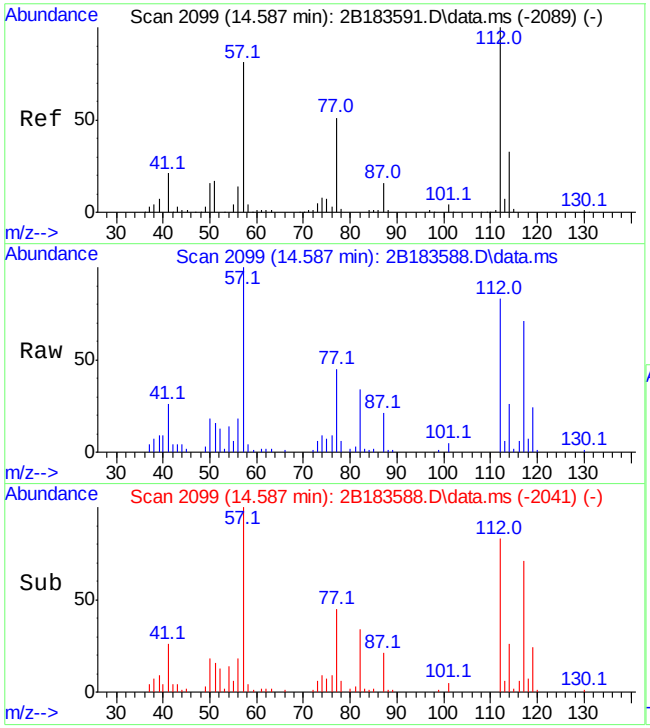


#85
n-butyl ether
Concen: 3.85 ug/L
RT: 14.581 min Scan# 2098
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 57 Resp: 38462

Ion	Ratio	Lower	Upper
57	100		
87	19.1	0.0	49.5
101	4.9	0.0	34.7

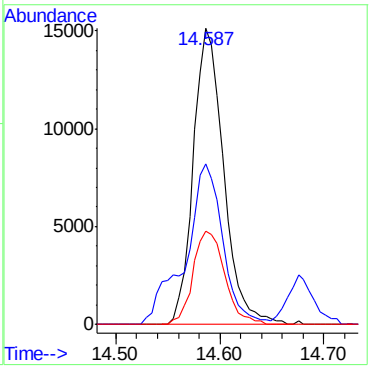


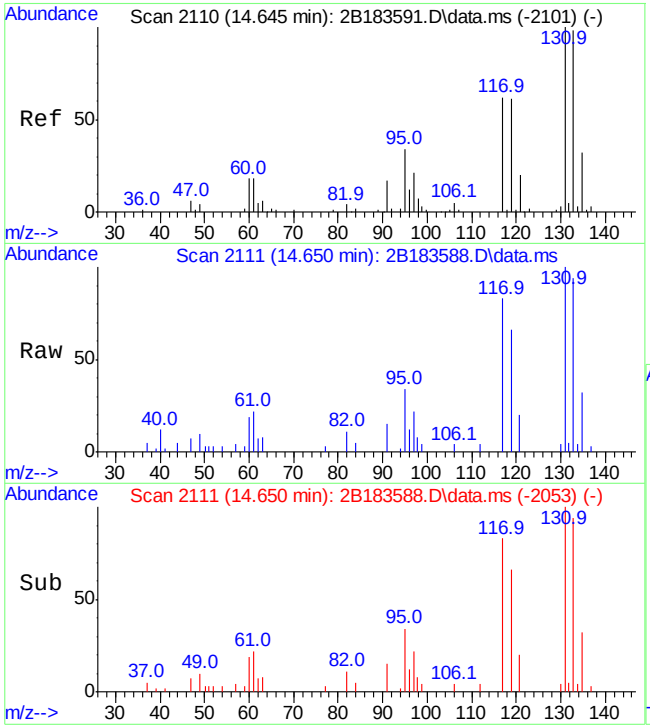


#86
chlorobenzene
Concen: 3.99 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:112 Resp: 30652

Ion	Ratio	Lower	Upper
112	100		
77	41.7	21.5	81.5
114	31.6	2.8	62.8

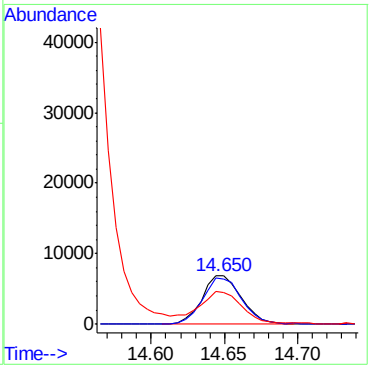


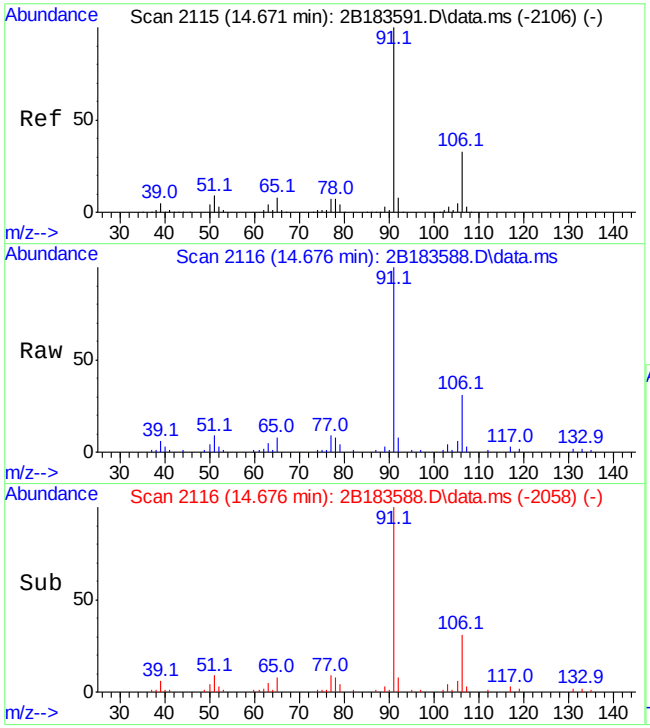


#87
1,1,1,2-tetrachloroethane
Concen: 3.97 ug/L
RT: 14.650 min Scan# 2111
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:131 Resp: 12709

Ion	Ratio	Lower	Upper
131	100		
133	94.3	67.8	127.8
119	62.7	32.9	92.9

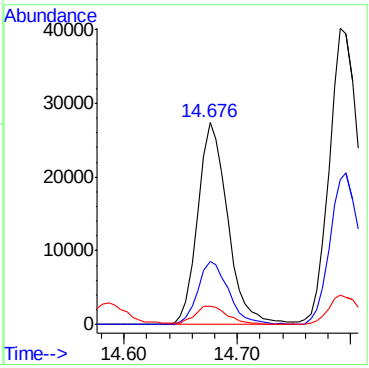


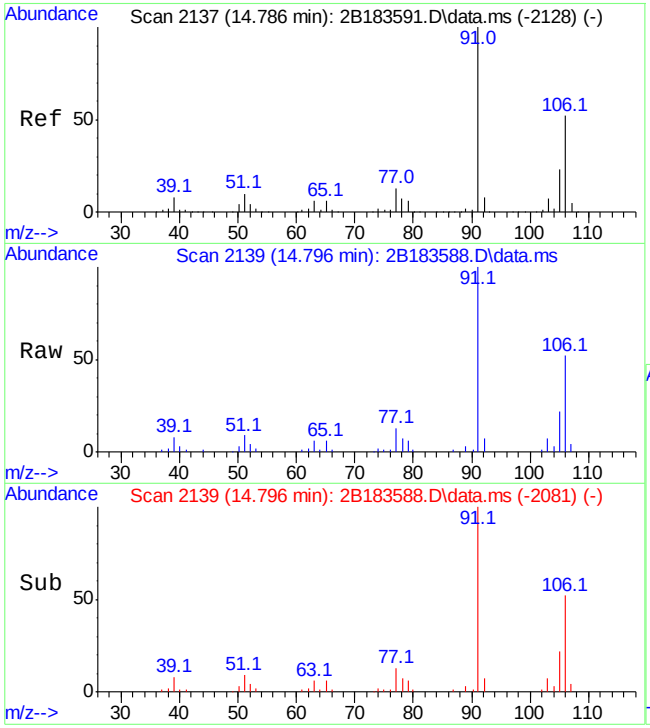


#88
ethylbenzene
Concen: 4.04 ug/L
RT: 14.676 min Scan# 2116
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 91 Resp: 50092

Ion	Ratio	Lower	Upper
91	100		
106	31.2	3.0	63.0
51	8.7	0.0	39.2

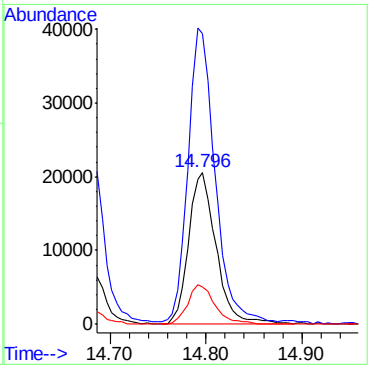


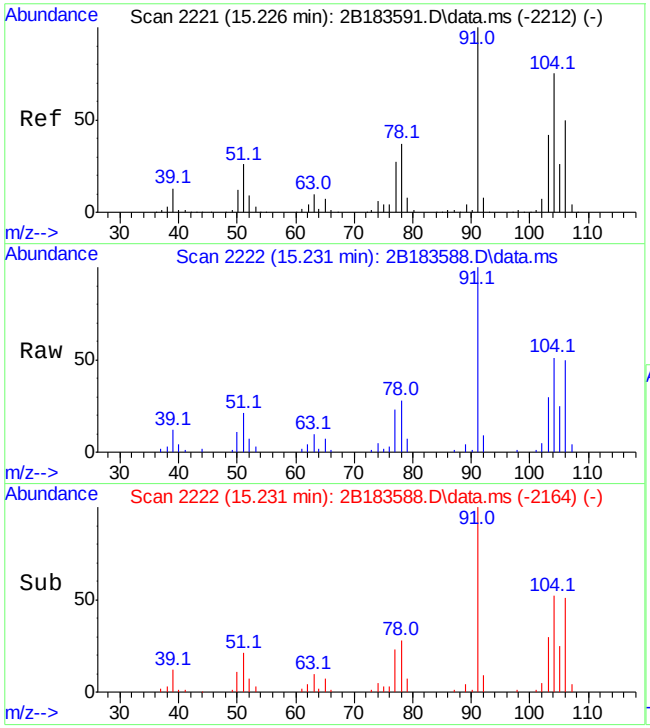


#89
m,p-xylene
Concen: 8.15 ug/L
RT: 14.796 min Scan# 2139
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:106 Resp: 40803

Ion	Ratio	Lower	Upper
106	100		
91	189.6	162.7	222.7
77	24.5	5.0	45.0

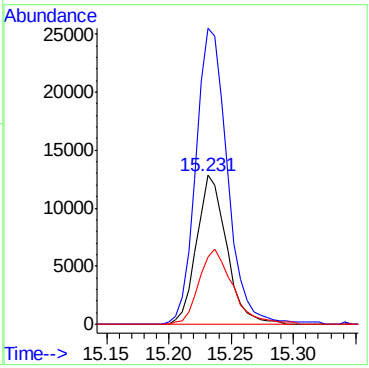


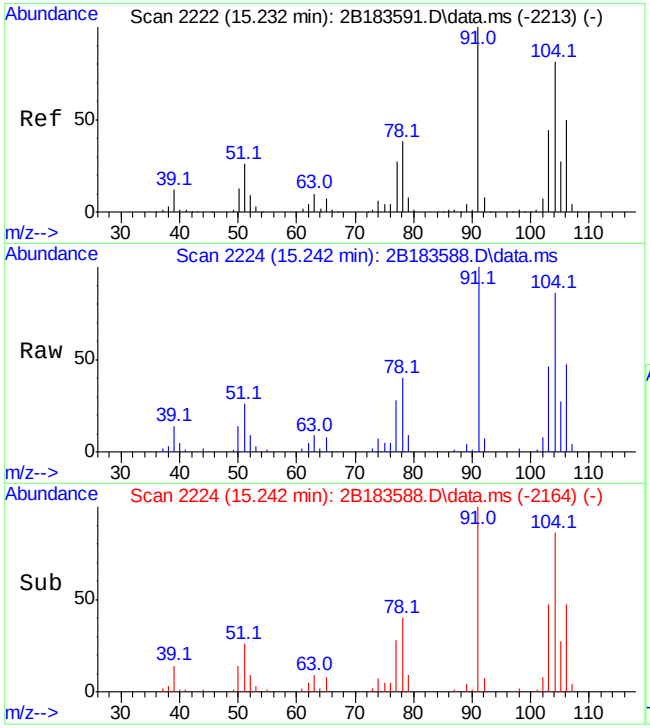


#90
o-xylene
Concen: 4.02 ug/L
RT: 15.231 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:106 Resp: 21429

Ion	Ratio	Lower	Upper
106	100		
91	198.8	169.5	229.5
77	45.3	33.1	73.1

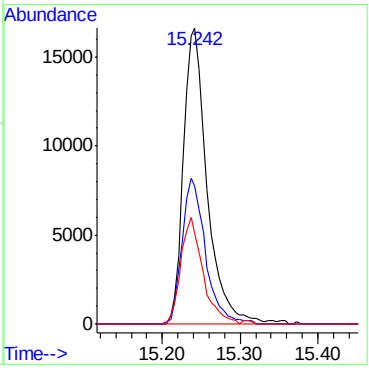


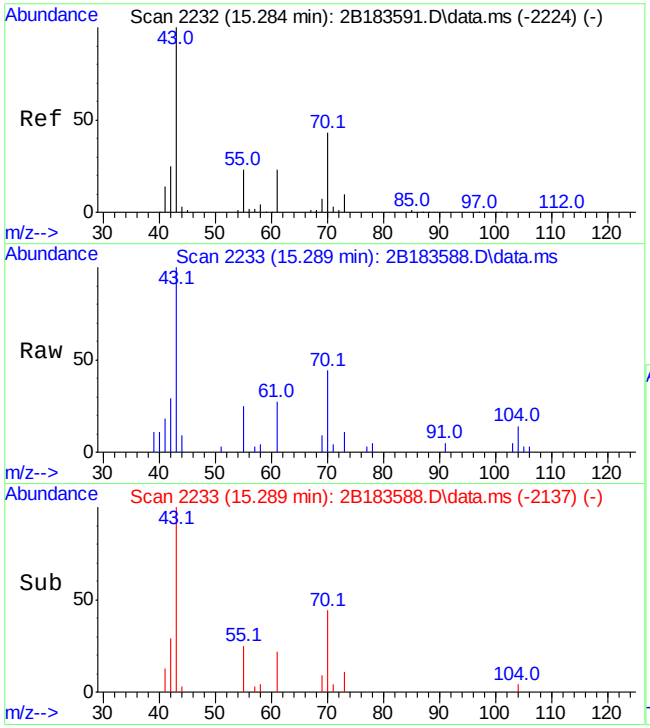


#91
styrene
Concen: 4.12 ug/L
RT: 15.242 min Scan# 2224
Delta R.T. 0.016 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:104 Resp: 35094

Ion	Ratio	Lower	Upper
104	100		
78	46.7	16.8	76.8
51	30.7	2.1	62.1

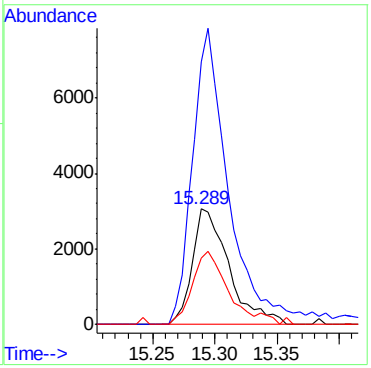


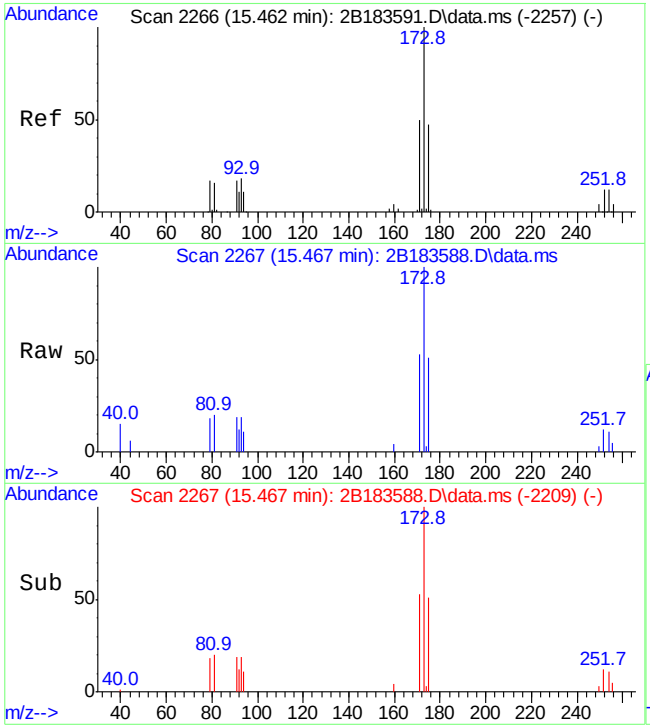


#92
n-amyl acetate
Concen: 3.54 ug/L
RT: 15.289 min Scan# 2233
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 70 Resp: 6208

Ion	Ratio	Lower	Upper
70	100		
43	228.0	202.3	262.3
55	57.6	23.6	83.6

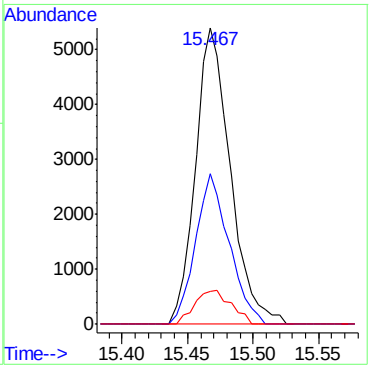


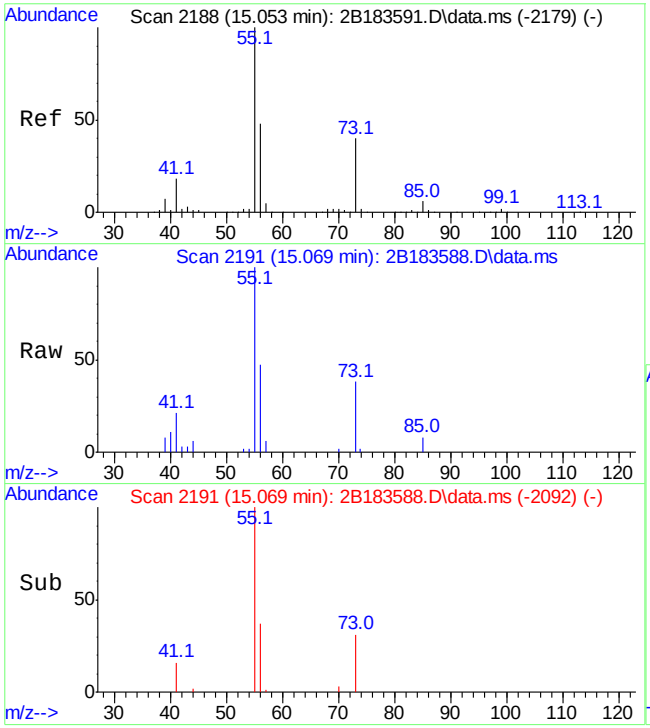


#93
bromoform
Concen: 3.88 ug/L
RT: 15.467 min Scan# 2267
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:173 Resp: 9971

Ion	Ratio	Lower	Upper
173	100		
175	50.9	17.3	77.3
254	11.1	0.0	42.0

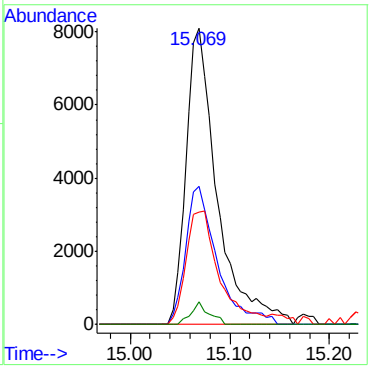


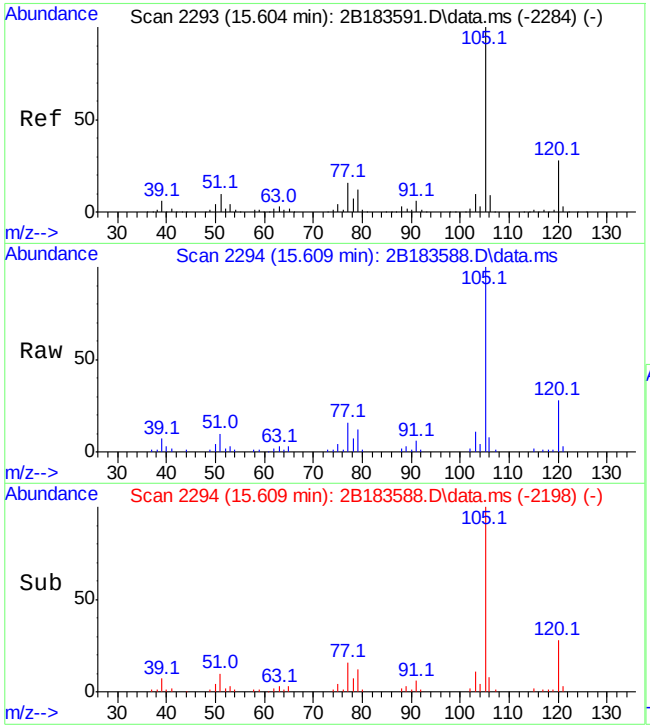


#94
butyl acrylate
Concen: 3.58 ug/L
RT: 15.069 min Scan# 2191
Delta R.T. 0.021 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 55 Resp: 17580

Ion	Ratio	Lower	Upper
55	100		
56	46.8	18.2	78.2
73	38.0	10.0	70.0
85	7.7	0.0	35.9

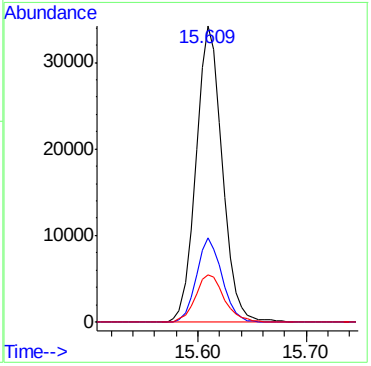


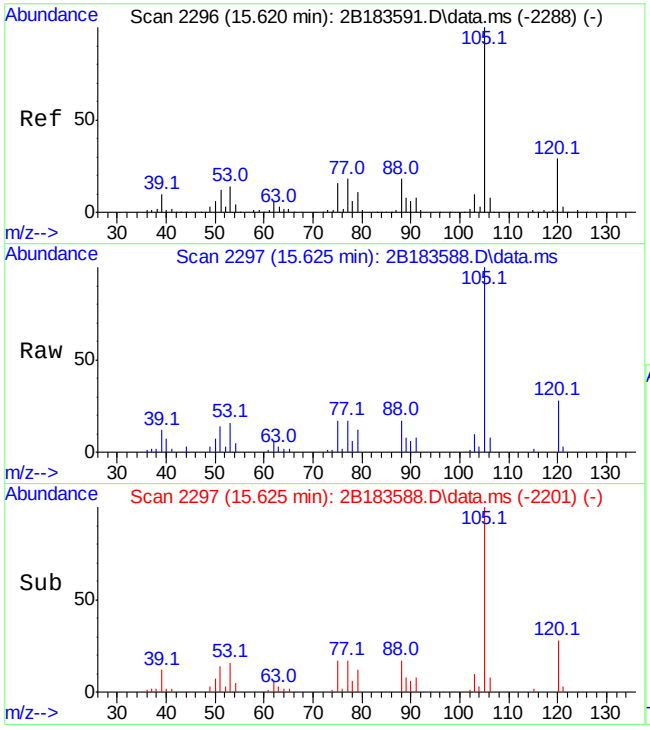


#95
isopropylbenzene
Concen: 3.99 ug/L
RT: 15.609 min Scan# 2294
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:105 Resp: 57993

Ion	Ratio	Lower	Upper
105	100		
120	28.4	7.6	47.6
77	16.0	0.0	35.7

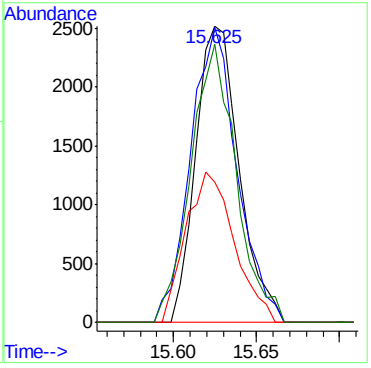


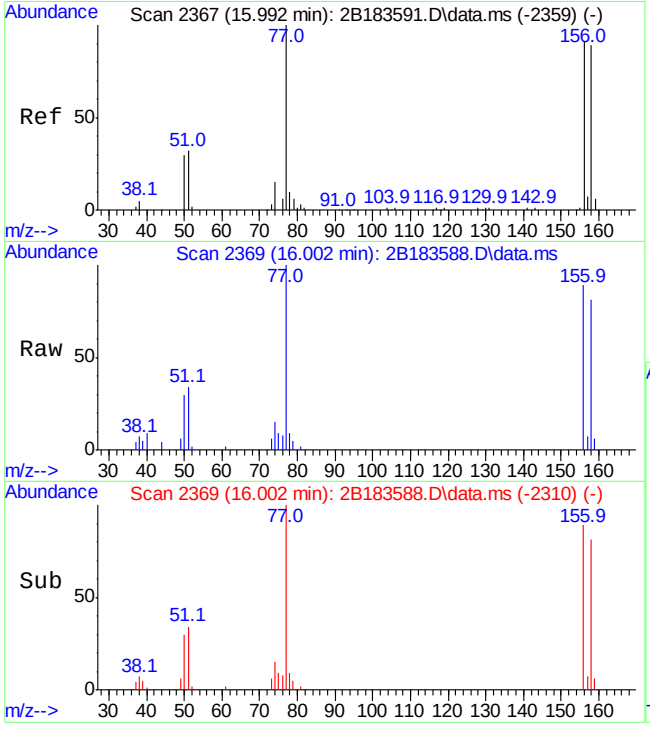


#96
cis-1,4-dichloro-2-butene
Concen: 3.74 ug/L
RT: 15.625 min Scan# 2297
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 88 Resp: 4587

Ion	Ratio	Lower	Upper
88	100		
75	99.8	74.3	114.3
89	47.2	26.9	66.9
53	93.9	62.3	102.3

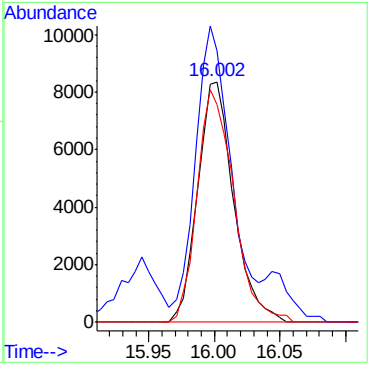


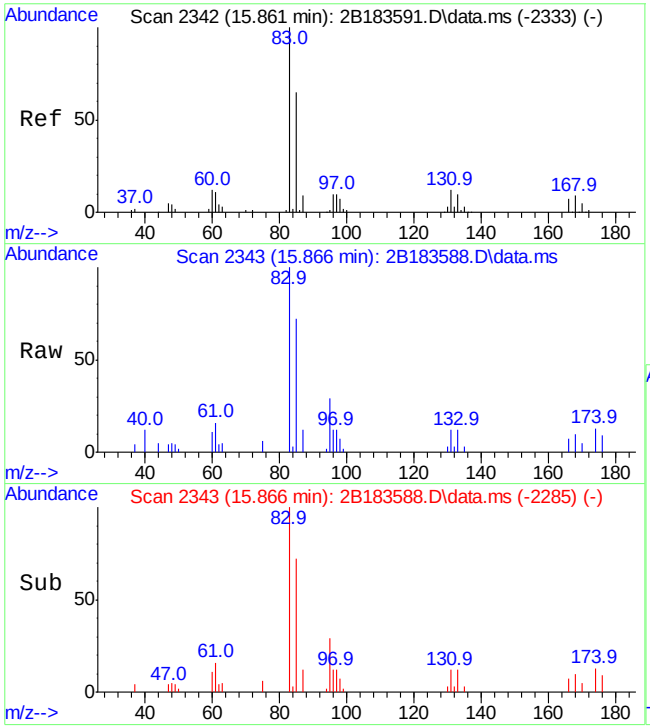


#99
bromobenzene
Concen: 3.87 ug/L
RT: 16.002 min Scan# 2369
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:156 Resp: 15940

Ion	Ratio	Lower	Upper
156	100		
77	103.8	94.4	154.4
158	90.7	68.2	128.2

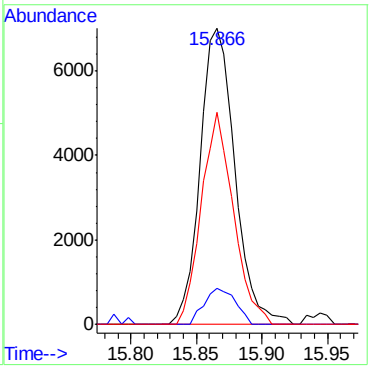


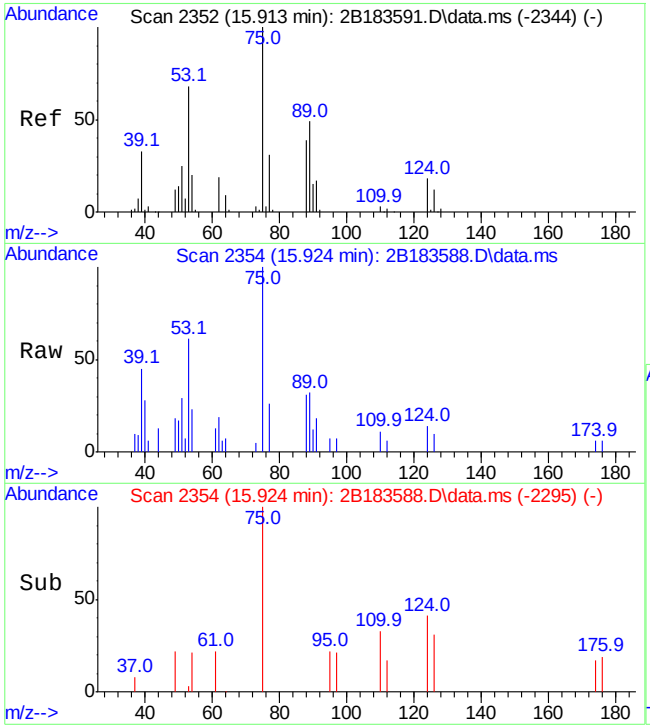


#100
1,1,2,2-tetrachloroethane
Concen: 3.81 ug/L
RT: 15.866 min Scan# 2343
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 83 Resp: 12918

Ion	Ratio	Lower	Upper
83	100		
131	12.2	0.0	41.6
85	71.5	34.8	94.8

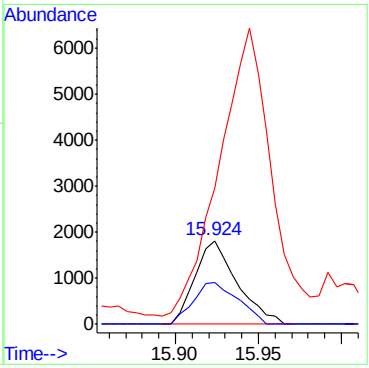


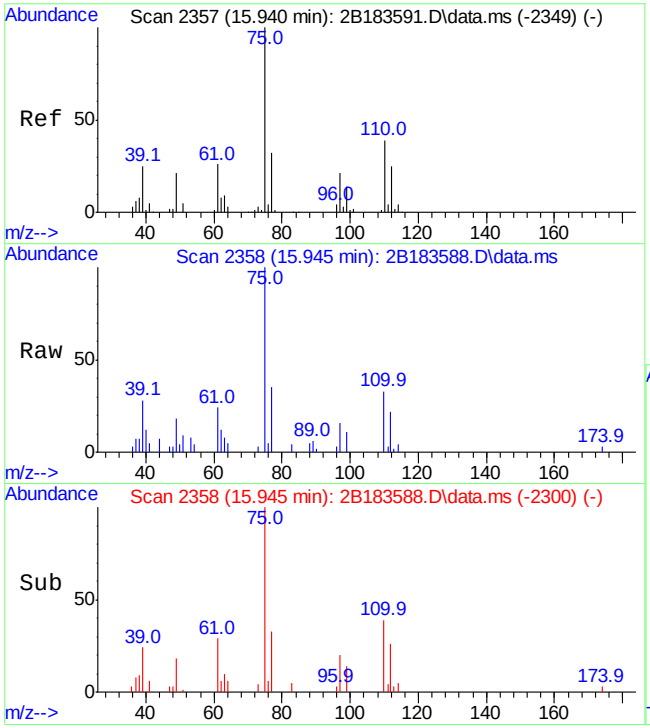


#101
trans-1,4-dichloro-2-butene
Concen: 3.62 ug/L
RT: 15.924 min Scan# 2354
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 53 Resp: 3185

Ion	Ratio	Lower	Upper
53	100		
88	50.2	26.5	86.5
75	153.4	116.8	176.8

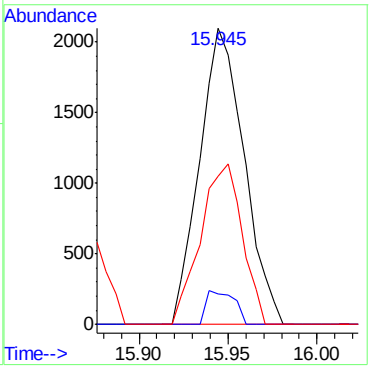


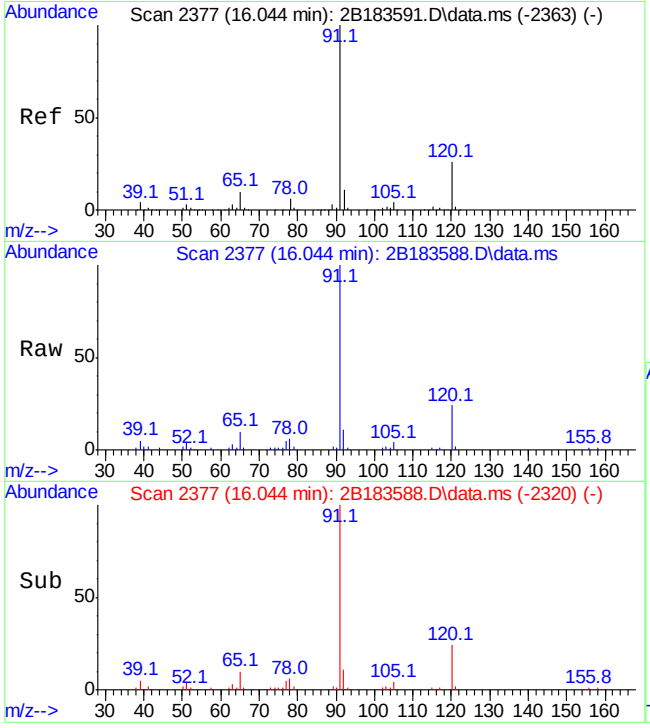


#102
1,2,3-trichloropropane
Concen: 3.71 ug/L
RT: 15.945 min Scan# 2358
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:110 Resp: 3649

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	40.7
97	50.2	23.2	83.2

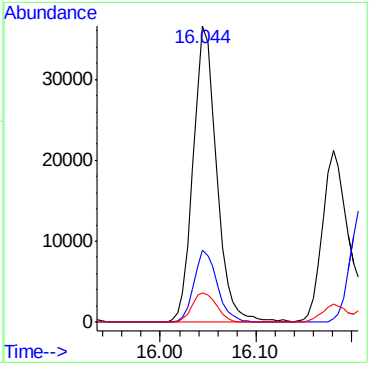


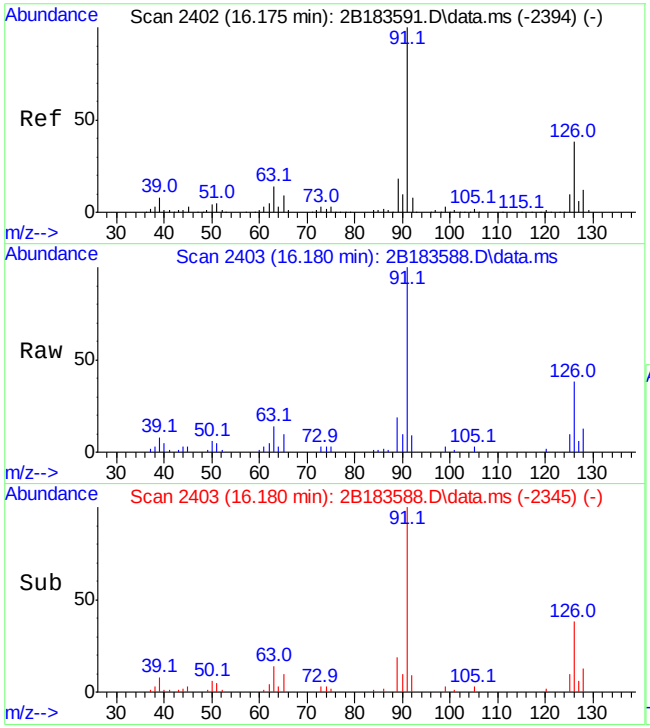


#103
n-propylbenzene
Concen: 3.95 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 91 Resp: 62164

Ion	Ratio	Lower	Upper
91	100		
120	24.1	0.0	55.5
65	9.8	0.0	39.9

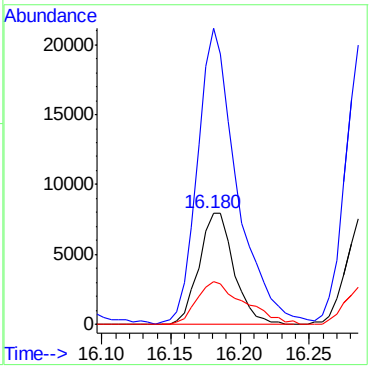


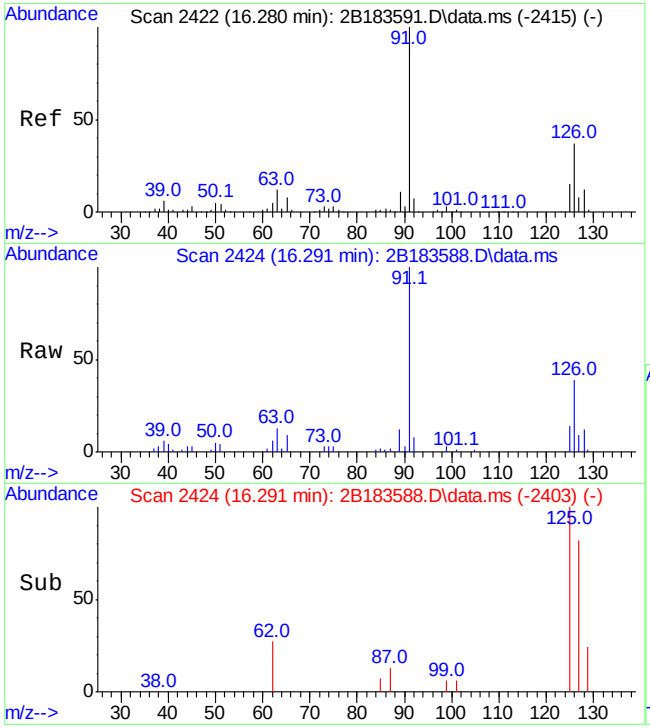


#104
2-chlorotoluene
Concen: 3.77 ug/L
RT: 16.180 min Scan# 2403
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:126 Resp: 13983

Ion	Ratio	Lower	Upper
126	100		
91	263.9	233.1	293.1
63	38.2	6.5	66.5

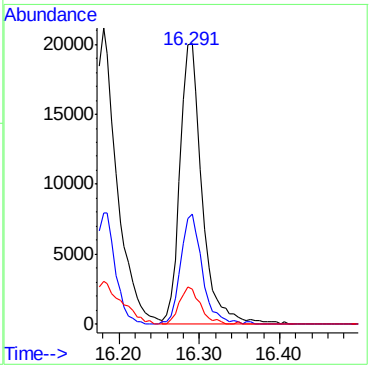


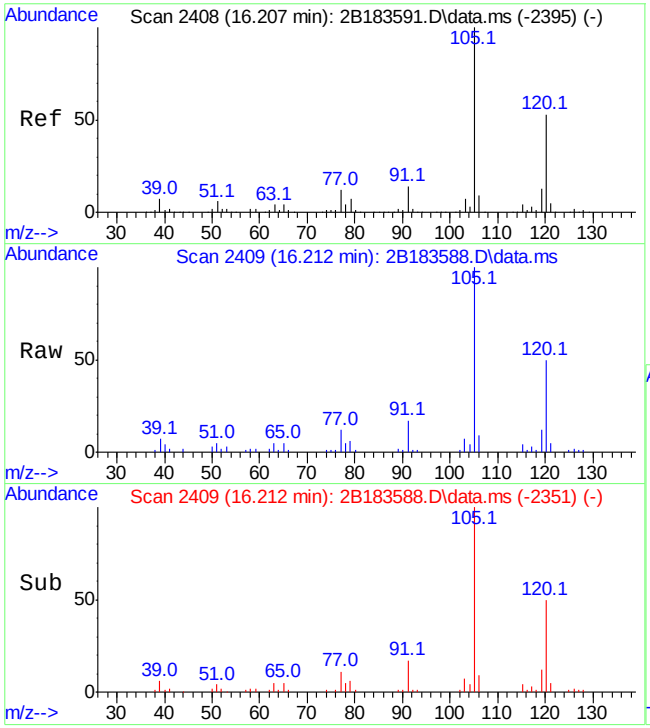


#105
4-chlorotoluene
Concen: 3.88 ug/L
RT: 16.291 min Scan# 2424
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 91 Resp: 38574

Ion	Ratio	Lower	Upper
91	100		
126	39.2	7.4	67.4
63	12.6	0.0	42.1

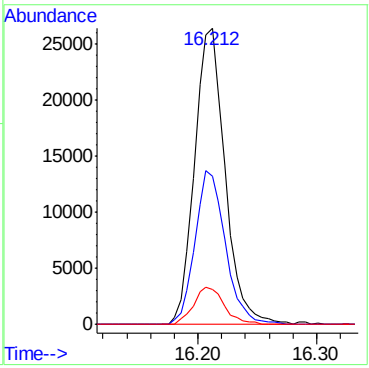


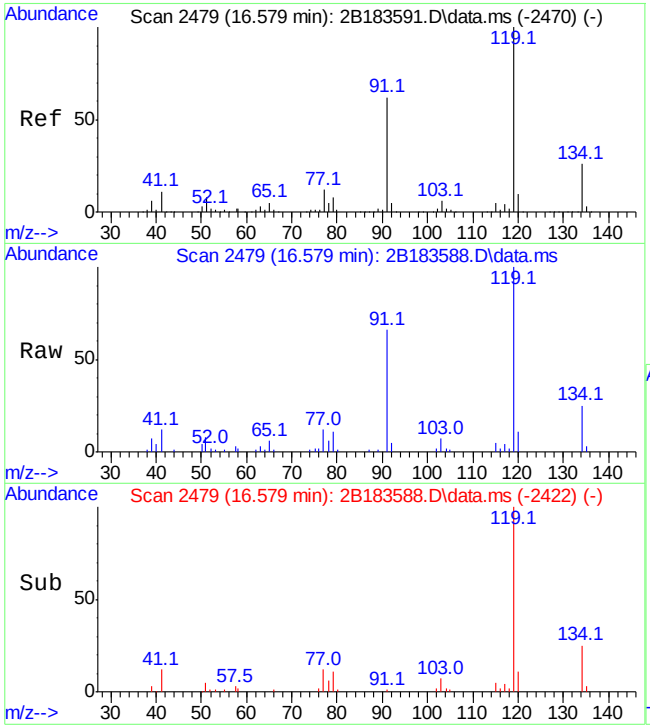


#106
1,3,5-trimethylbenzene
Concen: 3.95 ug/L
RT: 16.212 min Scan# 2409
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:105 Resp: 47077

Ion	Ratio	Lower	Upper
105	100		
120	50.1	22.7	82.7
77	11.8	0.0	42.1

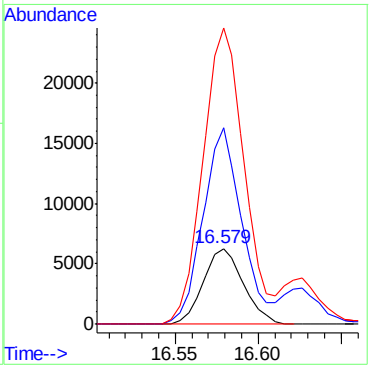


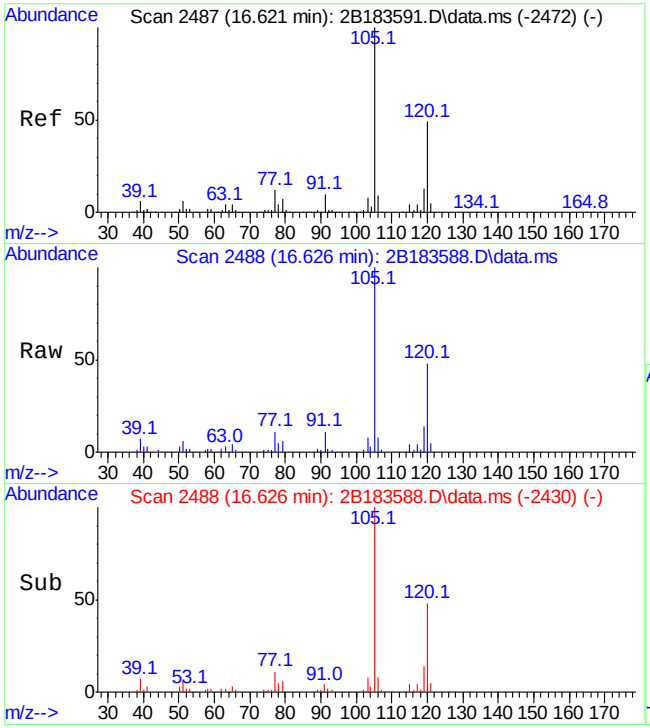


#107
tert-butylbenzene
Concen: 3.69 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:134 Resp: 10463

Ion	Ratio	Lower	Upper
134	100		
91	260.6	208.1	268.1
119	392.9	353.9	413.9

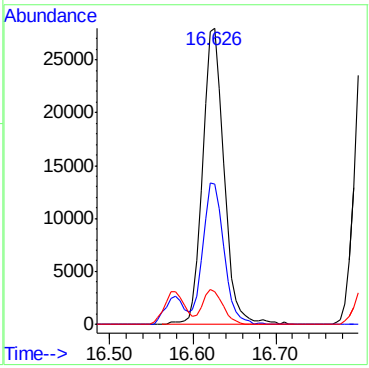


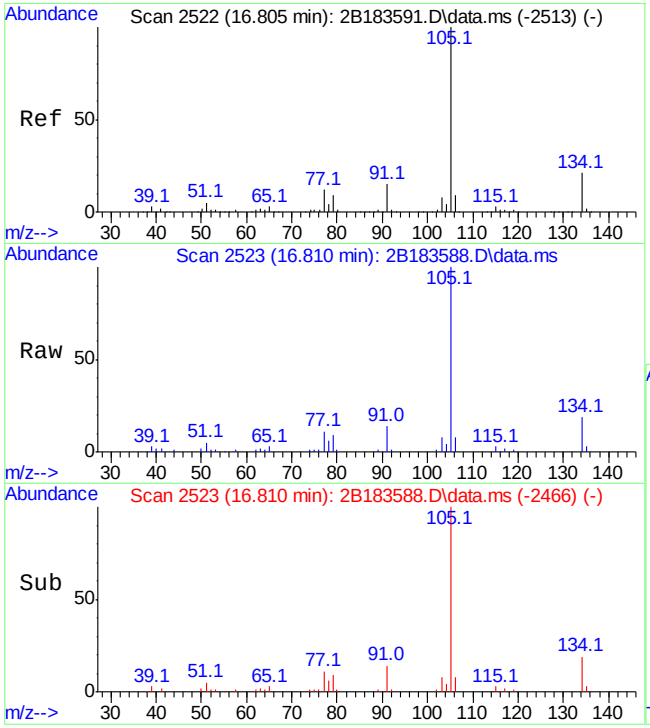


#108
1,2,4-trimethylbenzene
Concen: 3.98 ug/L
RT: 16.626 min Scan# 2488
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:105 Resp: 49326

Ion	Ratio	Lower	Upper
105	100		
120	47.6	19.5	79.5
77	10.9	0.0	41.6

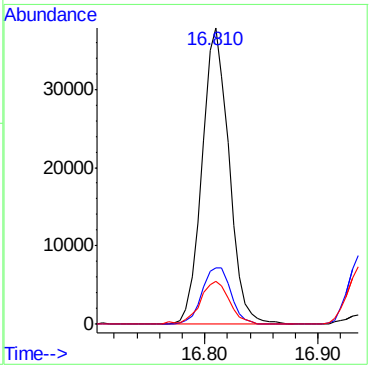


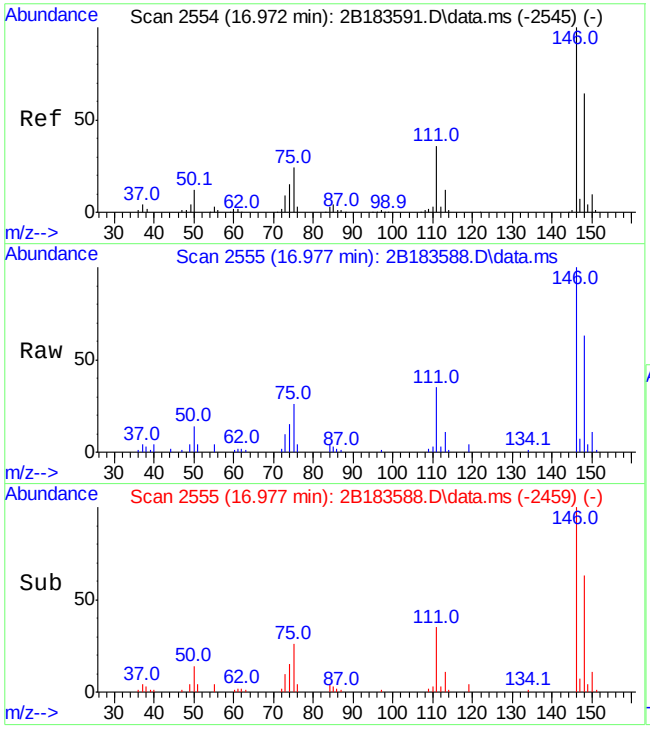


#109
sec-butylbenzene
Concen: 3.77 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:105 Resp: 62088

Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	50.9
91	14.3	0.0	44.9

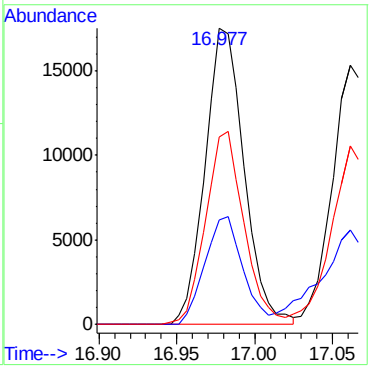


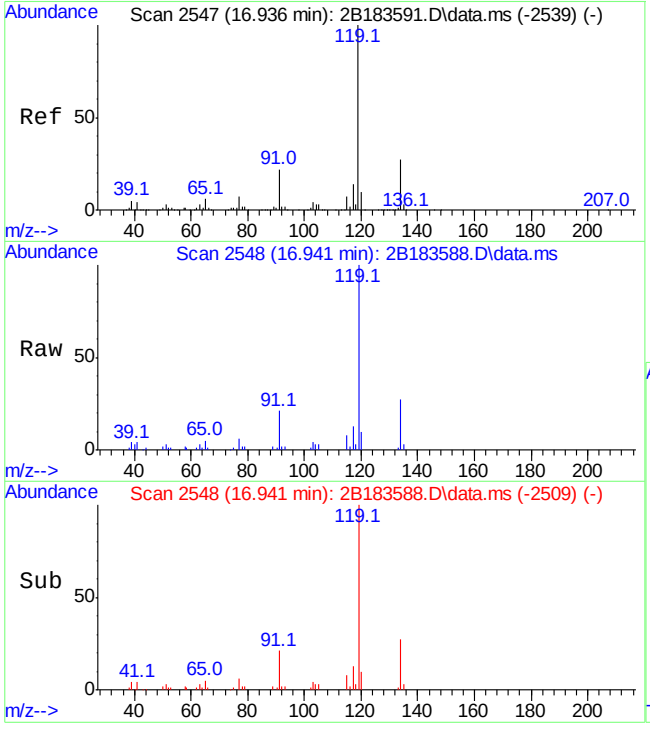


#110
1,3-dichlorobenzene
Concen: 3.94 ug/L
RT: 16.977 min Scan# 2555
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:146 Resp: 30505

Ion	Ratio	Lower	Upper
146	100		
111	35.1	6.0	66.0
148	63.4	34.1	94.1

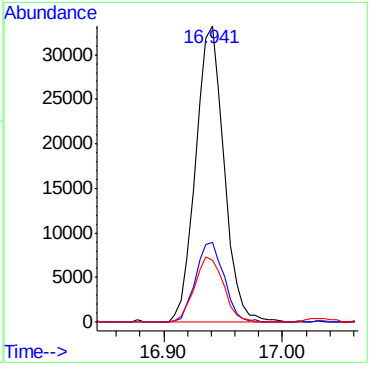


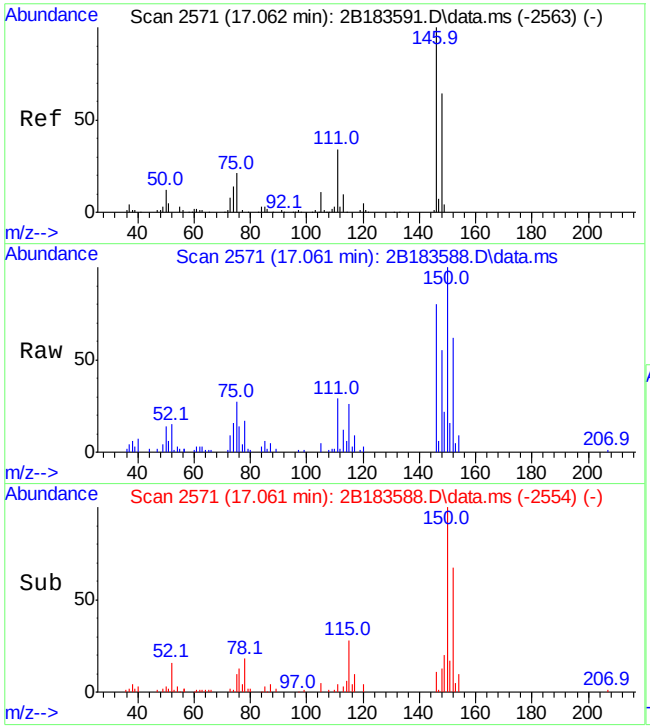


#111
p-isopropyltoluene
Concen: 3.83 ug/L
RT: 16.941 min Scan# 2548
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:119 Resp: 55271

Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	57.3
91	20.8	0.0	51.8

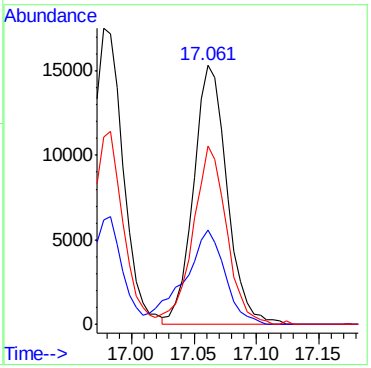


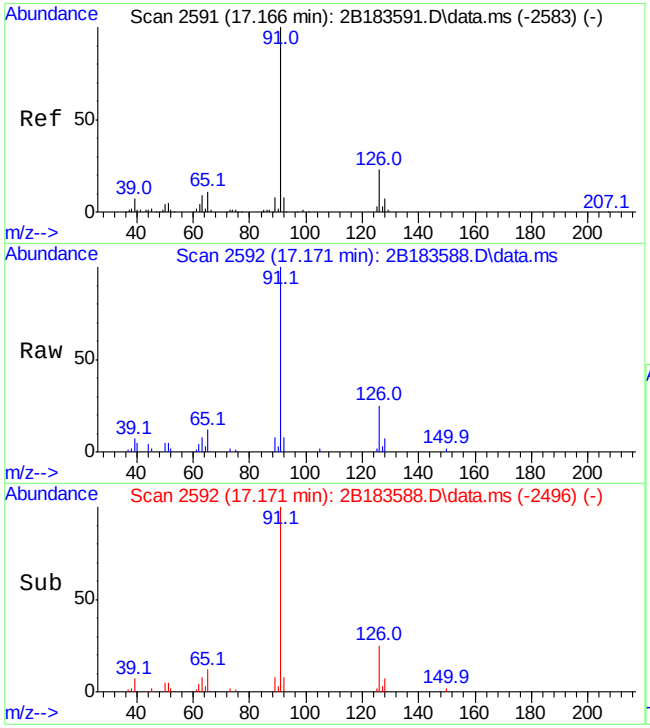


#112
1,4-dichlorobenzene
Concen: 3.76 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:146 Resp: 28551

Ion	Ratio	Lower	Upper
146	100		
111	36.5	4.0	64.0
148	68.8	34.3	94.3

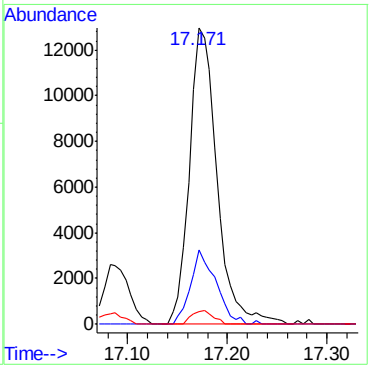


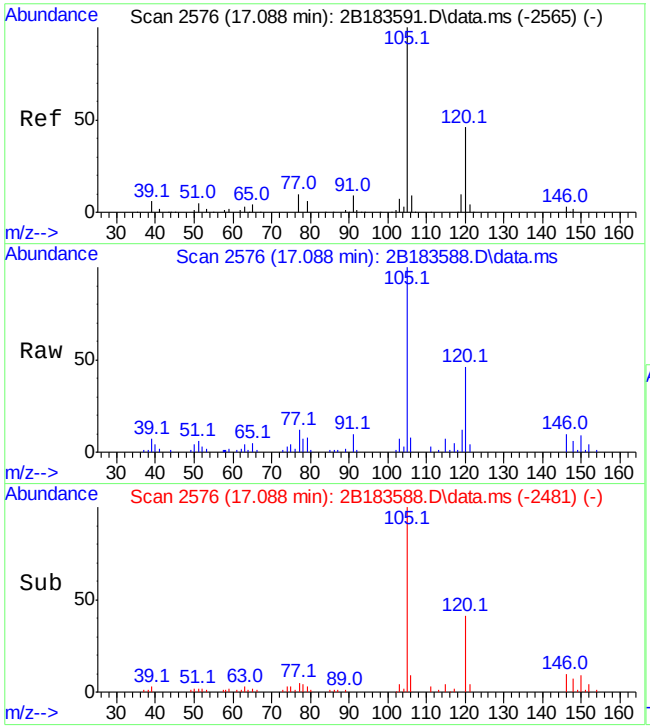


#113
benzyl chloride
Concen: 3.59 ug/L
RT: 17.171 min Scan# 2592
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 91 Resp: 24910

Ion	Ratio	Lower	Upper
91	100		
126	25.2	0.0	52.7
62	4.2	0.0	34.0

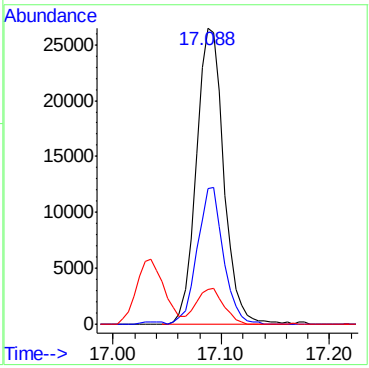


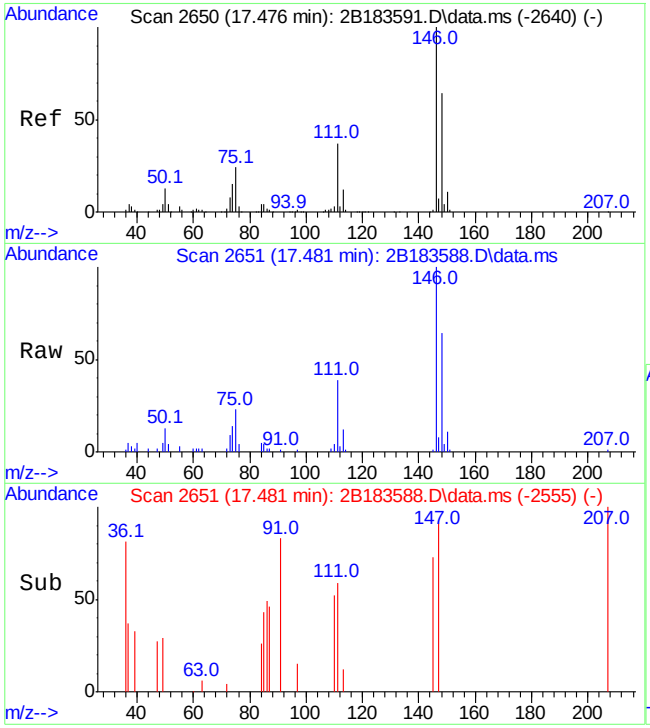


#114
1,2,3-trimethylbenzene
Concen: 3.88 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:105 Resp: 47057

Ion	Ratio	Lower	Upper
105	100		
120	46.0	16.3	76.3
77	11.3	0.0	41.7

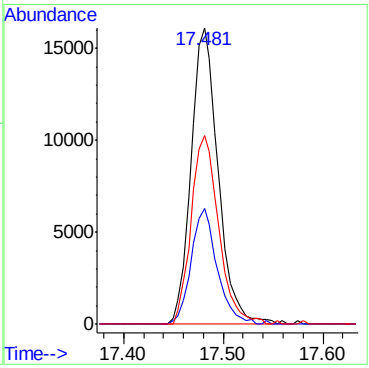


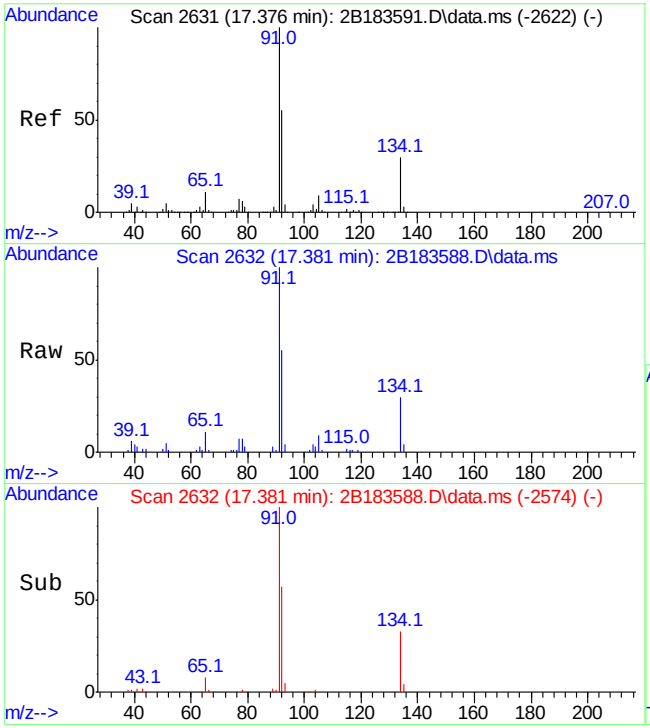


#115
1,2-dichlorobenzene
Concen: 3.92 ug/L
RT: 17.481 min Scan# 2651
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:146 Resp: 30299

Ion	Ratio	Lower	Upper
146	100		
111	39.0	6.6	66.6
148	63.7	34.3	94.3

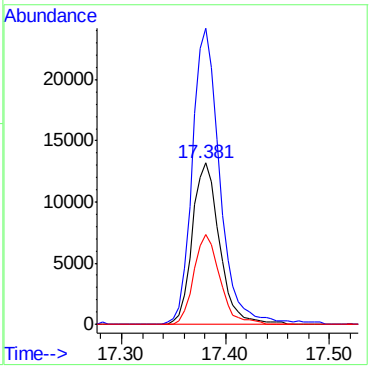


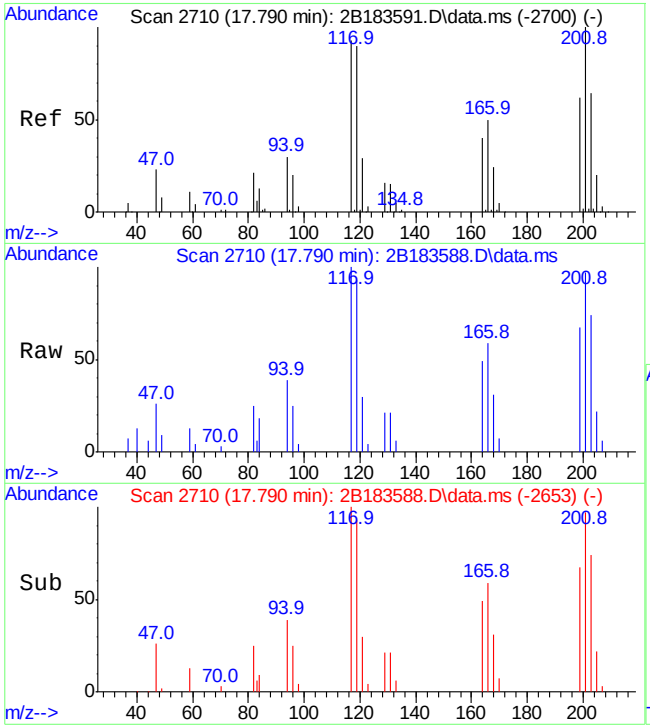


#116
n-butylbenzene
Concen: 3.53 ug/L
RT: 17.381 min Scan# 2632
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion: 92 Resp: 24007

Ion	Ratio	Lower	Upper
92	100		
91	183.3	150.9	210.9
134	55.7	23.6	83.6

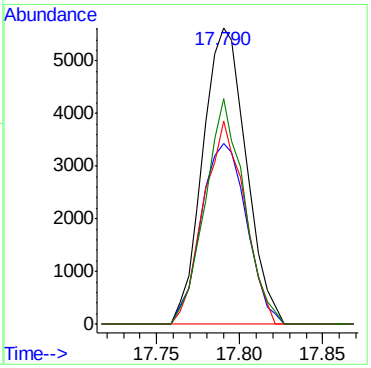


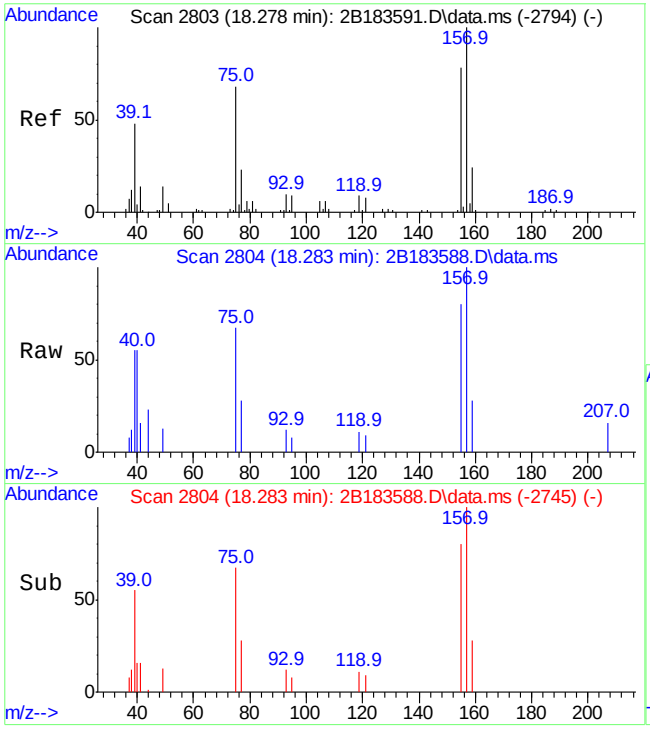


#117
hexachloroethane
Concen: 3.41 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:201 Resp: 10214

Ion	Ratio	Lower	Upper
201	100		
166	61.0	30.5	70.5
199	68.8	42.1	82.1
203	76.3	44.3	84.3

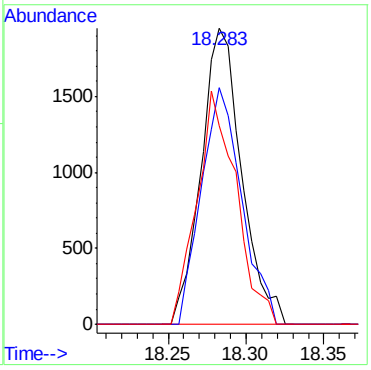


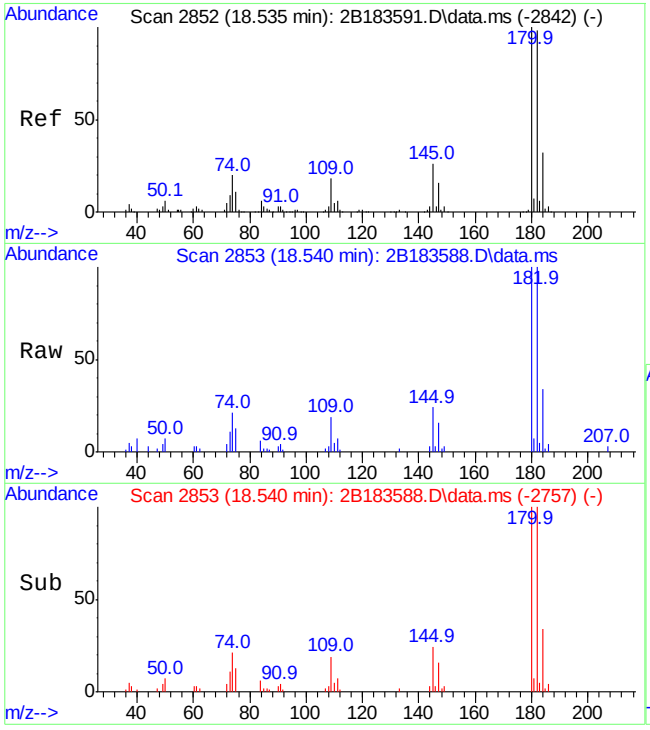


#118
1,2-dibromo-3-chloropropane
Concen: 3.37 ug/L
RT: 18.283 min Scan# 2804
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:157 Resp: 3524

Ion	Ratio	Lower	Upper
157	100		
155	80.1	47.6	107.6
75	67.0	38.4	98.4

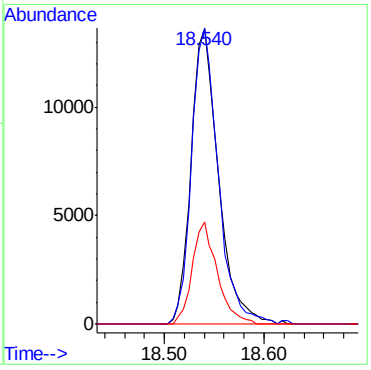


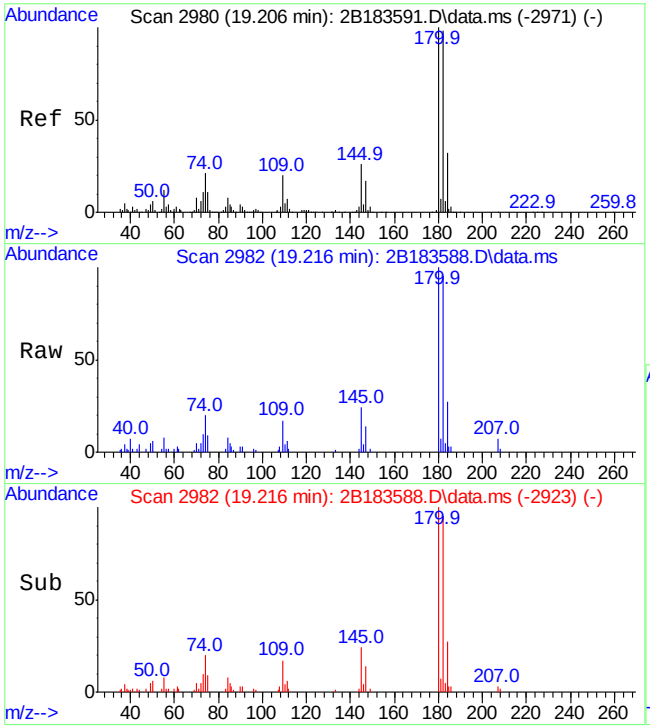


#119
1,3,5-trichlorobenzene
Concen: 3.81 ug/L
RT: 18.540 min Scan# 2853
Delta R.T. 0.005 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:180 Resp: 26026

Ion	Ratio	Lower	Upper
180	100		
182	100.5	67.9	127.9
184	34.5	1.5	61.5

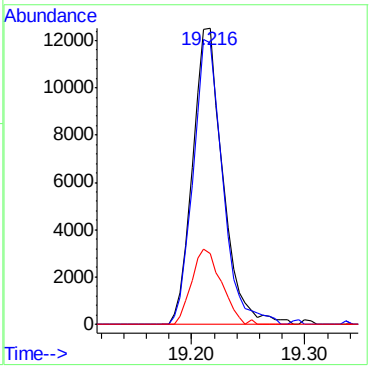


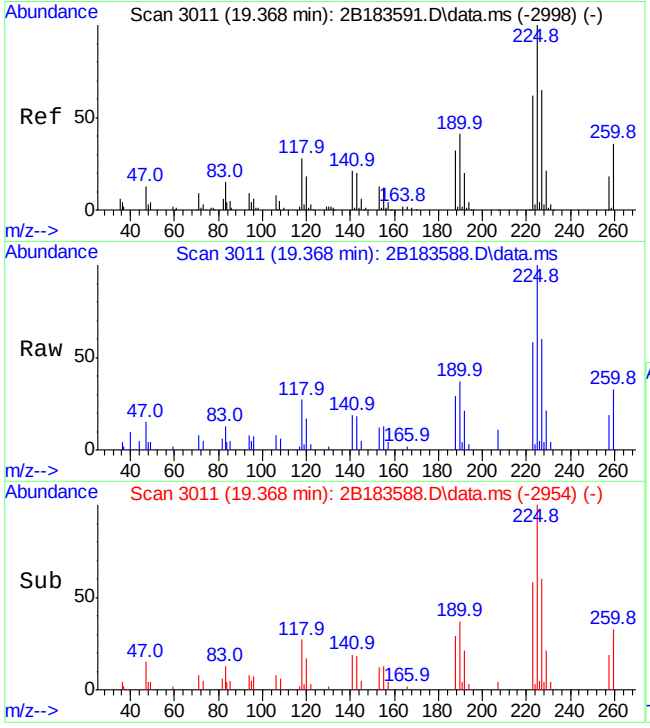


#121
1,2,4-trichlorobenzene
Concen: 3.74 ug/L
RT: 19.216 min Scan# 2982
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:180 Resp: 23115

Ion	Ratio	Lower	Upper
180	100		
182	95.0	68.2	128.2
145	23.8	0.0	56.2

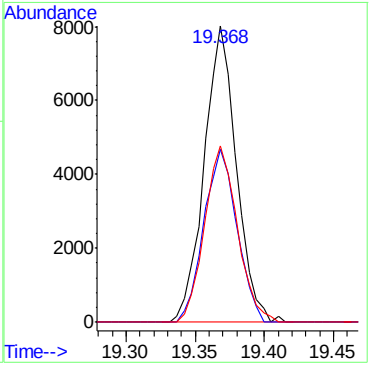


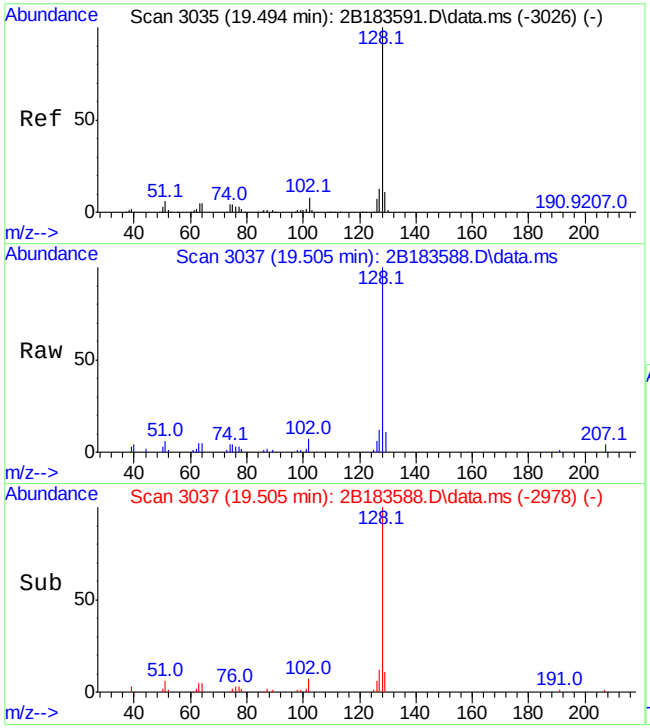


#122
hexachlorobutadiene
Concen: 4.10 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. -0.000 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:225 Resp: 13008

Ion	Ratio	Lower	Upper
225	100		
223	58.4	32.1	92.1
227	59.7	34.7	94.7

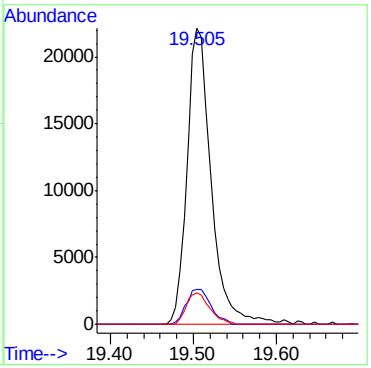


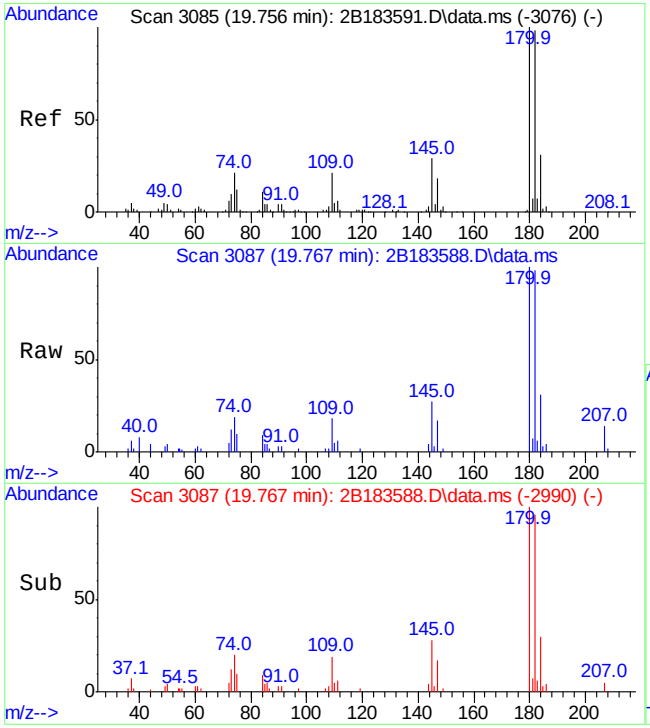


#123
naphthalene
Concen: 3.81 ug/L
RT: 19.505 min Scan# 3037
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:128 Resp: 45001

Ion	Ratio	Lower	Upper
128	100		
127	11.7	0.0	42.6
129	10.8	0.0	41.2

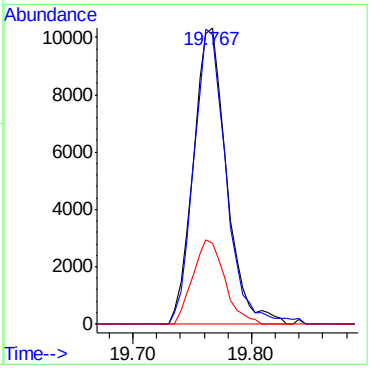




#124
1,2,3-trichlorobenzene
Concen: 3.84 ug/L
RT: 19.767 min Scan# 3087
Delta R.T. 0.010 min
Lab File: 2B183588.D
Acq: 16 Jun 21 7:53 pm

Tgt Ion:180 Resp: 20022

Ion	Ratio	Lower	Upper
180	100		
182	97.9	68.2	128.2
145	27.4	0.0	58.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183589.D
Acq On : 16 Jun 2021 8:22 pm
Operator : thienn
Sample : ic8337-8
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 18:49:57 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.745	65	123669	500.00	ug/L		0.00
5) pentafluorobenzene	10.256	168	355932	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	479462	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	449362	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	247745	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	158368	49.79	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.58%				
52) 1,2-dichloroethane-d4 (s)	10.676	65	168536	50.72	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.44%				
74) toluene-d8 (s)	12.951	98	550515	50.81	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.62%				
98) 4-bromofluorobenzene (s)	15.787	95	203290	49.06	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.12%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.902	59	10577	38.59	ug/L		96
3) ethanol	6.376	45	17851	761.91	ug/L		93
4) 1,4-dioxane	11.955	88	4023	177.56	ug/L		86
6) chlorodifluoromethane	4.158	51	32491	7.42	ug/L		98
7) dichlorodifluoromethane	4.148	85	41129	7.01	ug/L		100
8) chloromethane	4.557	50	39991	7.11	ug/L		99
9) vinyl chloride	4.798	62	37381	7.32	ug/L		96
10) 1,3-butadiene	4.835	54	27201	7.71	ug/L		96
11) bromomethane	5.459	94	26253	7.13	ug/L		97
12) chloroethane	5.637	64	18229	7.21	ug/L		93
13) trichlorofluoromethane	6.125	101	42326	6.93	ug/L		100
14) ethyl ether	6.617	74	11174	7.37	ug/L		88
15) acrolein	6.843	56	2320	7.17	ug/L		88
16) freon 113	7.074	151	24034	7.78	ug/L		99
17) 1,1-dichloroethene	7.042	96	19439	7.32	ug/L		99
18) acetone	7.074	43	20726	30.82	ug/L		95
19) acetonitrile	7.493	41	20961	74.02	ug/L		92
20) iodomethane	7.304	142	44265	7.49	ug/L		98
21) carbon disulfide	7.472	76	67308	7.42	ug/L		98
22) methylene chloride	7.792	84	21321	7.48	ug/L		97
23) methyl acetate	7.640	43	14264	8.24	ug/L		92
24) methyl tert butyl ether	8.248	73	65589	7.68	ug/L		98
25) trans-1,2-dichloroethene	8.258	96	21537	7.48	ug/L		98
26) di-isopropyl ether	8.935	45	67346	7.75	ug/L		92
27) 2-butanone	9.627	72	7636	29.65	ug/L	#	84
28) 1,1-dichloroethane	8.851	63	37294	7.72	ug/L		97
29) chloroprene	9.003	53	28686	7.69	ug/L		96
30) acrylonitrile	8.169	52	3641	5.66	ug/L		93
31) hexane	8.683	56	15161	7.12	ug/L		98
32) vinyl acetate	8.903	86	3016	5.76	ug/L	#	81
33) ethyl tert-butyl ether	9.438	59	70179	7.39	ug/L		98
34) ethyl acetate	9.706	45	2077	6.41	ug/L	#	65

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183589.D
Acq On : 16 Jun 2021 8:22 pm
Operator : thienn
Sample : ic8337-8
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 18:49:57 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) 2,2-dichloropropane	9.674	77	35278	7.74	ug/L		94
36) cis-1,2-dichloroethene	9.648	96	22869	7.50	ug/L		96
37) methyl acrylate	9.795	55	14453	7.13	ug/L		92
38) propionitrile	9.658	54	22822	74.01	ug/L		95
39) bromochloromethane	9.962	128	13080	7.54	ug/L		90
40) tetrahydrofuran	10.062	72	2077	6.91	ug/L		82
41) chloroform	10.036	85	25345	7.20	ug/L		96
42) t-butyl formate	10.120	59	16306	6.89	ug/L		92
44) methacrylonitrile	9.905	67	6894	6.94	ug/L		93
45) 1,1,1-trichloroethane	10.345	97	34108	7.20	ug/L		99
46) cyclohexane	10.466	84	29457	7.01	ug/L		95
47) 1,1-dichloropropene	10.550	75	26790	7.28	ug/L		97
48) iso-butyl alcohol	10.534	43	5039	60.38	ug/L		76
49) carbon tetrachloride	10.581	117	32227	7.27	ug/L		97
50) tert amyl alcohol	10.676	55	3186	36.30	ug/L		96
53) n-butyl alcohol	11.336	56	19834	341.87	ug/L		93
54) 2,2,4-trimethylpentane	10.906	57	69364	7.21	ug/L		96
55) benzene	10.807	78	76520	7.53	ug/L		97
56) tert-amyl methyl ether	10.896	87	15982	7.28	ug/L		94
57) heptane	11.095	71	15503	7.15	ug/L		95
58) isopropyl acetate	10.775	87	3666	6.76	ug/L	#	68
59) 1,2-dichloroethane	10.780	62	28476	7.33	ug/L		97
60) trichloroethene	11.572	130	23528	7.11	ug/L		97
61) ethyl acrylate	11.604	55	20314	7.21	ug/L		85
62) 2-nitropropane	12.311	41	5008	6.93	ug/L		93
63) 2-chloroethyl vinyl ether	12.390	63	60119	37.28	ug/L		99
64) methyl methacrylate	11.876	100	4146	6.56	ug/L	#	45
65) 1,2-dichloropropane	11.813	63	20657	7.52	ug/L		99
66) dibromomethane	11.960	93	13303	7.25	ug/L		98
67) methylcyclohexane	11.845	83	38207	7.43	ug/L		97
68) bromodichloromethane	12.102	83	29251	7.50	ug/L		99
69) epichlorohydrin	12.479	57	8752	35.81	ug/L		97
70) cis-1,3-dichloropropene	12.610	75	33710	7.28	ug/L		95
71) 4-methyl-2-pentanone	12.726	58	27710	29.48	ug/L		96
72) 3-methyl-1-butanol	12.752	70	8127	145.54	ug/L		89
75) toluene	13.030	92	48440	7.55	ug/L		97
76) trans-1,3-dichloropropene	13.203	75	28955	7.54	ug/L		98
77) ethyl methacrylate	13.260	69	23031	7.41	ug/L		99
78) 1,1,2-trichloroethane	13.418	83	15203	7.65	ug/L		96
79) tetrachloroethene	13.669	164	21399	7.66	ug/L		97
80) 1,3-dichloropropane	13.617	76	29807	7.39	ug/L		98
81) 2-hexanone	13.648	58	23300	29.93	ug/L		97
82) butyl acetate	13.764	56	10988	7.40	ug/L		99
83) dibromochloromethane	13.895	129	24529	7.55	ug/L		98
84) 1,2-dibromoethane	14.057	107	20181	7.68	ug/L		98
85) n-butyl ether	14.576	57	74555	7.51	ug/L		99
86) chlorobenzene	14.587	112	58366	7.65	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.650	131	24061	7.56	ug/L		99
88) ethylbenzene	14.676	91	94429	7.67	ug/L		99
89) m,p-xylene	14.791	106	77206	15.52	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183589.D
Acq On : 16 Jun 2021 8:22 pm
Operator : thienn
Sample : ic8337-8
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 18:49:57 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

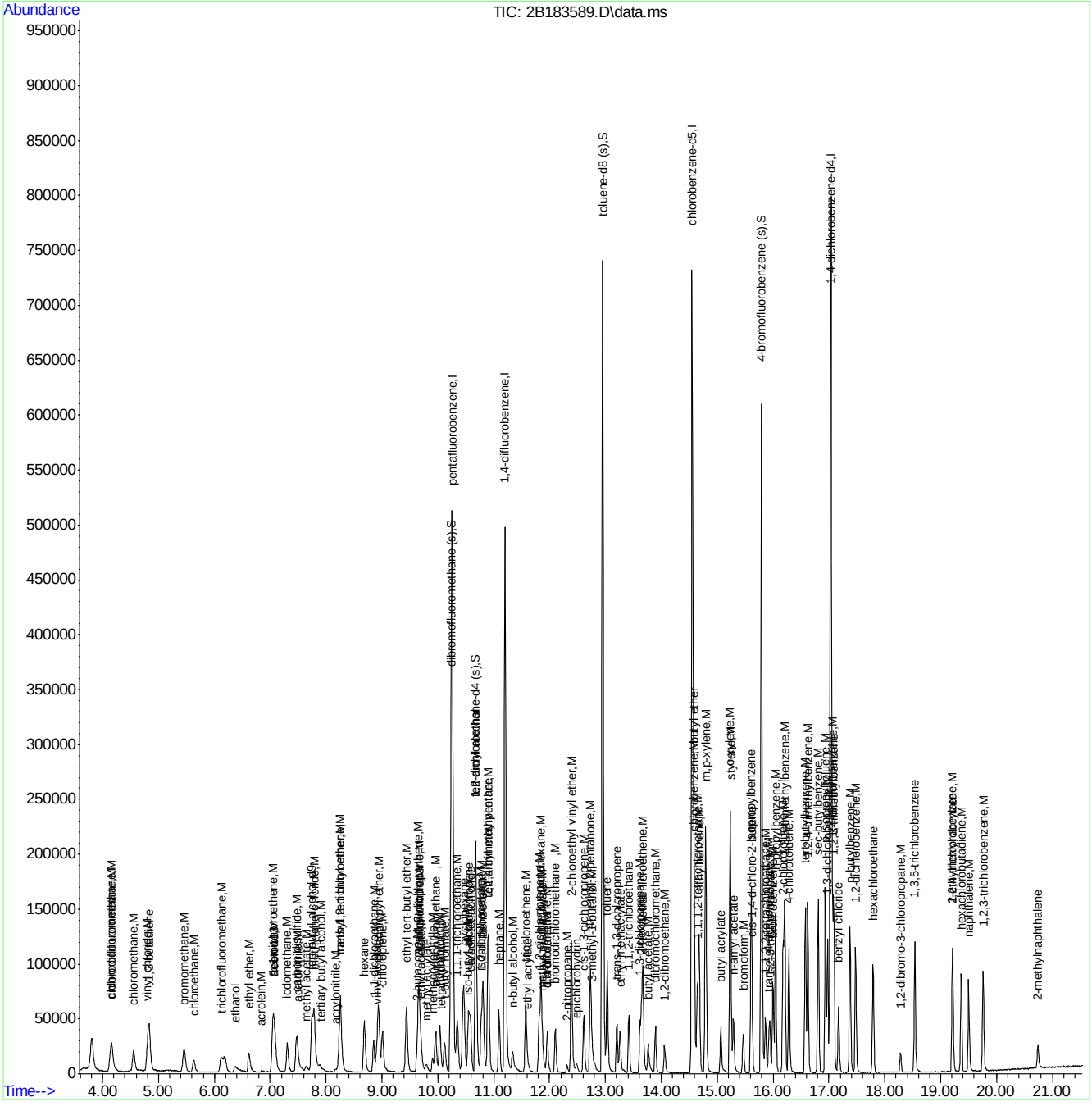
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
90)	o-xylene	15.232	106	41528	7.83	ug/L		98
91)	styrene	15.237	104	66552	7.86	ug/L		96
92)	n-amyl acetate	15.289	70	13029	7.46	ug/L		95
93)	bromoform	15.468	173	18859	7.37	ug/L		92
94)	butyl acrylate	15.064	55	35423	7.25	ug/L		99
95)	isopropylbenzene	15.609	105	110532	7.65	ug/L		99
96)	cis-1,4-dichloro-2-butene	15.625	88	9044	7.42	ug/L		99
99)	bromobenzene	15.997	156	30009	7.45	ug/L		95
100)	1,1,2,2-tetrachloroethane	15.866	83	24259	7.32	ug/L		97
101)	trans-1,4-dichloro-2-b...	15.924	53	6058	7.04	ug/L		83
102)	1,2,3-trichloropropane	15.945	110	7160	7.45	ug/L		96
103)	n-propylbenzene	16.044	91	117653	7.63	ug/L		99
104)	2-chlorotoluene	16.181	126	27052	7.45	ug/L		98
105)	4-chlorotoluene	16.286	91	73624	7.57	ug/L		100
106)	1,3,5-trimethylbenzene	16.207	105	89462	7.67	ug/L		98
107)	tert-butylbenzene	16.579	134	20190	7.29	ug/L		90
108)	1,2,4-trimethylbenzene	16.621	105	93269	7.69	ug/L		99
109)	sec-butylbenzene	16.810	105	119962	7.44	ug/L		99
110)	1,3-dichlorobenzene	16.978	146	56570	7.46	ug/L		99
111)	p-isopropyltoluene	16.936	119	105144	7.44	ug/L		98
112)	1,4-dichlorobenzene	17.062	146	54121	7.28	ug/L		98
113)	benzyl chloride	17.172	91	48190	7.09	ug/L		99
114)	1,2,3-trimethylbenzene	17.088	105	89629	7.56	ug/L		96
115)	1,2-dichlorobenzene	17.476	146	57786	7.64	ug/L		97
116)	n-butylbenzene	17.376	92	46793	7.04	ug/L		98
117)	hexachloroethane	17.790	201	20323	6.93	ug/L		94
118)	1,2-dibromo-3-chloropr...	18.283	157	6920	6.76	ug/L		99
119)	1,3,5-trichlorobenzene	18.535	180	49432	7.40	ug/L		95
120)	2-ethylhexyl acrylate	19.211	70	2064	1.45	ug/L	#	80
121)	1,2,4-trichlorobenzene	19.211	180	43627	7.22	ug/L		93
122)	hexachlorobutadiene	19.368	225	23279	7.50	ug/L		95
123)	naphthalene	19.505	128	82455	7.14	ug/L		100
124)	1,2,3-trichlorobenzene	19.762	180	37237	7.29	ug/L		100
125)	2-methylnaphthalene	20.742	142	15954	3.52	ug/L		99

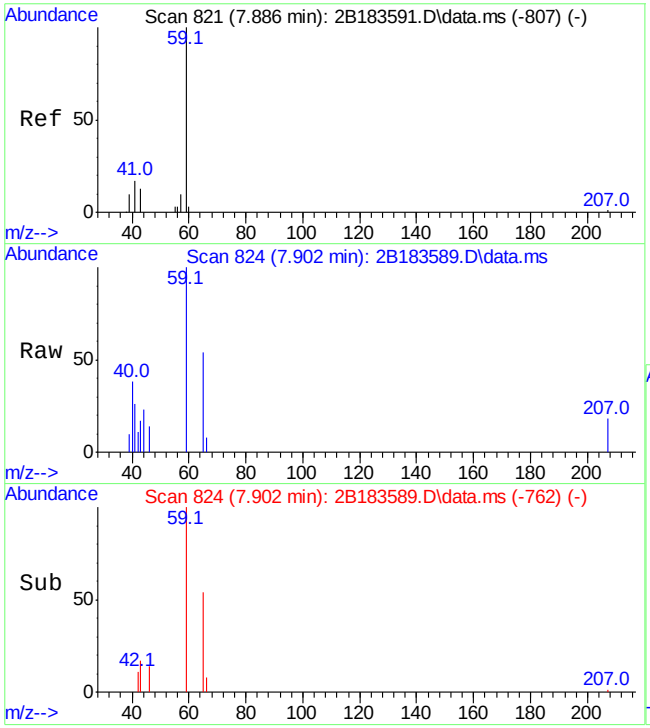
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183589.D
Acq On : 16 Jun 2021 8:22 pm
Operator : thienn
Sample : ic8337-8
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 17 18:49:57 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

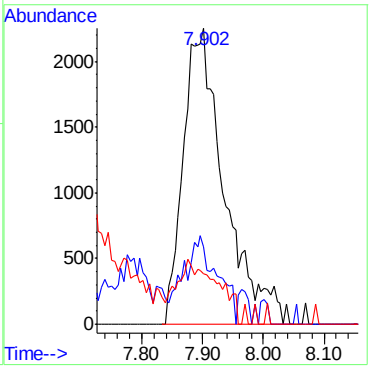


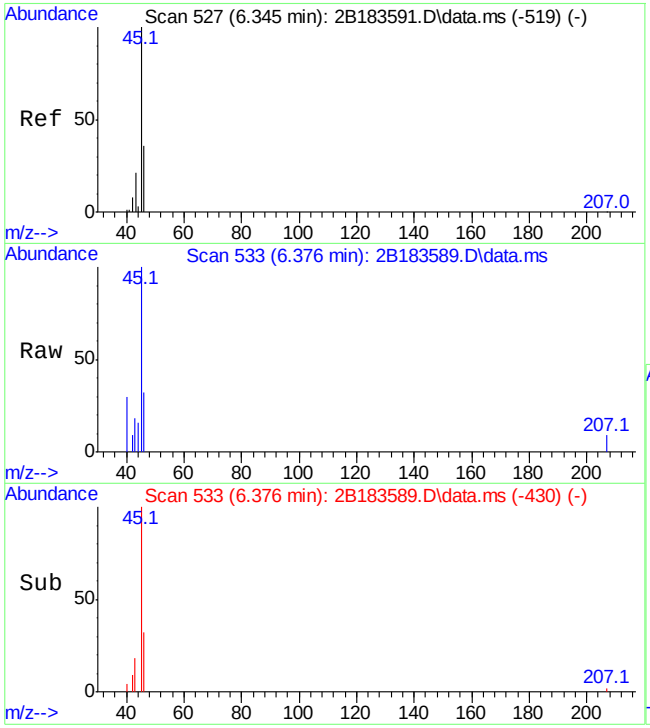


#2
tertiary butyl alcohol
Concen: 38.59 ug/L
RT: 7.902 min Scan# 824
Delta R.T. 0.026 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 59 Resp: 10577

Ion	Ratio	Lower	Upper
59	100		
41	26.2	0.0	52.7
43	16.9	0.0	46.6

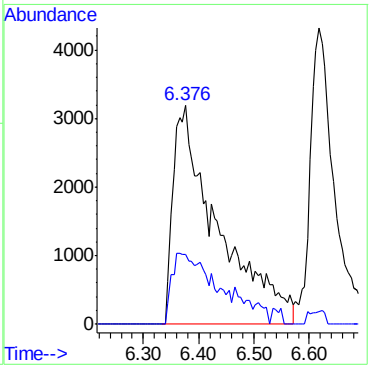


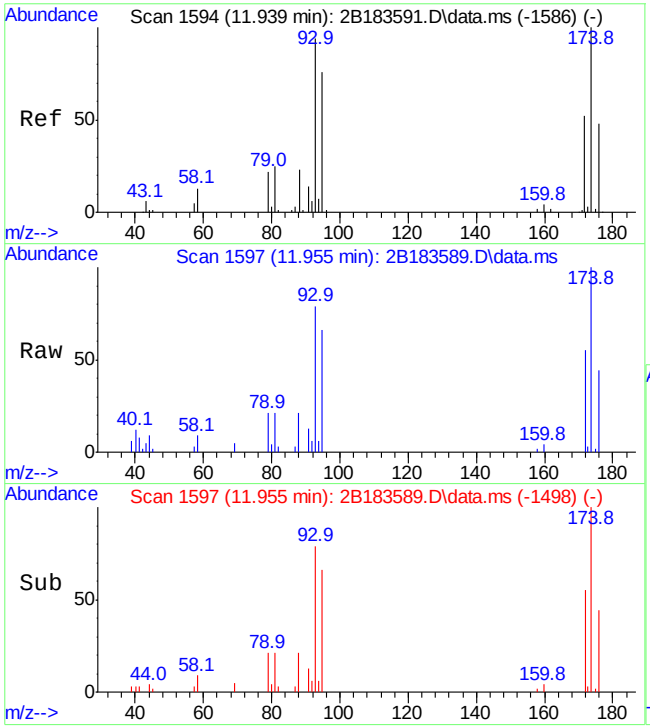


#3
ethanol
Concen: 761.91 ug/L
RT: 6.376 min Scan# 533
Delta R.T. 0.042 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 45 Resp: 17851

Ion	Ratio	Lower	Upper
45	100		
46	31.8	6.1	66.1

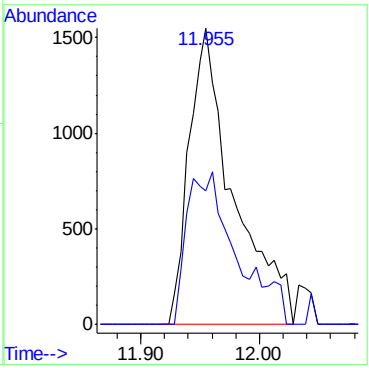


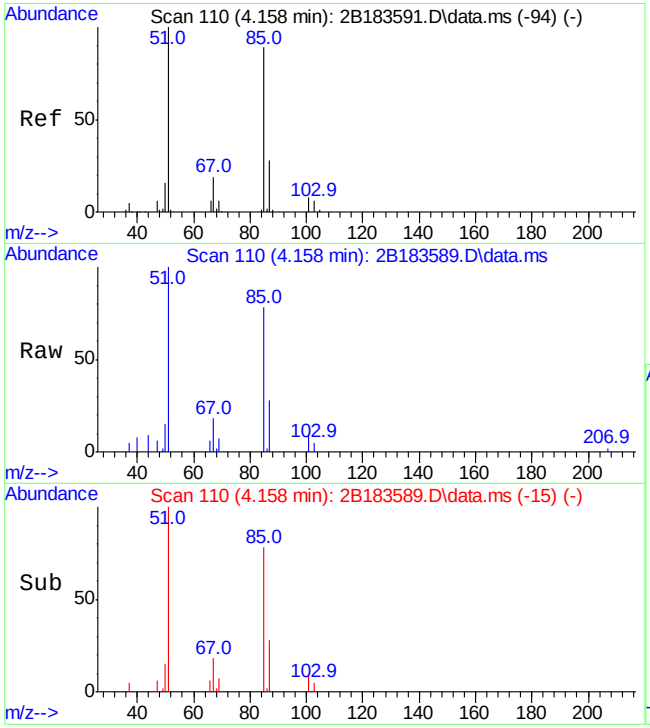


#4
1,4-dioxane
Concen: 177.56 ug/L
RT: 11.955 min Scan# 1597
Delta R.T. 0.021 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 88 Resp: 4023

Ion	Ratio	Lower	Upper
88	100		
58	45.3	25.6	85.6

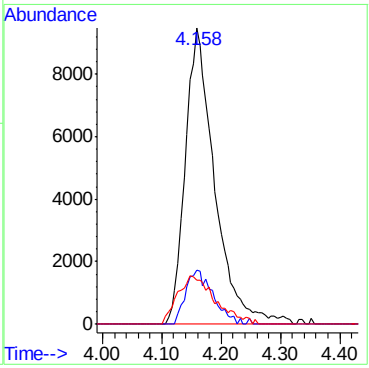


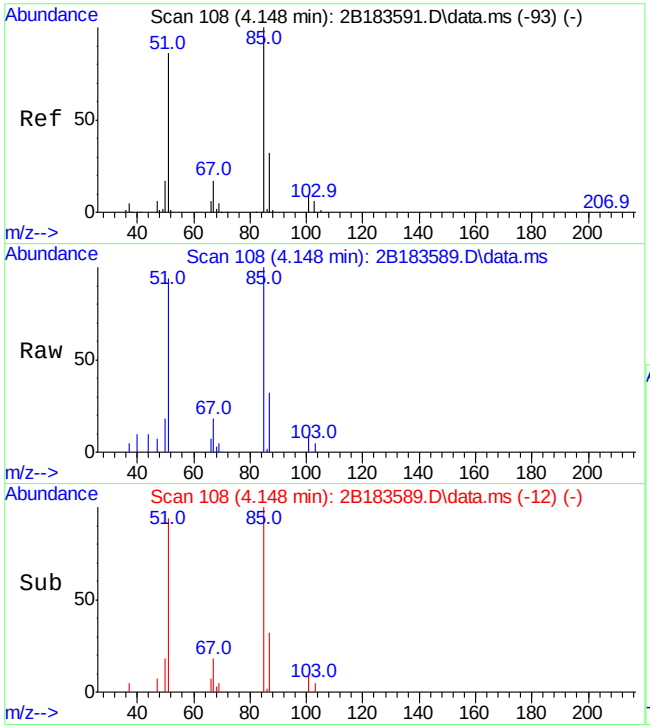


#6
chlorodifluoromethane
Concen: 7.42 ug/L
RT: 4.158 min Scan# 110
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 51 Resp: 32491

Ion	Ratio	Lower	Upper
51	100		
67	18.3	0.0	48.7
50	14.7	0.0	45.8

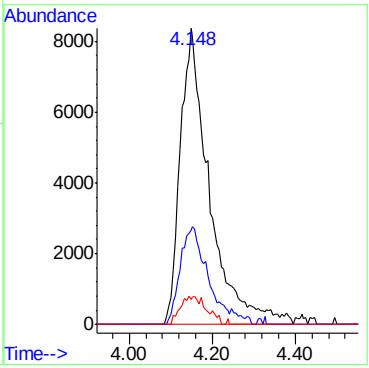


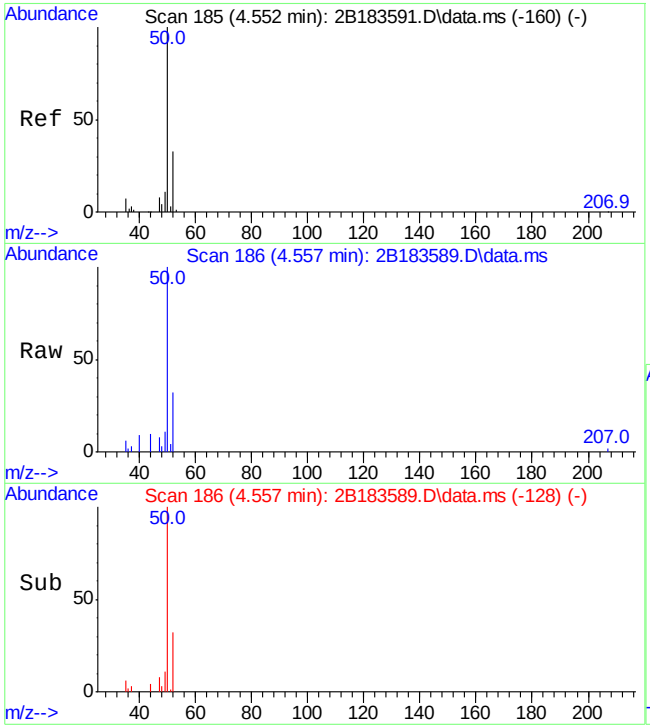


#7
dichlorodifluoromethane
Concen: 7.01 ug/L
RT: 4.148 min Scan# 108
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 85 Resp: 41129

Ion	Ratio	Lower	Upper
85	100		
87	32.0	1.9	61.9
101	8.6	0.0	39.2

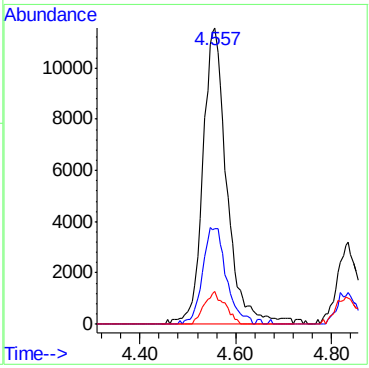


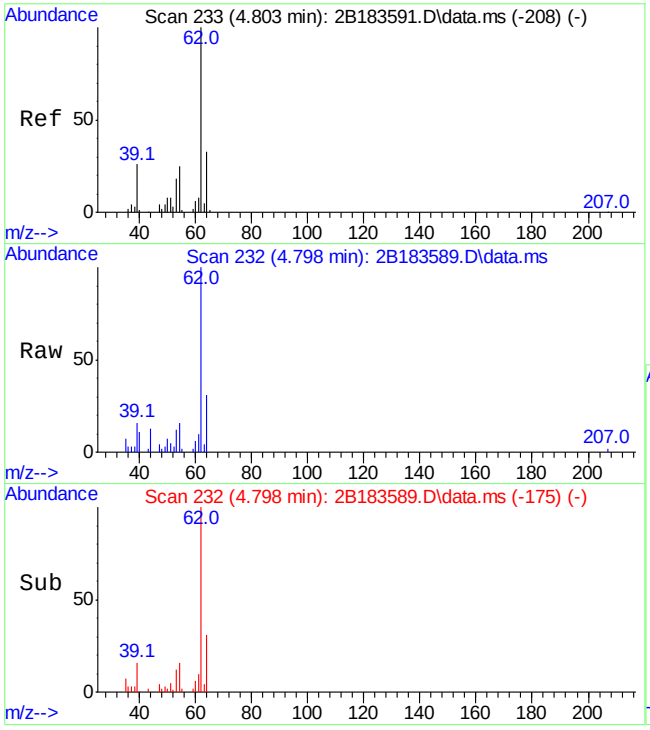


#8
chloromethane
Concen: 7.11 ug/L
RT: 4.557 min Scan# 186
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 50 Resp: 39991

Ion	Ratio	Lower	Upper
50	100		
52	32.3	2.9	62.9
49	11.1	0.0	41.3

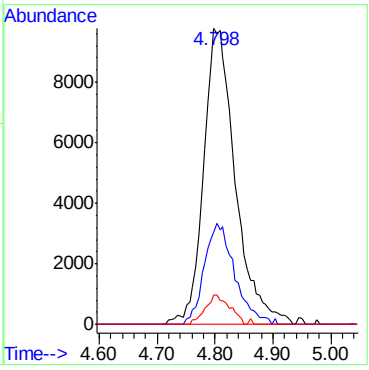


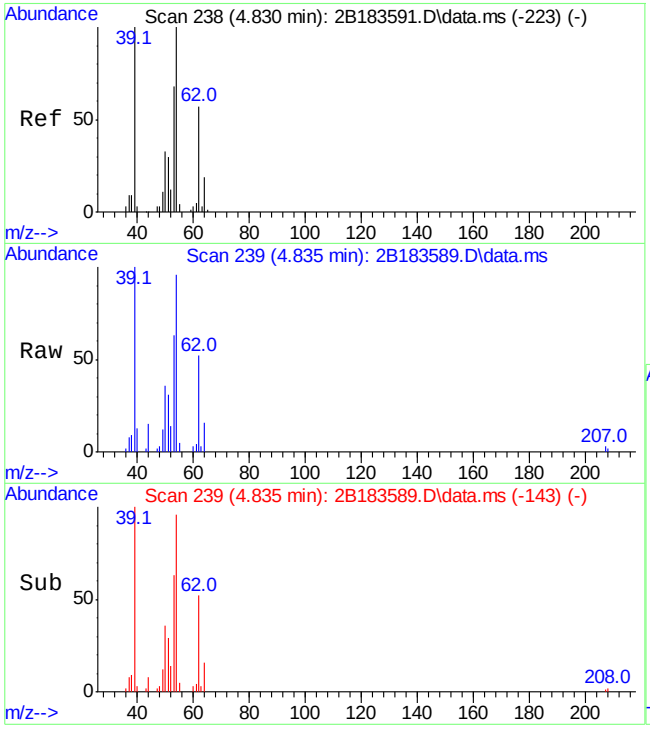


#9
vinyl chloride
Concen: 7.32 ug/L
RT: 4.798 min Scan# 232
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 62 Resp: 37381

Ion	Ratio	Lower	Upper
62	100		
64	31.1	3.0	63.0
61	9.9	0.0	38.4

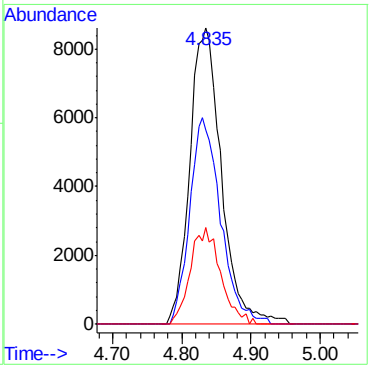


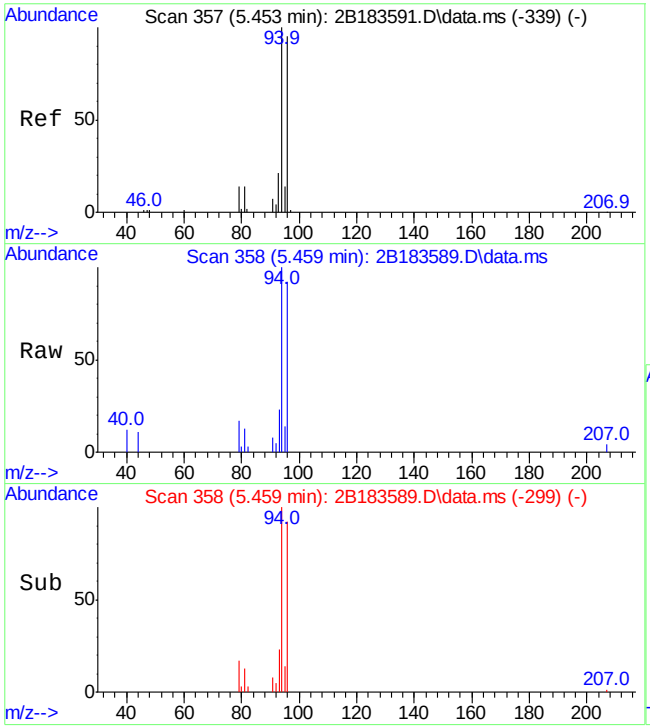


#10
1,3-butadiene
Concen: 7.71 ug/L
RT: 4.835 min Scan# 239
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 54 Resp: 27201

Ion	Ratio	Lower	Upper
54	100		
53	65.4	38.4	98.4
51	32.5	0.0	60.0

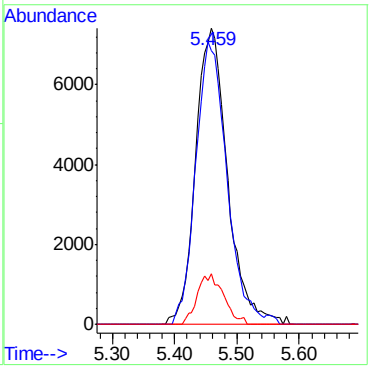


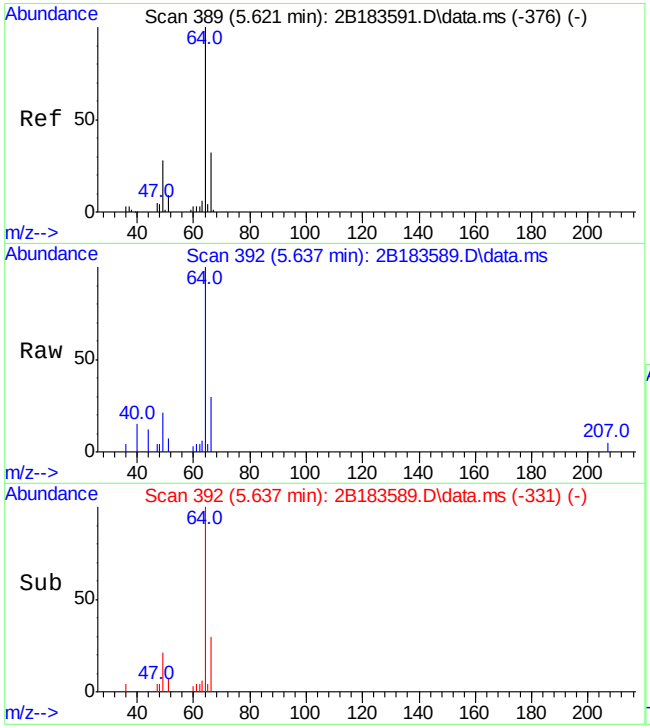


#11
bromomethane
Concen: 7.13 ug/L
RT: 5.459 min Scan# 358
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 94 Resp: 26253

Ion	Ratio	Lower	Upper
94	100		
96	92.3	65.2	125.2
79	17.2	0.0	44.4

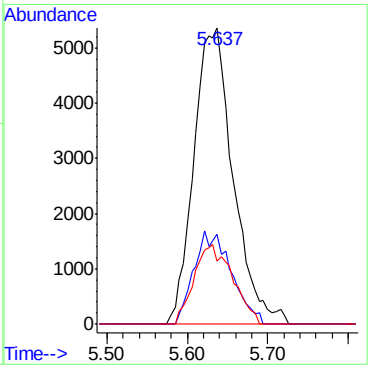


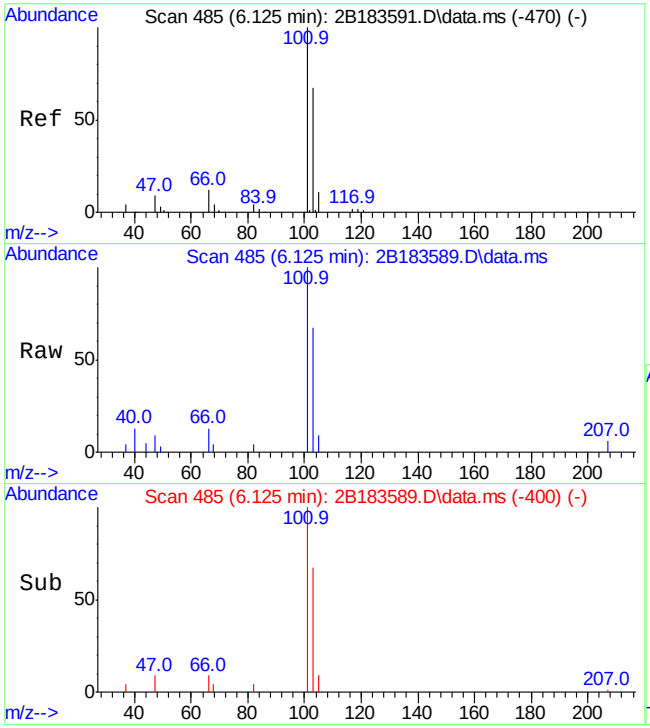


#12
chloroethane
Concen: 7.21 ug/L
RT: 5.637 min Scan# 392
Delta R.T. 0.021 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 64 Resp: 18229

Ion	Ratio	Lower	Upper
64	100		
66	30.2	1.7	61.7
49	21.1	0.0	57.6

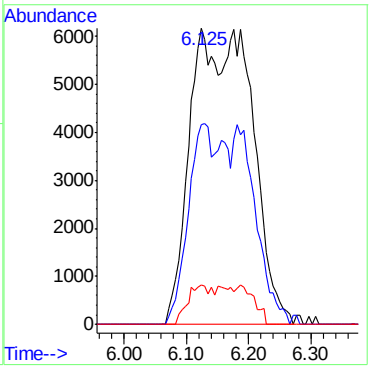


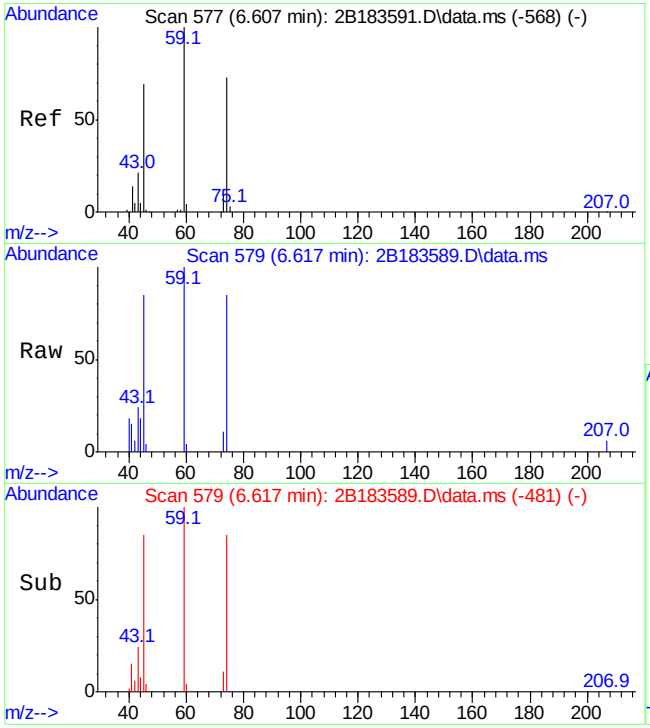


#13
trichlorofluoromethane
Concen: 6.93 ug/L
RT: 6.125 min Scan# 485
Delta R.T. -0.052 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:101 Resp: 42326

Ion	Ratio	Lower	Upper
101	100		
103	67.4	37.3	97.3
66	13.3	0.0	42.3

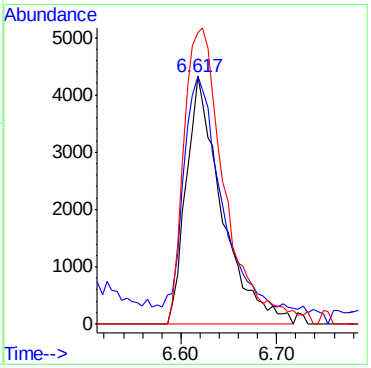


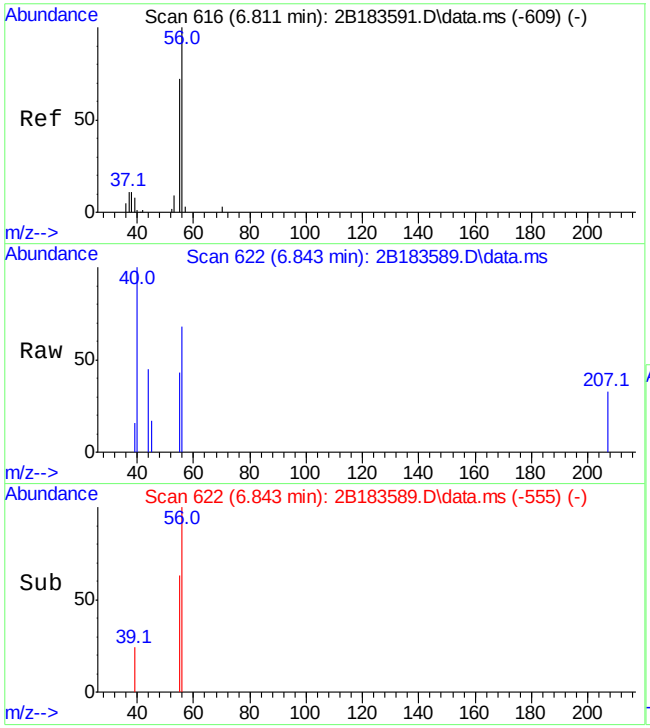


#14
ethyl ether
Concen: 7.37 ug/L
RT: 6.617 min Scan# 579
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 74 Resp: 11174

Ion	Ratio	Lower	Upper
74	100		
45	93.6	69.2	129.2
59	118.0	107.5	167.5

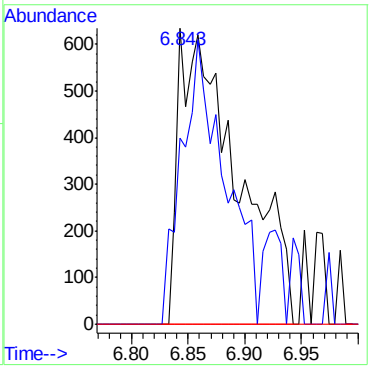


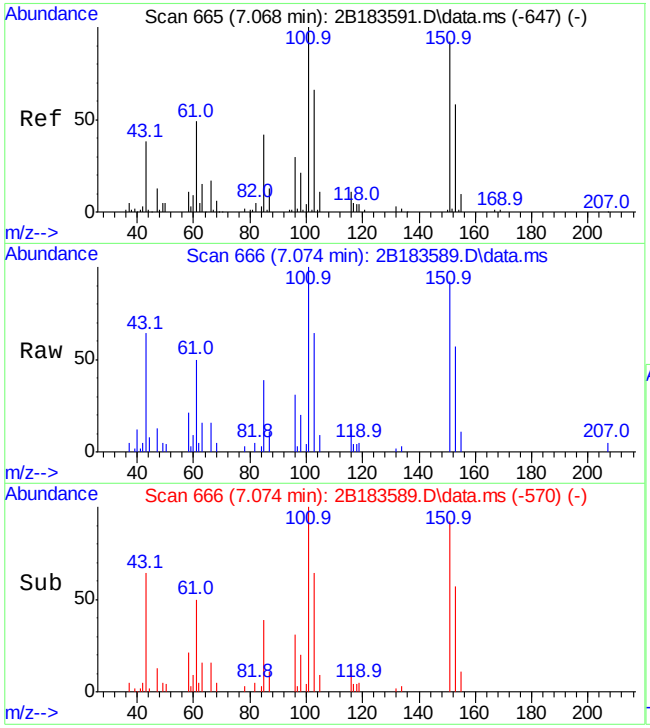


#15
acrolein
Concen: 7.17 ug/L
RT: 6.843 min Scan# 622
Delta R.T. 0.053 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 56 Resp: 2320

Ion	Ratio	Lower	Upper
56	100		
55	62.8	41.6	101.6
53	0.0	0.0	38.7

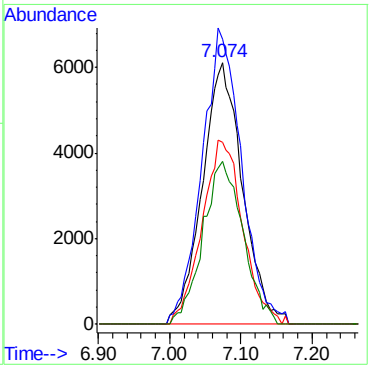


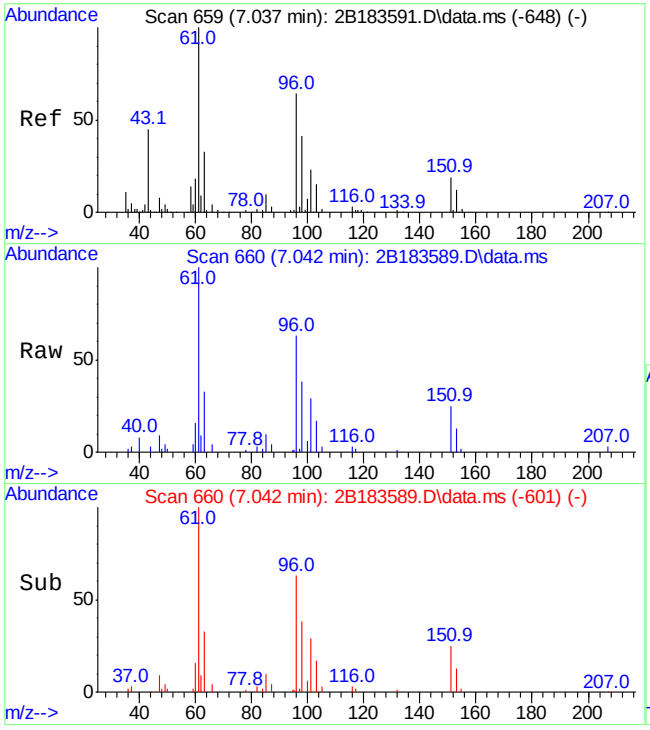


#16
freon 113
Concen: 7.78 ug/L
RT: 7.074 min Scan# 666
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:151 Resp: 24034

Ion	Ratio	Lower	Upper
151	100		
101	108.8	88.6	128.6
103	69.4	52.2	92.2
153	62.0	42.8	82.8

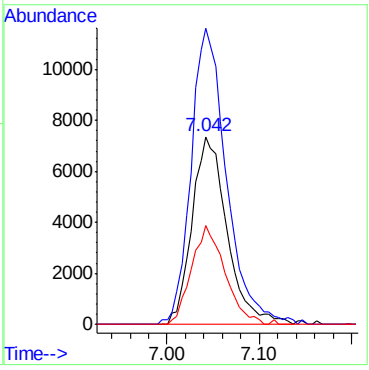


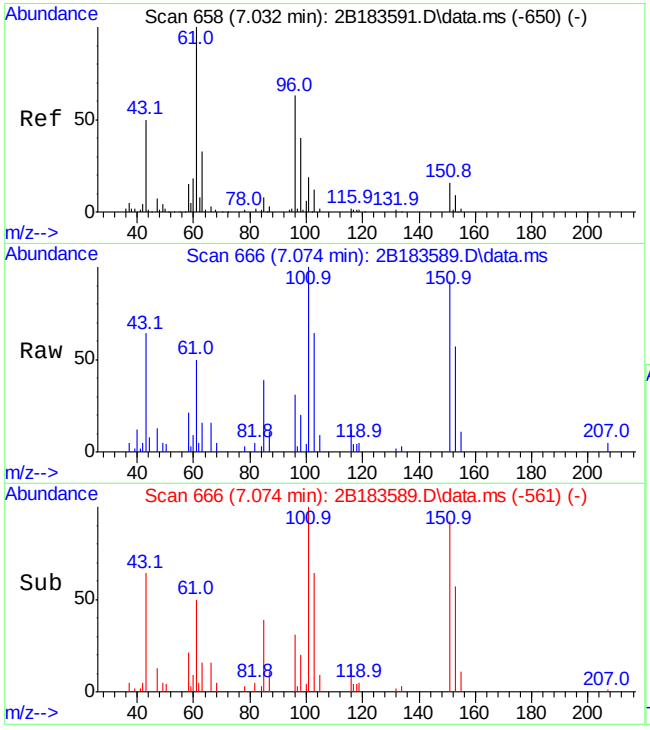


#17
1,1-dichloroethene
Concen: 7.32 ug/L
RT: 7.042 min Scan# 660
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 96 Resp: 19439

Ion	Ratio	Lower	Upper
96	100		
61	155.6	127.2	187.2
63	52.6	21.7	81.7

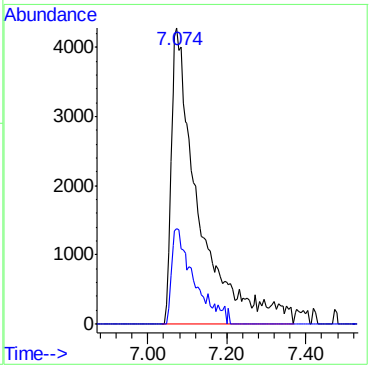


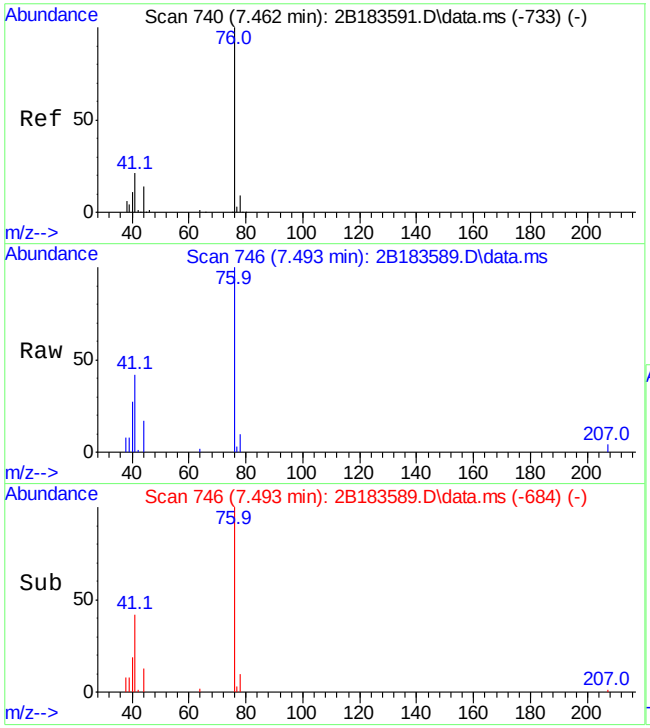


#18
acetone
Concen: 30.82 ug/L
RT: 7.074 min Scan# 666
Delta R.T. 0.053 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 43 Resp: 20726

Ion	Ratio	Lower	Upper
43	100		
58	32.3	0.0	59.5

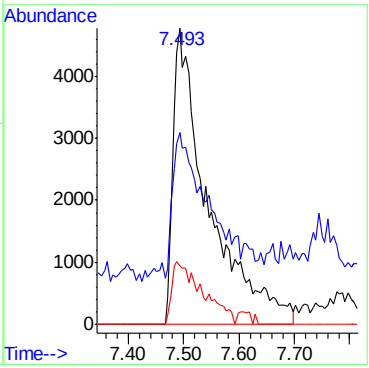


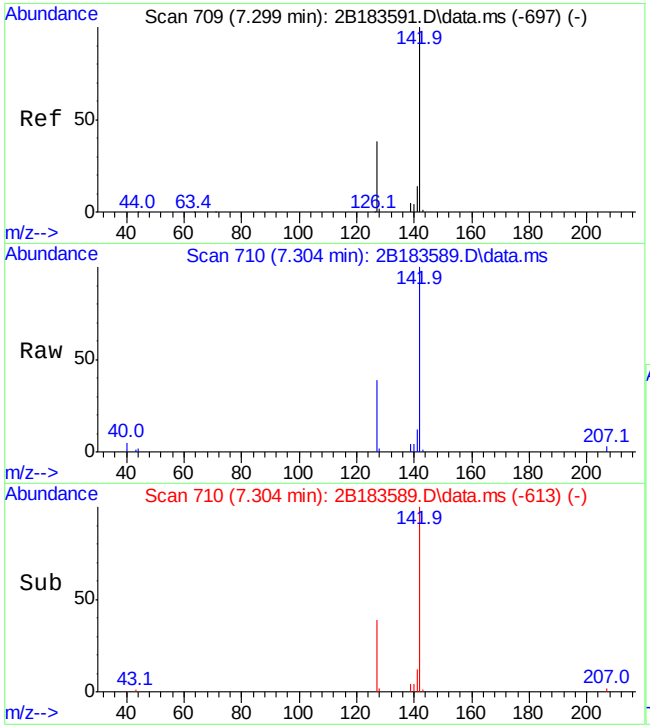


#19
acetonitrile
Concen: 74.02 ug/L
RT: 7.493 min Scan# 746
Delta R.T. 0.047 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 41 Resp: 20961

Ion	Ratio	Lower	Upper
41	100		
40	43.9	21.2	81.2
39	19.8	0.0	51.1

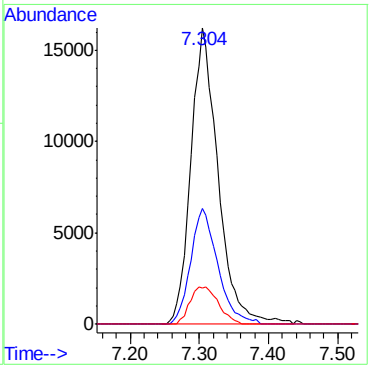


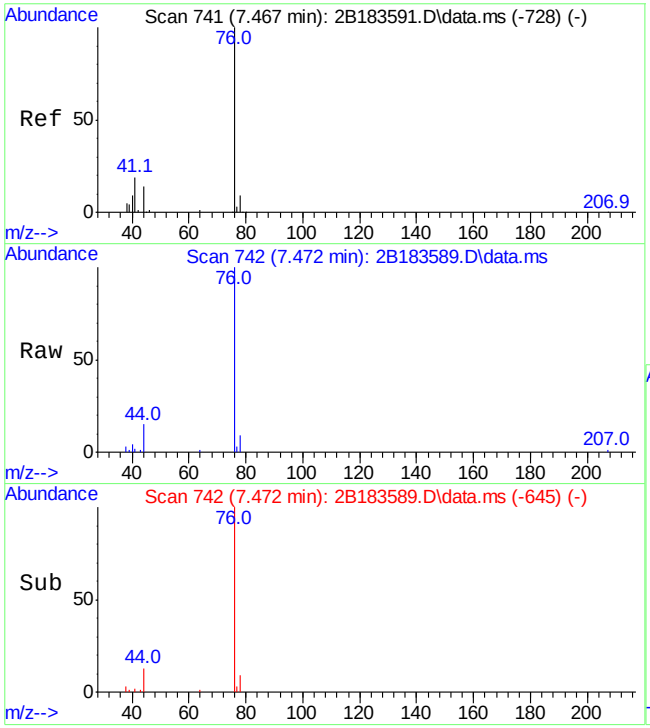


#20
iodomethane
Concen: 7.49 ug/L
RT: 7.304 min Scan# 710
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:142 Resp: 44265

Ion	Ratio	Lower	Upper
142	100		
127	38.9	8.2	68.2
141	12.3	0.0	43.6

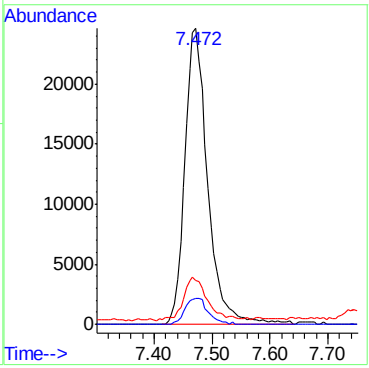


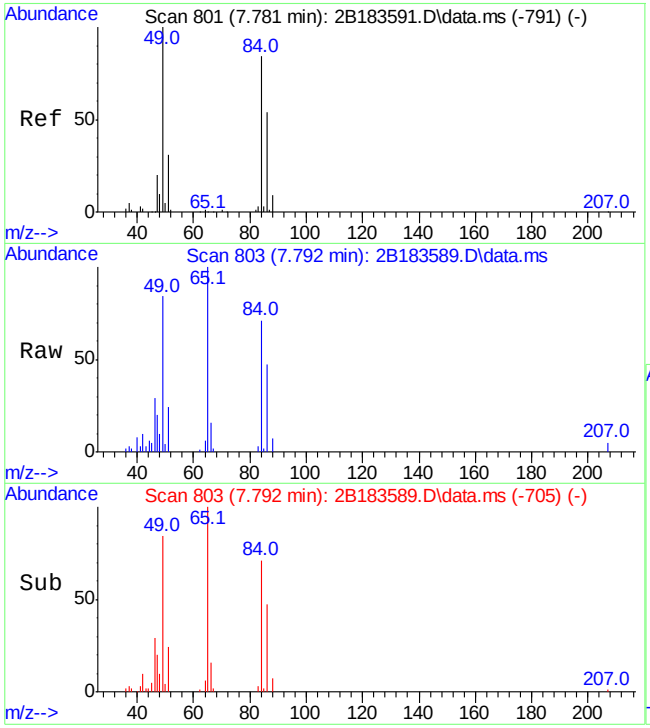


#21
carbon disulfide
Concen: 7.42 ug/L
RT: 7.472 min Scan# 742
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 76 Resp: 67308

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	39.2
44	13.4	0.0	44.1

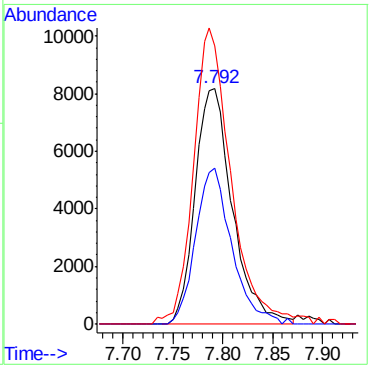


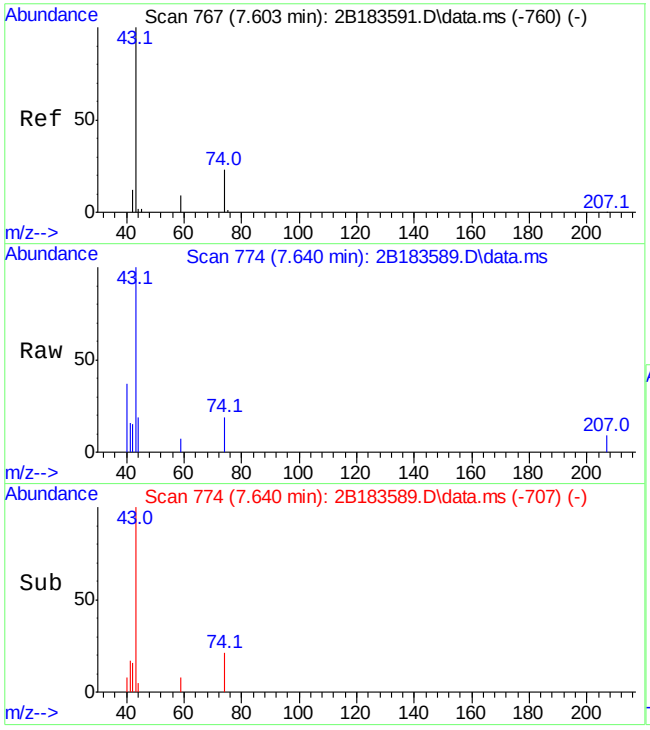


#22
methylene chloride
Concen: 7.48 ug/L
RT: 7.792 min Scan# 803
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 84 Resp: 21321

Ion	Ratio	Lower	Upper
84	100		
86	66.0	34.1	94.1
49	115.5	88.6	148.6

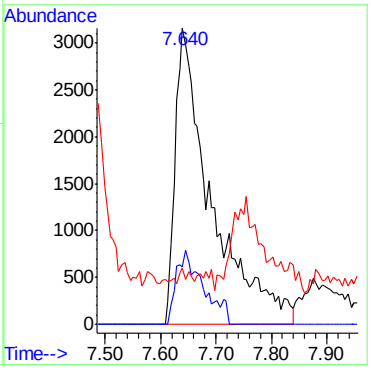


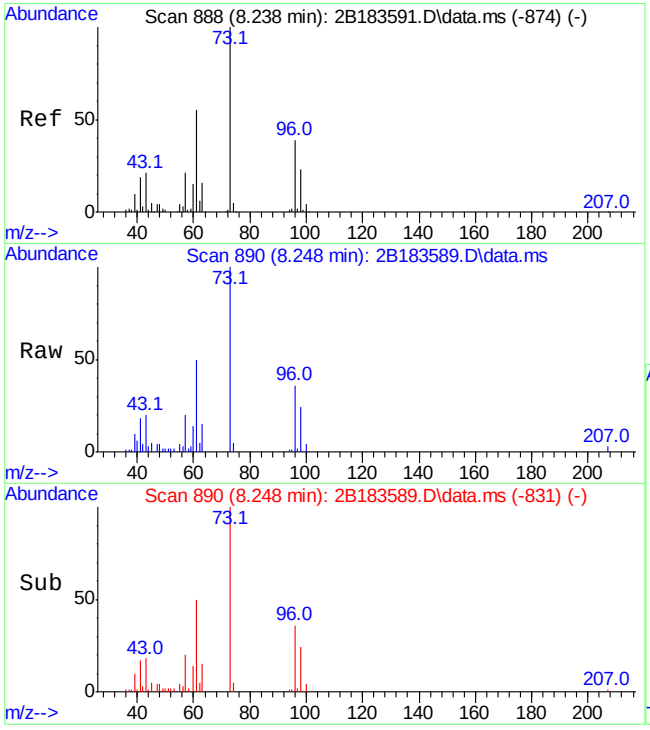


#23
methyl acetate
Concen: 8.24 ug/L
RT: 7.640 min Scan# 774
Delta R.T. 0.053 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 43 Resp: 14264

Ion	Ratio	Lower	Upper
43	100		
74	19.3	0.0	53.3
44	4.0	0.0	32.4

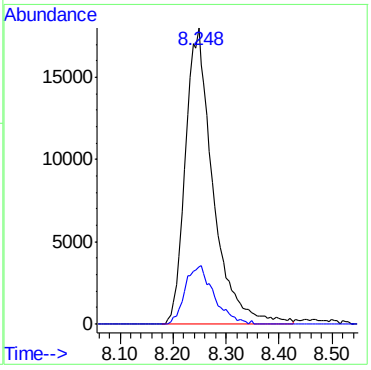


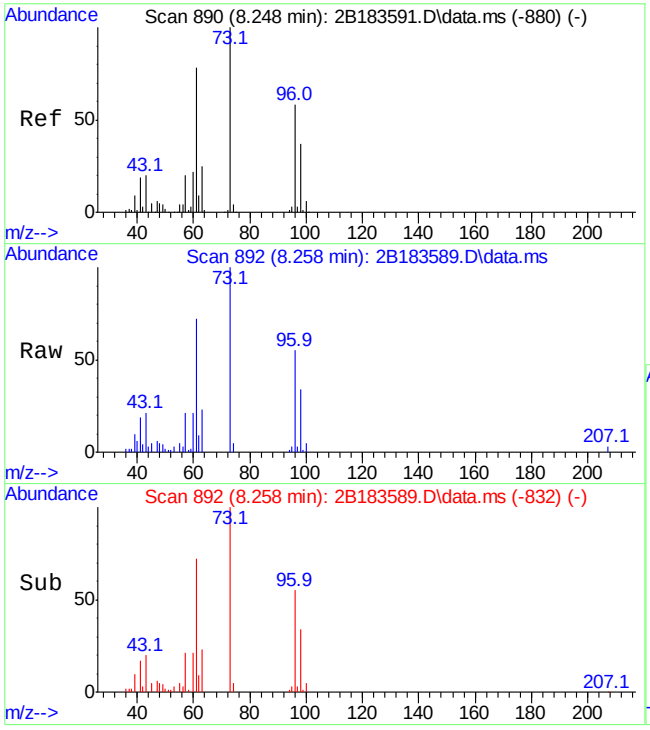


#24
methyl tert butyl ether
Concen: 7.68 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 73 Resp: 65589

Ion	Ratio	Lower	Upper
73	100		
57	19.5	0.0	220.5

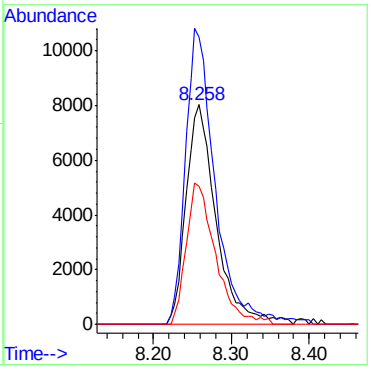


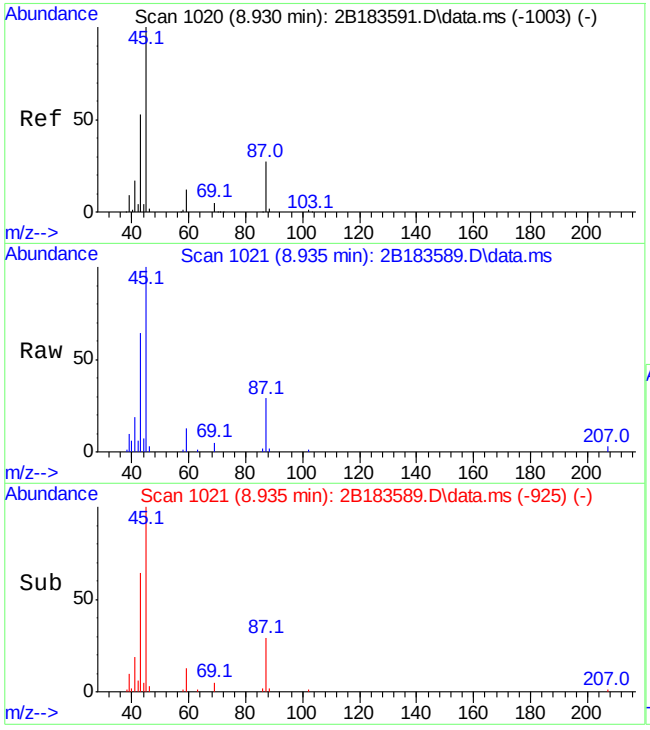


#25
trans-1,2-dichloroethene
Concen: 7.48 ug/L
RT: 8.258 min Scan# 892
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 96 Resp: 21537

Ion	Ratio	Lower	Upper
96	100		
61	130.9	103.8	163.8
98	62.9	34.0	94.0

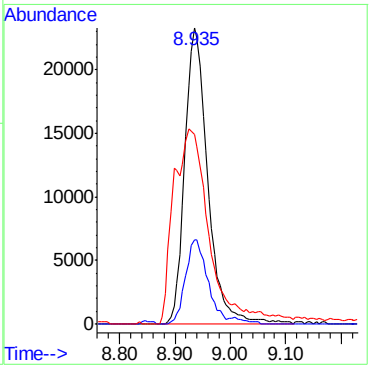


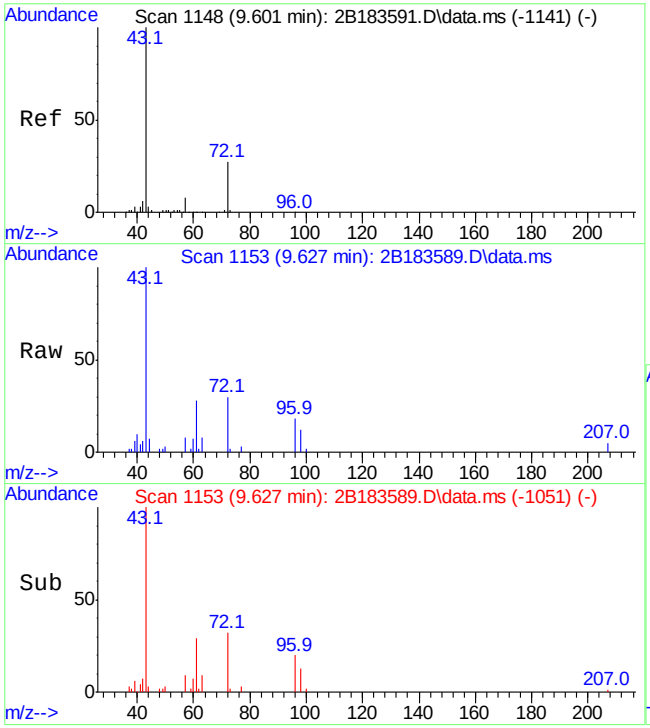


#26
di-isopropyl ether
Concen: 7.75 ug/L
RT: 8.935 min Scan# 1021
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 45 Resp: 67346

Ion	Ratio	Lower	Upper
45	100		
87	28.5	0.0	58.2
43	62.5	23.5	83.5

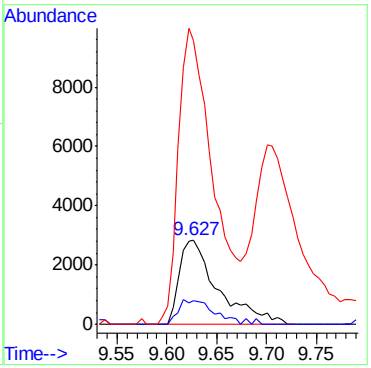


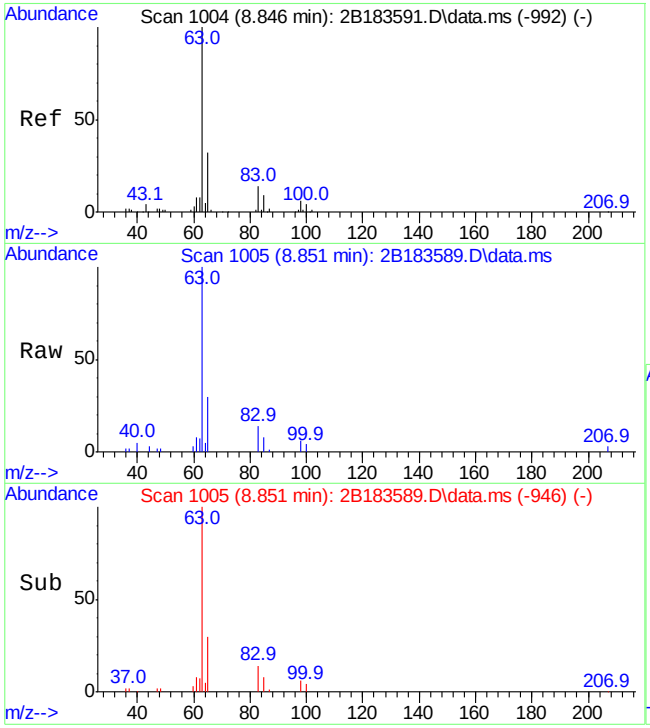


#27
2-butanone
Concen: 29.65 ug/L
RT: 9.627 min Scan# 1153
Delta R.T. 0.037 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 72 Resp: 7636

Ion	Ratio	Lower	Upper
72	100		
57	27.4	0.0	59.8
43	327.0	334.2	394.2#

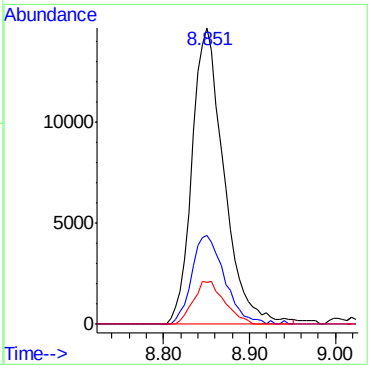


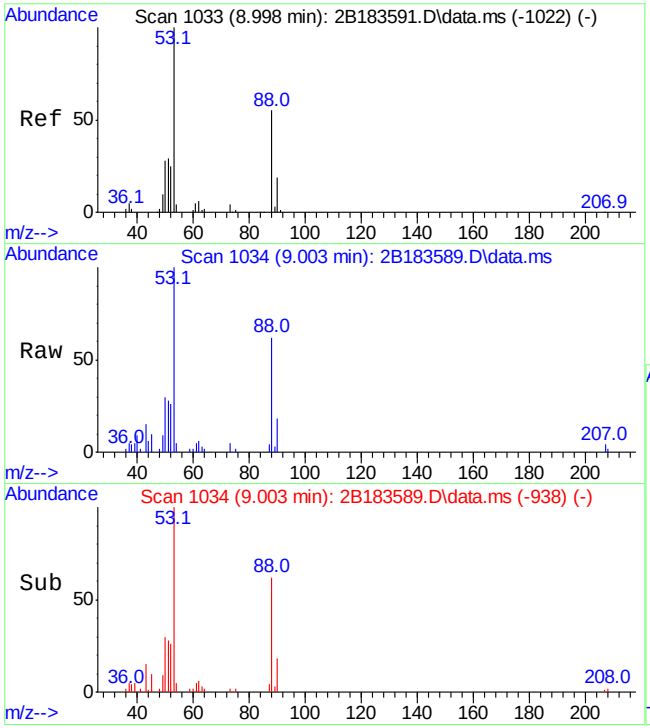


#28
1,1-dichloroethane
Concen: 7.72 ug/L
RT: 8.851 min Scan# 1005
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 63 Resp: 37294

Ion	Ratio	Lower	Upper
63	100		
65	30.1	2.1	62.1
83	14.0	0.0	44.4

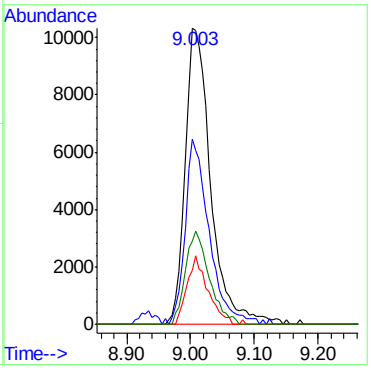


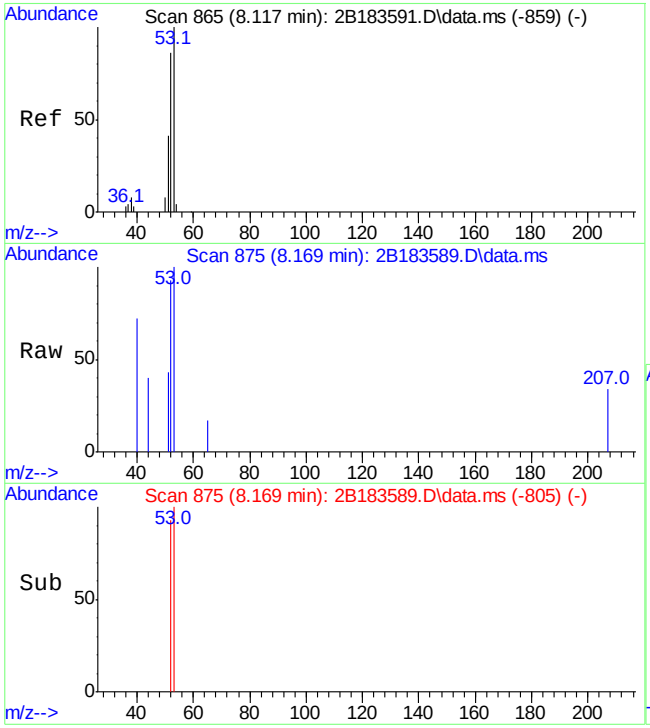


#29
chloroprene
Concen: 7.69 ug/L
RT: 9.003 min Scan# 1034
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 53 Resp: 28686

Ion	Ratio	Lower	Upper
53	100		
88	62.3	27.6	87.6
90	18.4	0.0	48.9
51	28.2	0.0	59.1

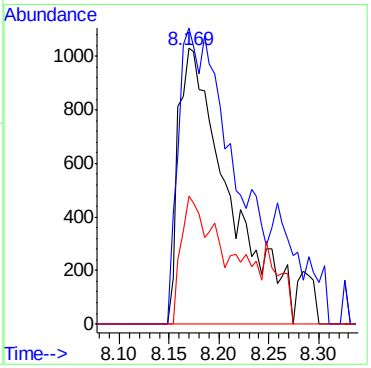


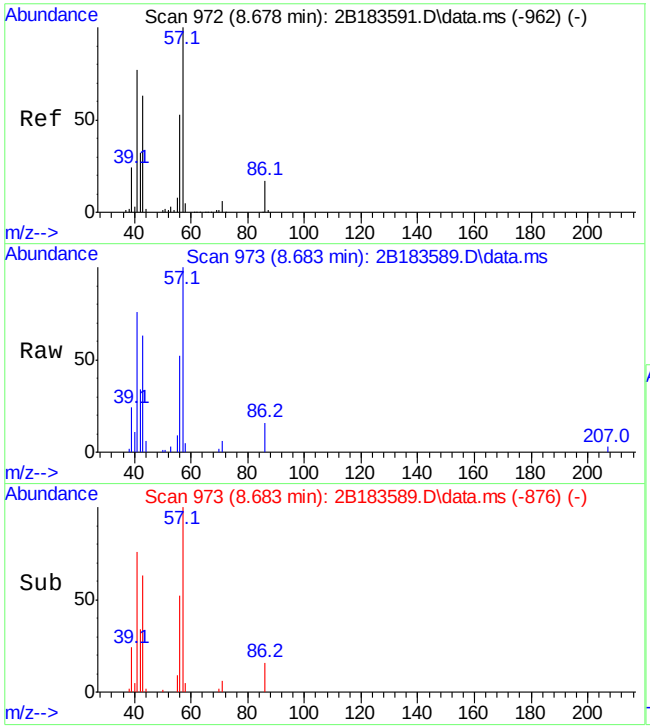


#30
acrylonitrile
Concen: 5.66 ug/L
RT: 8.169 min Scan# 875
Delta R.T. 0.068 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 52 Resp: 3641

Ion	Ratio	Lower	Upper
52	100		
53	107.4	86.6	146.6
51	46.2	17.8	77.8

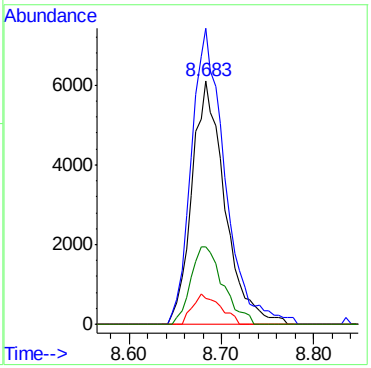


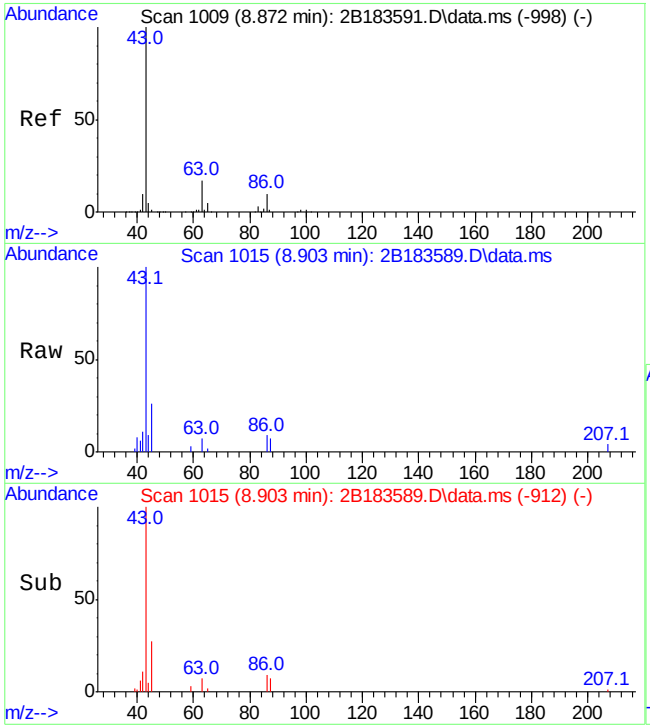


#31
hexane
Concen: 7.12 ug/L
RT: 8.683 min Scan# 973
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 56 Resp: 15161

Ion	Ratio	Lower	Upper
56	100		
43	121.8	99.4	139.4
71	10.8	0.0	31.0
86	31.7	12.3	52.3

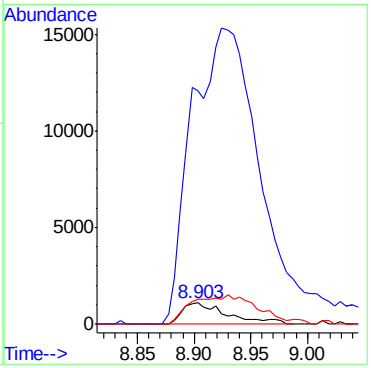


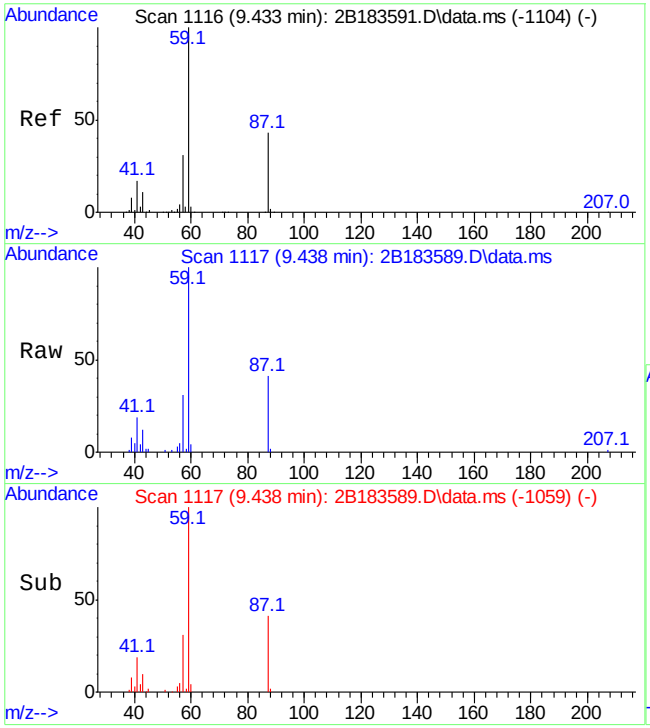


#32
vinyl acetate
Concen: 5.76 ug/L
RT: 8.903 min Scan# 1015
Delta R.T. 0.042 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 86 Resp: 3016

Ion	Ratio	Lower	Upper
86	100		
43	1098.5	981.3	1041.3#
42	116.5	66.4	126.4

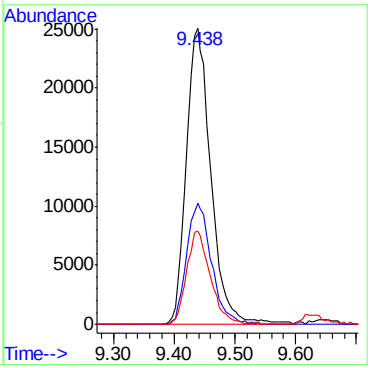


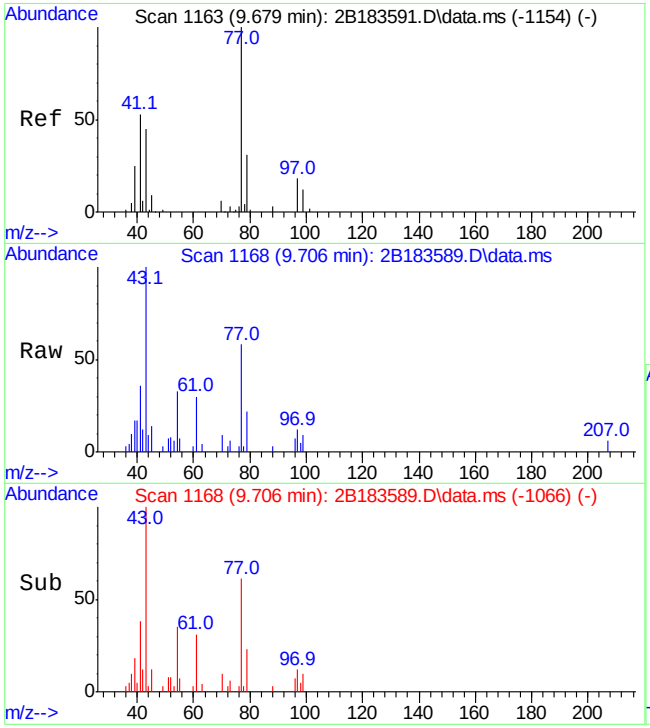


#33
ethyl tert-butyl ether
Concen: 7.39 ug/L
RT: 9.438 min Scan# 1117
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 59 Resp: 70179

Ion	Ratio	Lower	Upper
59	100		
87	40.8	12.7	72.7
57	31.4	0.9	60.9

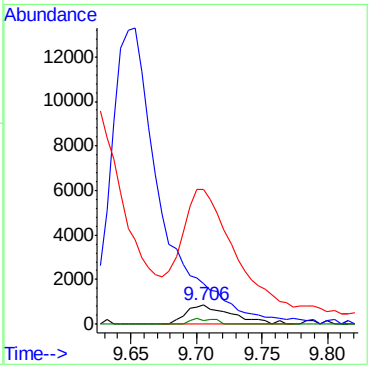


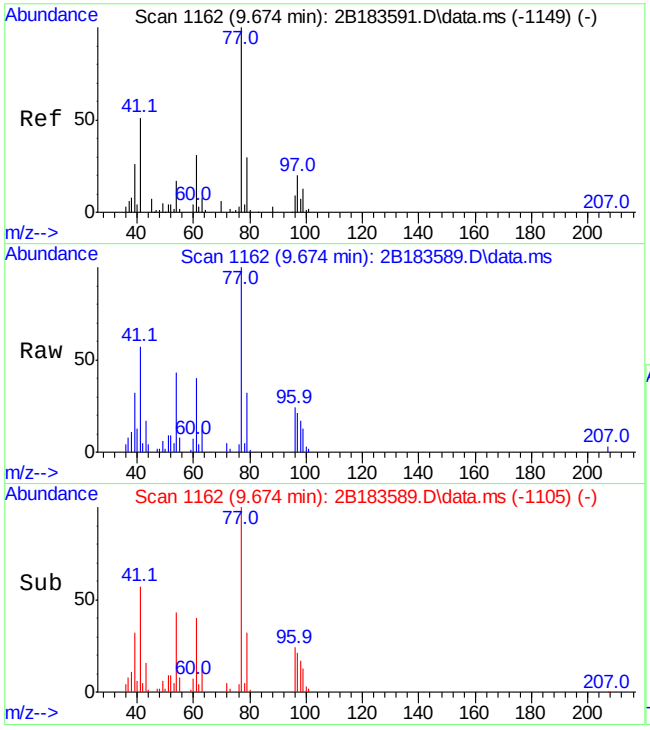


#34
ethyl acetate
Concen: 6.41 ug/L
RT: 9.706 min Scan# 1168
Delta R.T. 0.037 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 45 Resp: 2077

Ion	Ratio	Lower	Upper
45	100		
61	180.3	302.1	362.1#
43	622.6	653.2	713.2#
88	21.1	1.5	61.5

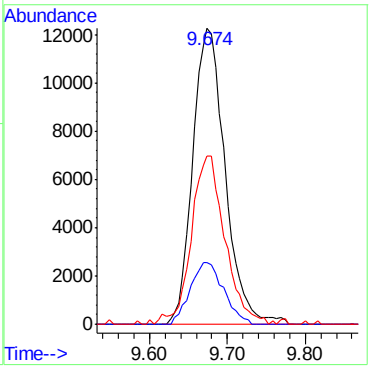


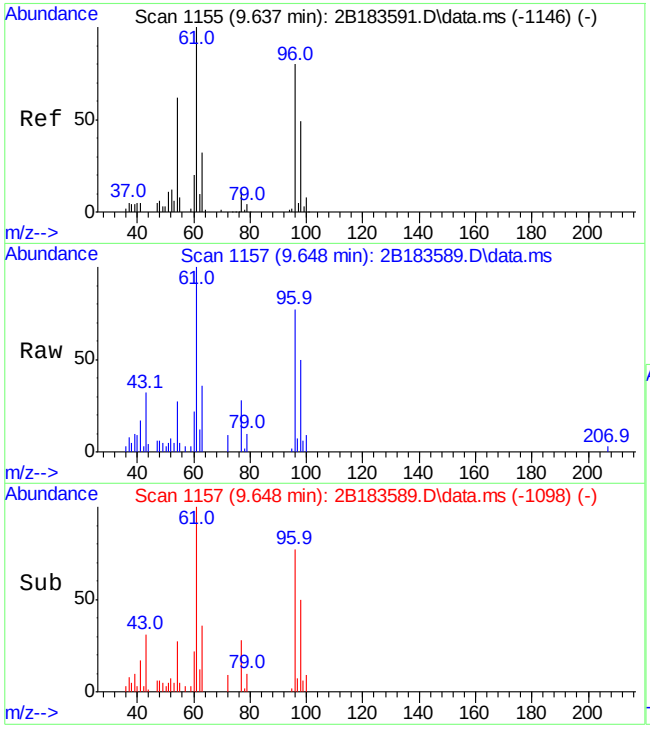


#35
2,2-dichloropropane
Concen: 7.74 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 77 Resp: 35278

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	50.3
41	56.8	20.8	80.8

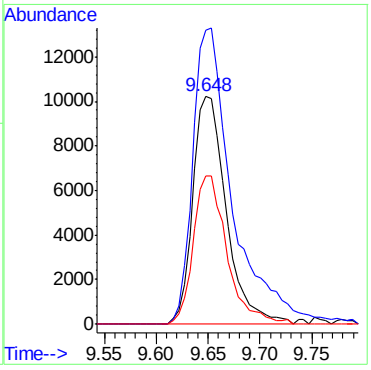


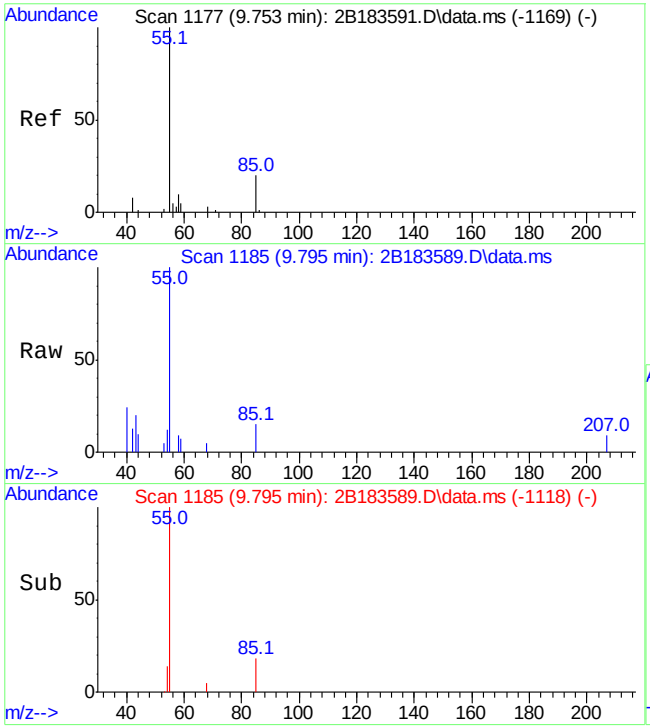


#36
cis-1,2-dichloroethene
Concen: 7.50 ug/L
RT: 9.648 min Scan# 1157
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 96 Resp: 22869

Ion	Ratio	Lower	Upper
96	100		
61	129.2	95.1	155.1
98	65.2	31.7	91.7

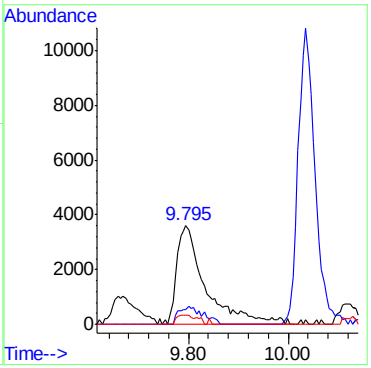


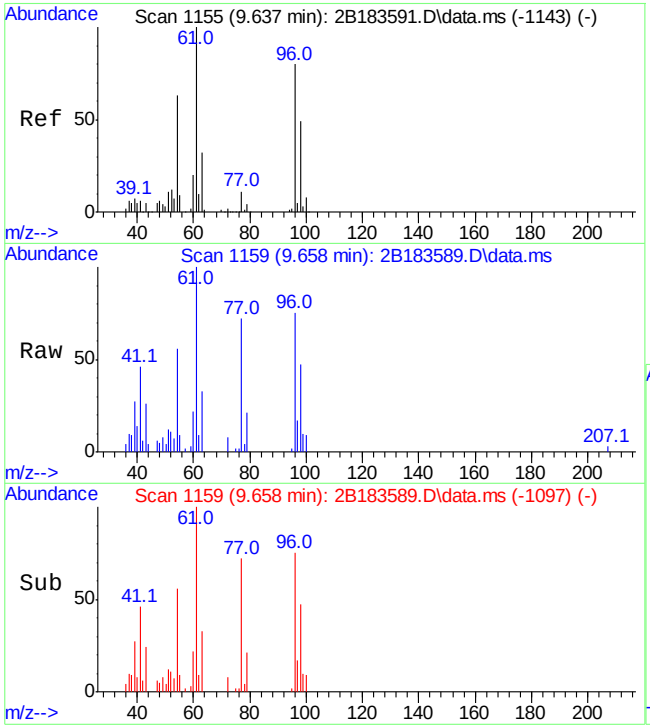


#37
methyl acrylate
Concen: 7.13 ug/L
RT: 9.795 min Scan# 1185
Delta R.T. 0.053 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 55 Resp: 14453

Ion	Ratio	Lower	Upper
55	100		
85	15.3	0.0	50.1
58	8.6	0.0	39.8

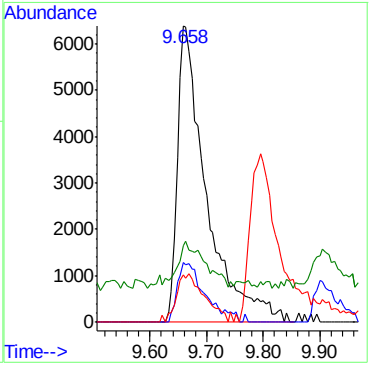


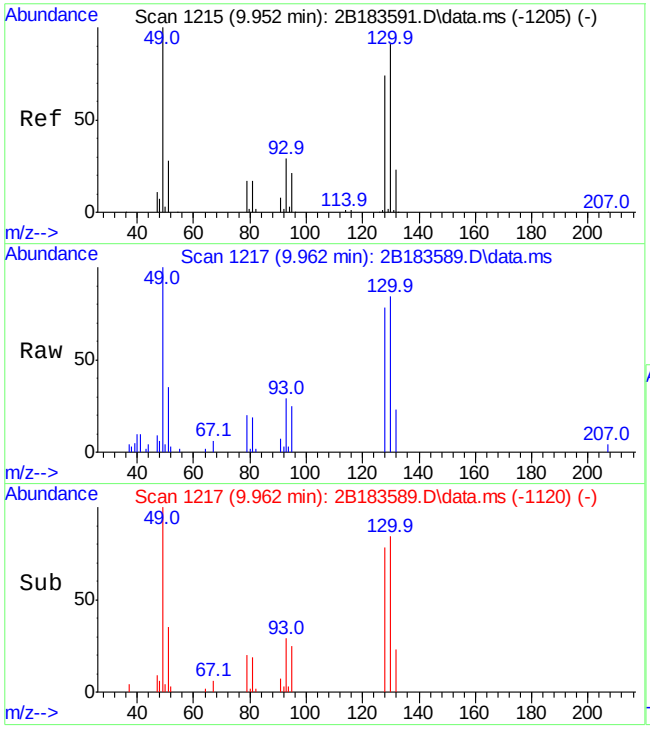


#38
propionitrile
Concen: 74.01 ug/L
RT: 9.658 min Scan# 1159
Delta R.T. 0.026 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 54 Resp: 22822

Ion	Ratio	Lower	Upper
54	100		
52	20.1	0.0	49.6
55	13.4	0.0	44.7
40	14.3	0.0	37.8

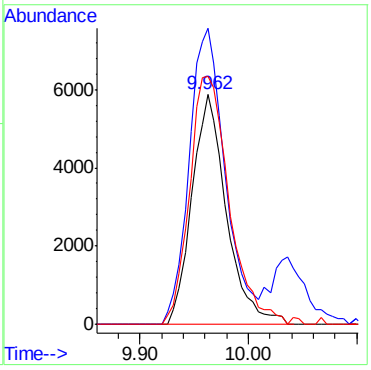


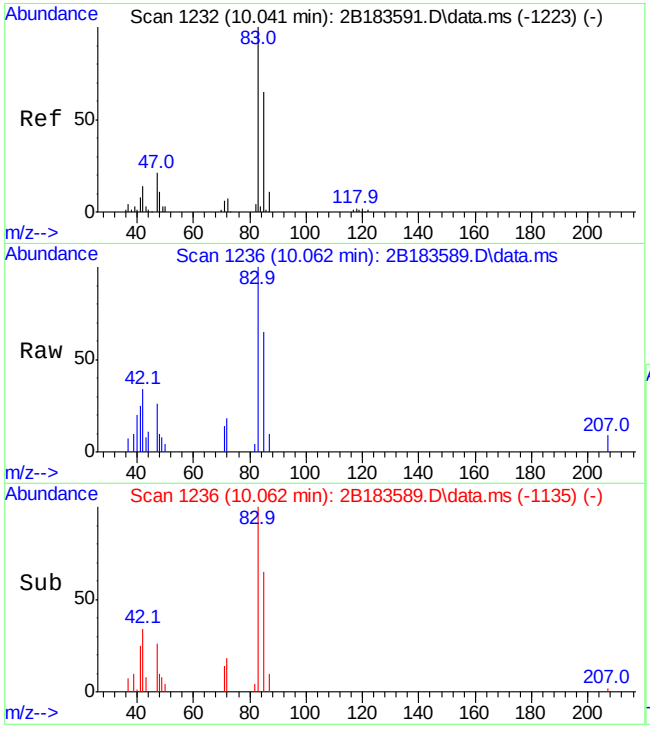


#39
bromochloromethane
Concen: 7.54 ug/L
RT: 9.962 min Scan# 1217
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:128 Resp: 13080

Ion	Ratio	Lower	Upper
128	100		
49	128.6	105.9	165.9
130	107.5	93.4	153.4

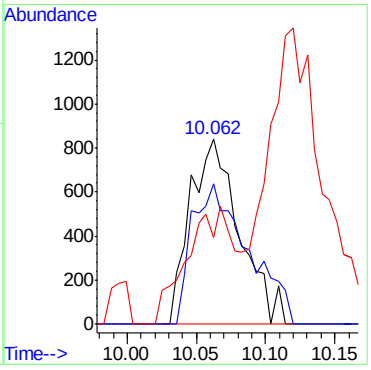


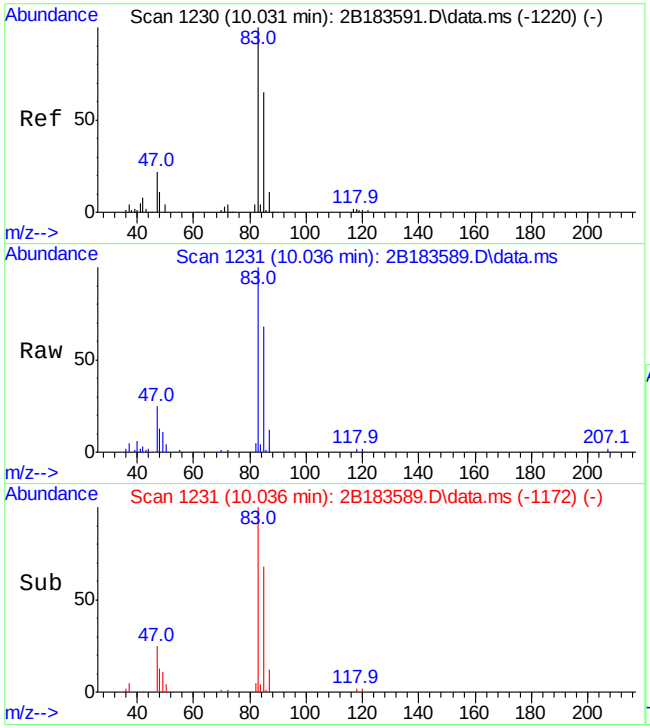


#40
tetrahydrofuran
Concen: 6.91 ug/L
RT: 10.062 min Scan# 1236
Delta R.T. 0.027 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 72 Resp: 2077

Ion	Ratio	Lower	Upper
72	100		
71	75.8	58.8	118.8
43	28.4	15.1	75.1

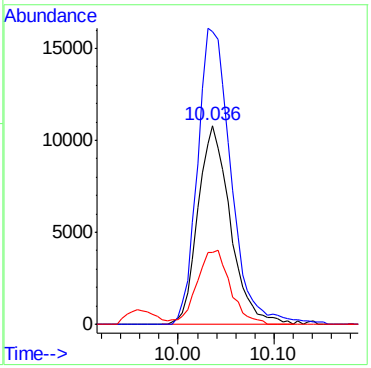


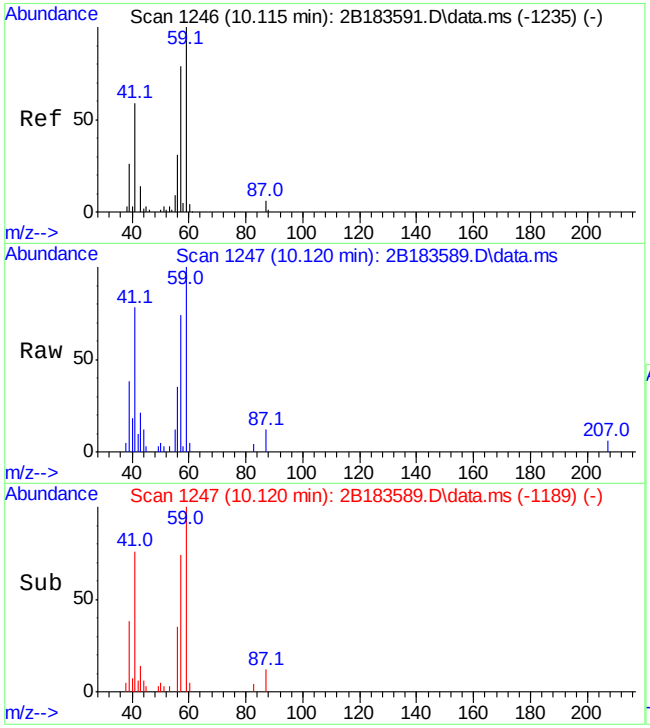


#41
chloroform
Concen: 7.20 ug/L
RT: 10.036 min Scan# 1231
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 85 Resp: 25345

Ion	Ratio	Lower	Upper
85	100		
83	147.2	123.5	183.5
47	36.3	6.5	66.5

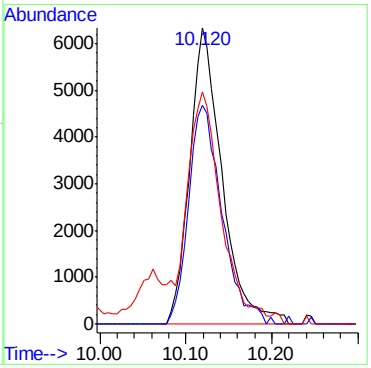


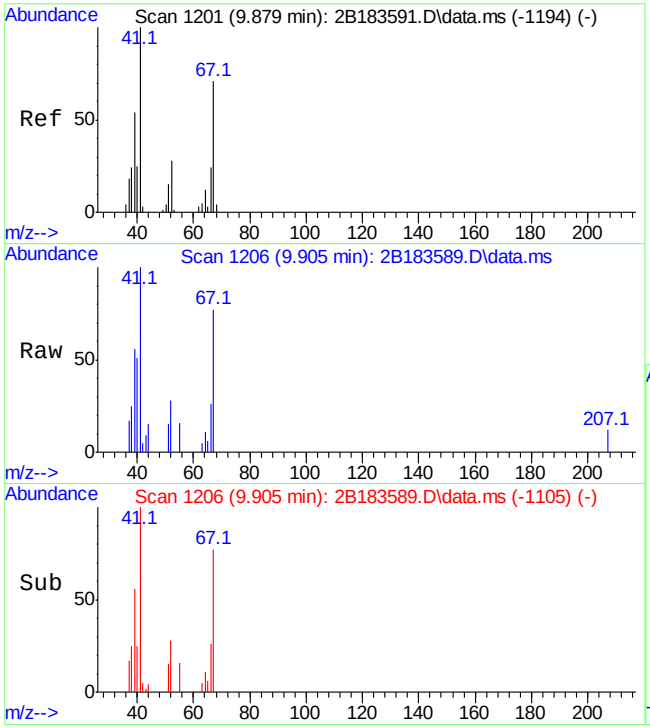


#42
t-butyl formate
Concen: 6.89 ug/L
RT: 10.120 min Scan# 1247
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 59 Resp: 16306

Ion	Ratio	Lower	Upper
59	100		
57	73.9	48.9	108.9
41	78.4	39.1	99.1

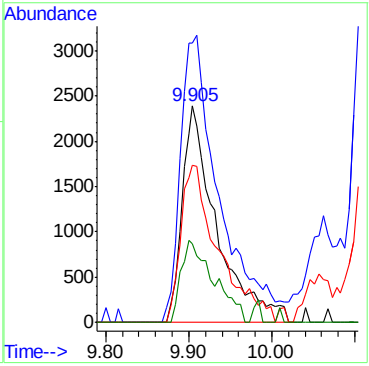


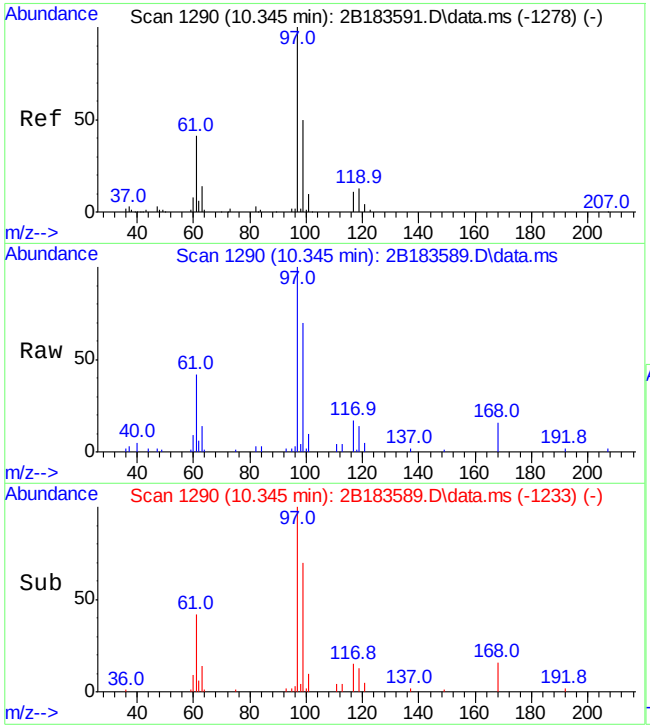


#44
methacrylonitrile
Concen: 6.94 ug/L
RT: 9.905 min Scan# 1206
Delta R.T. 0.032 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 67 Resp: 6894

Ion	Ratio	Lower	Upper
67	100		
41	129.3	110.7	170.7
39	72.9	46.4	106.4
52	36.2	9.9	69.9

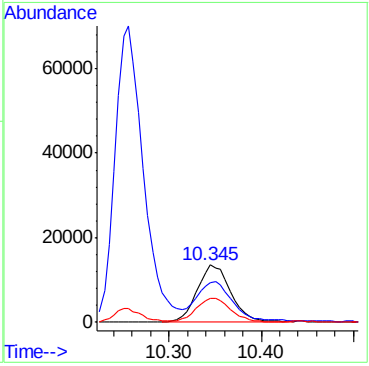


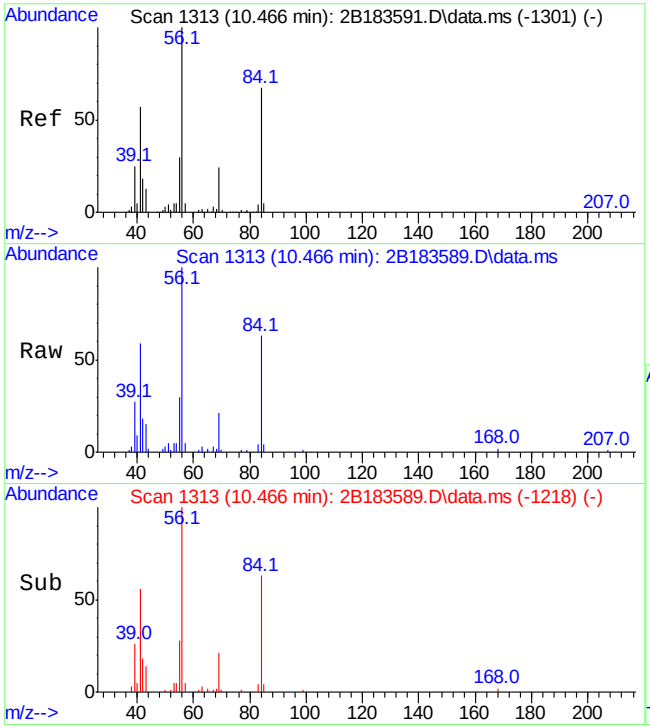


#45
1,1,1-trichloroethane
Concen: 7.20 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 97 Resp: 34108

Ion	Ratio	Lower	Upper
97	100		
99	66.5	36.0	96.0
61	40.3	12.1	72.1

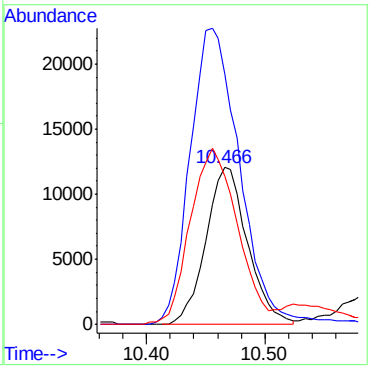


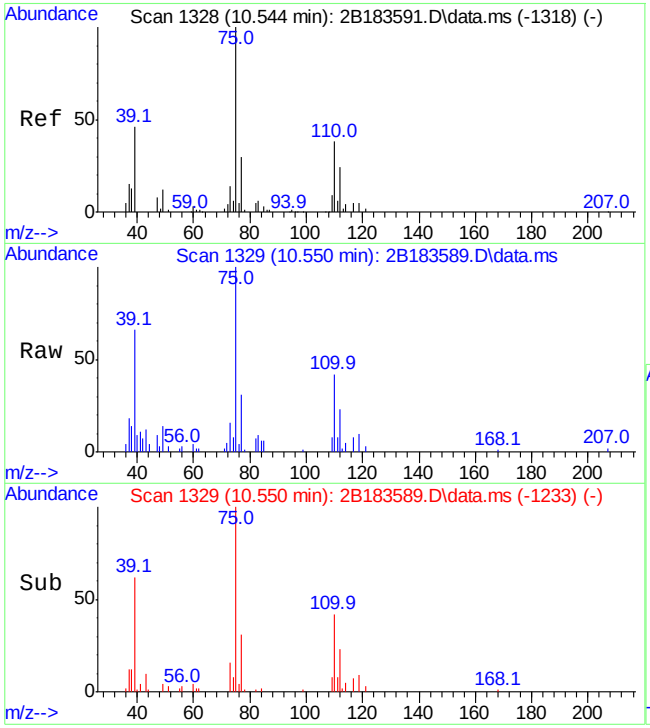


#46
cyclohexane
Concen: 7.01 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 84 Resp: 29457

Ion	Ratio	Lower	Upper
84	100		
56	155.2	130.0	170.0
41	91.1	65.8	105.8

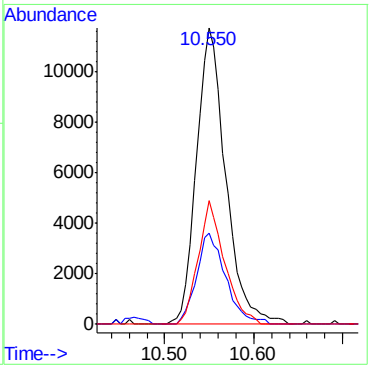


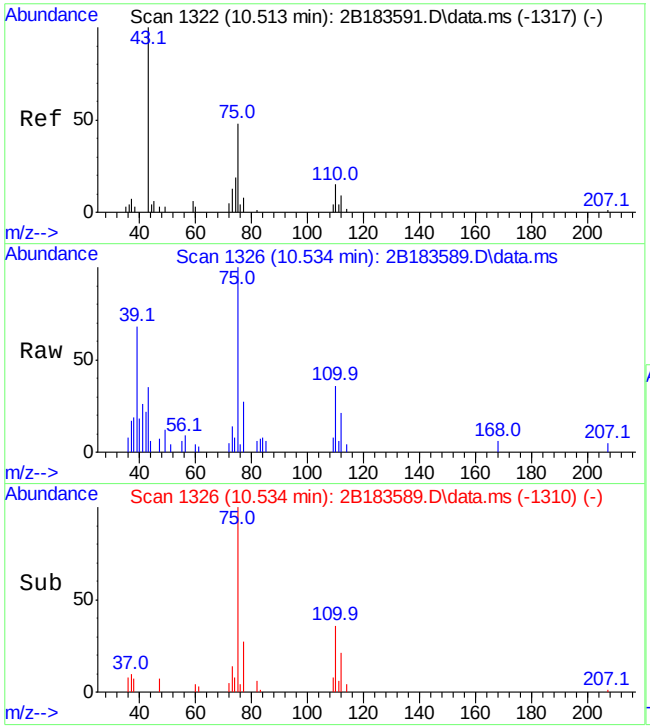


#47
1,1-dichloropropene
Concen: 7.28 ug/L
RT: 10.550 min Scan# 1329
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 75 Resp: 26790

Ion	Ratio	Lower	Upper
75	100		
77	30.6	10.5	50.5
110	41.6	17.9	57.9

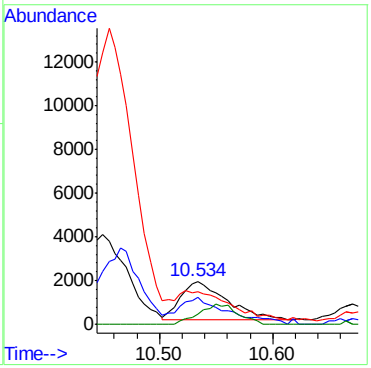


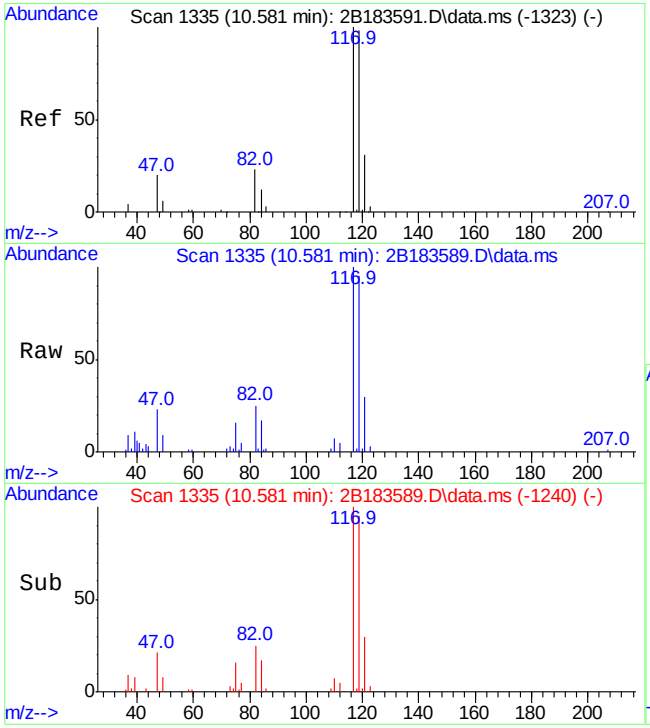


#48
iso-butyl alcohol
Concen: 60.38 ug/L
RT: 10.534 min Scan# 1326
Delta R.T. 0.032 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 43 Resp: 5039

Ion	Ratio	Lower	Upper
43	100		
42	55.3	36.5	96.5
41	66.6	64.7	124.7
74	26.6	0.0	42.8

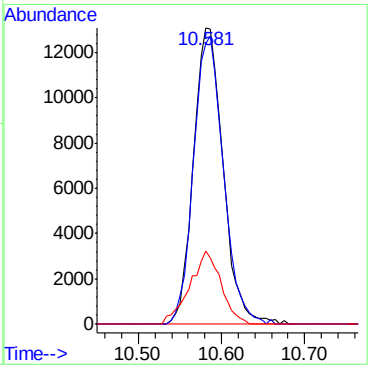


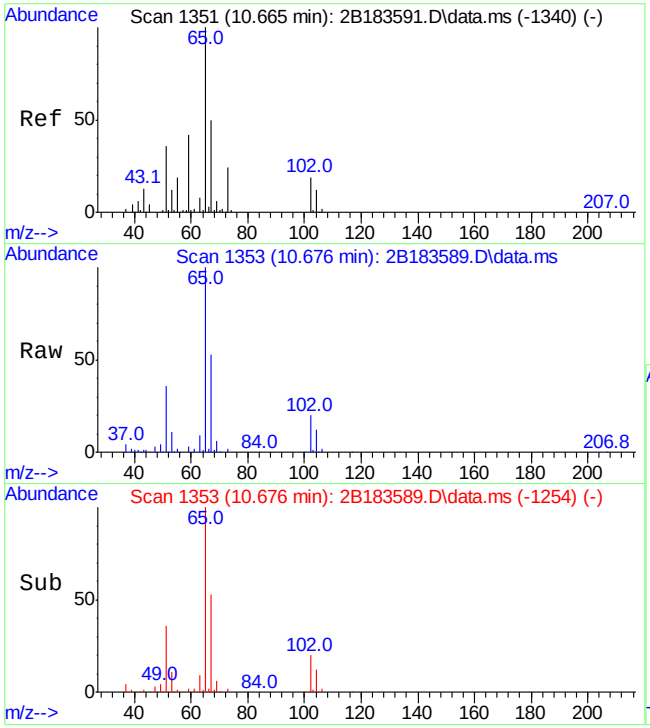


#49
carbon tetrachloride
Concen: 7.27 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:117 Resp: 32227

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.7	117.7
82	24.6	3.1	43.1

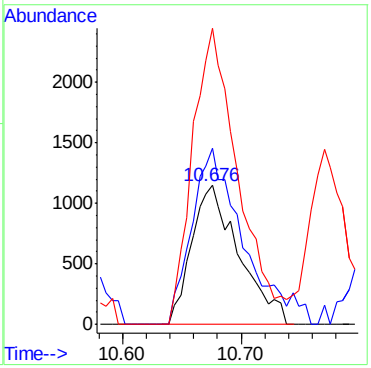


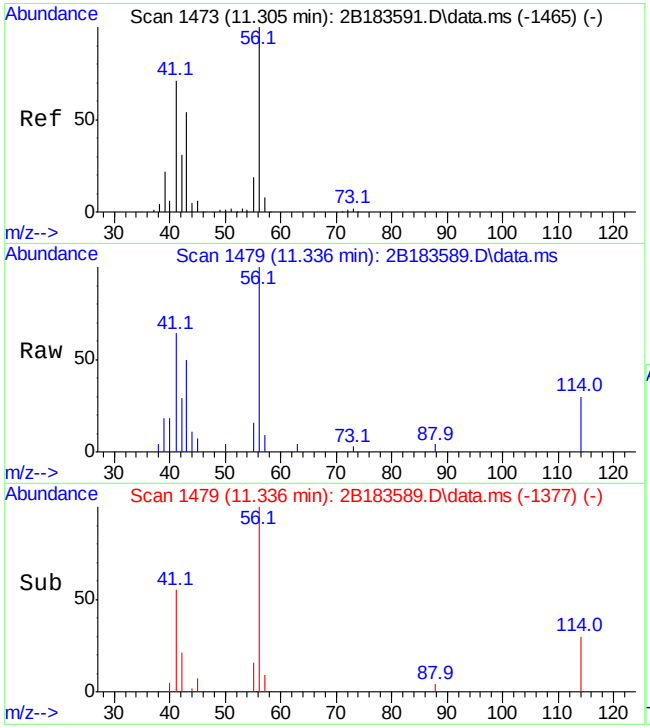


#50
tert amyl alcohol
Concen: 36.30 ug/L
RT: 10.676 min Scan# 1353
Delta R.T. 0.021 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 55 Resp: 3186

Ion	Ratio	Lower	Upper
55	100		
73	126.8	98.8	158.8
59	212.9	191.9	251.9

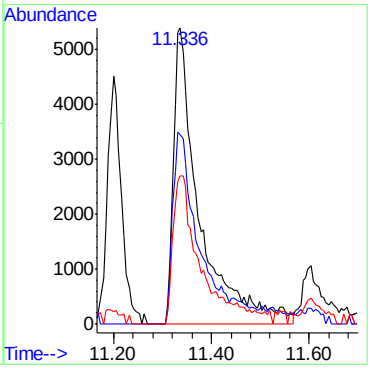


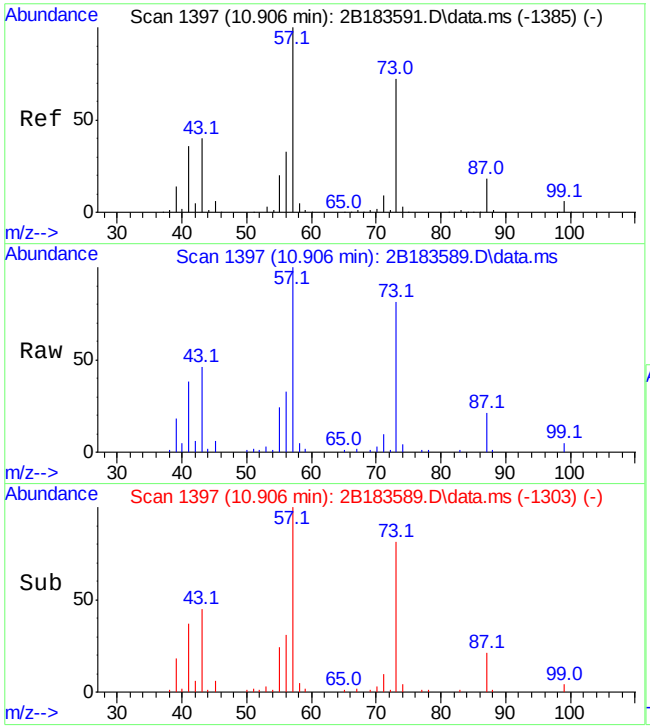


#53
n-butyl alcohol
Concen: 341.87 ug/L
RT: 11.336 min Scan# 1479
Delta R.T. 0.037 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 56 Resp: 19834

Ion	Ratio	Lower	Upper
56	100		
41	64.0	40.8	100.8
43	50.2	24.4	84.4

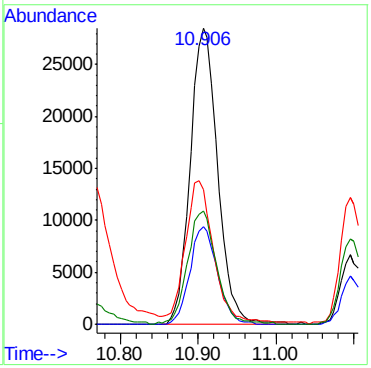


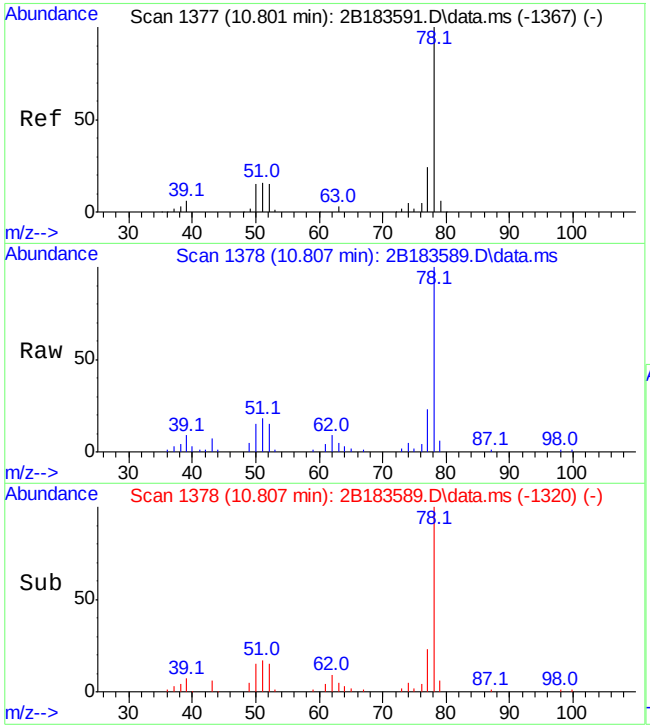


#54
2,2,4-trimethylpentane
Concen: 7.21 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 57 Resp: 69364

Ion	Ratio	Lower	Upper
57	100		
56	33.0	3.5	63.5
43	44.9	10.7	70.7
41	38.4	5.5	65.5

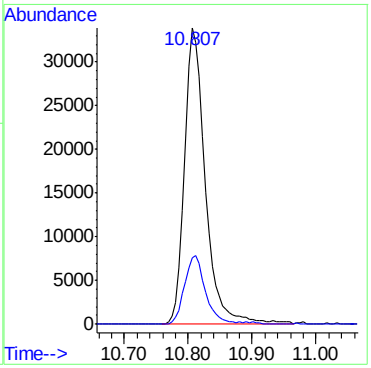


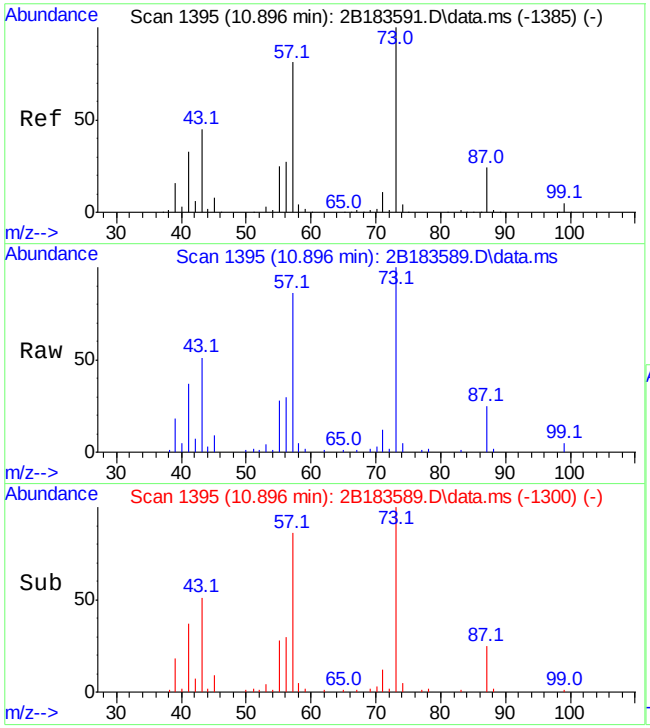


#55
benzene
Concen: 7.53 ug/L
RT: 10.807 min Scan# 1378
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 78 Resp: 76520

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	53.9

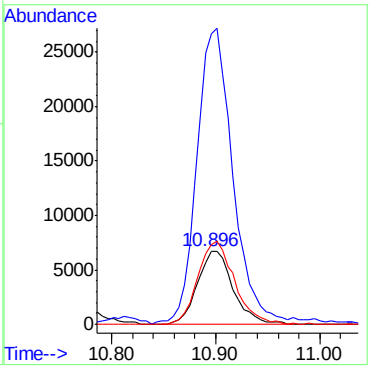


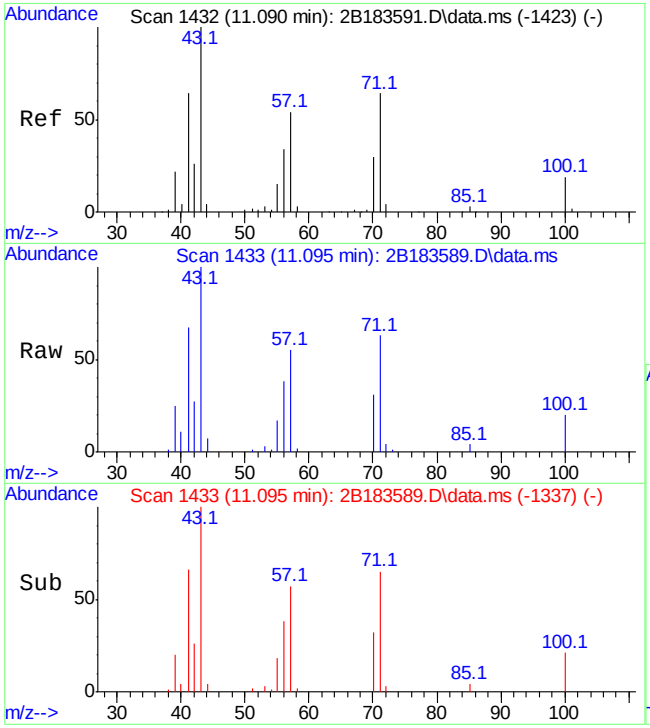


#56
tert-amyl methyl ether
Concen: 7.28 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 87 Resp: 15982

Ion	Ratio	Lower	Upper
87	100		
73	392.7	377.9	437.9
55	109.3	73.1	133.1

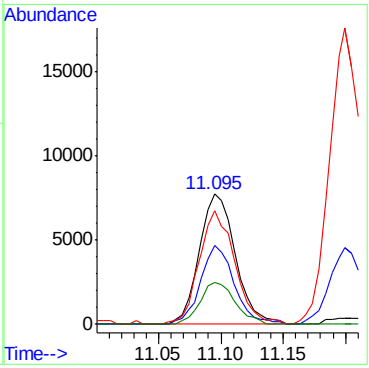


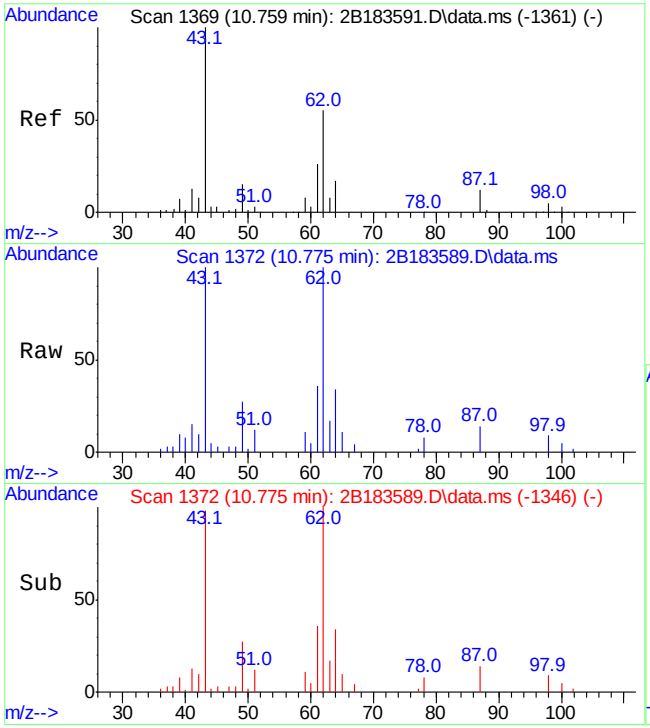


#57
heptane
Concen: 7.15 ug/L
RT: 11.095 min Scan# 1433
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 71 Resp: 15503

Ion	Ratio	Lower	Upper
71	100		
56	60.4	23.2	83.2
57	87.2	54.9	114.9
100	32.2	0.0	59.2

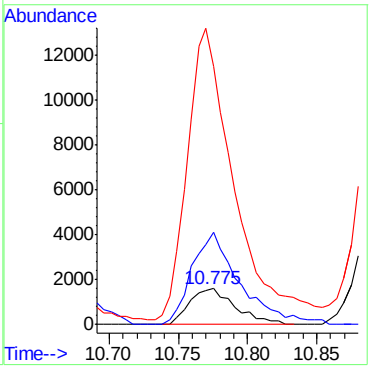


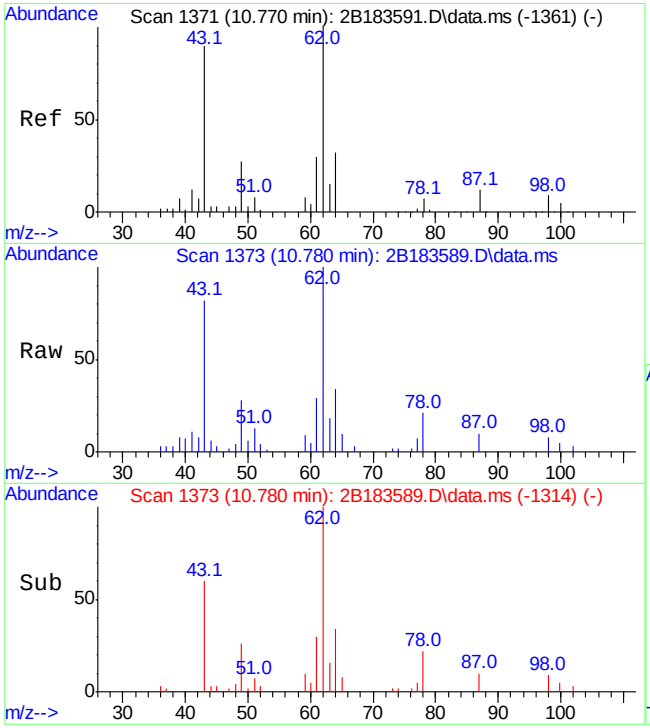


#58
isopropyl acetate
Concen: 6.76 ug/L
RT: 10.775 min Scan# 1372
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 87 Resp: 3666

Ion	Ratio	Lower	Upper
87	100		
61	258.8	185.0	245.0#
43	700.5	799.1	859.1#

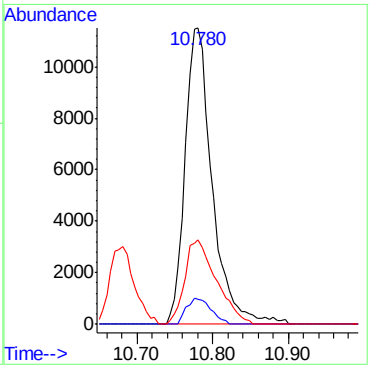


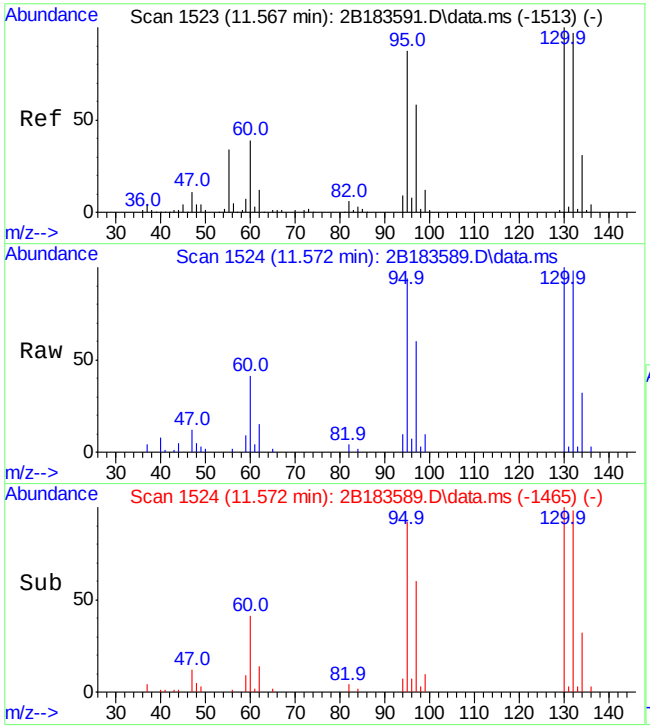


#59
1,2-dichloroethane
Concen: 7.33 ug/L
RT: 10.780 min Scan# 1373
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 62 Resp: 28476

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	39.0
49	28.5	0.0	56.8

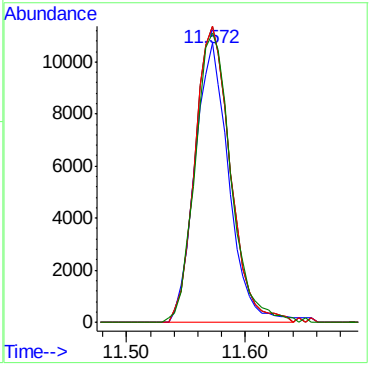


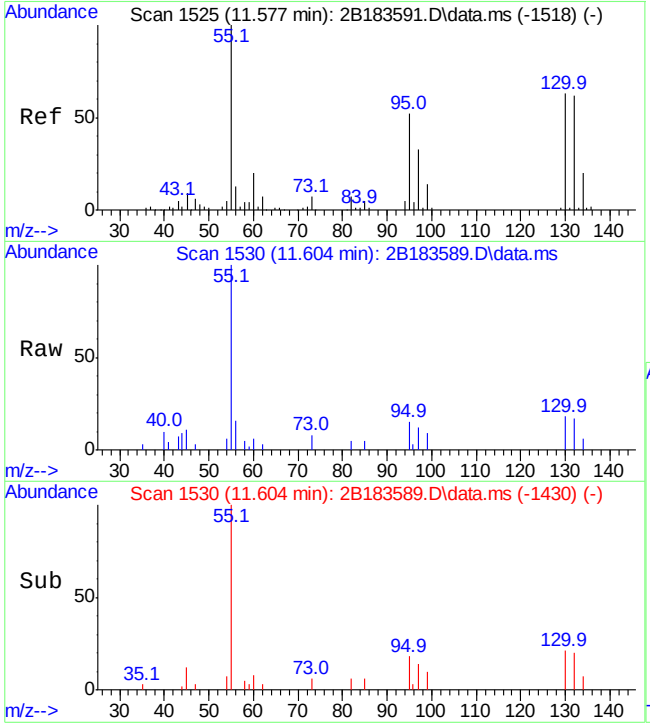


#60
trichloroethene
Concen: 7.11 ug/L
RT: 11.572 min Scan# 1524
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:130 Resp: 23528

Ion	Ratio	Lower	Upper
130	100		
95	94.3	56.8	116.8
130	100.0	70.0	130.0
132	97.7	67.2	127.2

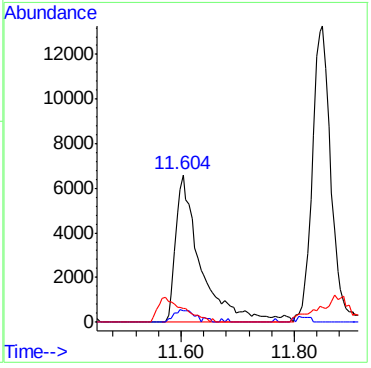


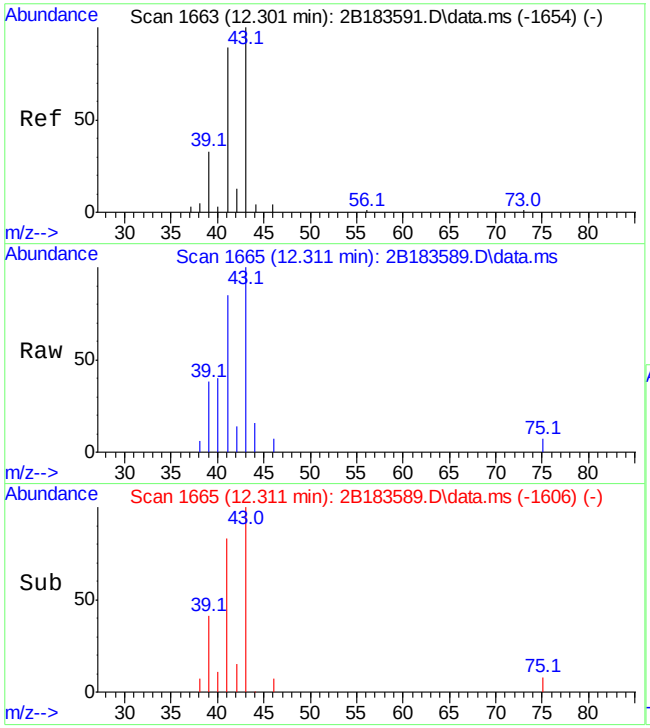


#61
ethyl acrylate
Concen: 7.21 ug/L
RT: 11.604 min Scan# 1530
Delta R.T. 0.026 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 55 Resp: 20314

Ion	Ratio	Lower	Upper
55	100		
73	7.8	0.0	27.3
99	5.8	0.0	34.6

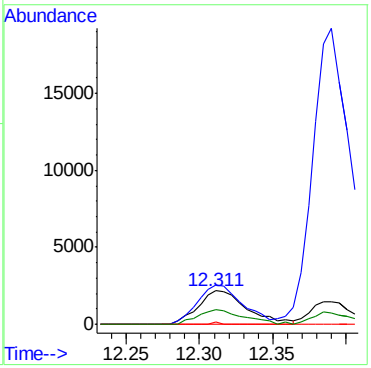


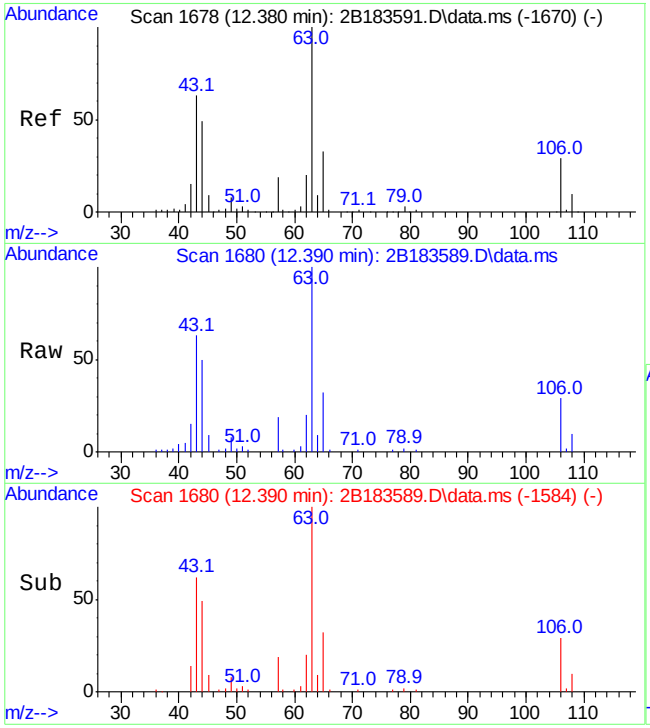


#62
2-nitropropane
Concen: 6.93 ug/L
RT: 12.311 min Scan# 1665
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 41 Resp: 5008

Ion	Ratio	Lower	Upper
41	100		
43	118.3	92.9	132.9
46	7.7	0.0	24.8
39	44.7	17.1	57.1

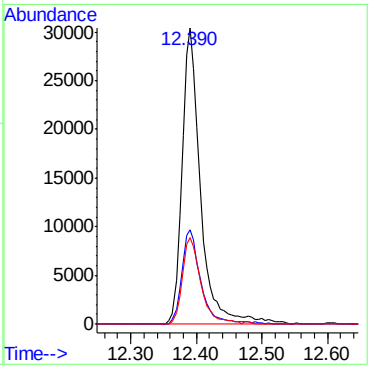


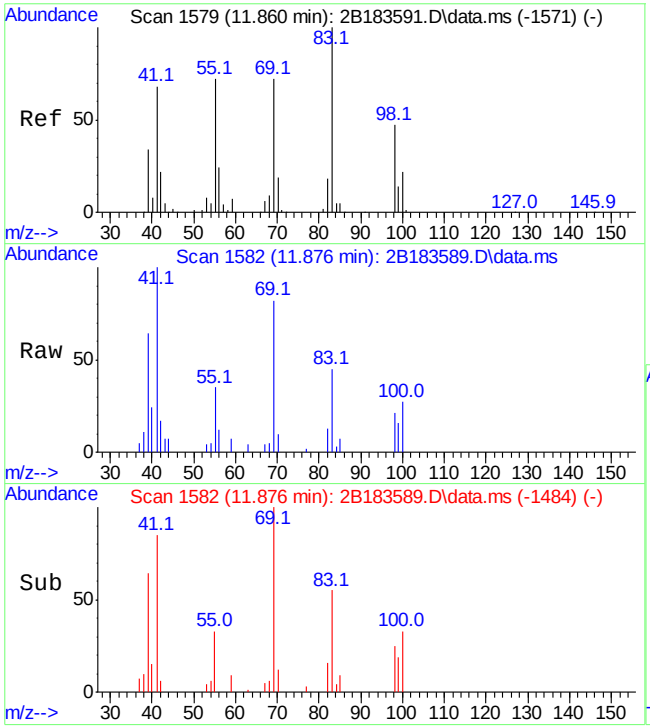


#63
2-chloroethyl vinyl ether
Concen: 37.28 ug/L
RT: 12.390 min Scan# 1680
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 63 Resp: 60119

Ion	Ratio	Lower	Upper
63	100		
65	31.7	2.7	62.7
106	29.3	0.0	59.0

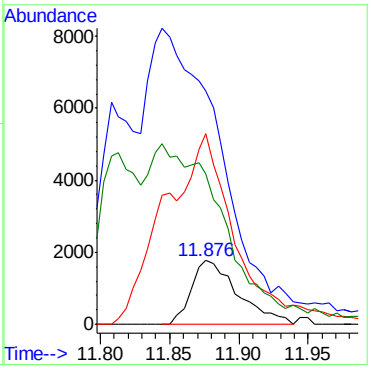


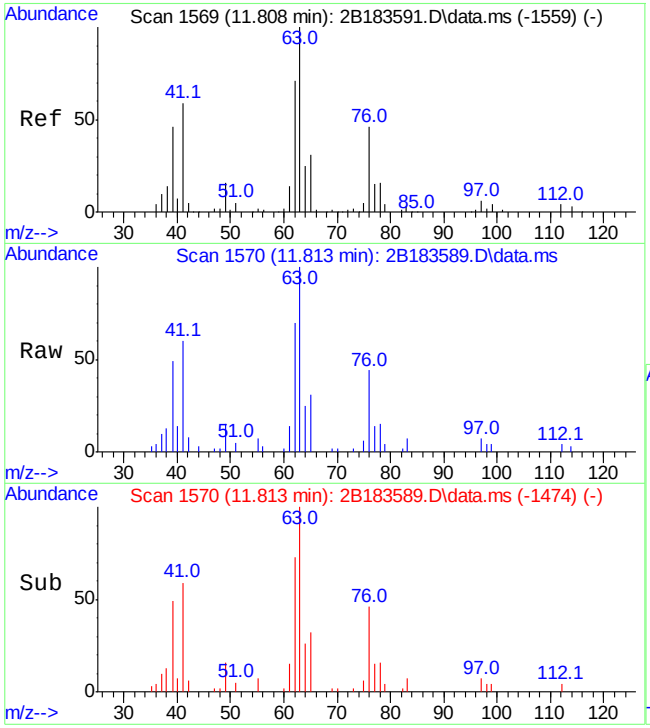


#64
methyl methacrylate
Concen: 6.56 ug/L
RT: 11.876 min Scan# 1582
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:100 Resp: 4146

Ion	Ratio	Lower	Upper
100	100		
41	330.4	492.5	552.5#
69	268.0	314.6	374.6#
39	205.9	285.7	345.7#

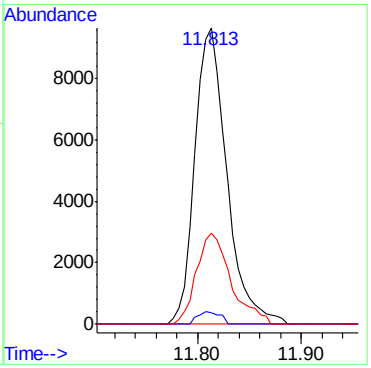


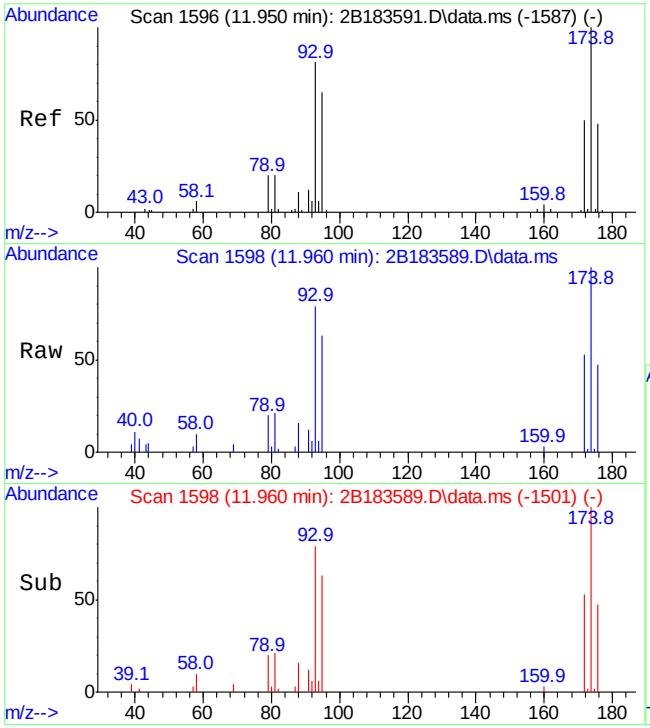


#65
1,2-dichloropropane
Concen: 7.52 ug/L
RT: 11.813 min Scan# 1570
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 63 Resp: 20657

Ion	Ratio	Lower	Upper
63	100		
112	3.9	0.0	33.9
65	30.8	1.3	61.3

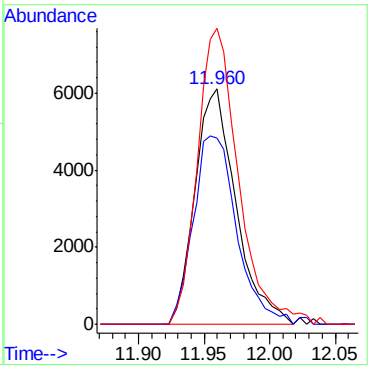


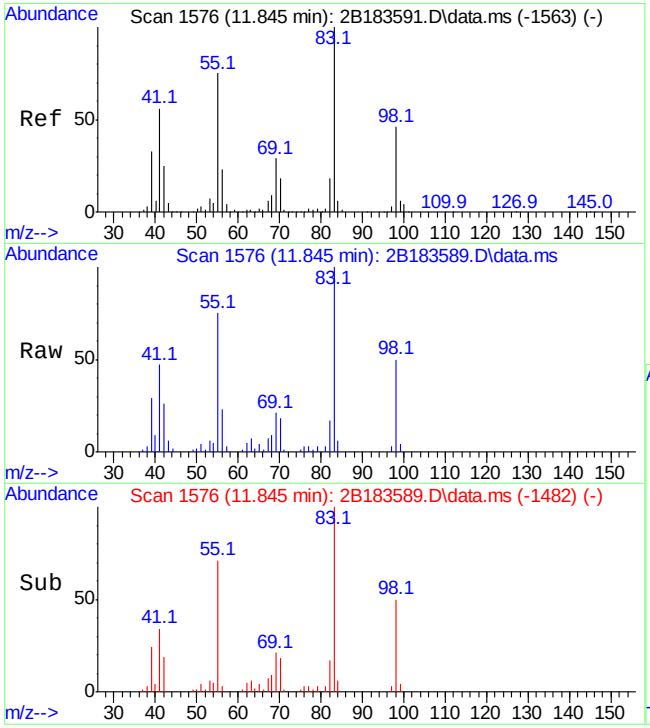


#66
dibromomethane
Concen: 7.25 ug/L
RT: 11.960 min Scan# 1598
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 93 Resp: 13303

Ion	Ratio	Lower	Upper
93	100		
95	79.1	50.5	110.5
174	125.8	94.1	154.1

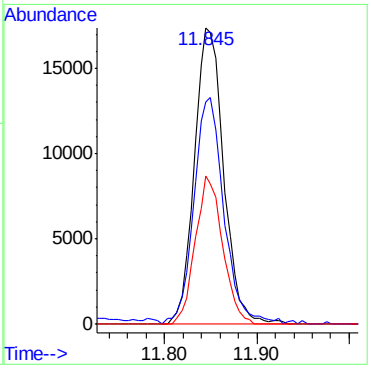


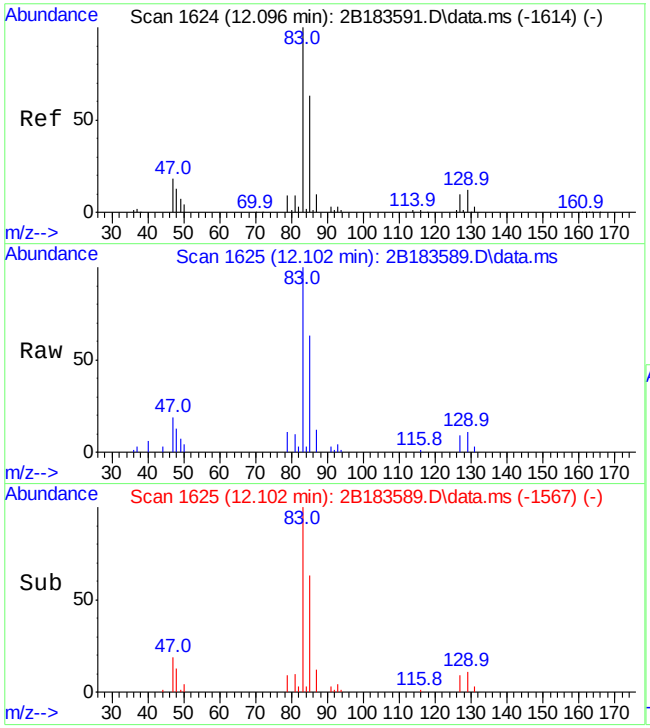


#67
methylcyclohexane
Concen: 7.43 ug/L
RT: 11.845 min Scan# 1576
Delta R.T. -0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 83 Resp: 38207

Ion	Ratio	Lower	Upper
83	100		
55	75.1	45.5	105.5
98	50.1	15.7	75.7

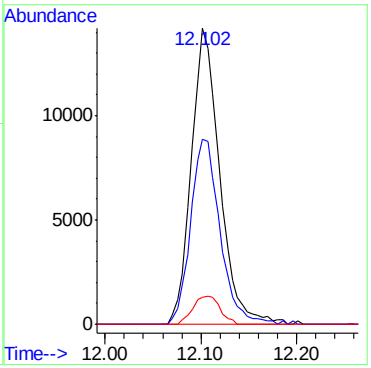


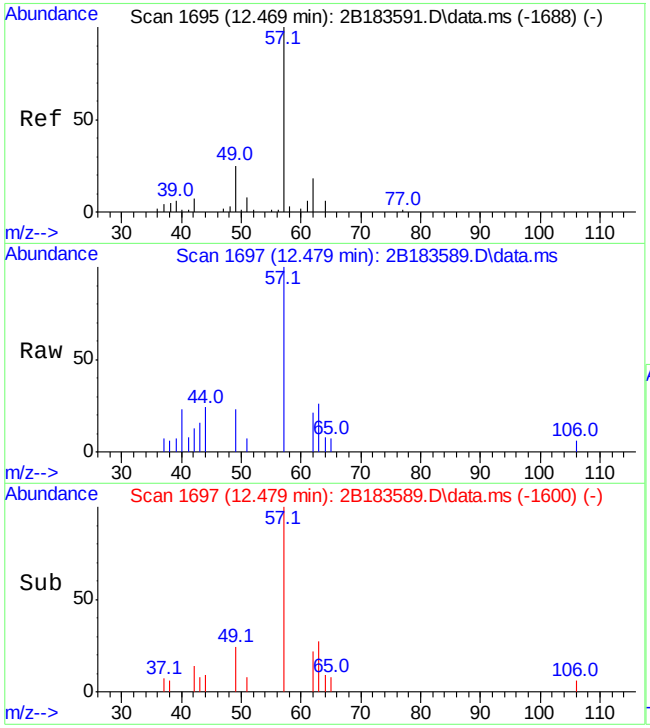


#68
bromodichloromethane
Concen: 7.50 ug/L
RT: 12.102 min Scan# 1625
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 83 Resp: 29251

Ion	Ratio	Lower	Upper
83	100		
85	62.6	33.2	93.2
127	9.0	0.0	39.5

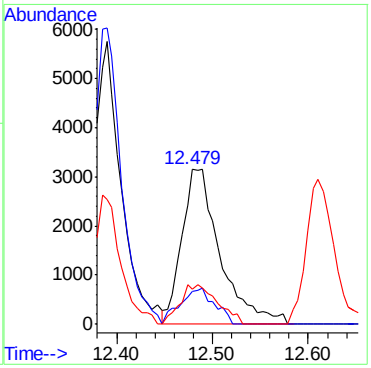


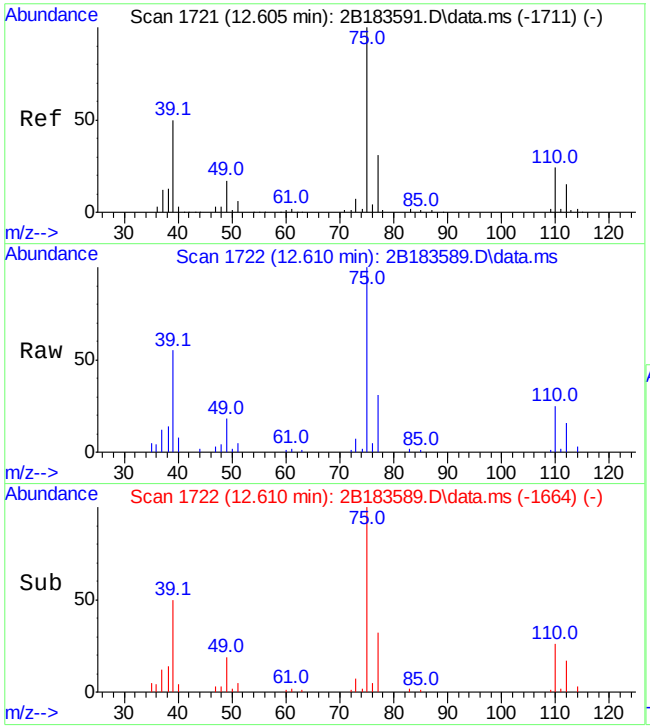


#69
epichlorohydrin
Concen: 35.81 ug/L
RT: 12.479 min Scan# 1697
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 57 Resp: 8752

Ion	Ratio	Lower	Upper
57	100		
62	21.2	0.4	40.4
49	22.7	4.3	44.3

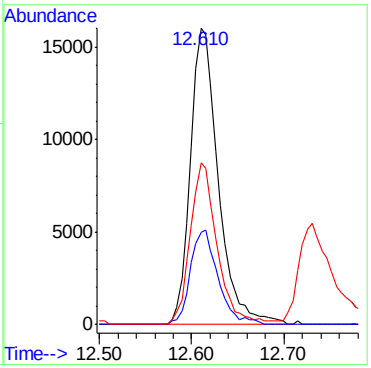


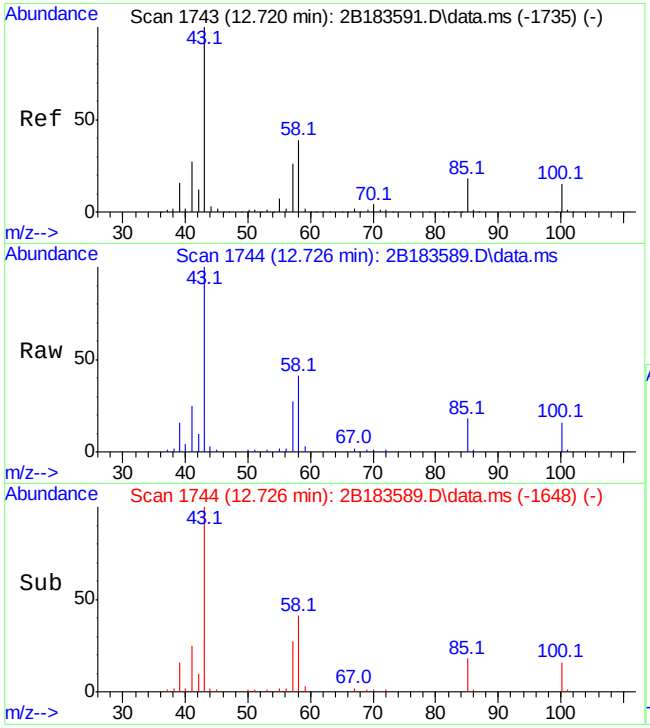


#70
cis-1,3-dichloropropene
Concen: 7.28 ug/L
RT: 12.610 min Scan# 1722
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 75 Resp: 33710

Ion	Ratio	Lower	Upper
75	100		
77	31.0	1.4	61.4
39	54.6	19.8	79.8

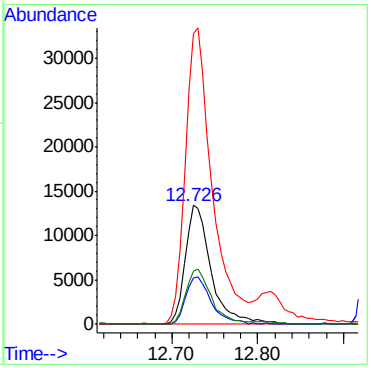


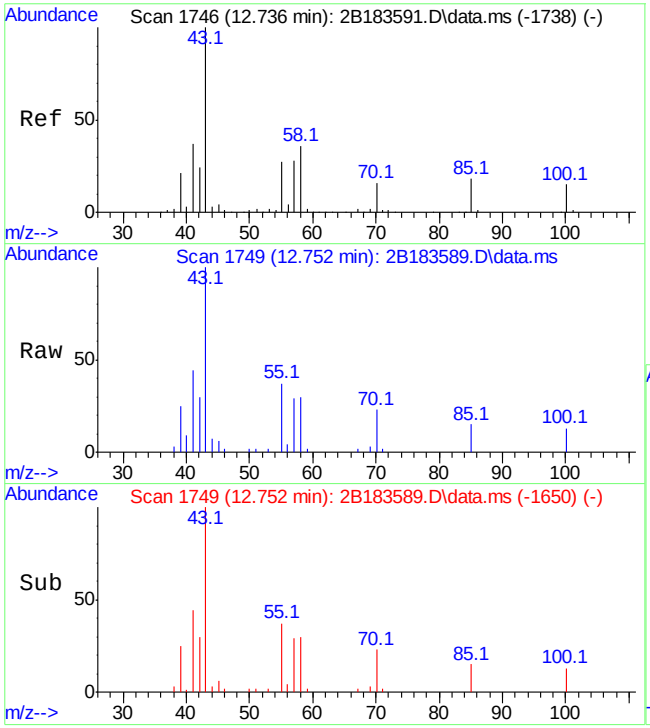


#71
4-methyl-2-pentanone
Concen: 29.48 ug/L
RT: 12.726 min Scan# 1744
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 58 Resp: 27710

Ion	Ratio	Lower	Upper
58	100		
100	38.8	8.6	68.6
43	244.6	223.3	283.3
85	44.9	16.6	76.6

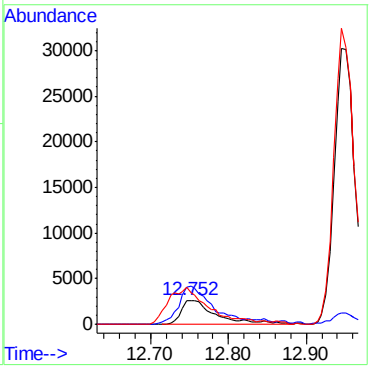


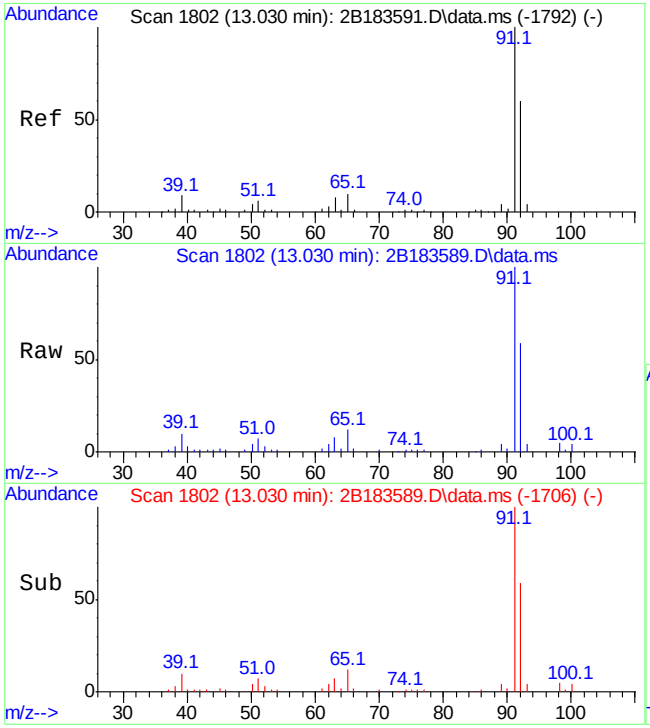


#72
3-methyl-1-butanol
Concen: 145.54 ug/L
RT: 12.752 min Scan# 1749
Delta R.T. 0.021 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 70 Resp: 8127

Ion	Ratio	Lower	Upper
70	100		
55	154.2	138.6	198.6
42	132.4	117.3	177.3

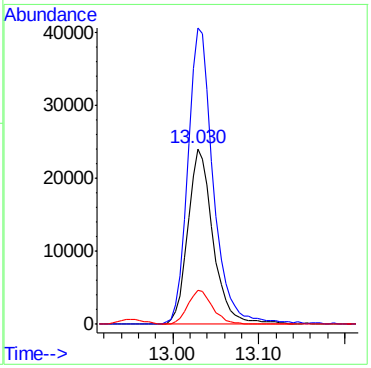


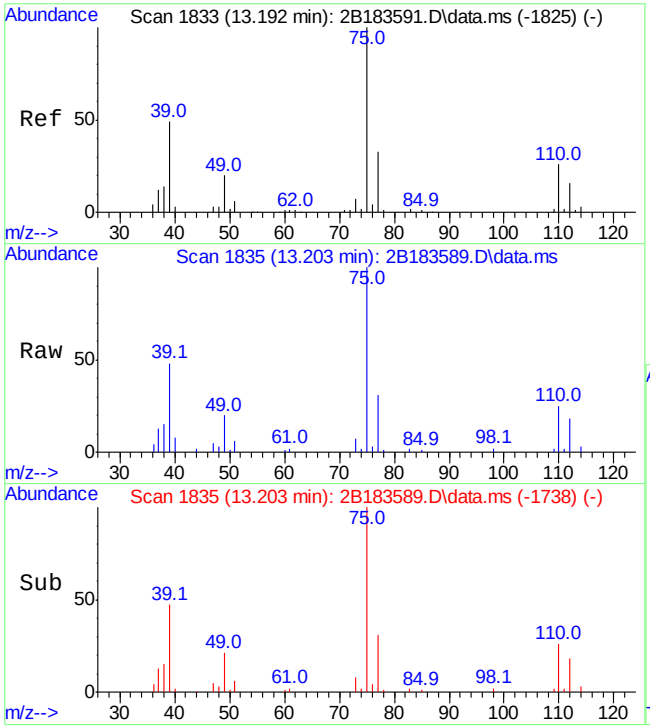


#75
toluene
Concen: 7.55 ug/L
RT: 13.030 min Scan# 1802
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 92 Resp: 48440

Ion	Ratio	Lower	Upper
92	100		
91	168.9	145.5	185.5
65	19.5	0.0	37.3

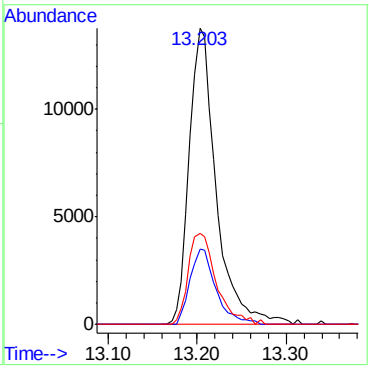


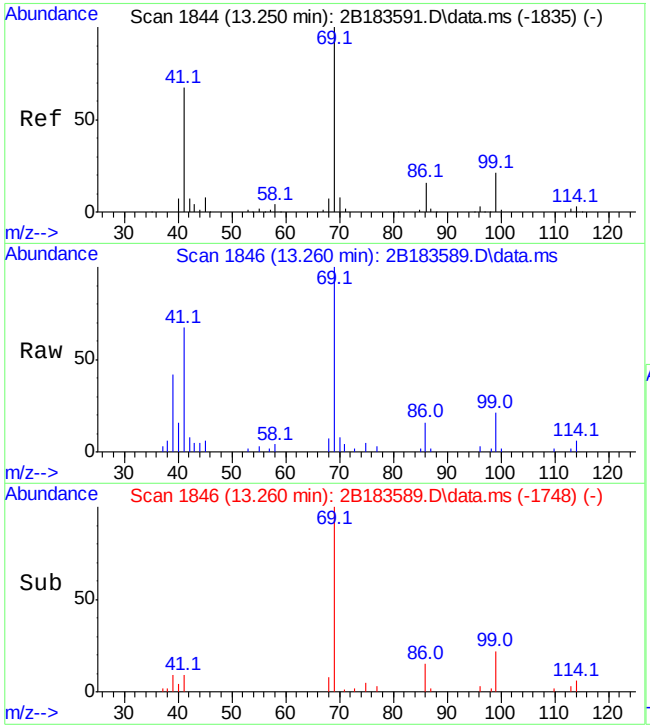


#76
trans-1,3-dichloropropene
Concen: 7.54 ug/L
RT: 13.203 min Scan# 1835
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 75 Resp: 28955

Ion	Ratio	Lower	Upper
75	100		
110	25.5	5.6	45.6
77	30.8	12.9	52.9

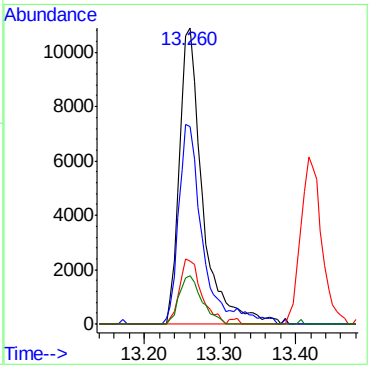


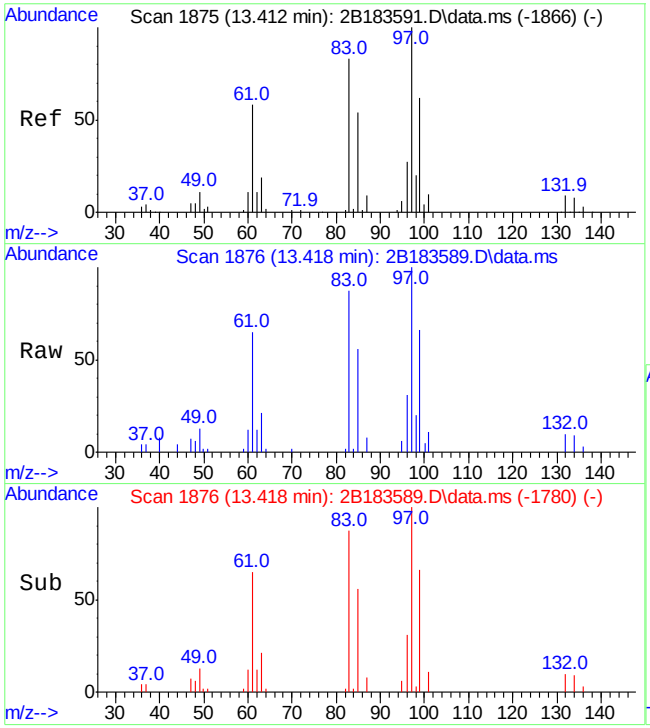


#77
ethyl methacrylate
Concen: 7.41 ug/L
RT: 13.260 min Scan# 1846
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 69 Resp: 23031

Ion	Ratio	Lower	Upper
69	100		
41	66.6	47.3	87.3
99	21.2	0.7	40.7
86	16.3	0.0	36.3

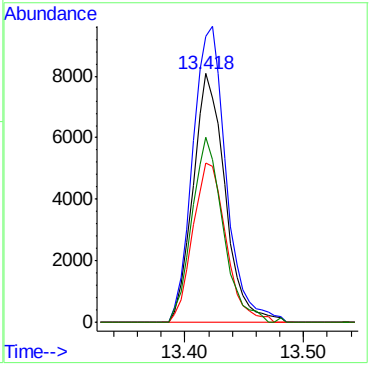


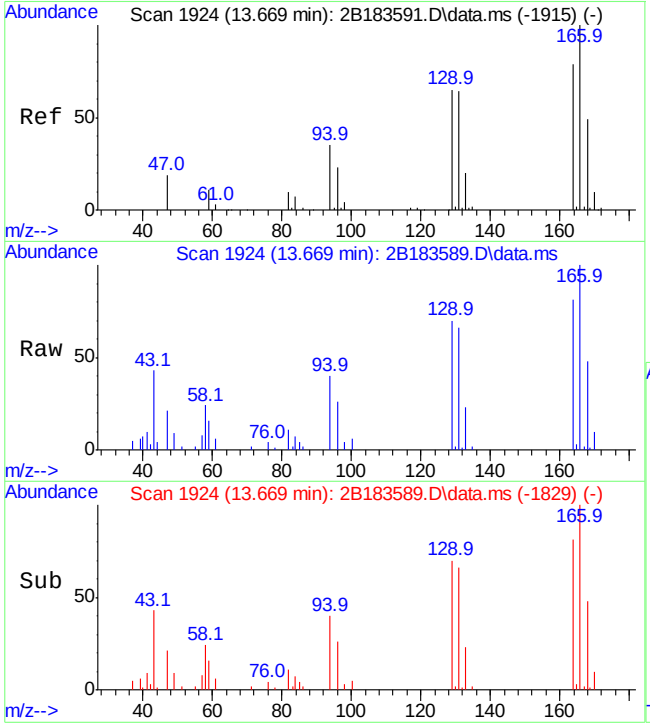


#78
1,1,2-trichloroethane
Concen: 7.65 ug/L
RT: 13.418 min Scan# 1876
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 83 Resp: 15203

Ion	Ratio	Lower	Upper
83	100		
97	114.7	100.4	140.4
85	64.1	44.7	84.7
61	74.3	49.5	89.5

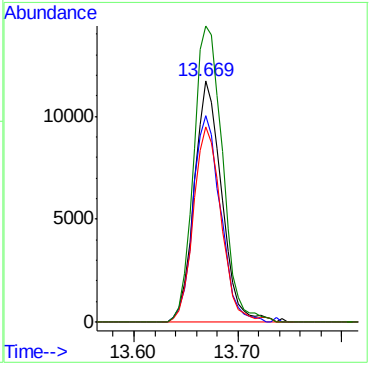


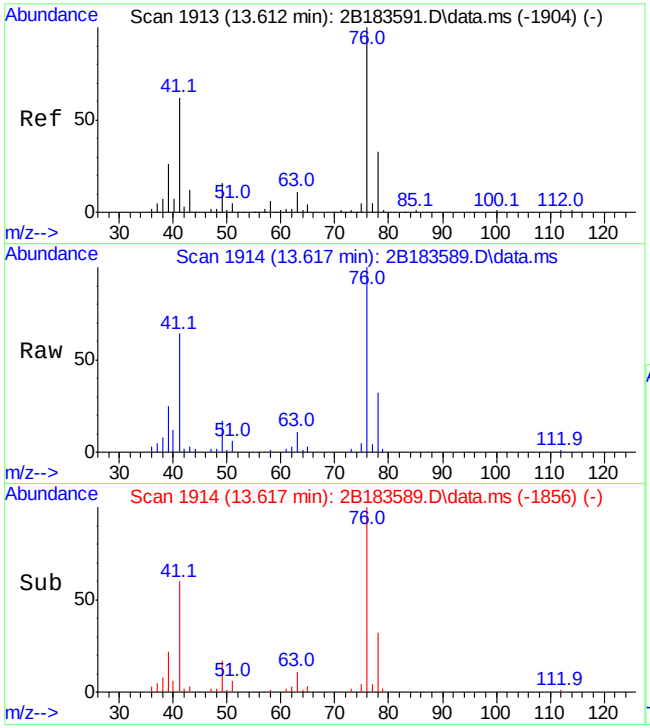


#79
tetrachloroethene
Concen: 7.66 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:164 Resp: 21399

Ion	Ratio	Lower	Upper
164	100		
129	85.5	52.8	112.8
131	81.1	51.2	111.2
166	122.9	97.3	157.3

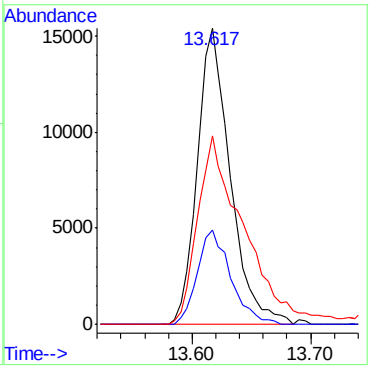


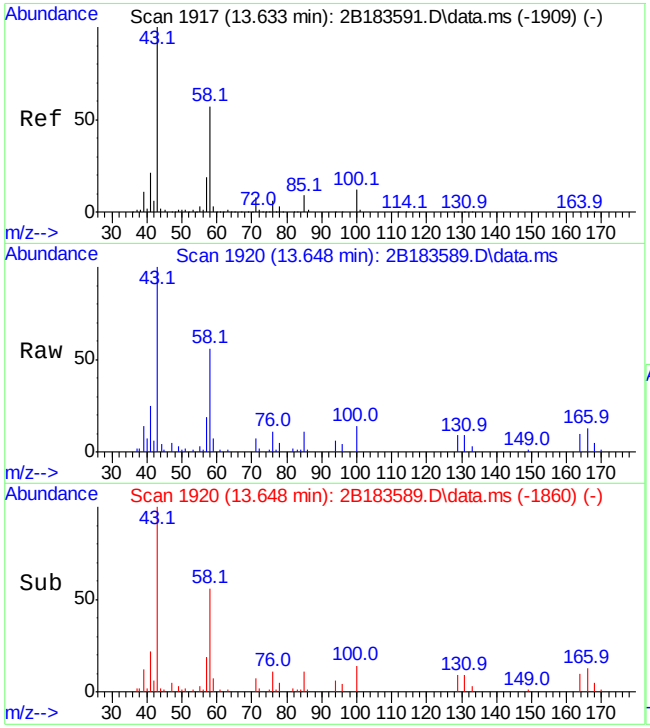


#80
1,3-dichloropropane
Concen: 7.39 ug/L
RT: 13.617 min Scan# 1914
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 76 Resp: 29807

Ion	Ratio	Lower	Upper
76	100		
78	32.0	2.9	62.9
41	63.6	31.5	91.5

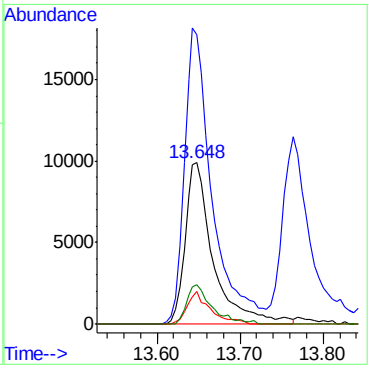


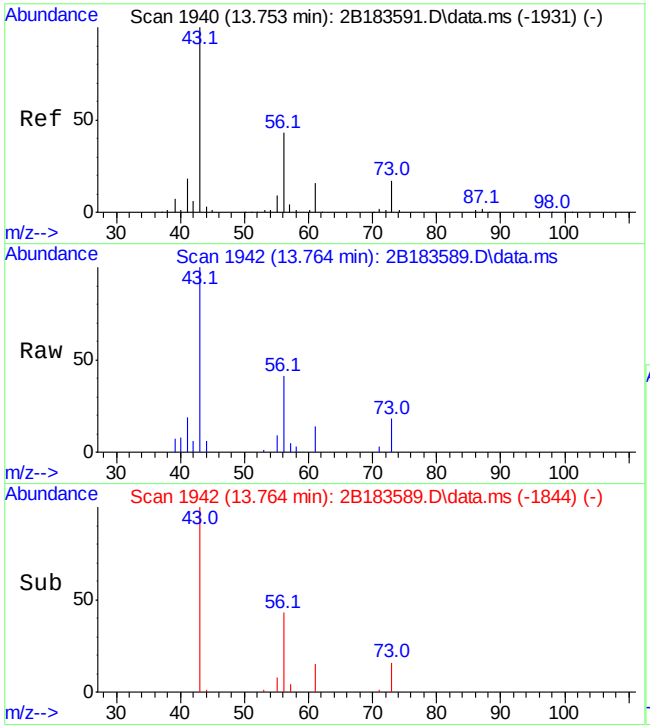


#81
2-hexanone
Concen: 29.93 ug/L
RT: 13.648 min Scan# 1920
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 58 Resp: 23300

Ion	Ratio	Lower	Upper
58	100		
43	179.3	156.8	196.8
85	20.3	0.0	35.7
100	24.3	0.5	40.5

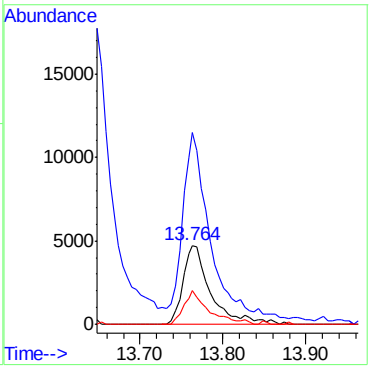


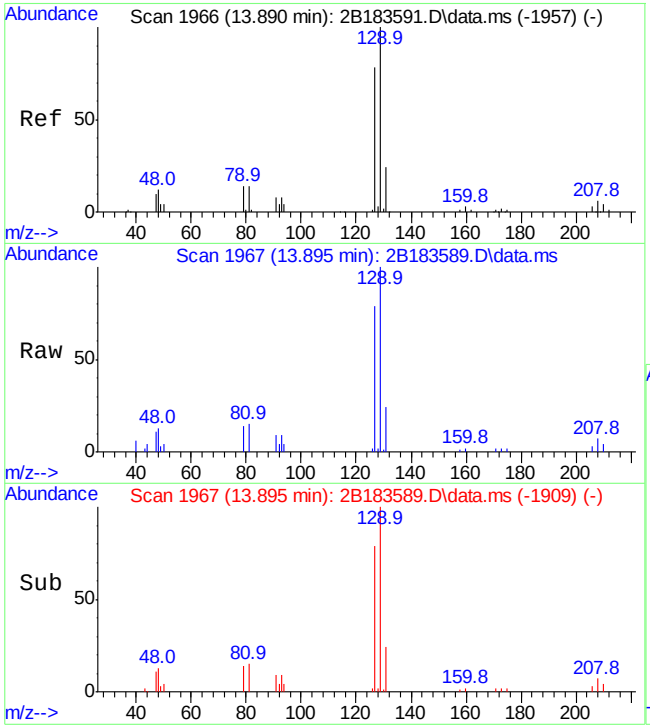


#82
butyl acetate
Concen: 7.40 ug/L
RT: 13.764 min Scan# 1942
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 56 Resp: 10988

Ion	Ratio	Lower	Upper
56	100		
43	234.2	205.4	265.4
73	42.6	8.9	68.9

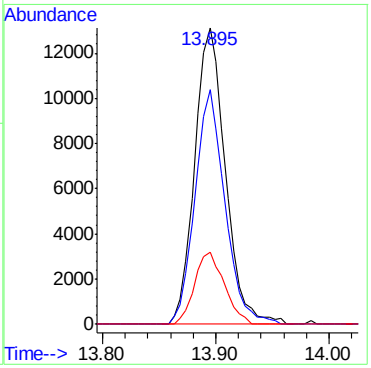


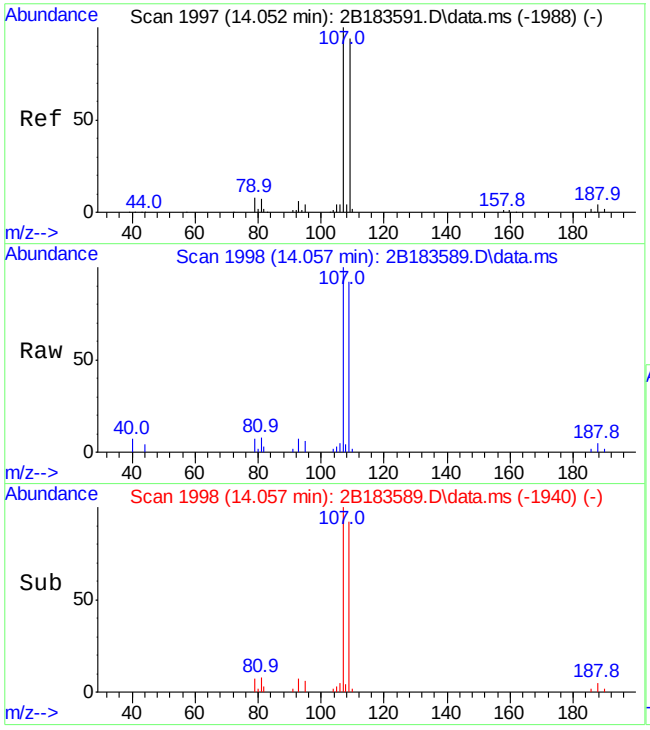


#83
dibromochloromethane
Concen: 7.55 ug/L
RT: 13.895 min Scan# 1967
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:129 Resp: 24529

Ion	Ratio	Lower	Upper
129	100		
127	79.1	47.6	107.6
131	24.4	0.0	54.0

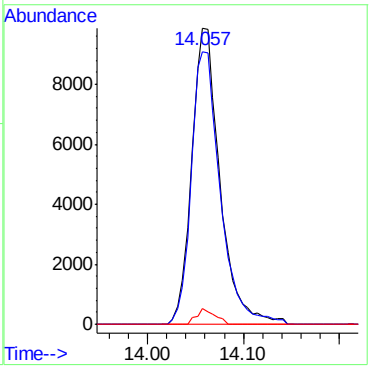


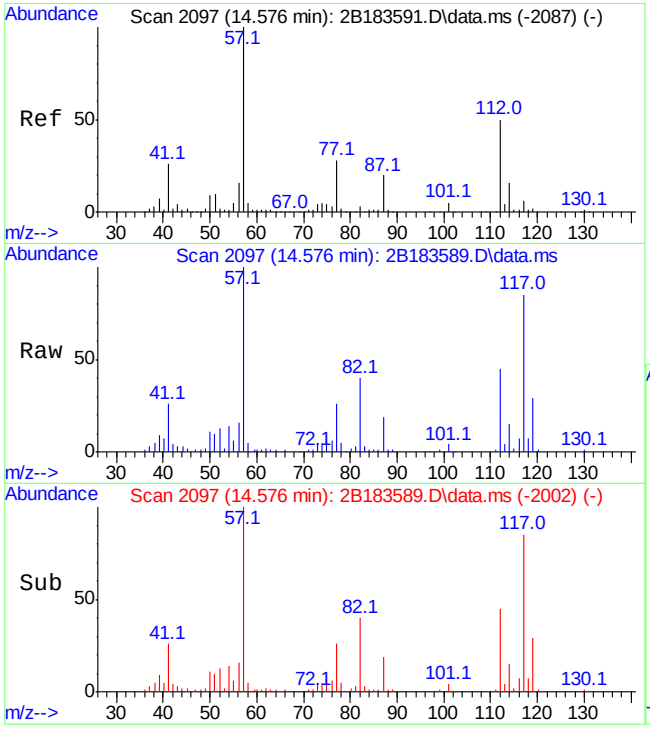


#84
1,2-dibromoethane
Concen: 7.68 ug/L
RT: 14.057 min Scan# 1998
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:107 Resp: 20181

Ion	Ratio	Lower	Upper
107	100		
109	92.1	64.2	124.2
188	5.4	0.0	33.9

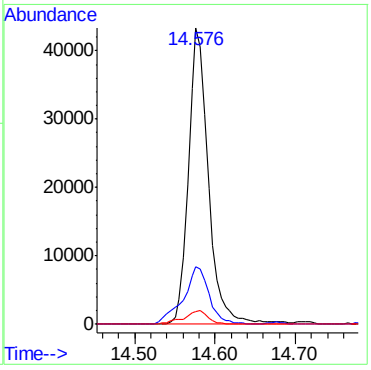


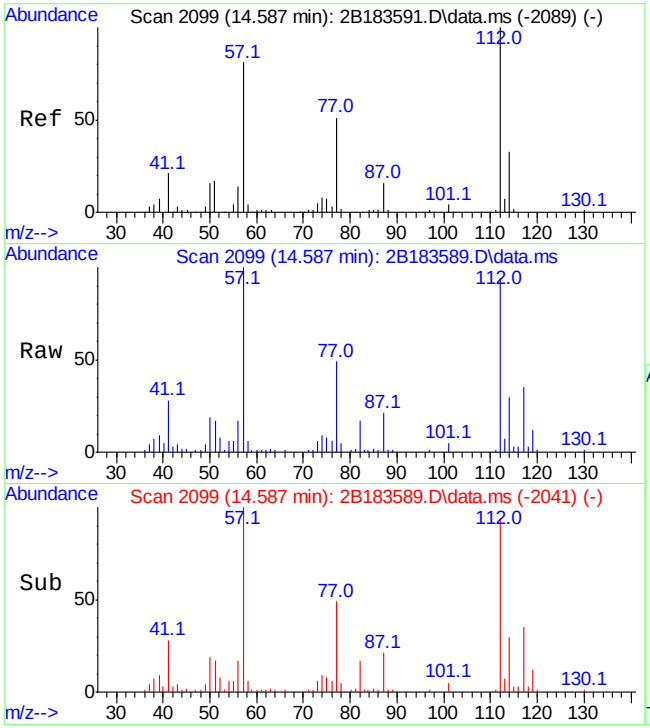


#85
n-butyl ether
Concen: 7.51 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 57 Resp: 74555

Ion	Ratio	Lower	Upper
57	100		
87	19.2	0.0	49.5
101	4.3	0.0	34.7

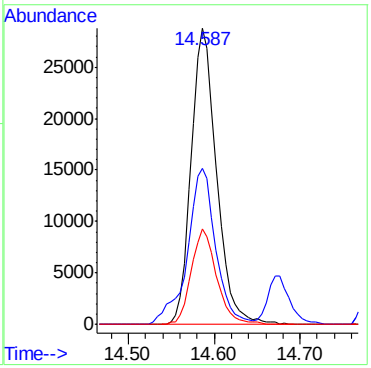


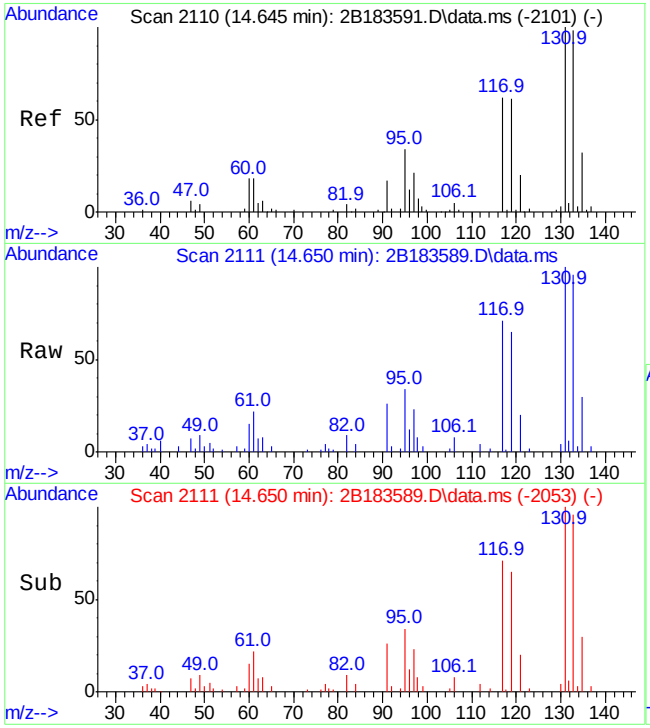


#86
chlorobenzene
Concen: 7.65 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:112 Resp: 58366

Ion	Ratio	Lower	Upper
112	100		
77	48.5	21.5	81.5
114	32.2	2.8	62.8

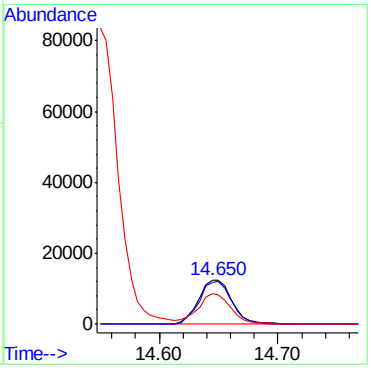


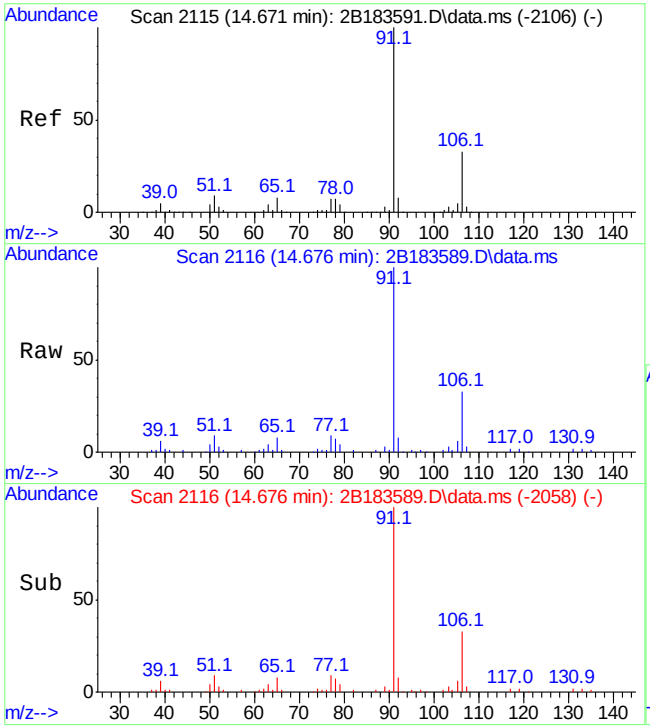


#87
1,1,1,2-tetrachloroethane
Concen: 7.56 ug/L
RT: 14.650 min Scan# 2111
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:131 Resp: 24061

Ion	Ratio	Lower	Upper
131	100		
133	96.3	67.8	127.8
119	63.9	32.9	92.9

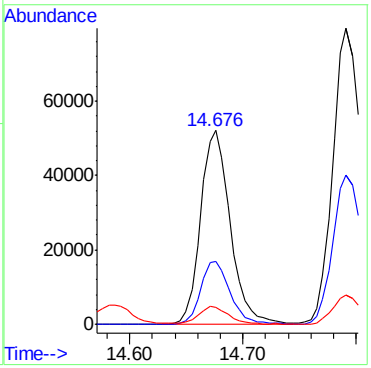


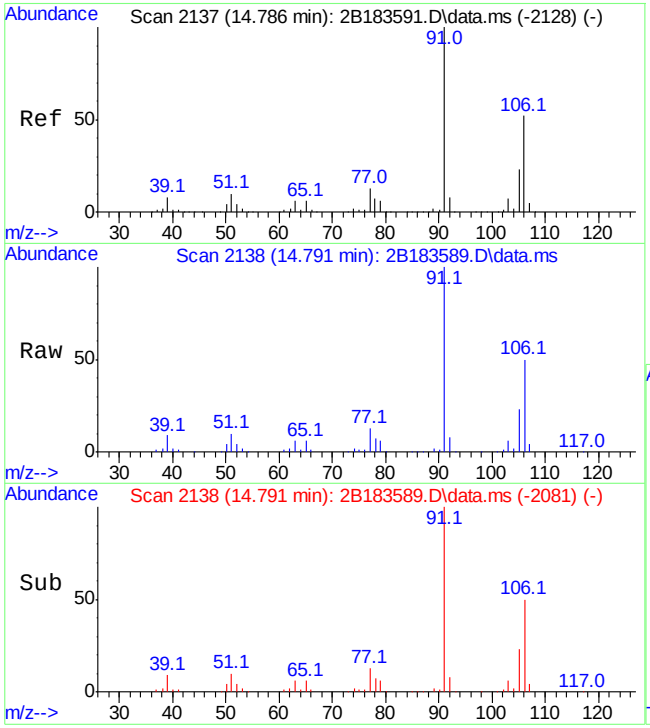


#88
ethylbenzene
Concen: 7.67 ug/L
RT: 14.676 min Scan# 2116
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 91 Resp: 94429

Ion	Ratio	Lower	Upper
91	100		
106	32.5	3.0	63.0
51	8.9	0.0	39.2

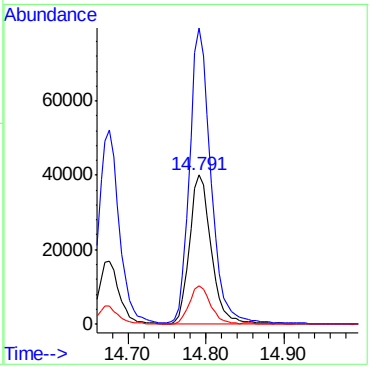


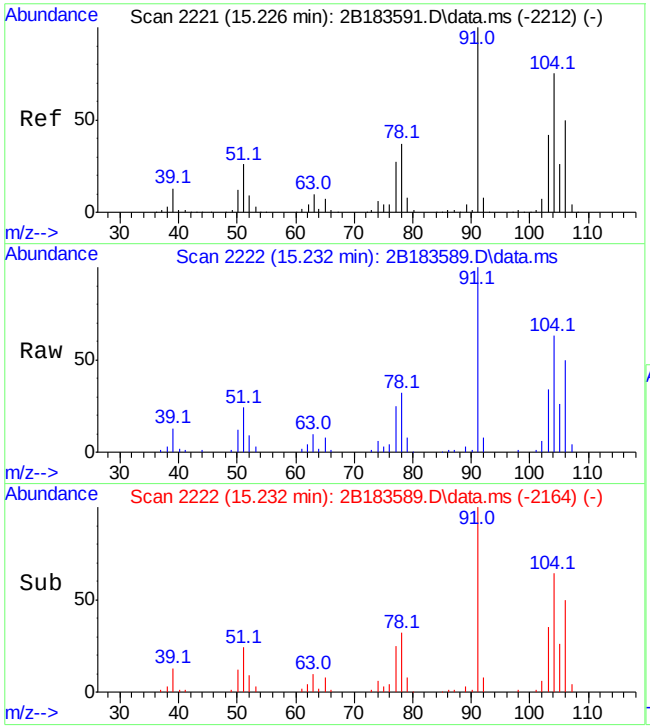


#89
m,p-xylene
Concen: 15.52 ug/L
RT: 14.791 min Scan# 2138
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:106 Resp: 77206

Ion	Ratio	Lower	Upper
106	100		
91	197.8	162.7	222.7
77	25.6	5.0	45.0

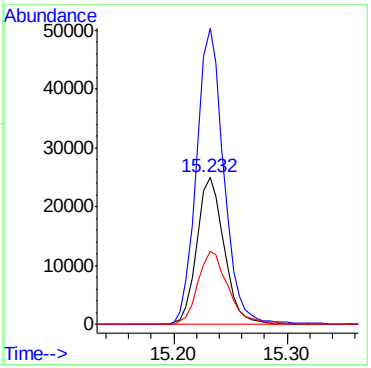


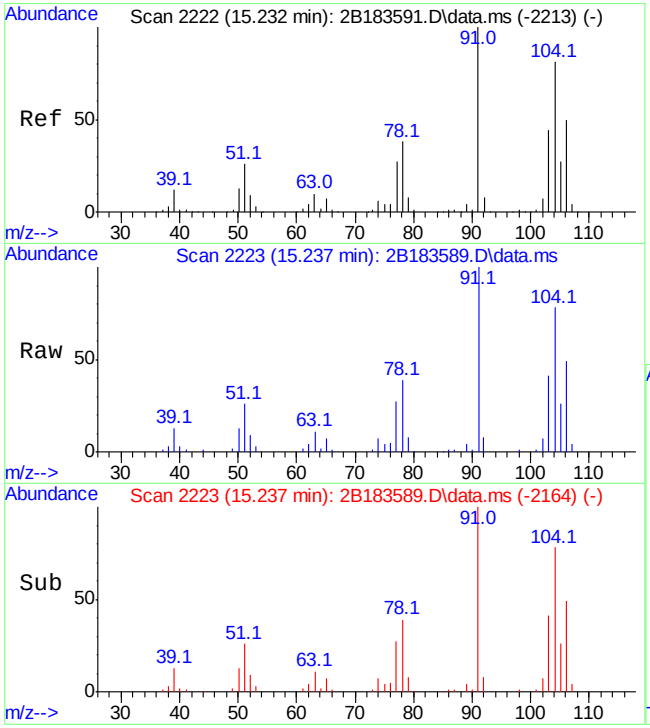


#90
o-xylene
Concen: 7.83 ug/L
RT: 15.232 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:106 Resp: 41528

Ion	Ratio	Lower	Upper
106	100		
91	200.7	169.5	229.5
77	49.7	33.1	73.1

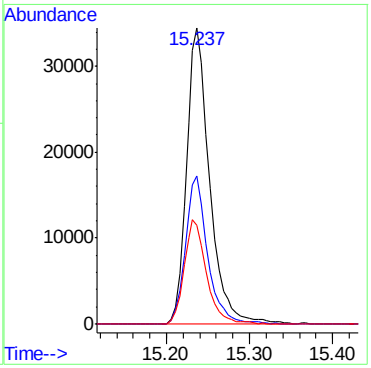


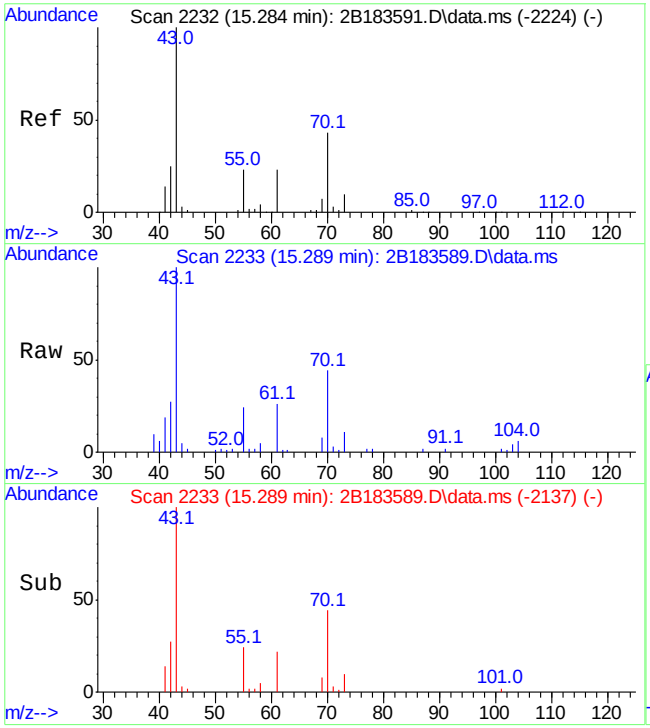


#91
styrene
Concen: 7.86 ug/L
RT: 15.237 min Scan# 2223
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:104 Resp: 66552

Ion	Ratio	Lower	Upper
104	100		
78	50.2	16.8	76.8
51	33.3	2.1	62.1

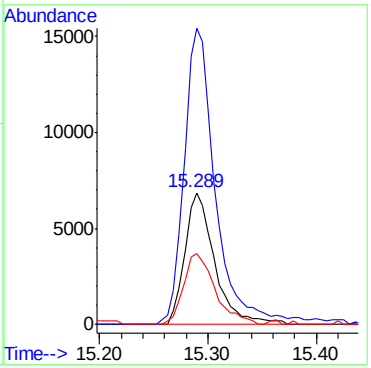


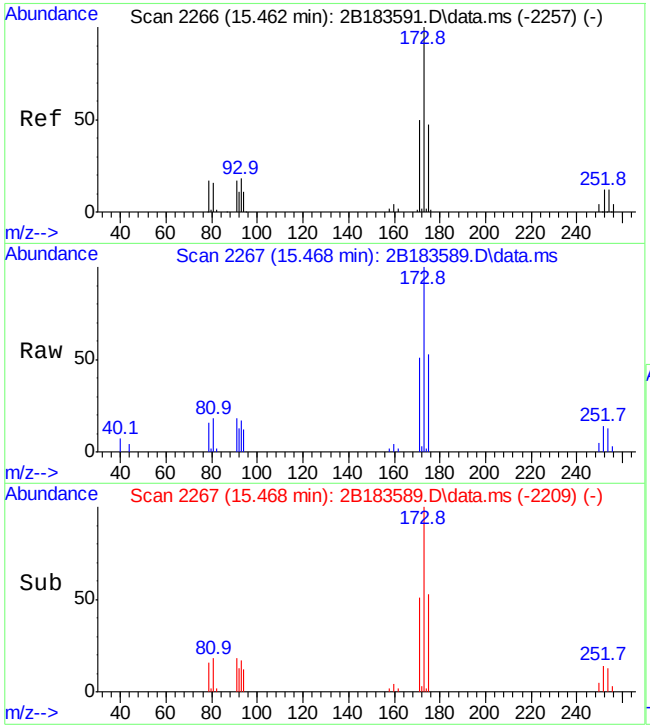


#92
n-amyl acetate
Concen: 7.46 ug/L
RT: 15.289 min Scan# 2233
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 70 Resp: 13029

Ion	Ratio	Lower	Upper
70	100		
43	222.3	202.3	262.3
55	53.5	23.6	83.6

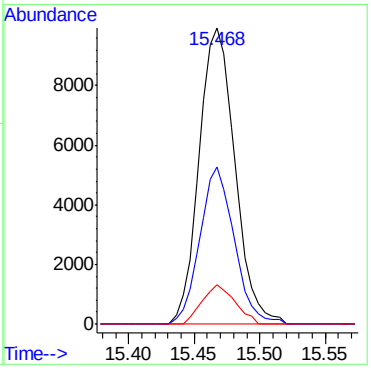


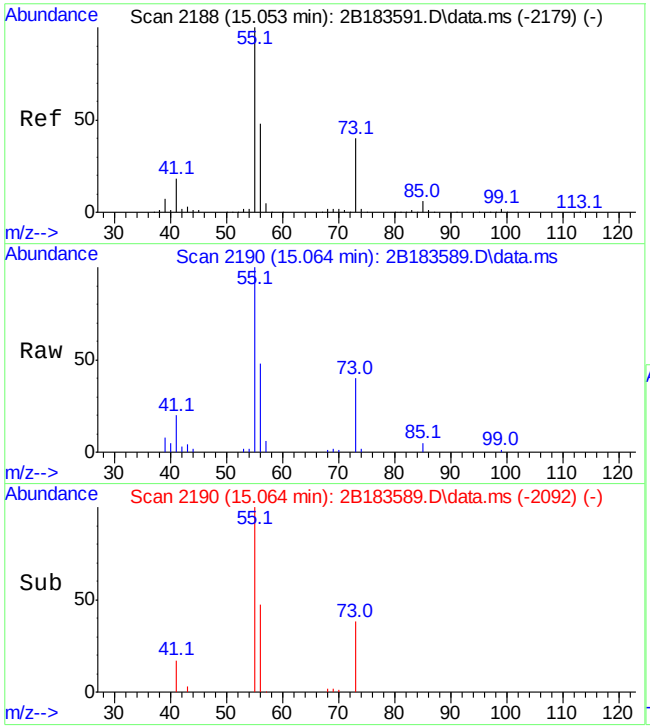


#93
bromoform
Concen: 7.37 ug/L
RT: 15.468 min Scan# 2267
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:173 Resp: 18859

Ion	Ratio	Lower	Upper
173	100		
175	53.0	17.3	77.3
254	13.4	0.0	42.0

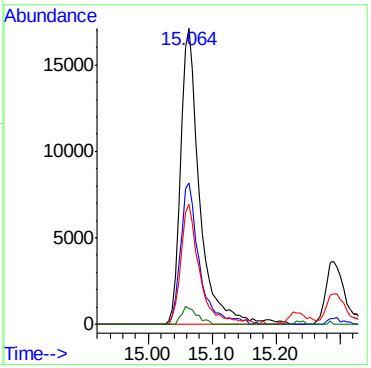


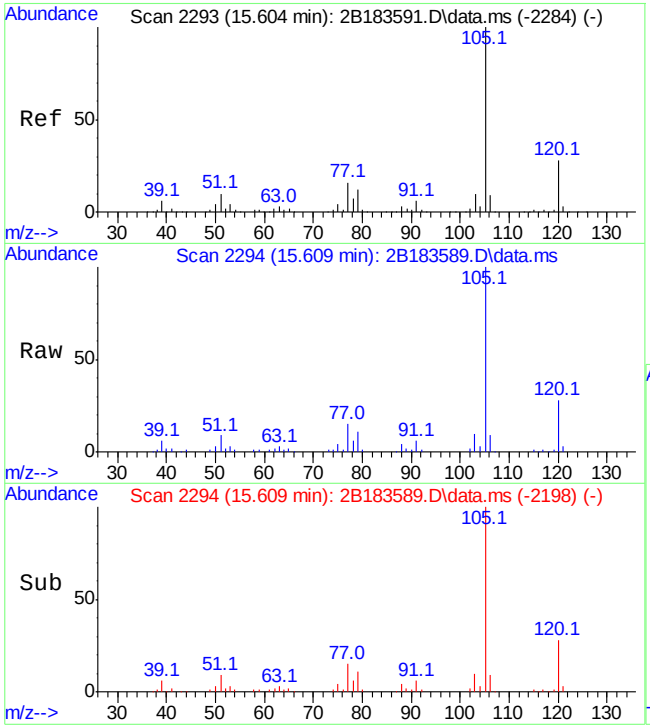


#94
butyl acrylate
Concen: 7.25 ug/L
RT: 15.064 min Scan# 2190
Delta R.T. 0.016 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 55 Resp: 35423

Ion	Ratio	Lower	Upper
55	100		
56	47.9	18.2	78.2
73	40.4	10.0	70.0
85	5.2	0.0	35.9

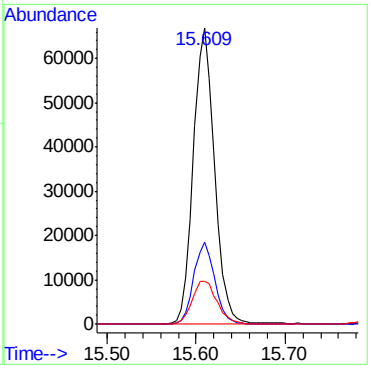


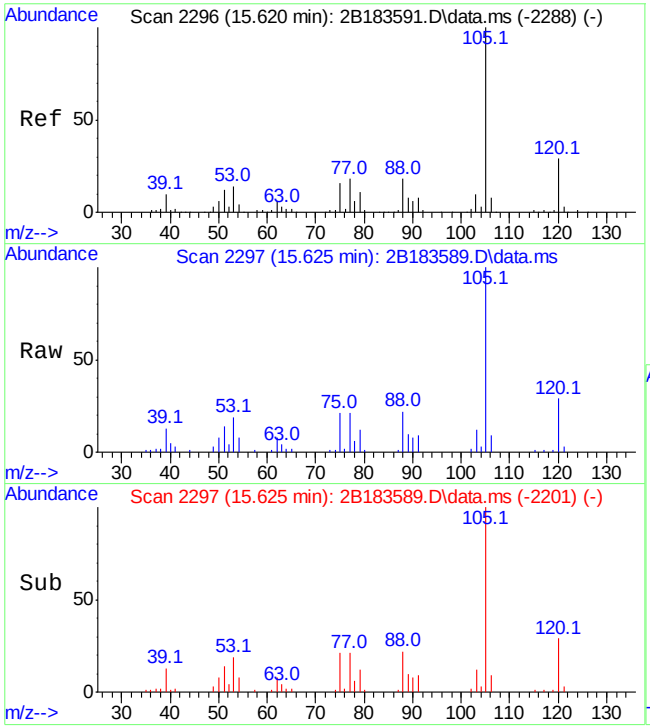


#95
isopropylbenzene
Concen: 7.65 ug/L
RT: 15.609 min Scan# 2294
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:105 Resp: 110532

Ion	Ratio	Lower	Upper
105	100		
120	27.7	7.6	47.6
77	14.6	0.0	35.7

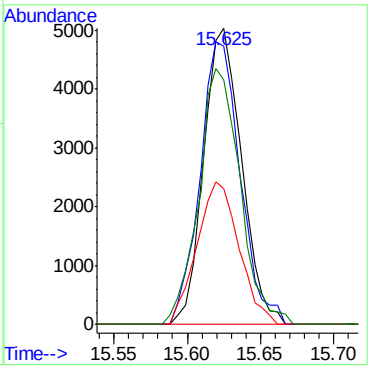


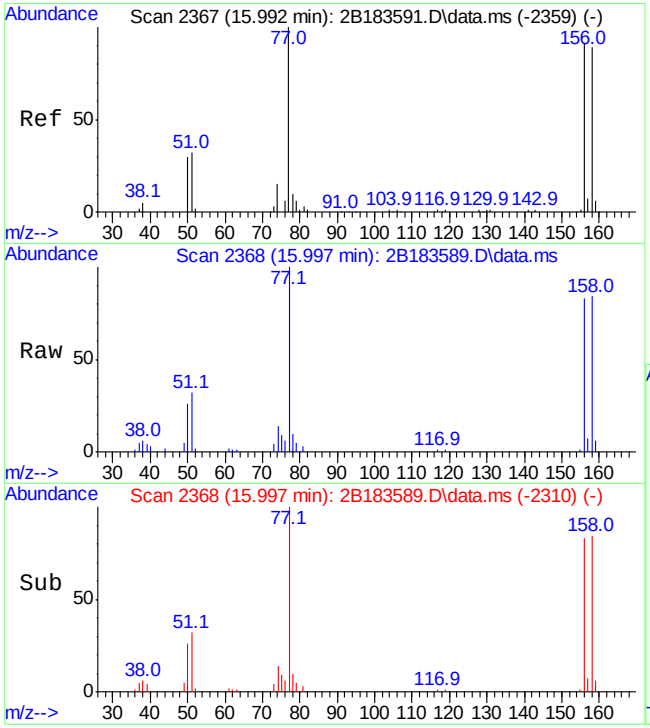


#96
cis-1,4-dichloro-2-butene
Concen: 7.42 ug/L
RT: 15.625 min Scan# 2297
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 88 Resp: 9044

Ion	Ratio	Lower	Upper
88	100		
75	94.0	74.3	114.3
89	46.0	26.9	66.9
53	82.6	62.3	102.3

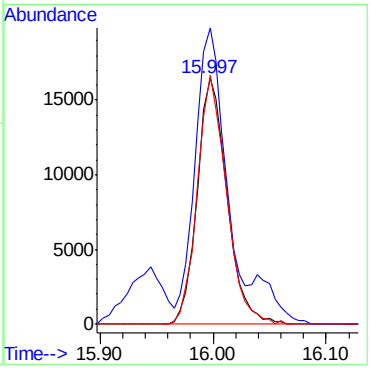


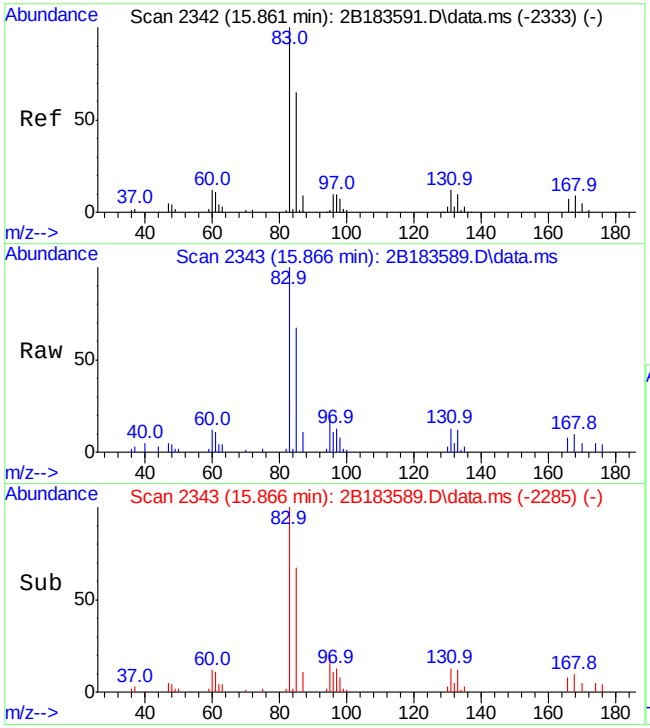


#99
bromobenzene
Concen: 7.45 ug/L
RT: 15.997 min Scan# 2368
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:156 Resp: 30009

Ion	Ratio	Lower	Upper
156	100		
77	117.8	94.4	154.4
158	101.1	68.2	128.2

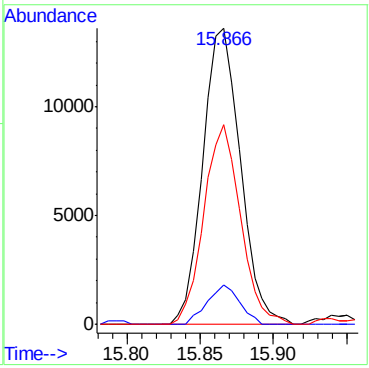


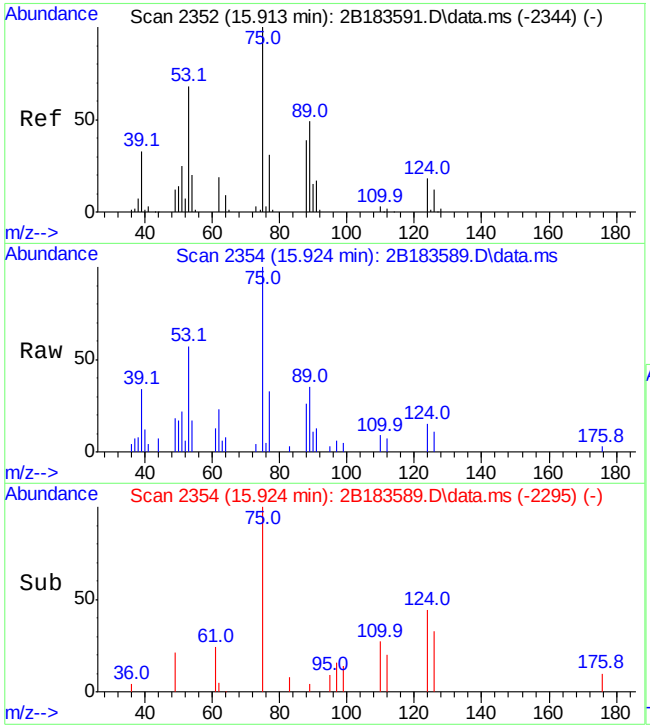


#100
1,1,2,2-tetrachloroethane
Concen: 7.32 ug/L
RT: 15.866 min Scan# 2343
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 83 Resp: 24259

Ion	Ratio	Lower	Upper
83	100		
131	13.2	0.0	41.6
85	67.3	34.8	94.8

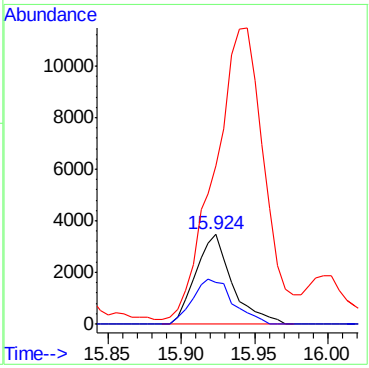


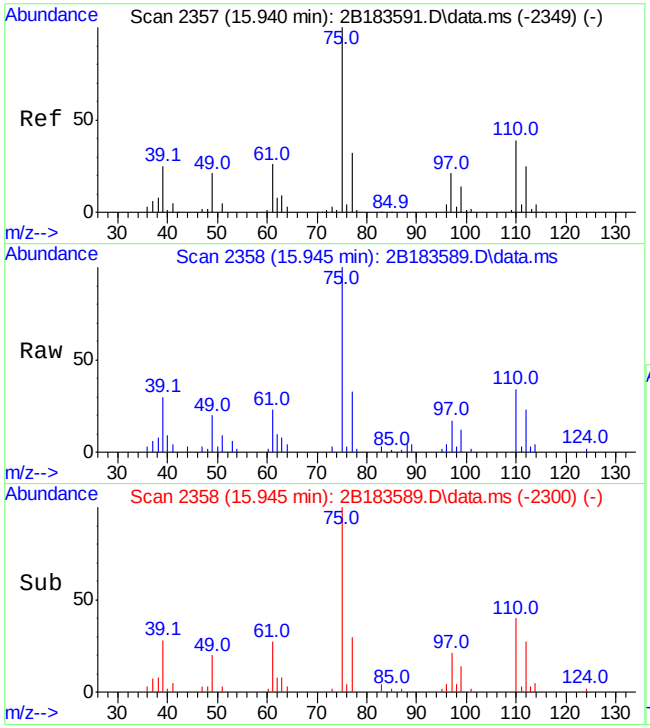


#101
trans-1,4-dichloro-2-butene
Concen: 7.04 ug/L
RT: 15.924 min Scan# 2354
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 53 Resp: 6058

Ion	Ratio	Lower	Upper
53	100		
88	46.5	26.5	86.5
75	170.1	116.8	176.8

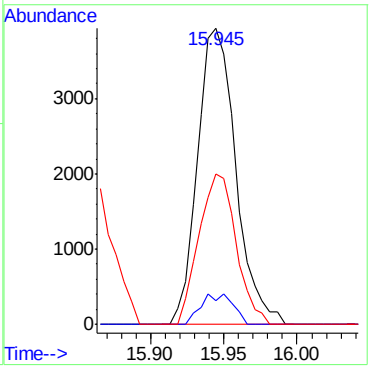


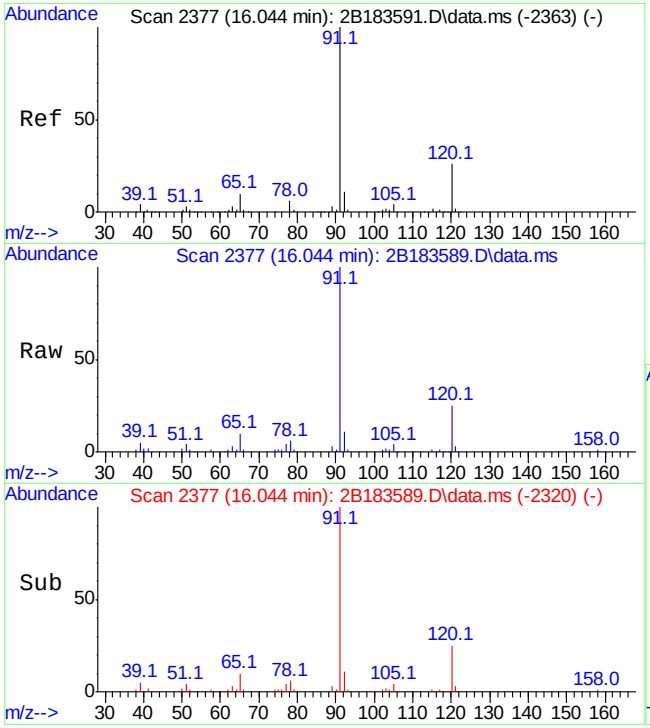


#102
1,2,3-trichloropropane
Concen: 7.45 ug/L
RT: 15.945 min Scan# 2358
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:110 Resp: 7160

Ion	Ratio	Lower	Upper
110	100		
111	7.9	0.0	40.7
97	50.9	23.2	83.2

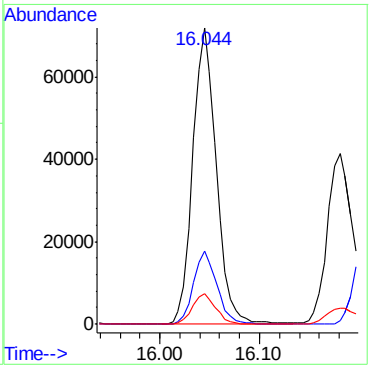


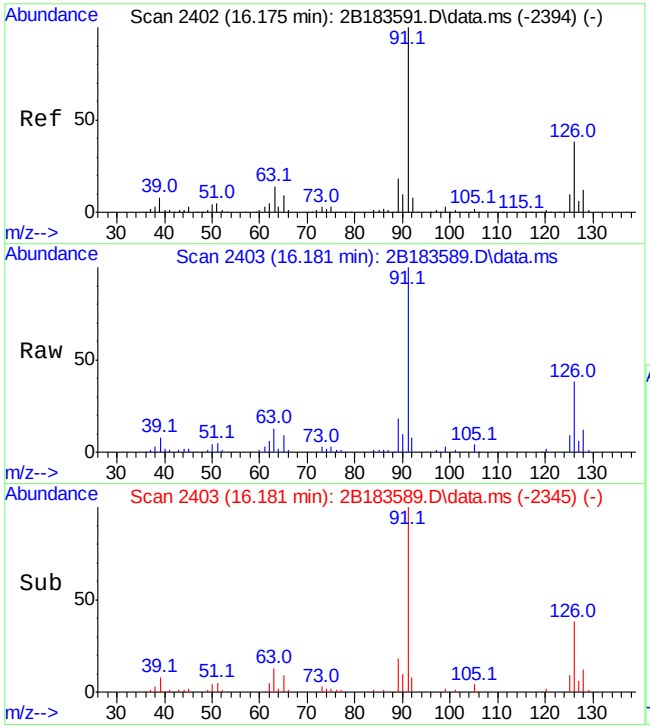


#103
n-propylbenzene
Concen: 7.63 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 91 Resp: 117653

Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	55.5
65	10.2	0.0	39.9

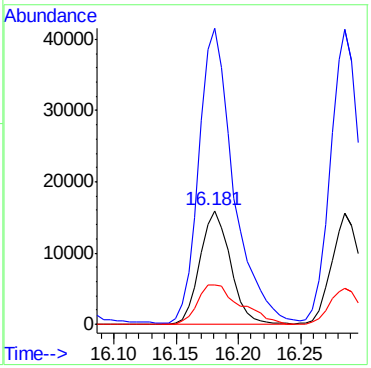


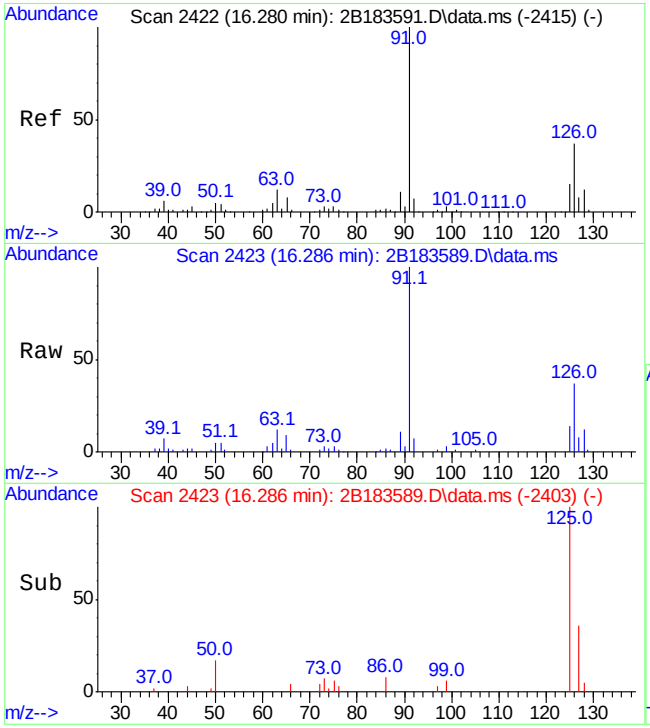


#104
2-chlorotoluene
Concen: 7.45 ug/L
RT: 16.181 min Scan# 2403
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:126 Resp: 27052

Ion	Ratio	Lower	Upper
126	100		
91	259.8	233.1	293.1
63	35.1	6.5	66.5

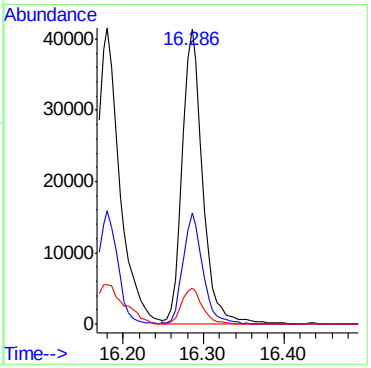


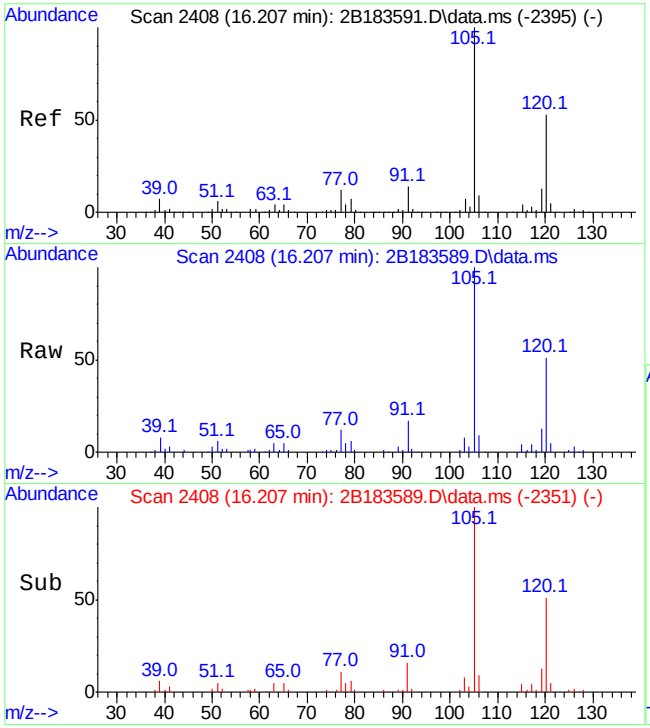


#105
4-chlorotoluene
Concen: 7.57 ug/L
RT: 16.286 min Scan# 2423
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 91 Resp: 73624

Ion	Ratio	Lower	Upper
91	100		
126	37.4	7.4	67.4
63	12.1	0.0	42.1

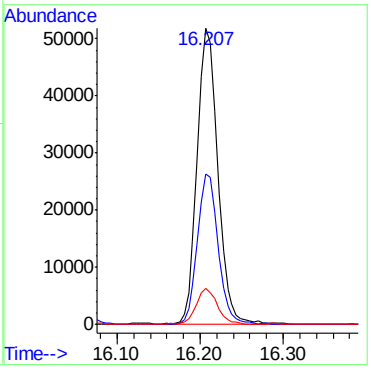


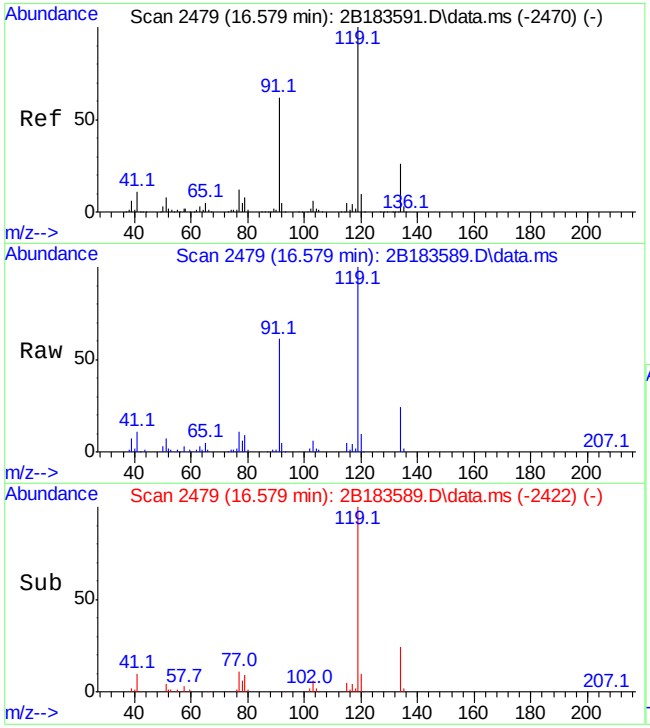


#106
1,3,5-trimethylbenzene
Concen: 7.67 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:105 Resp: 89462

Ion	Ratio	Lower	Upper
105	100		
120	50.7	22.7	82.7
77	12.1	0.0	42.1

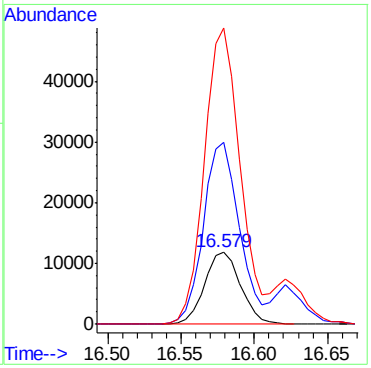


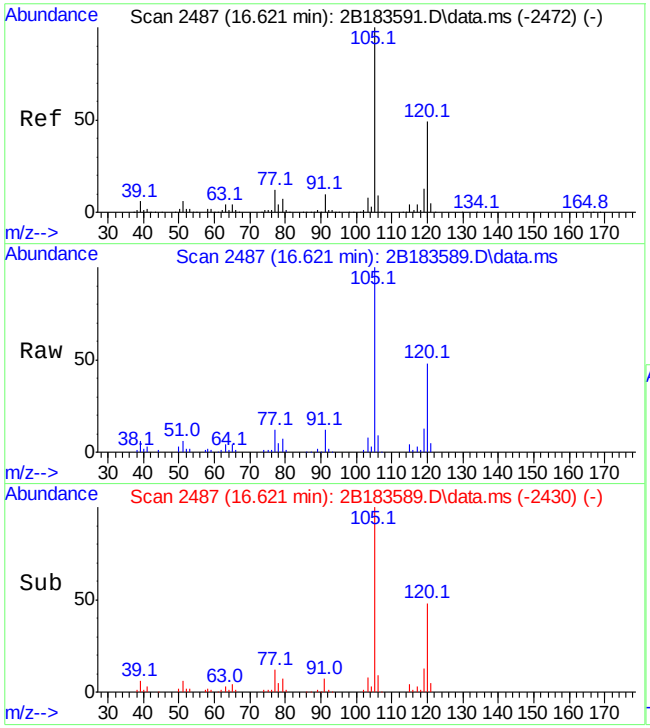


#107
tert-butylbenzene
Concen: 7.29 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:134 Resp: 20190

Ion	Ratio	Lower	Upper
134	100		
91	252.0	208.1	268.1
119	410.2	353.9	413.9

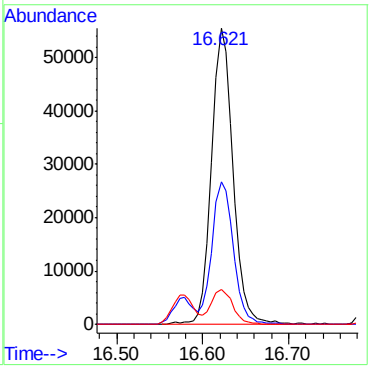


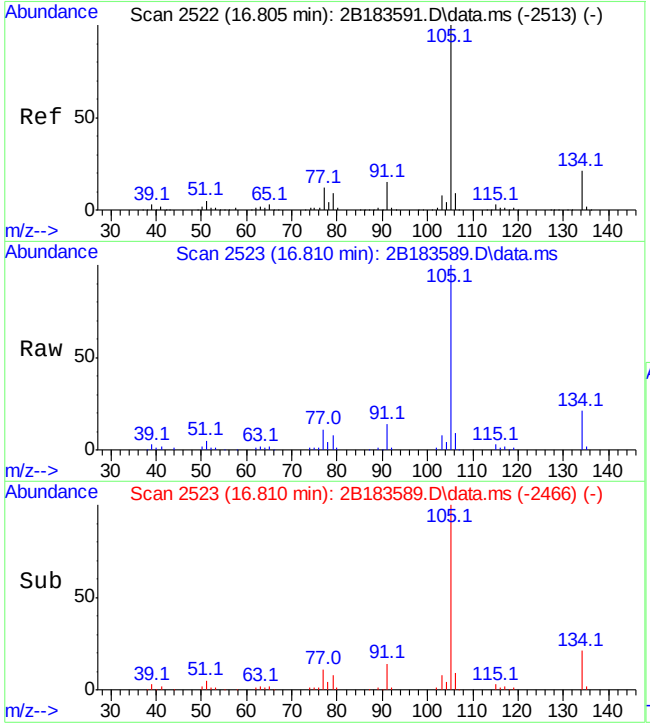


#108
1,2,4-trimethylbenzene
Concen: 7.69 ug/L
RT: 16.621 min Scan# 2487
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:105 Resp: 93269

Ion	Ratio	Lower	Upper
105	100		
120	48.2	19.5	79.5
77	11.6	0.0	41.6

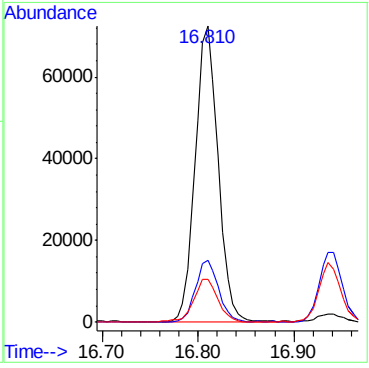


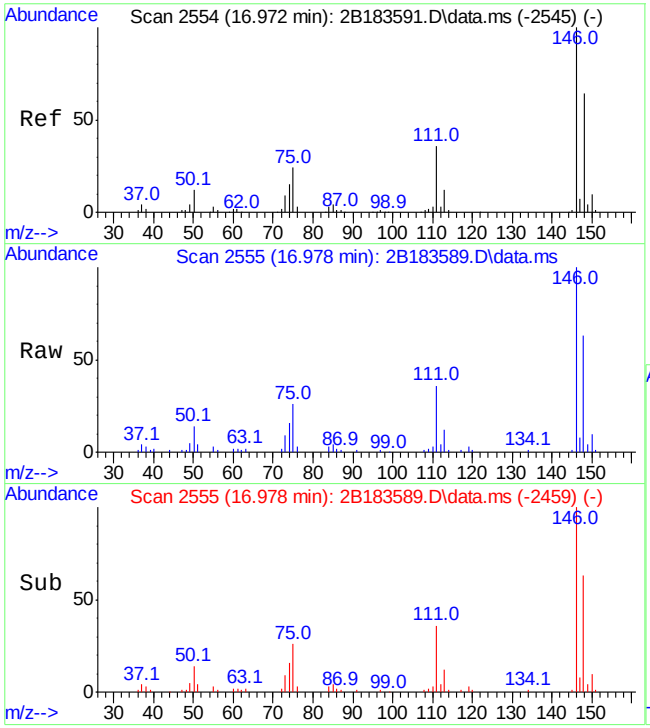


#109
sec-butylbenzene
Concen: 7.44 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:105 Resp: 119962

Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	50.9
91	14.4	0.0	44.9

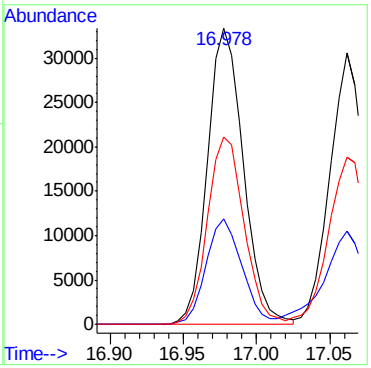


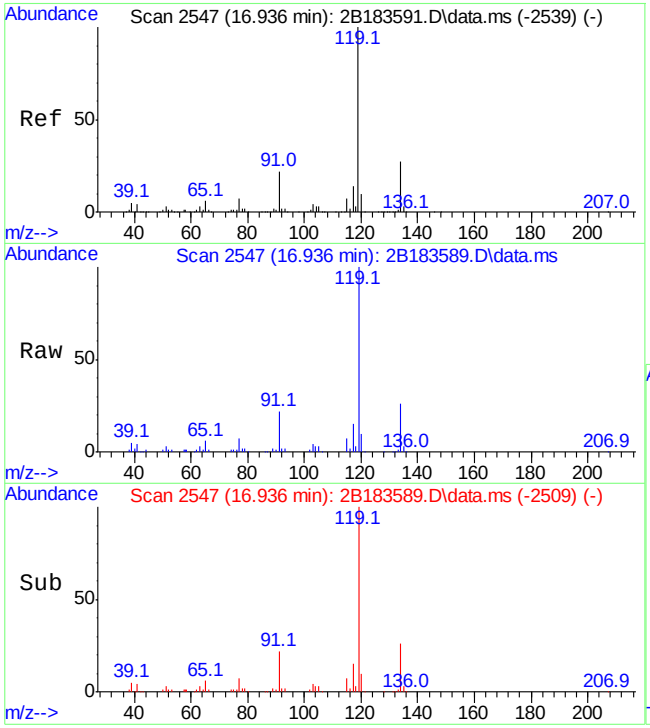


#110
1,3-dichlorobenzene
Concen: 7.46 ug/L
RT: 16.978 min Scan# 2555
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:146 Resp: 56570

Ion	Ratio	Lower	Upper
146	100		
111	35.8	6.0	66.0
148	63.2	34.1	94.1

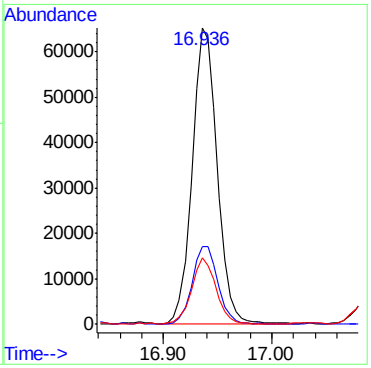


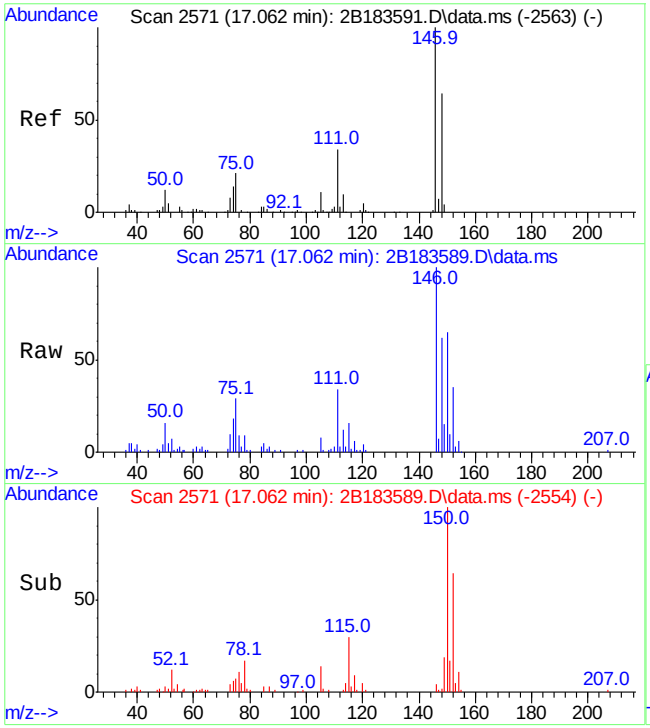


#111
p-isopropyltoluene
Concen: 7.44 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:119 Resp: 105144

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	57.3
91	22.5	0.0	51.8

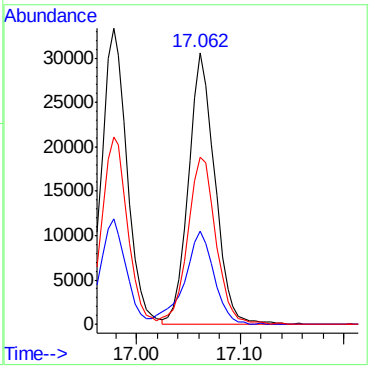


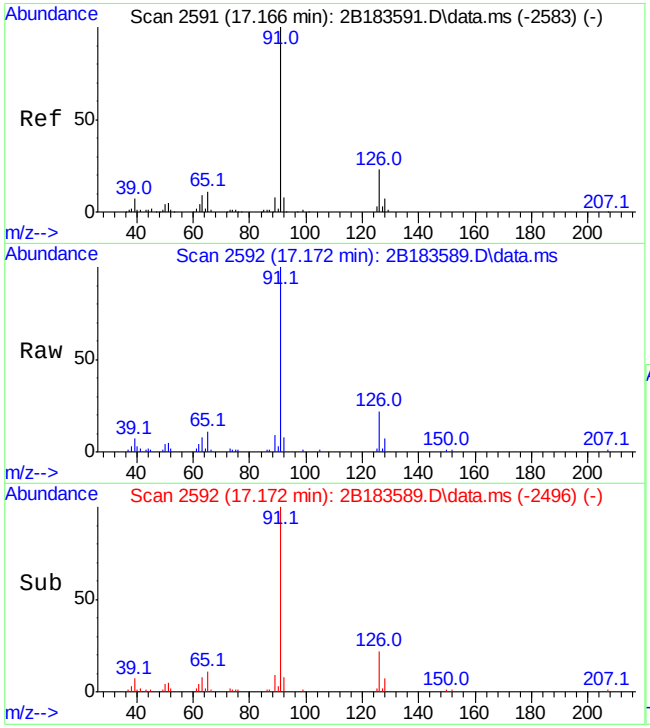


#112
1,4-dichlorobenzene
Concen: 7.28 ug/L
RT: 17.062 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:146 Resp: 54121

Ion	Ratio	Lower	Upper
146	100		
111	34.1	4.0	64.0
148	61.7	34.3	94.3

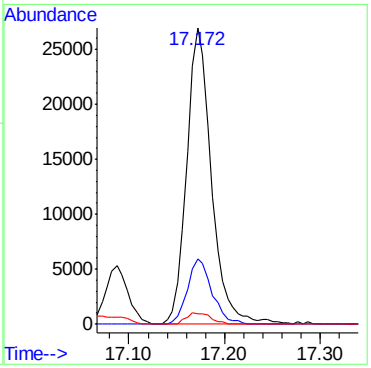


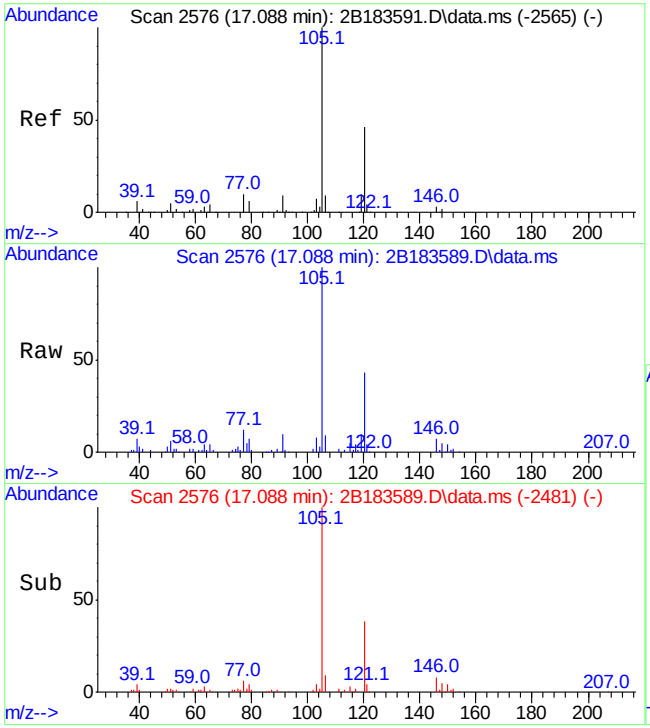


#113
benzyl chloride
Concen: 7.09 ug/L
RT: 17.172 min Scan# 2592
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 91 Resp: 48190

Ion	Ratio	Lower	Upper
91	100		
126	22.1	0.0	52.7
62	3.6	0.0	34.0

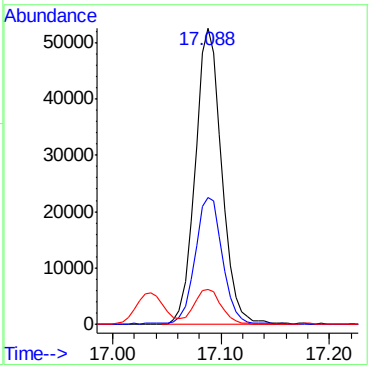


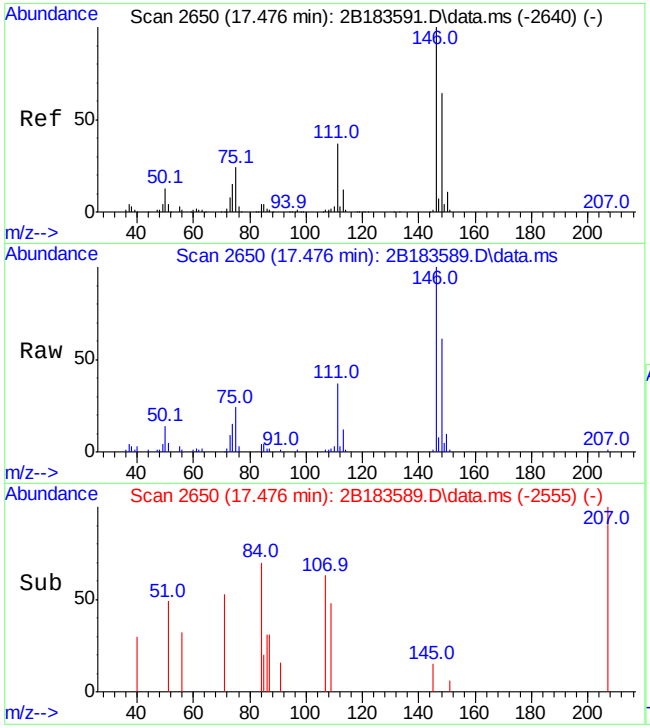


#114
1,2,3-trimethylbenzene
Concen: 7.56 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:105 Resp: 89629

Ion	Ratio	Lower	Upper
105	100		
120	42.9	16.3	76.3
77	11.6	0.0	41.7

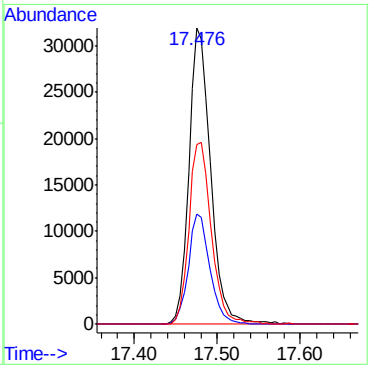


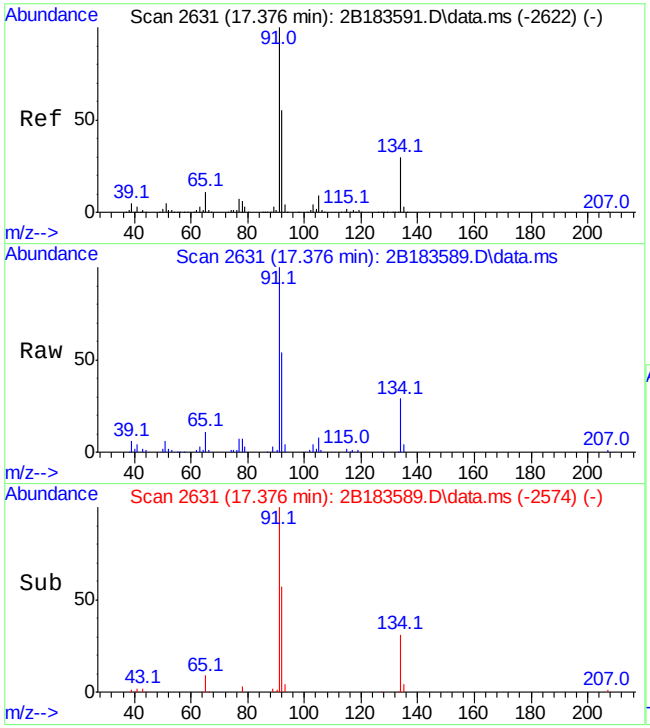


#115
1,2-dichlorobenzene
Concen: 7.64 ug/L
RT: 17.476 min Scan# 2650
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:146 Resp: 57786

Ion	Ratio	Lower	Upper
146	100		
111	37.1	6.6	66.6
148	60.5	34.3	94.3

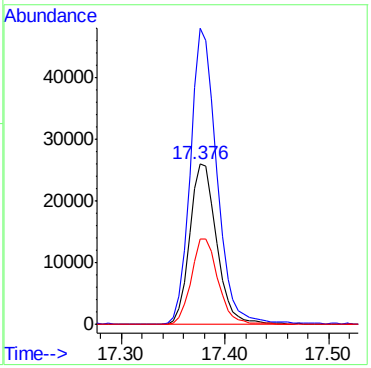


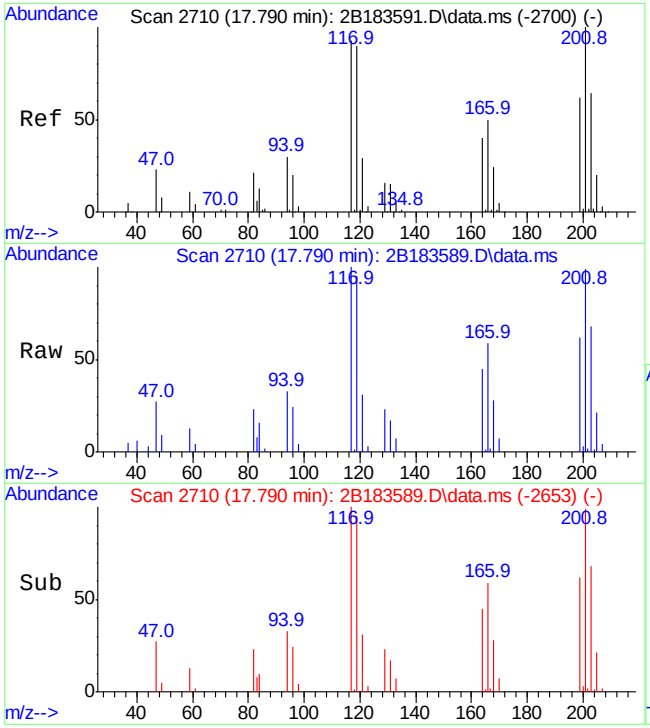


#116
n-butylbenzene
Concen: 7.04 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 92 Resp: 46793

Ion	Ratio	Lower	Upper
92	100		
91	185.2	150.9	210.9
134	53.4	23.6	83.6

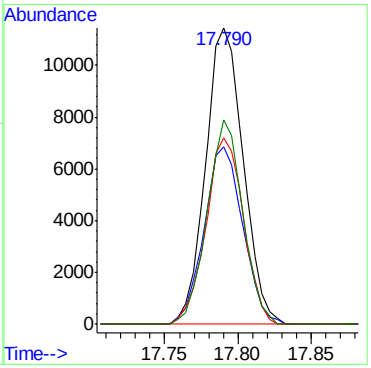


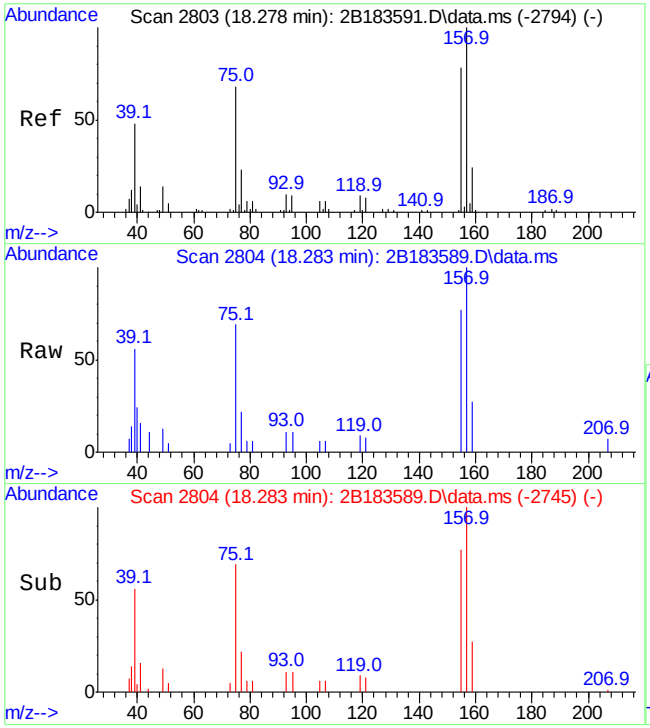


#117
hexachloroethane
Concen: 6.93 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:201 Resp: 20323

Ion	Ratio	Lower	Upper
201	100		
166	60.0	30.5	70.5
199	63.1	42.1	82.1
203	68.8	44.3	84.3

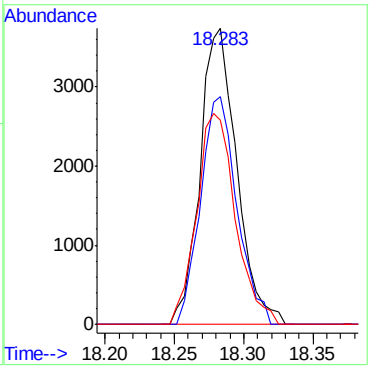


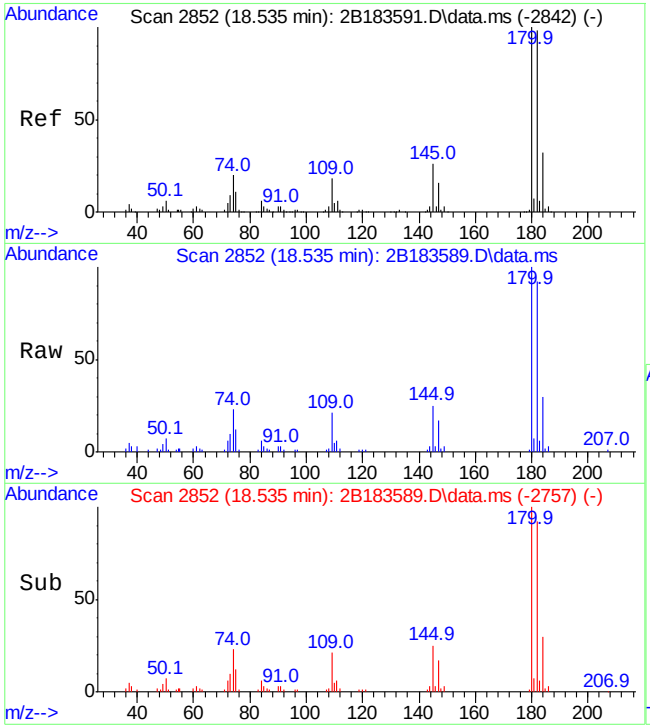


#118
1,2-dibromo-3-chloropropane
Concen: 6.76 ug/L
RT: 18.283 min Scan# 2804
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:157 Resp: 6920

Ion	Ratio	Lower	Upper
157	100		
155	76.8	47.6	107.6
75	68.8	38.4	98.4

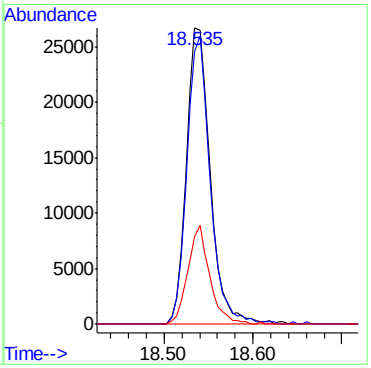


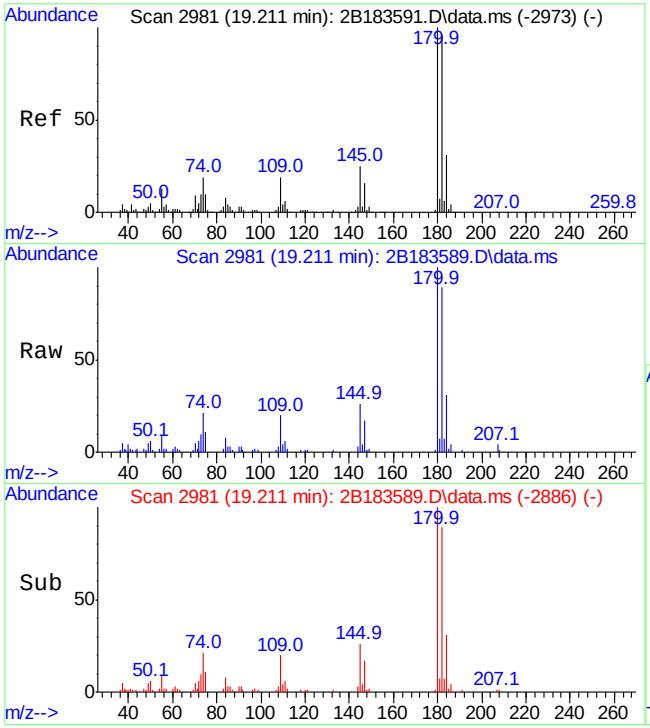


#119
1,3,5-trichlorobenzene
Concen: 7.40 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:180 Resp: 49432

Ion	Ratio	Lower	Upper
180	100		
182	92.2	67.9	127.9
184	29.7	1.5	61.5

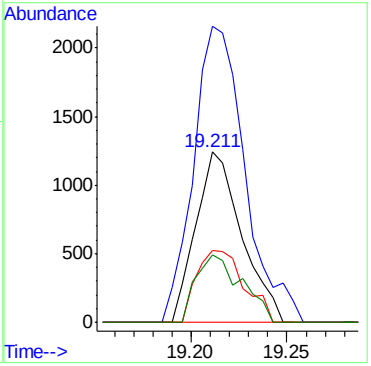


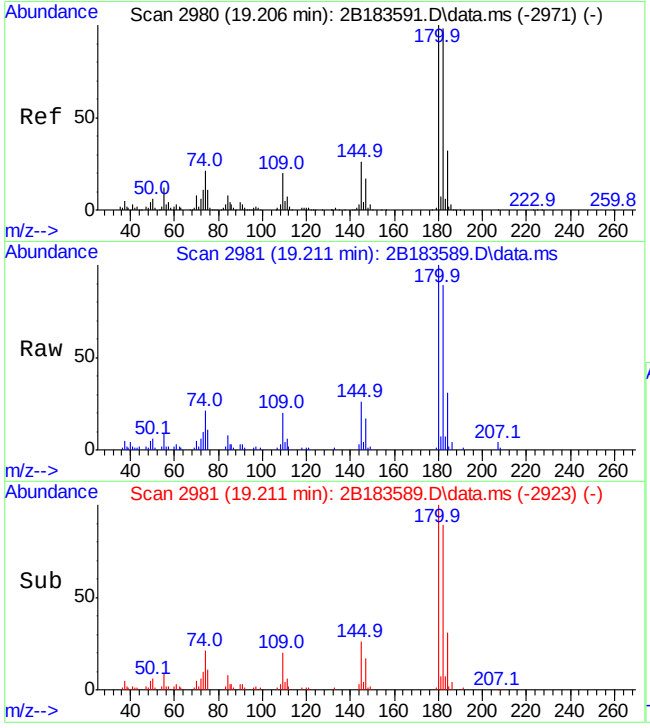


#120
2-ethylhexyl acrylate
Concen: 1.45 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion: 70 Resp: 2064

Ion	Ratio	Lower	Upper
70	100		
55	173.7	127.3	167.3#
83	42.0	16.1	56.1
112	39.6	7.1	47.1

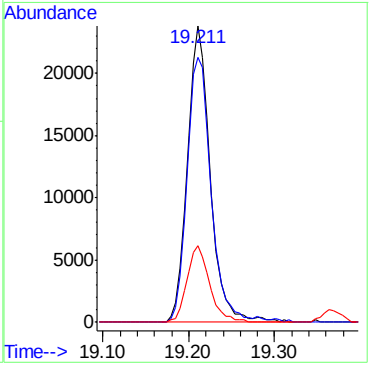


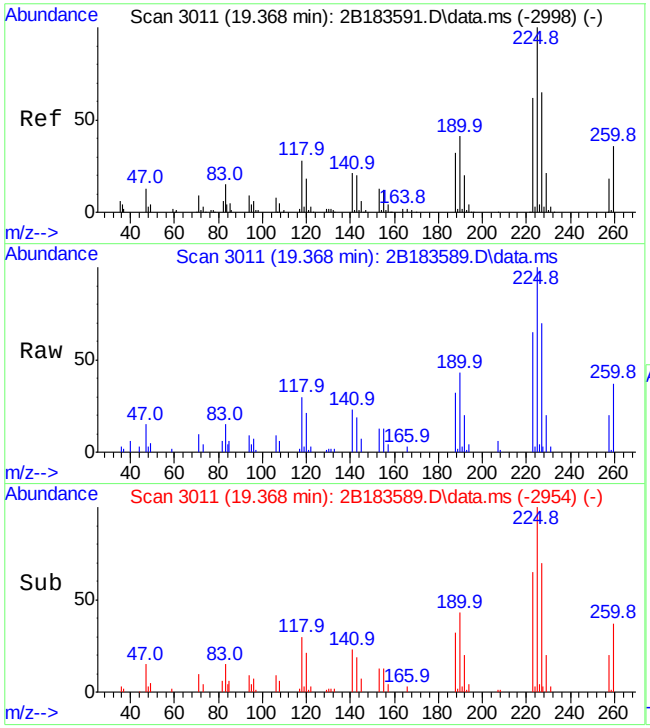


#121
1,2,4-trichlorobenzene
Concen: 7.22 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:180 Resp: 43627

Ion	Ratio	Lower	Upper
180	100		
182	89.3	68.2	128.2
145	25.9	0.0	56.2

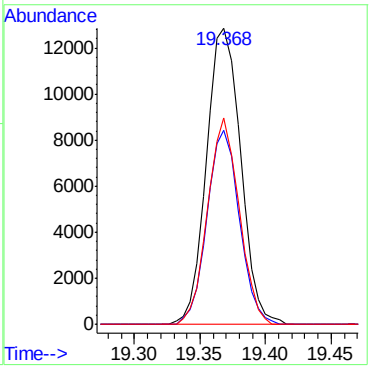


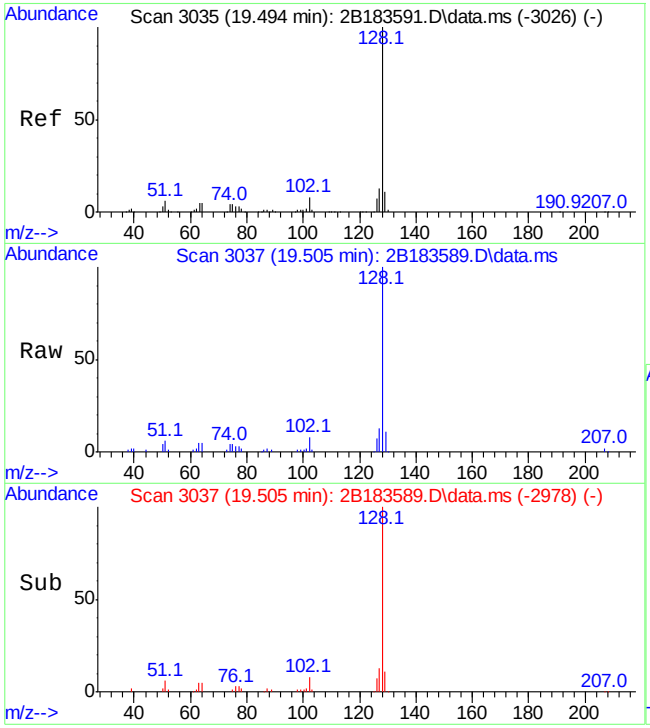


#122
hexachlorobutadiene
Concen: 7.50 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:225 Resp: 23279

Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.1	92.1
227	69.9	34.7	94.7

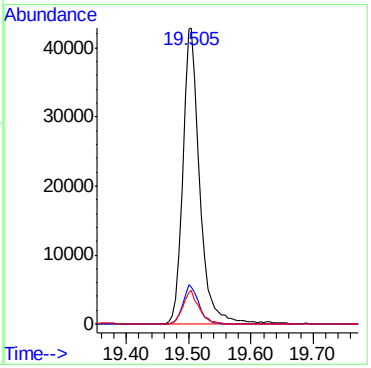


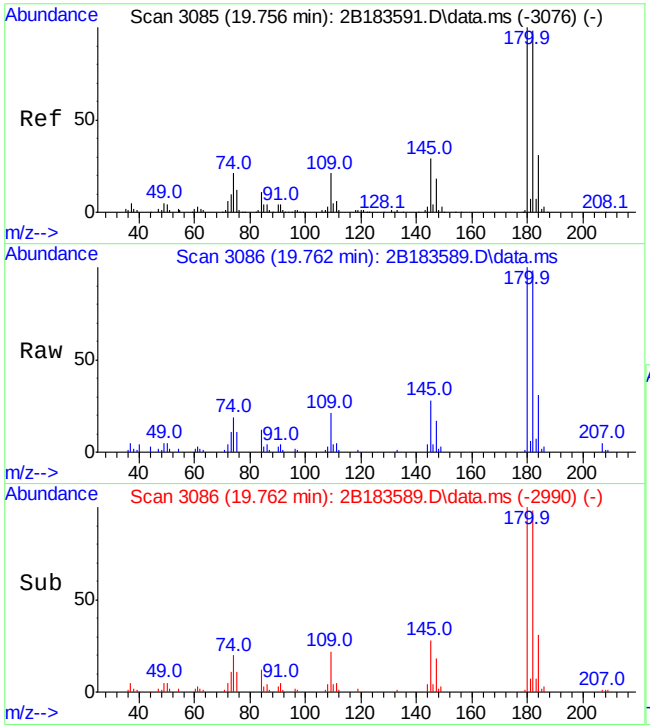


#123
naphthalene
Concen: 7.14 ug/L
RT: 19.505 min Scan# 3037
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:128 Resp: 82455

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.6
129	11.5	0.0	41.2

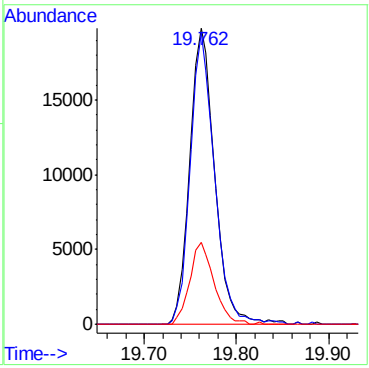


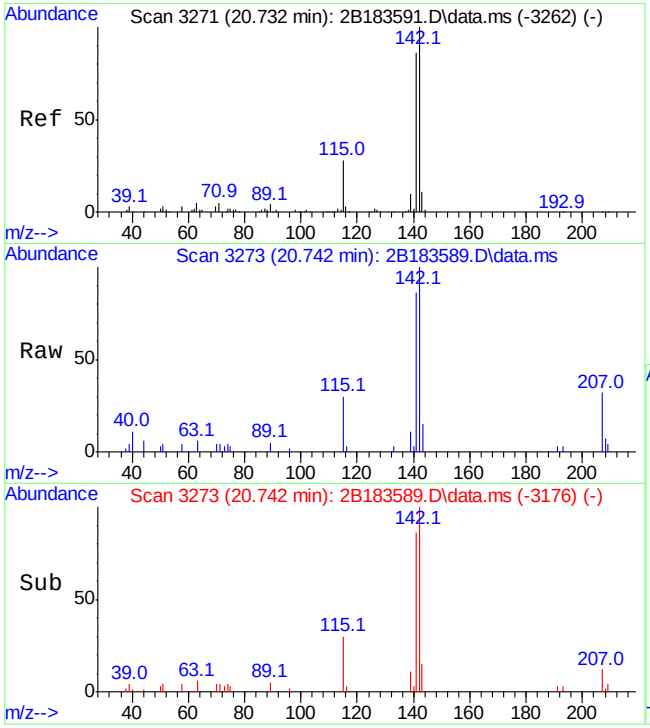


#124
1,2,3-trichlorobenzene
Concen: 7.29 ug/L
RT: 19.762 min Scan# 3086
Delta R.T. 0.005 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:180 Resp: 37237

Ion	Ratio	Lower	Upper
180	100		
182	98.3	68.2	128.2
145	27.7	0.0	58.6

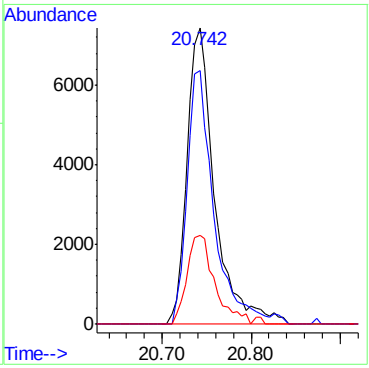




#125
2-methylnaphthalene
Concen: 3.52 ug/L
RT: 20.742 min Scan# 3273
Delta R.T. 0.011 min
Lab File: 2B183589.D
Acq: 16 Jun 21 8:22 pm

Tgt Ion:142 Resp: 15954

Ion	Ratio	Lower	Upper
142	100		
141	85.6	66.0	106.0
115	30.1	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183590.D
Acq On : 16 Jun 2021 8:51 pm
Operator : thienn
Sample : ic8337-20
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 18:50:17 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.739	65	123412	500.00	ug/L	-0.01
5) pentafluorobenzene	10.256	168	344008	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	466125	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	450299	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.035	152	240810	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	151395	49.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.50%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	164135	50.81	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.62%			
74) toluene-d8 (s)	12.951	98	543828	50.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.18%			
98) 4-bromofluorobenzene (s)	15.787	95	202116	50.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.36%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.881	59	29865	109.19	ug/L	99
3) ethanol	6.340	45	52272	2235.70	ug/L	97
4) 1,4-dioxane	11.939	88	12844	568.06	ug/L	95
6) chlorodifluoromethane	4.148	51	94328	22.29	ug/L	99
7) dichlorodifluoromethane	4.137	85	131716	23.23	ug/L	98
8) chloromethane	4.546	50	116149	21.38	ug/L	98
9) vinyl chloride	4.798	62	112146	22.72	ug/L	99
10) 1,3-butadiene	4.824	54	76230	22.35	ug/L	97
11) bromomethane	5.448	94	75946	21.36	ug/L	98
12) chloroethane	5.621	64	52457	21.47	ug/L	99
13) trichlorofluoromethane	6.114	101	129694	21.96	ug/L	95
14) ethyl ether	6.607	74	32085	21.89	ug/L	97
15) acrolein	6.817	56	9386	21.29	ug/L	86
16) freon 113	7.068	151	67837	22.72	ug/L	98
17) 1,1-dichloroethene	7.037	96	55098	21.47	ug/L	100
18) acetone	7.047	43	60614	93.25	ug/L	98
19) acetonitrile	7.467	41	59715	218.18	ug/L	97
20) iodomethane	7.299	142	120640	21.12	ug/L	99
21) carbon disulfide	7.467	76	187172	21.36	ug/L	99
22) methylene chloride	7.781	84	60003	21.77	ug/L	100
23) methyl acetate	7.614	43	39022	23.31	ug/L	99
24) methyl tert butyl ether	8.237	73	181848	22.04	ug/L	99
25) trans-1,2-dichloroethene	8.248	96	59358	21.33	ug/L	97
26) di-isopropyl ether	8.935	45	184373	21.94	ug/L	99
27) 2-butanone	9.606	72	22261	89.43	ug/L	97
28) 1,1-dichloroethane	8.840	63	101272	21.68	ug/L	96
29) chloroprene	8.998	53	78709	21.85	ug/L	98
30) acrylonitrile	8.138	52	12957	20.85	ug/L	94
31) hexane	8.678	56	44207	21.49	ug/L	98
32) vinyl acetate	8.877	86	10183	20.11	ug/L #	92
33) ethyl tert-butyl ether	9.433	59	201210	21.93	ug/L	99
34) ethyl acetate	9.685	45	6988	22.32	ug/L #	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183590.D
Acq On : 16 Jun 2021 8:51 pm
Operator : thienn
Sample : ic8337-20
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 18:50:17 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) 2,2-dichloropropane	9.674	77	94321	21.40	ug/L		96
36) cis-1,2-dichloroethene	9.643	96	63464	21.52	ug/L		98
37) methyl acrylate	9.763	55	43635	22.28	ug/L		96
38) propionitrile	9.643	54	68313	229.22	ug/L		98
39) bromochloromethane	9.952	128	35243	21.01	ug/L		95
40) tetrahydrofuran	10.046	72	6463	22.24	ug/L		98
41) chloroform	10.031	85	68702	20.19	ug/L		95
42) t-butyl formate	10.114	59	48127	21.05	ug/L		95
44) methacrylonitrile	9.884	67	21144	22.01	ug/L		93
45) 1,1,1-trichloroethane	10.345	97	99062	21.65	ug/L		99
46) cyclohexane	10.466	84	89732	22.09	ug/L		99
47) 1,1-dichloropropene	10.544	75	75806	21.30	ug/L		100
48) iso-butyl alcohol	10.518	43	16935	209.97	ug/L		97
49) carbon tetrachloride	10.581	117	90974	21.23	ug/L		98
50) tert amyl alcohol	10.665	55	9651	113.78	ug/L		97
53) n-butyl alcohol	11.315	56	62450	1107.24	ug/L		98
54) 2,2,4-trimethylpentane	10.906	57	200980	21.50	ug/L		99
55) benzene	10.801	78	214810	21.75	ug/L		99
56) tert-amyl methyl ether	10.896	87	45721	21.42	ug/L		98
57) heptane	11.095	71	45705	21.69	ug/L		98
58) isopropyl acetate	10.759	87	11519	21.86	ug/L	#	91
59) 1,2-dichloroethane	10.770	62	78691	20.84	ug/L		99
60) trichloroethene	11.567	130	68214	21.21	ug/L		98
61) ethyl acrylate	11.588	55	61133	22.33	ug/L		93
62) 2-nitropropane	12.306	41	14585	20.77	ug/L		95
63) 2-chloroethyl vinyl ether	12.385	63	177721	113.36	ug/L		99
64) methyl methacrylate	11.871	100	14059	22.88	ug/L	#	37
65) 1,2-dichloropropane	11.808	63	57413	21.49	ug/L		99
66) dibromomethane	11.950	93	37825	21.20	ug/L		96
67) methylcyclohexane	11.845	83	112097	22.42	ug/L		97
68) bromodichloromethane	12.102	83	82043	21.62	ug/L		100
69) epichlorohydrin	12.474	57	25793	108.56	ug/L		98
70) cis-1,3-dichloropropene	12.605	75	97656	21.69	ug/L		98
71) 4-methyl-2-pentanone	12.726	58	81958	89.68	ug/L		99
72) 3-methyl-1-butanol	12.741	70	25738	474.11	ug/L		97
75) toluene	13.030	92	140536	21.85	ug/L		94
76) trans-1,3-dichloropropene	13.197	75	86121	22.39	ug/L		99
77) ethyl methacrylate	13.250	69	69510	22.31	ug/L		98
78) 1,1,2-trichloroethane	13.412	83	43855	22.01	ug/L		99
79) tetrachloroethene	13.669	164	60279	21.54	ug/L		97
80) 1,3-dichloropropane	13.612	76	87064	21.54	ug/L		99
81) 2-hexanone	13.638	58	71600	91.79	ug/L		97
82) butyl acetate	13.753	56	32747	22.00	ug/L		99
83) dibromochloromethane	13.889	129	71379	21.92	ug/L		98
84) 1,2-dibromoethane	14.057	107	57645	21.88	ug/L		98
85) n-butyl ether	14.576	57	219822	22.09	ug/L		98
86) chlorobenzene	14.587	112	168083	21.98	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.644	131	69184	21.69	ug/L		97
88) ethylbenzene	14.671	91	270630	21.93	ug/L		99
89) m,p-xylene	14.791	106	219450	44.02	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183590.D
Acq On : 16 Jun 2021 8:51 pm
Operator : thienn
Sample : ic8337-20
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 18:50:17 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

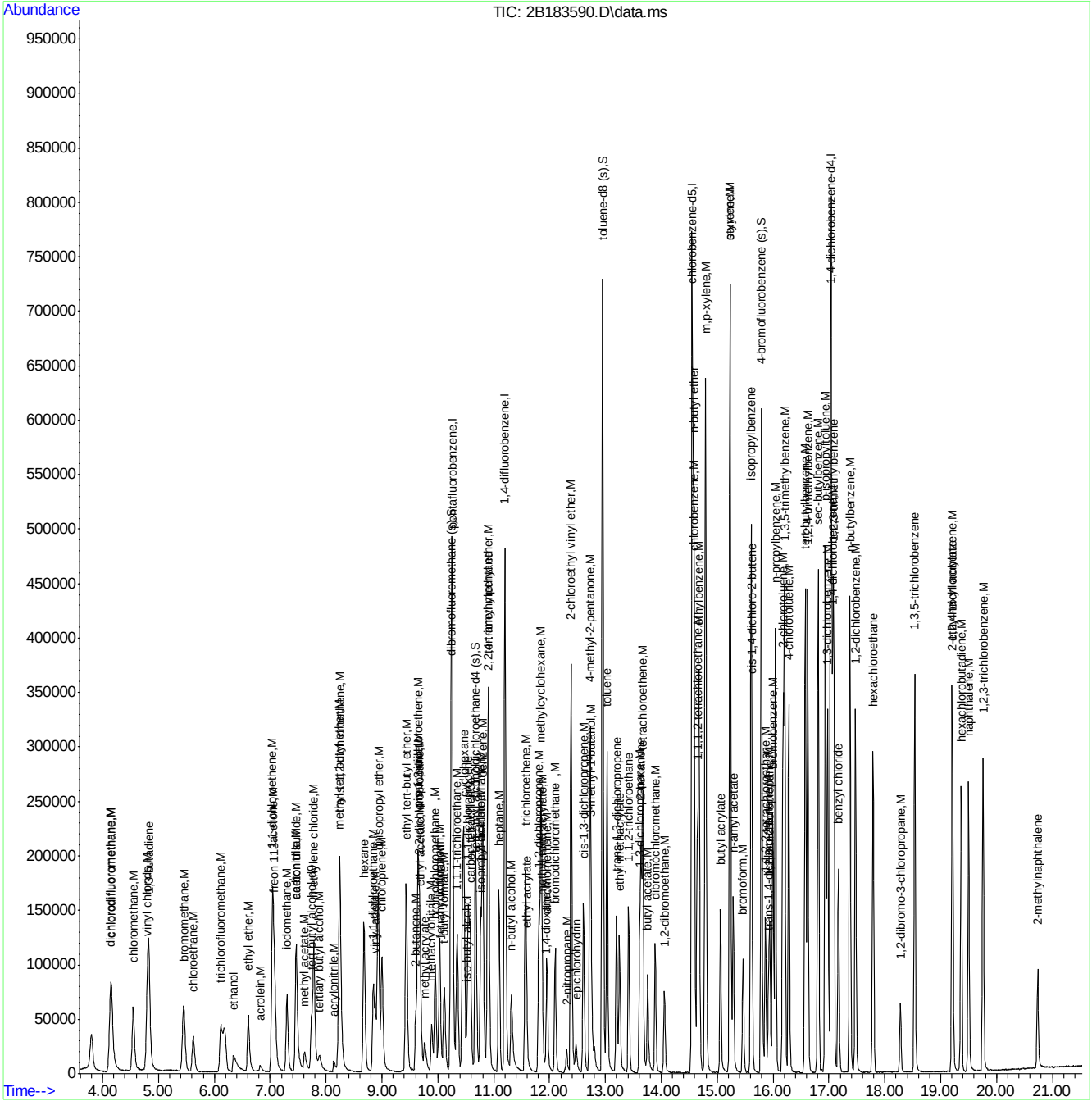
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	o-xylene	15.232	106	119511	22.50	ug/L	99
91)	styrene	15.232	104	192038	22.63	ug/L	98
92)	n-amyl acetate	15.284	70	38879	22.22	ug/L	98
93)	bromoform	15.462	173	55234	21.55	ug/L	98
94)	butyl acrylate	15.053	55	108672	22.19	ug/L	98
95)	isopropylbenzene	15.609	105	320354	22.11	ug/L	100
96)	cis-1,4-dichloro-2-butene	15.620	88	26839	21.97	ug/L	98
99)	bromobenzene	15.997	156	86174	22.02	ug/L	97
100)	1,1,2,2-tetrachloroethane	15.861	83	71763	22.27	ug/L	99
101)	trans-1,4-dichloro-2-b...	15.913	53	18873	22.57	ug/L	96
102)	1,2,3-trichloropropane	15.940	110	20581	22.03	ug/L	97
103)	n-propylbenzene	16.044	91	336400	22.45	ug/L	99
104)	2-chlorotoluene	16.181	126	77703	22.00	ug/L	96
105)	4-chlorotoluene	16.280	91	203327	21.49	ug/L	99
106)	1,3,5-trimethylbenzene	16.207	105	256124	22.61	ug/L	99
107)	tert-butylbenzene	16.579	134	59506	22.10	ug/L	93
108)	1,2,4-trimethylbenzene	16.621	105	265970	22.56	ug/L	98
109)	sec-butylbenzene	16.810	105	351624	22.43	ug/L	99
110)	1,3-dichlorobenzene	16.978	146	157784	21.42	ug/L	98
111)	p-isopropyltoluene	16.936	119	306119	22.28	ug/L	100
112)	1,4-dichlorobenzene	17.061	146	154984	21.44	ug/L	99
113)	benzyl chloride	17.172	91	149732	22.67	ug/L	98
114)	1,2,3-trimethylbenzene	17.088	105	261165	22.66	ug/L	98
115)	1,2-dichlorobenzene	17.476	146	166457	22.63	ug/L	99
116)	n-butylbenzene	17.376	92	141791	21.95	ug/L	99
117)	hexachloroethane	17.790	201	62511	21.93	ug/L	96
118)	1,2-dibromo-3-chloropr...	18.278	157	22421	22.52	ug/L	95
119)	1,3,5-trichlorobenzene	18.535	180	149148	22.98	ug/L	99
120)	2-ethylhexyl acrylate	19.211	70	8462	3.89	ug/L	89
121)	1,2,4-trichlorobenzene	19.206	180	133058	22.65	ug/L	96
122)	hexachlorobutadiene	19.368	225	67241	22.30	ug/L	100
123)	naphthalene	19.500	128	256766	22.86	ug/L	99
124)	1,2,3-trichlorobenzene	19.762	180	115466	23.27	ug/L	95
125)	2-methylnaphthalene	20.737	142	56436	9.99	ug/L	97

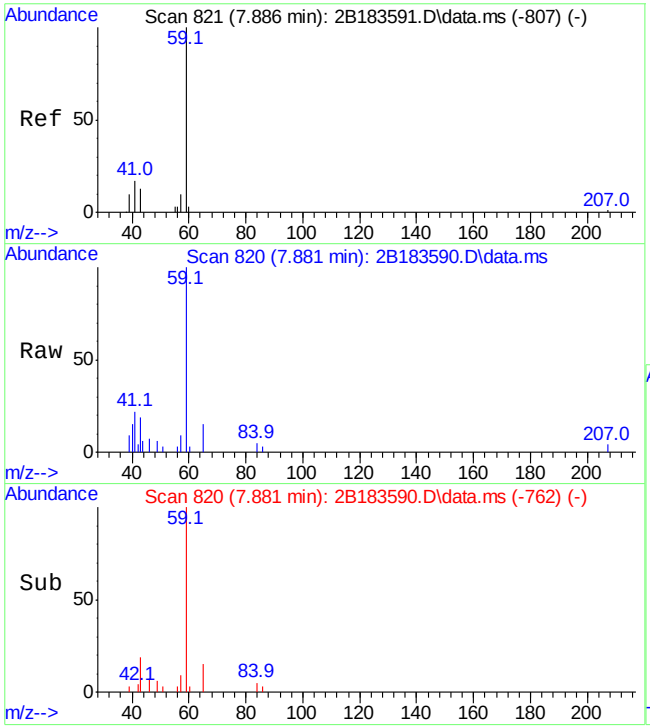
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183590.D
Acq On : 16 Jun 2021 8:51 pm
Operator : thienn
Sample : ic8337-20
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 17 18:50:17 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

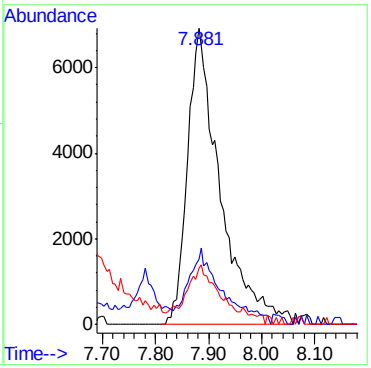


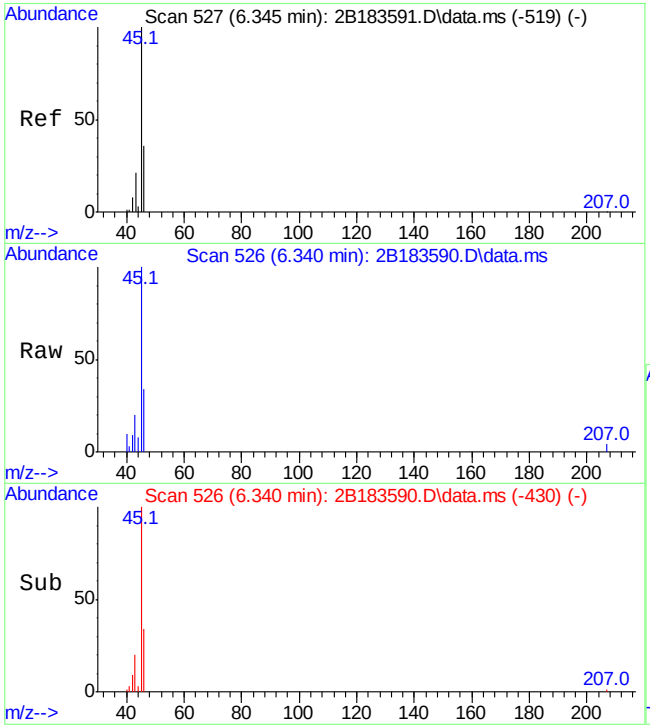


#2
tertiary butyl alcohol
Concen: 109.19 ug/L
RT: 7.881 min Scan# 820
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 59 Resp: 29865

Ion	Ratio	Lower	Upper
59	100		
41	22.0	0.0	52.7
43	16.7	0.0	46.6

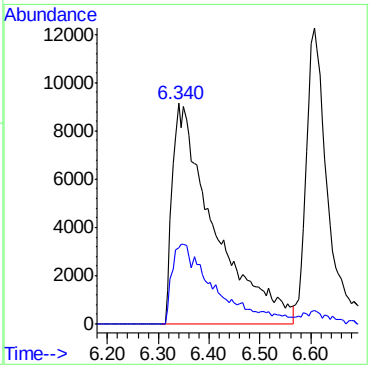


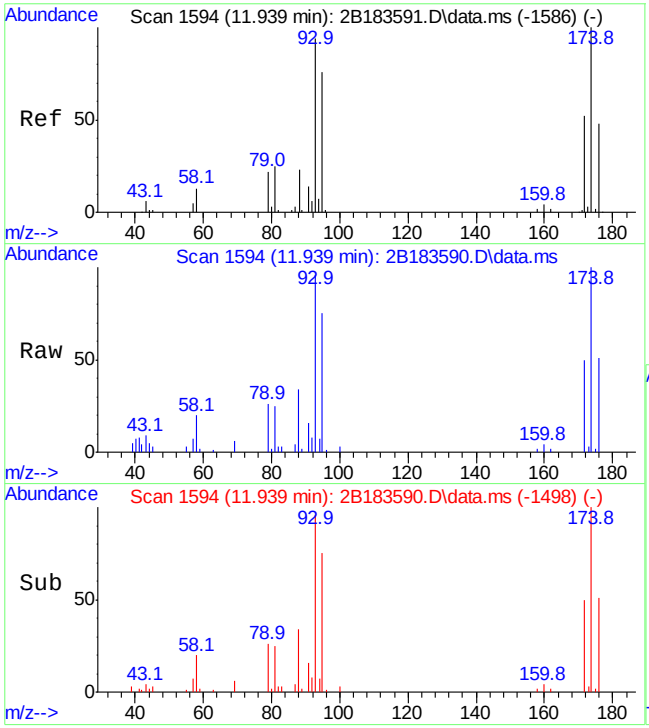


#3
ethanol
Concen: 2235.70 ug/L
RT: 6.340 min Scan# 526
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 45 Resp: 52272

Ion	Ratio	Lower	Upper
45	100		
46	34.4	6.1	66.1

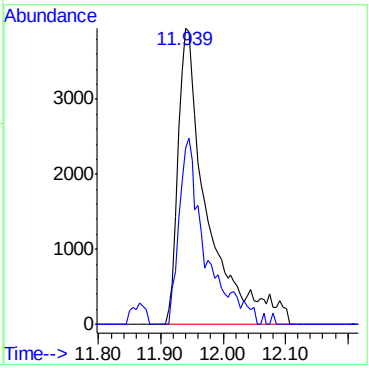


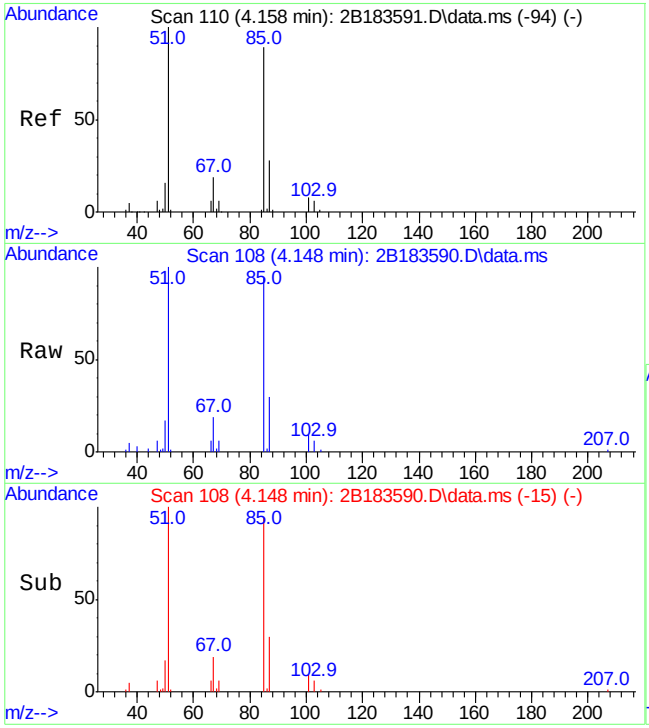


#4
1,4-dioxane
Concen: 568.06 ug/L
RT: 11.939 min Scan# 1594
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 88 Resp: 12844

Ion	Ratio	Lower	Upper
88	100		
58	59.5	25.6	85.6

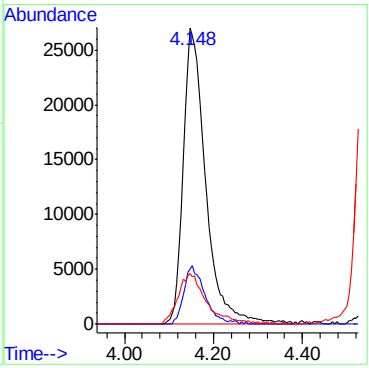


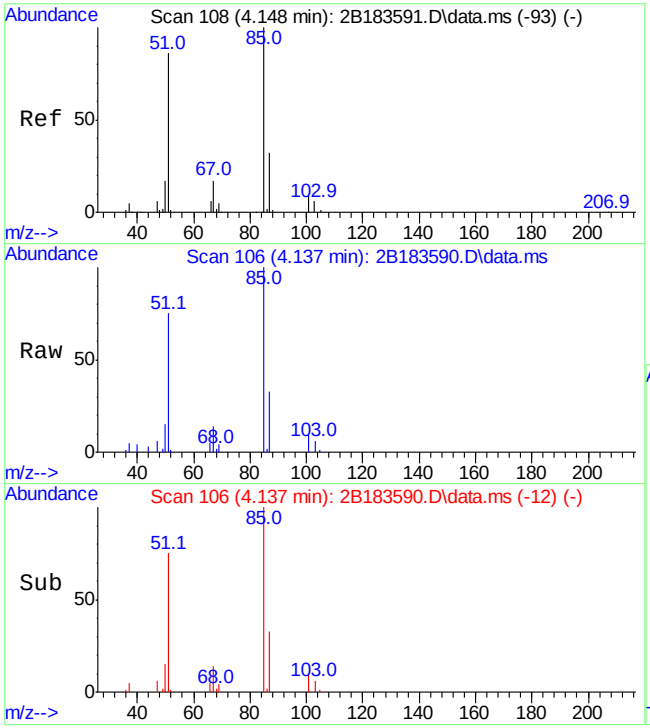


#6
chlorodifluoromethane
Concen: 22.29 ug/L
RT: 4.148 min Scan# 108
Delta R.T. -0.010 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 51 Resp: 94328

Ion	Ratio	Lower	Upper
51	100		
67	18.7	0.0	48.7
50	17.0	0.0	45.8

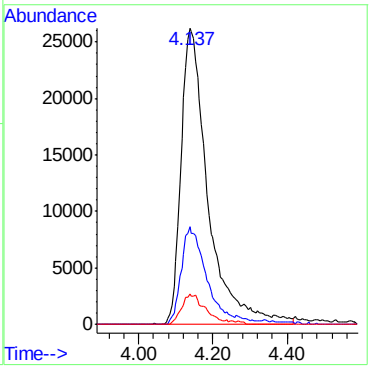


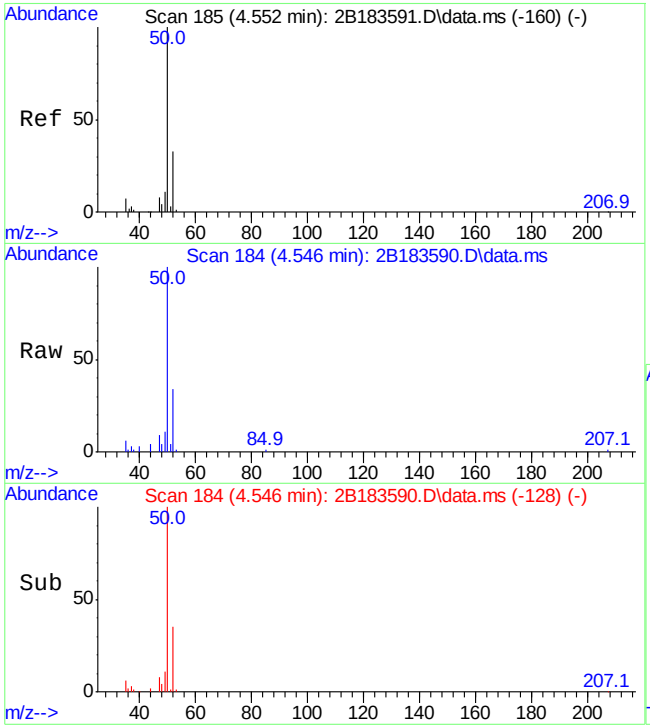


#7
dichlorodifluoromethane
Concen: 23.23 ug/L
RT: 4.137 min Scan# 106
Delta R.T. -0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 85 Resp: 131716

Ion	Ratio	Lower	Upper
85	100		
87	32.9	1.9	61.9
101	10.3	0.0	39.2

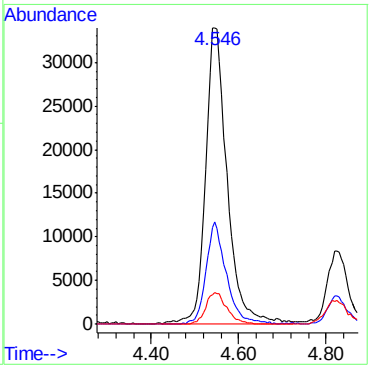


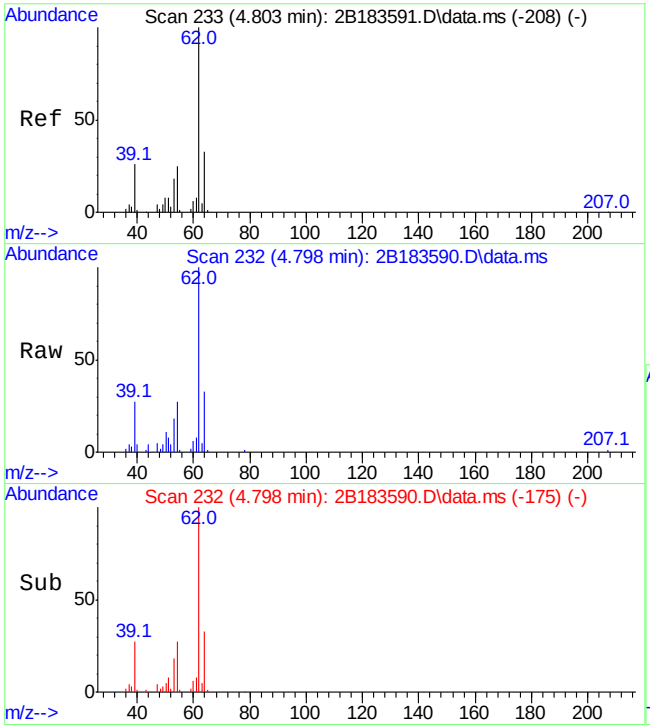


#8
chloromethane
Concen: 21.38 ug/L
RT: 4.546 min Scan# 184
Delta R.T. -0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 50 Resp: 116149

Ion	Ratio	Lower	Upper
50	100		
52	34.4	2.9	62.9
49	10.7	0.0	41.3

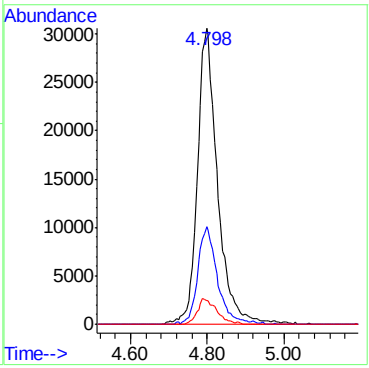


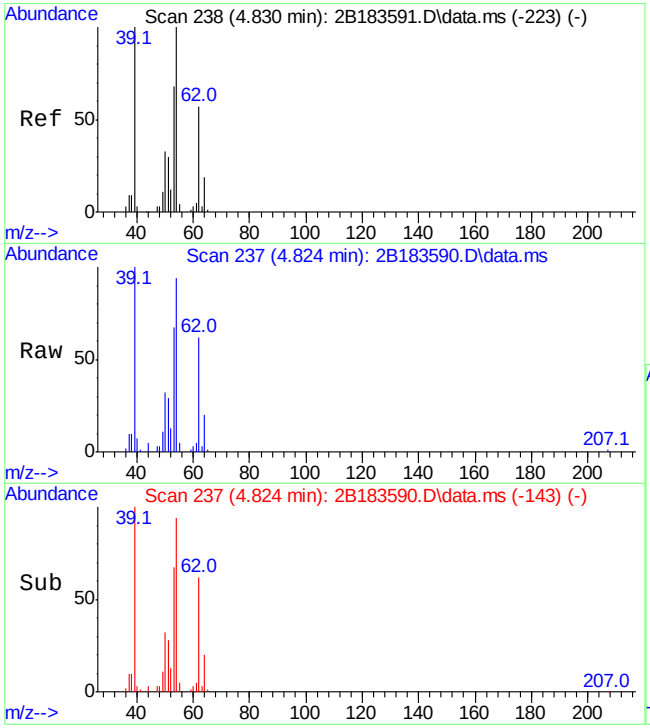


#9
vinyl chloride
Concen: 22.72 ug/L
RT: 4.798 min Scan# 232
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 62 Resp: 112146

Ion	Ratio	Lower	Upper
62	100		
64	33.2	3.0	63.0
61	7.9	0.0	38.4

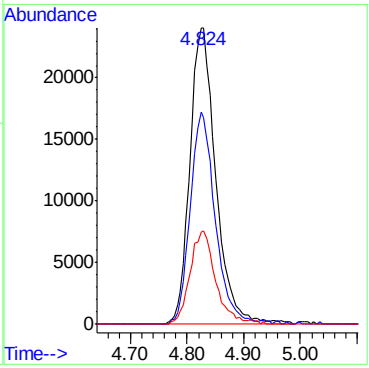


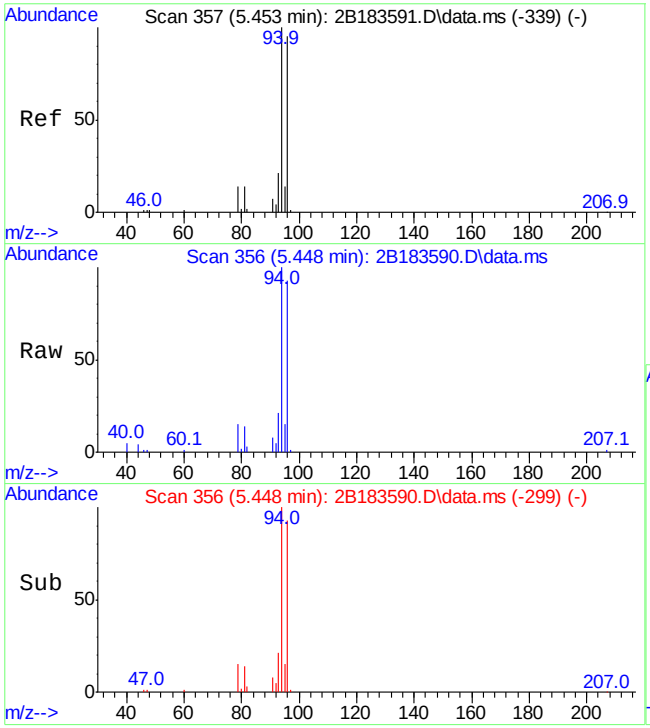


#10
1,3-butadiene
Concen: 22.35 ug/L
RT: 4.824 min Scan# 237
Delta R.T. -0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 54 Resp: 76230

Ion	Ratio	Lower	Upper
54	100		
53	71.7	38.4	98.4
51	31.0	0.0	60.0

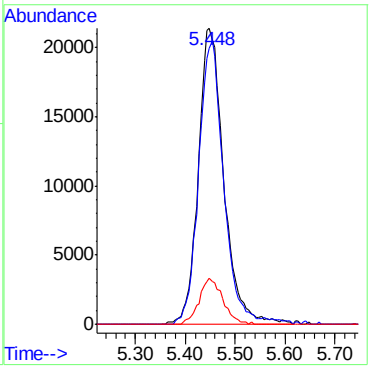


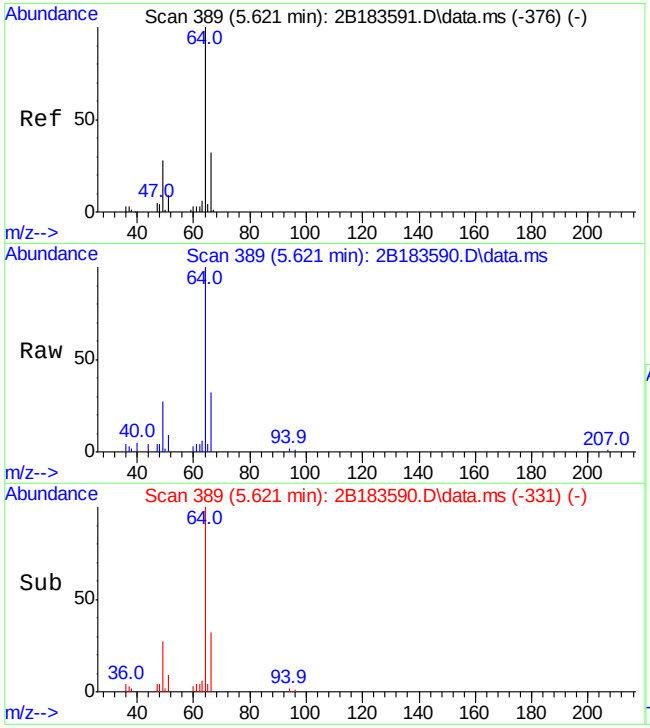


#11
bromomethane
Concen: 21.36 ug/L
RT: 5.448 min Scan# 356
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 94 Resp: 75946

Ion	Ratio	Lower	Upper
94	100		
96	93.3	65.2	125.2
79	15.4	0.0	44.4

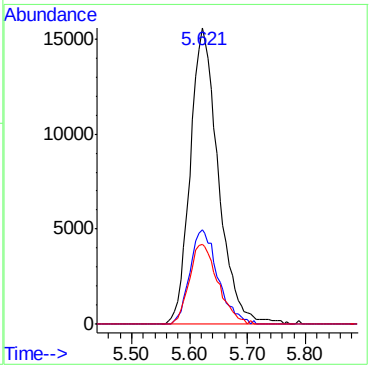


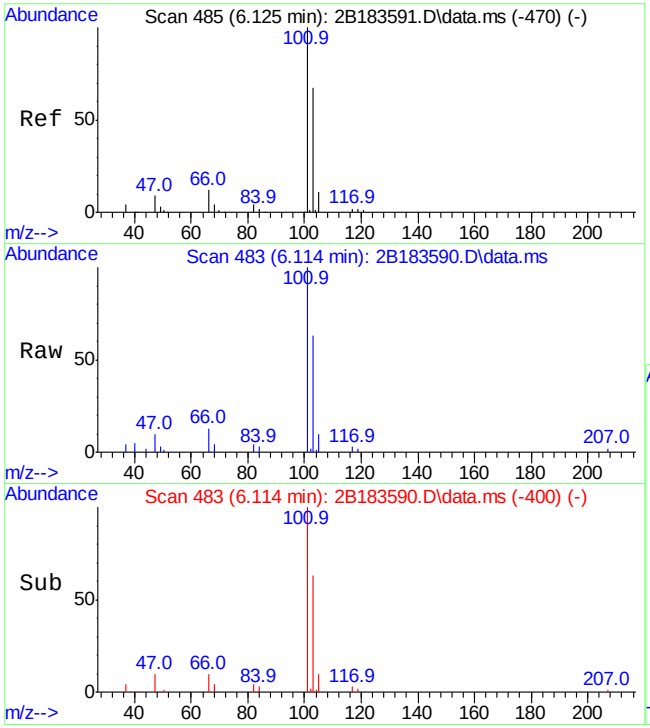


#12
chloroethane
Concen: 21.47 ug/L
RT: 5.621 min Scan# 389
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 64 Resp: 52457

Ion	Ratio	Lower	Upper
64	100		
66	31.8	1.7	61.7
49	26.9	0.0	57.6

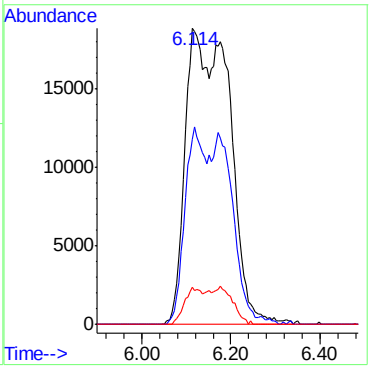


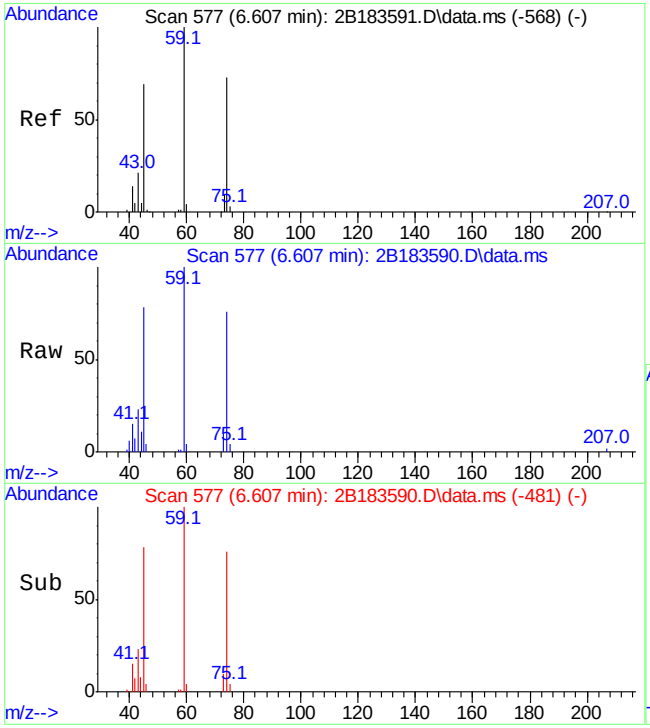


#13
trichlorofluoromethane
Concen: 21.96 ug/L
RT: 6.114 min Scan# 483
Delta R.T. -0.063 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:101 Resp: 129694

Ion	Ratio	Lower	Upper
101	100		
103	62.5	37.3	97.3
66	12.6	0.0	42.3

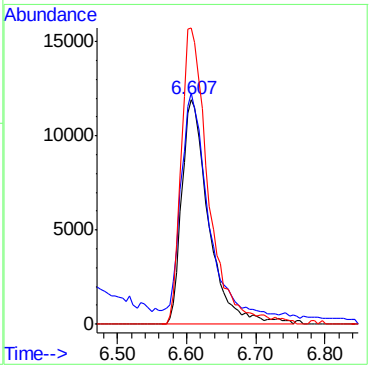


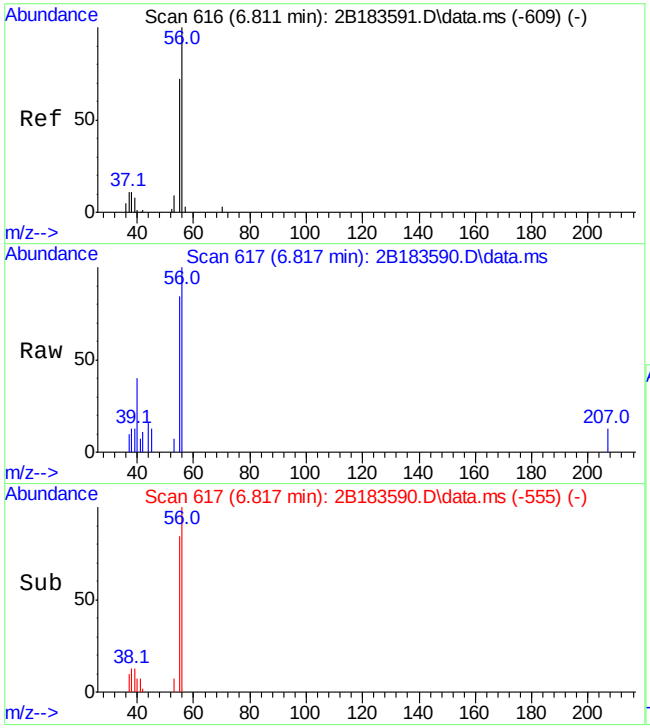


#14
ethyl ether
Concen: 21.89 ug/L
RT: 6.607 min Scan# 577
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 74 Resp: 32085

Ion	Ratio	Lower	Upper
74	100		
45	98.6	69.2	129.2
59	131.9	107.5	167.5

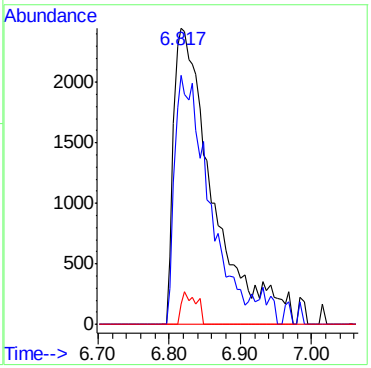


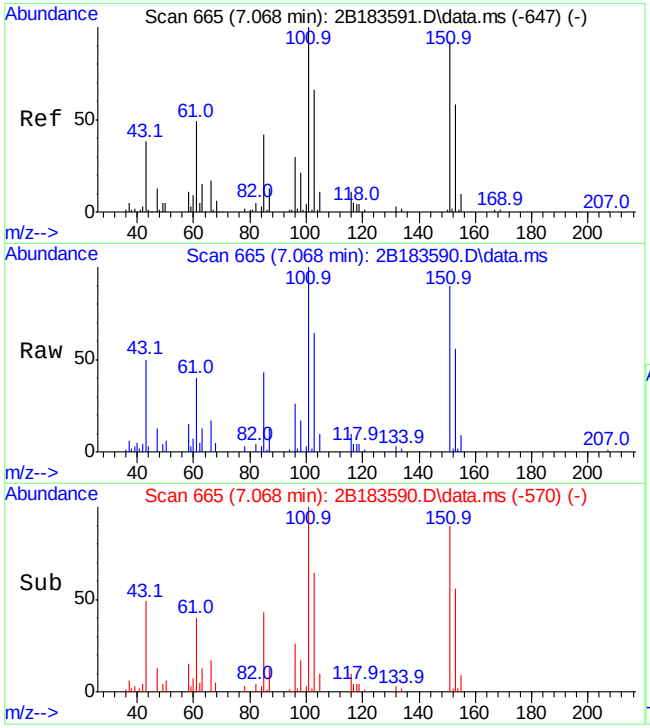


#15
acrolein
Concen: 21.29 ug/L
RT: 6.817 min Scan# 617
Delta R.T. 0.026 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 56 Resp: 9386

Ion	Ratio	Lower	Upper
56	100		
55	84.0	41.6	101.6
53	6.8	0.0	38.7

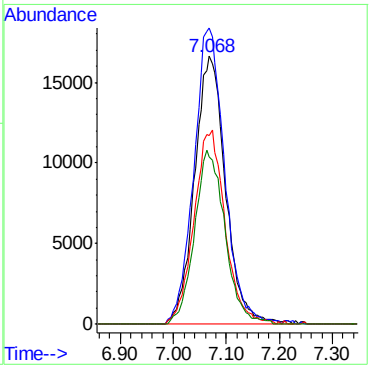


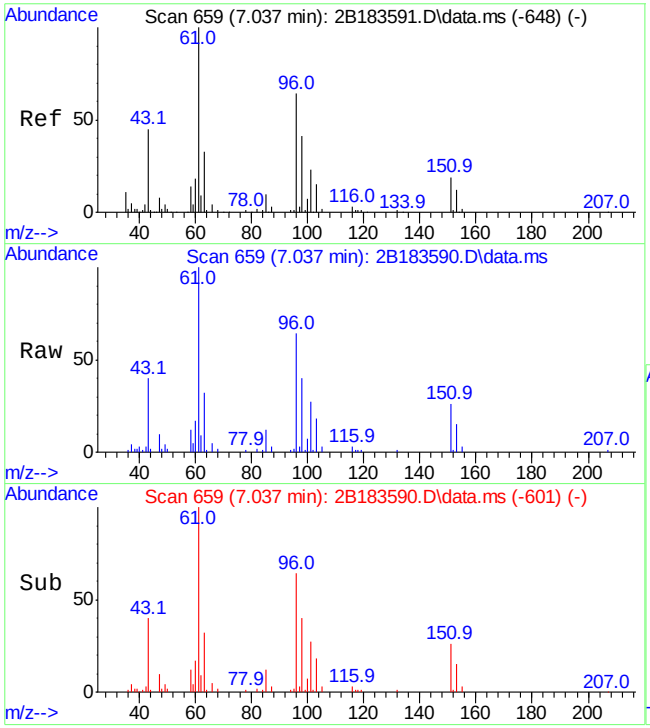


#16
freon 113
Concen: 22.72 ug/L
RT: 7.068 min Scan# 665
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:151 Resp: 67837

Ion	Ratio	Lower	Upper
151	100		
101	110.6	88.6	128.6
103	70.4	52.2	92.2
153	62.4	42.8	82.8

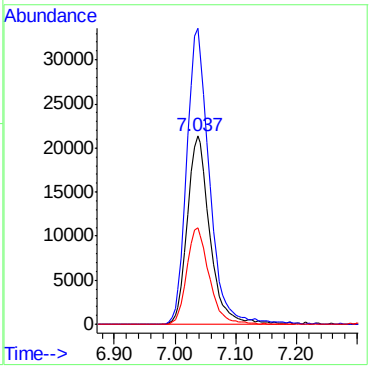


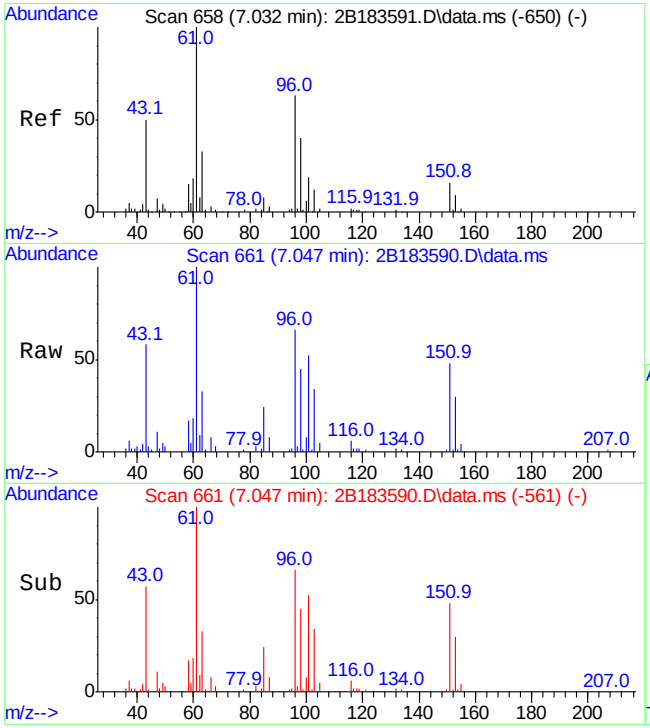


#17
1,1-dichloroethene
Concen: 21.47 ug/L
RT: 7.037 min Scan# 659
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 96 Resp: 55098

Ion	Ratio	Lower	Upper
96	100		
61	157.3	127.2	187.2
63	51.0	21.7	81.7

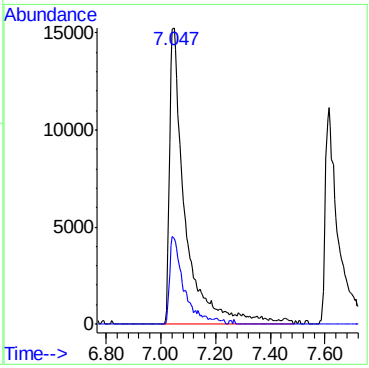


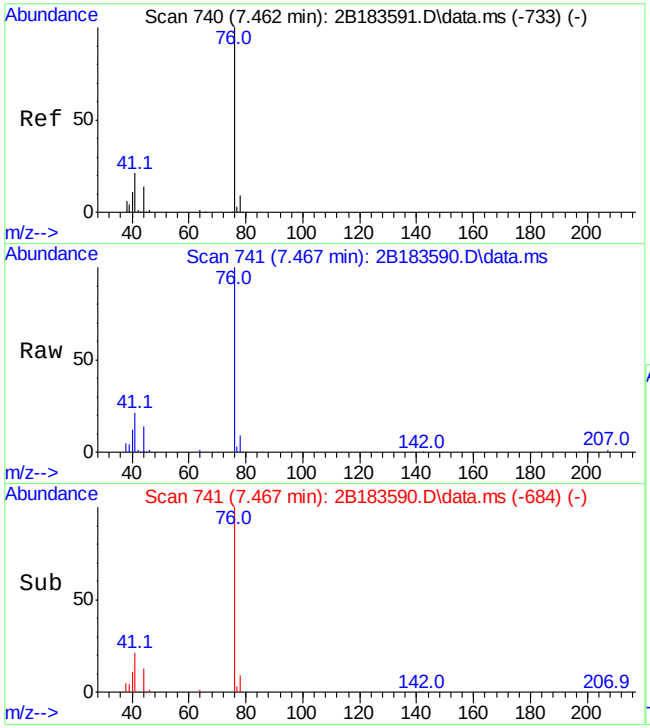


#18
acetone
Concen: 93.25 ug/L
RT: 7.047 min Scan# 661
Delta R.T. 0.026 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 43 Resp: 60614

Ion	Ratio	Lower	Upper
43	100		
58	28.6	0.0	59.5

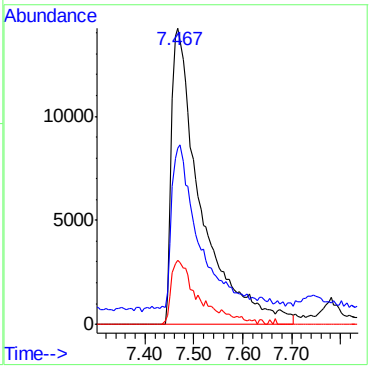


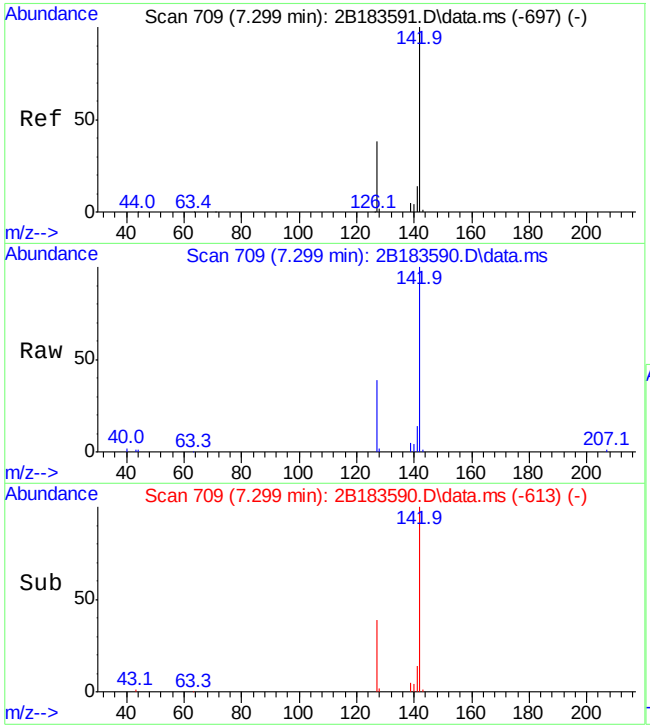


#19
acetonitrile
Concen: 218.18 ug/L
RT: 7.467 min Scan# 741
Delta R.T. 0.021 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 41 Resp: 59715

Ion	Ratio	Lower	Upper
41	100		
40	53.4	21.2	81.2
39	21.6	0.0	51.1

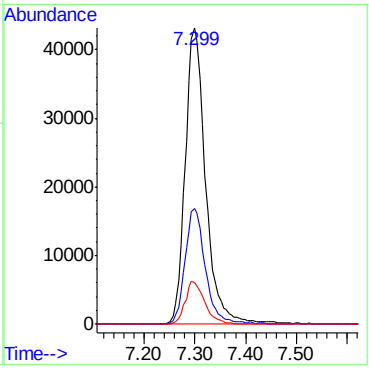


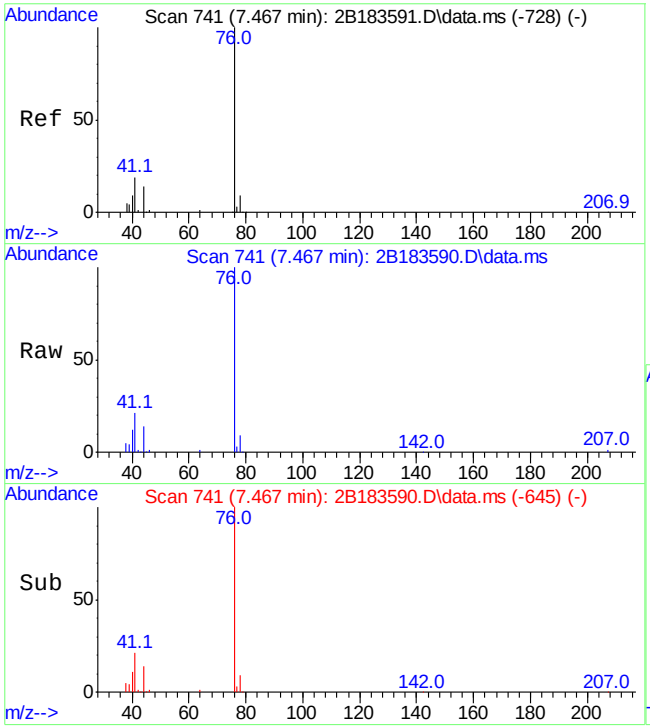


#20
iodomethane
Concen: 21.12 ug/L
RT: 7.299 min Scan# 709
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:142 Resp: 120640

Ion	Ratio	Lower	Upper
142	100		
127	39.0	8.2	68.2
141	14.0	0.0	43.6

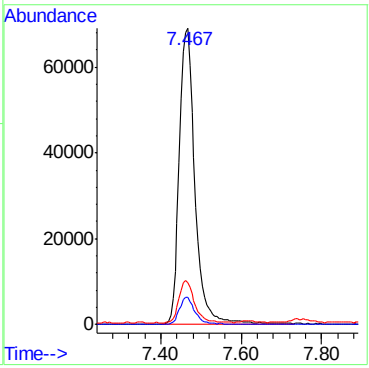


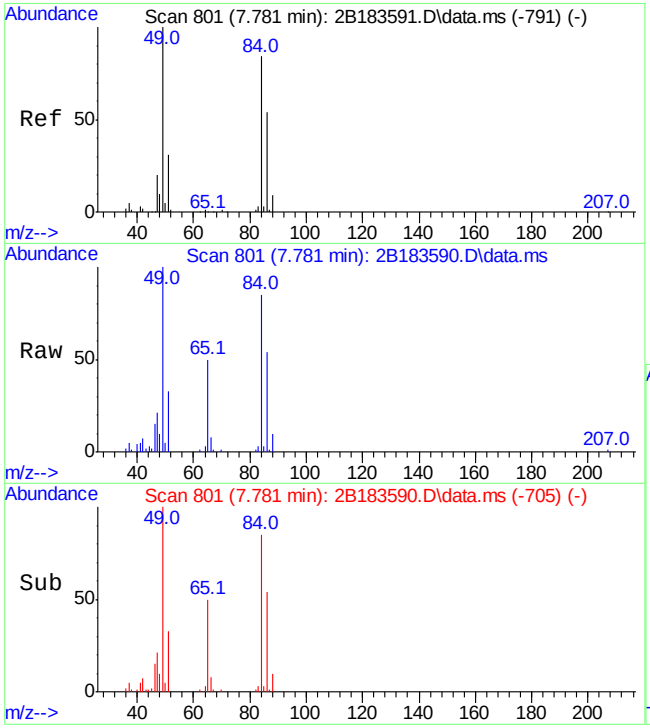


#21
carbon disulfide
Concen: 21.36 ug/L
RT: 7.467 min Scan# 741
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 76 Resp: 187172

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.2
44	13.5	0.0	44.1

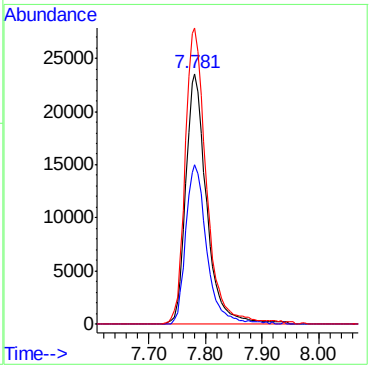


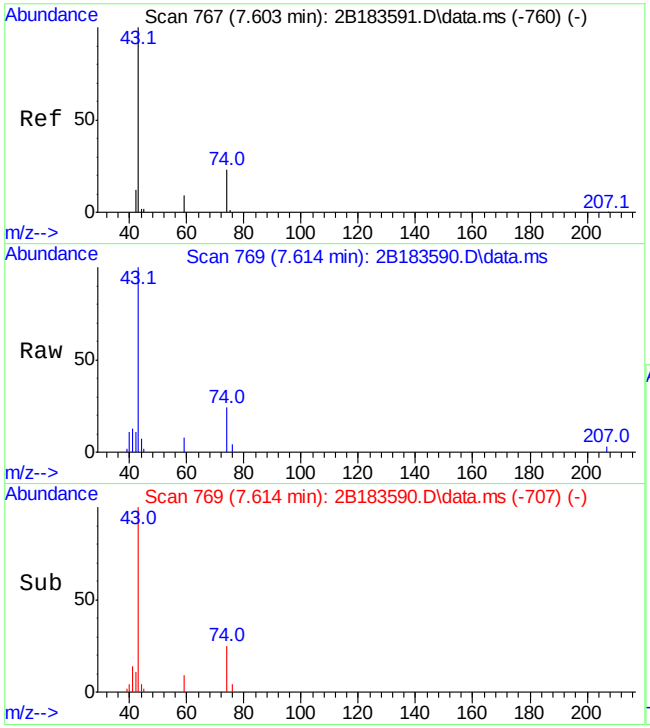


#22
methylene chloride
Concen: 21.77 ug/L
RT: 7.781 min Scan# 801
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 84 Resp: 60003

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.1	94.1
49	118.1	88.6	148.6

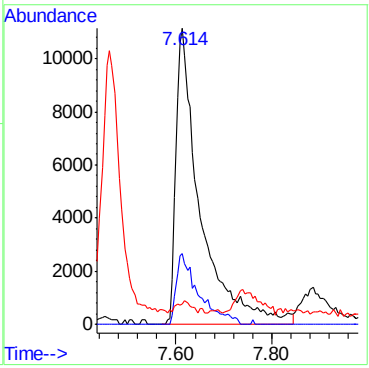


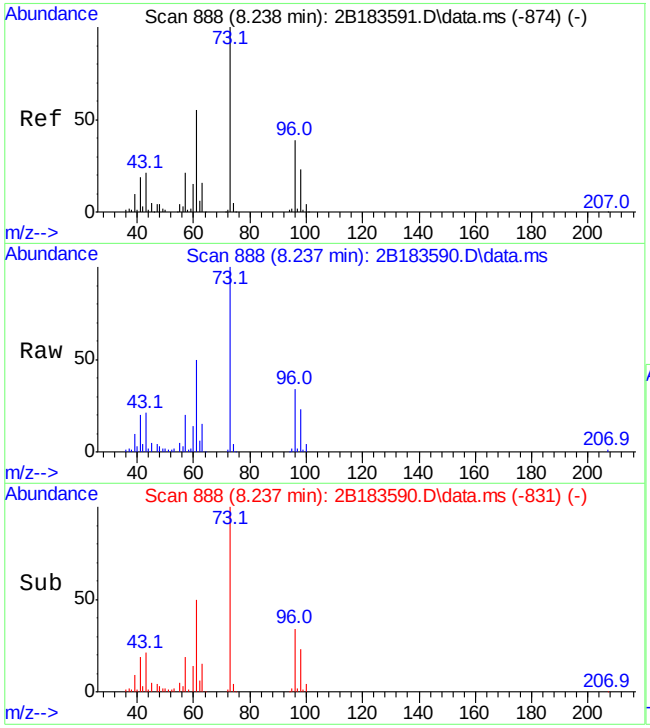


#23
methyl acetate
Concen: 23.31 ug/L
RT: 7.614 min Scan# 769
Delta R.T. 0.026 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 43 Resp: 39022

Ion	Ratio	Lower	Upper
43	100		
74	23.8	0.0	53.3
44	2.2	0.0	32.4

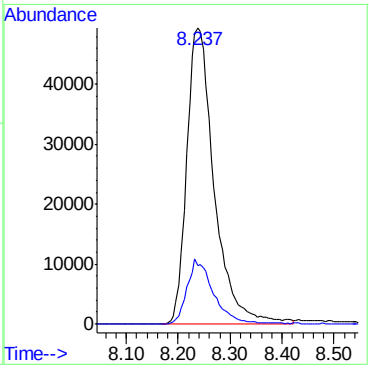


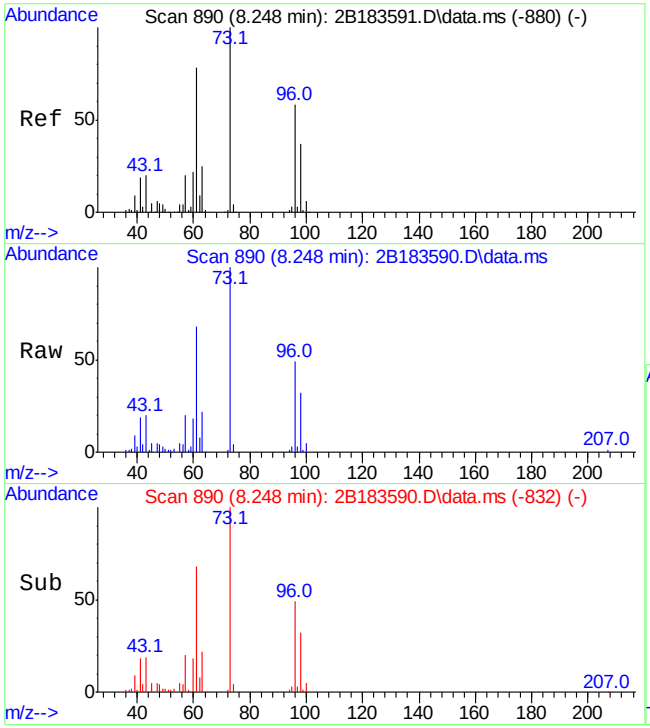


#24
methyl tert butyl ether
Concen: 22.04 ug/L
RT: 8.237 min Scan# 888
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 73 Resp: 181848

Ion	Ratio	Lower	Upper
73	100		
57	19.9	0.0	220.5

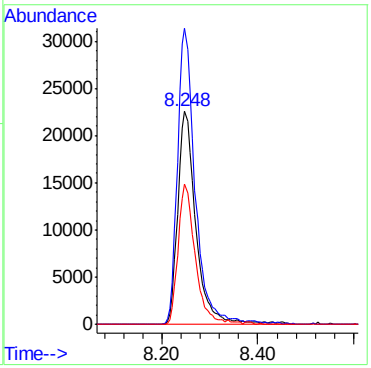


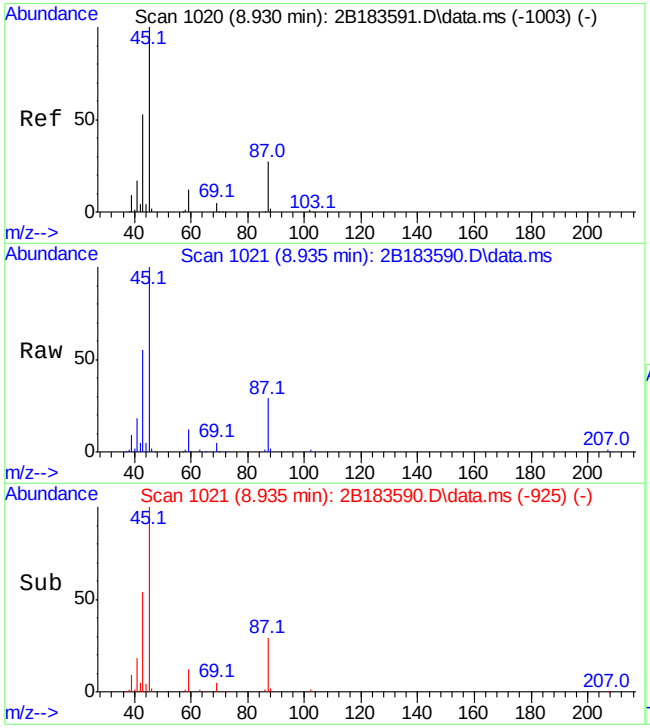


#25
trans-1,2-dichloroethene
Concen: 21.33 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 96 Resp: 59358

Ion	Ratio	Lower	Upper
96	100		
61	138.6	103.8	163.8
98	65.7	34.0	94.0

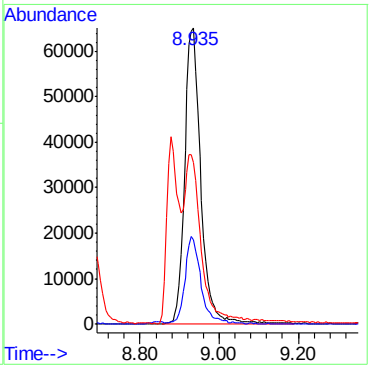


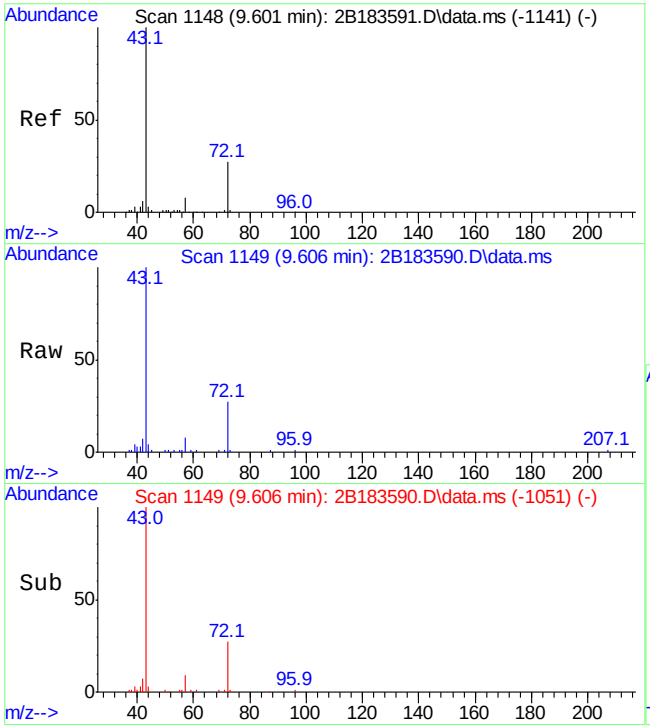


#26
di-isopropyl ether
Concen: 21.94 ug/L
RT: 8.935 min Scan# 1021
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 45 Resp: 184373

Ion	Ratio	Lower	Upper
45	100		
87	28.6	0.0	58.2
43	53.9	23.5	83.5

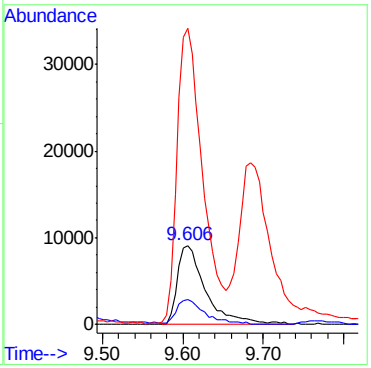


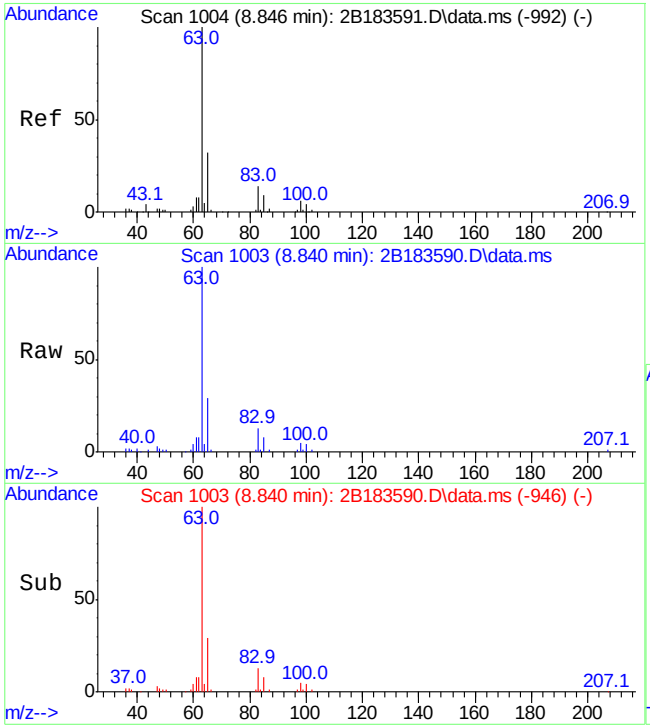


#27
2-butanone
Concen: 89.43 ug/L
RT: 9.606 min Scan# 1149
Delta R.T. 0.016 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 72 Resp: 22261

Ion	Ratio	Lower	Upper
72	100		
57	31.2	0.0	59.8
43	372.0	334.2	394.2

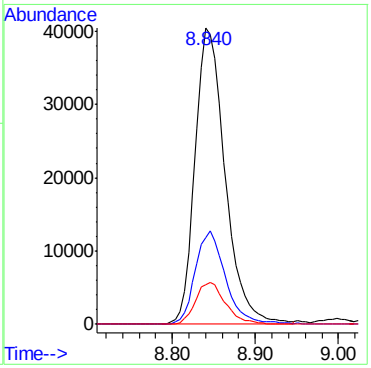


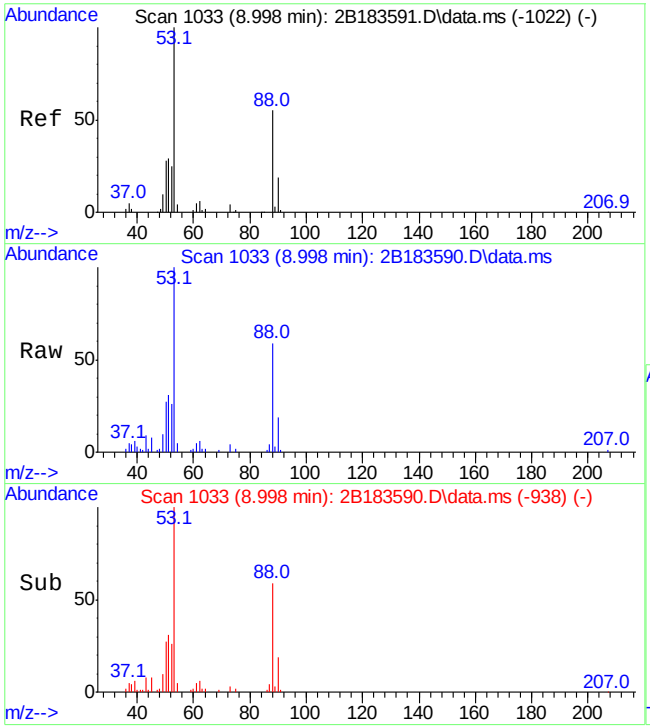


#28
1,1-dichloroethane
Concen: 21.68 ug/L
RT: 8.840 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 63 Resp: 101272

Ion	Ratio	Lower	Upper
63	100		
65	29.2	2.1	62.1
83	13.3	0.0	44.4

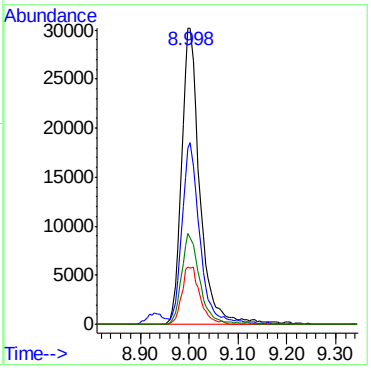


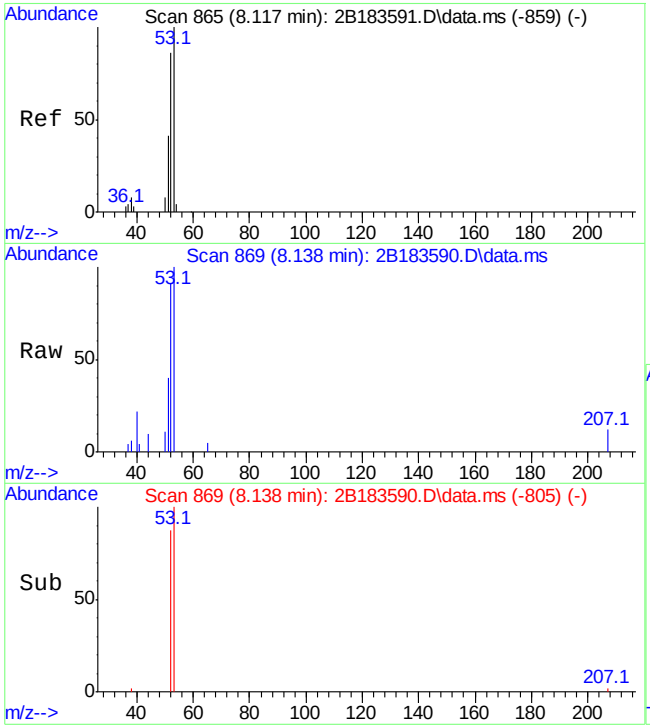


#29
chloroprene
Concen: 21.85 ug/L
RT: 8.998 min Scan# 1033
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 53 Resp: 78709

Ion	Ratio	Lower	Upper
53	100		
88	59.3	27.6	87.6
90	19.4	0.0	48.9
51	30.8	0.0	59.1

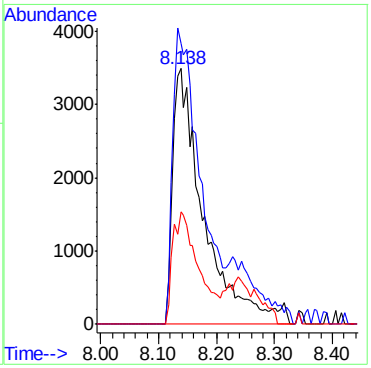


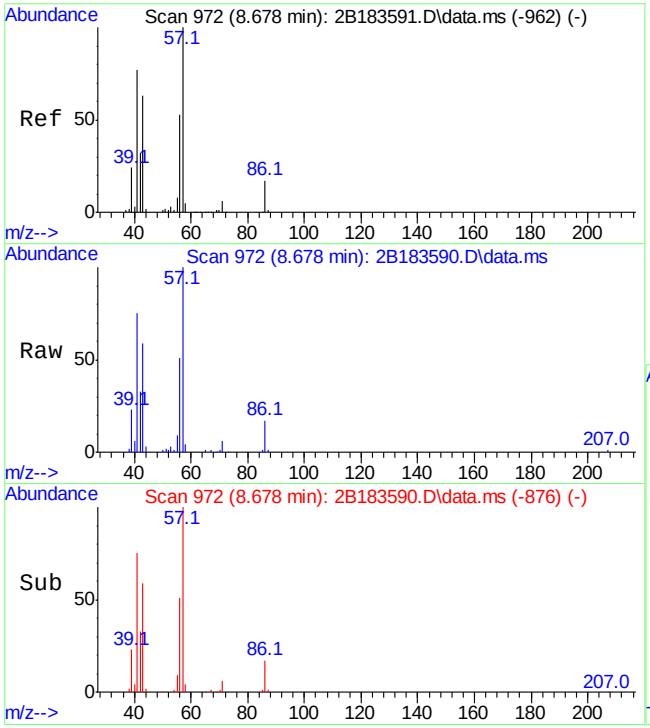


#30
acrylonitrile
Concen: 20.85 ug/L
RT: 8.138 min Scan# 869
Delta R.T. 0.037 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 52 Resp: 12957

Ion	Ratio	Lower	Upper
52	100		
53	109.8	86.6	146.6
51	44.0	17.8	77.8

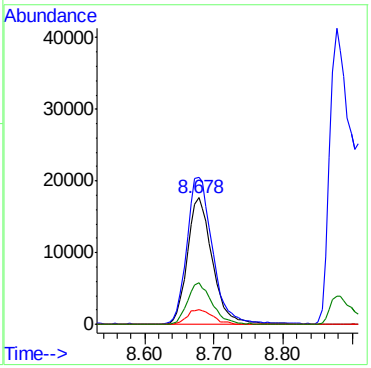


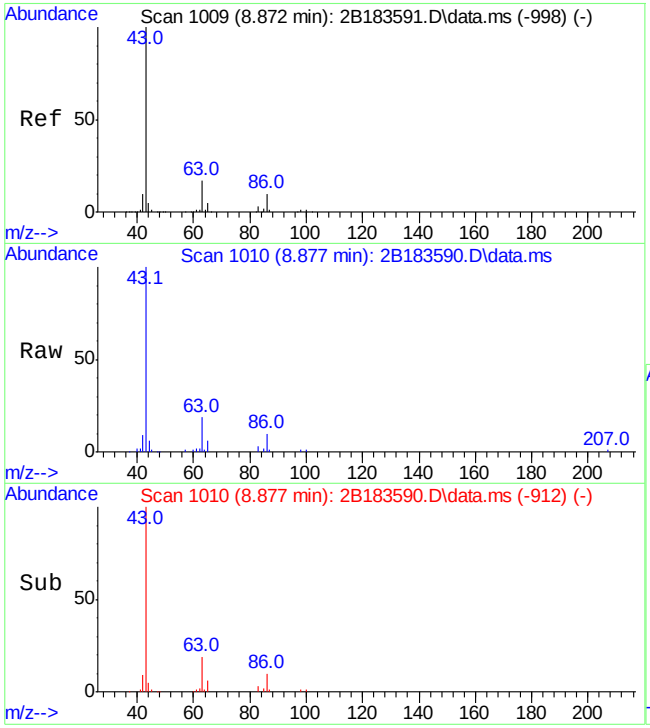


#31
hexane
Concen: 21.49 ug/L
RT: 8.678 min Scan# 972
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 56 Resp: 44207

Ion	Ratio	Lower	Upper
56	100		
43	116.5	99.4	139.4
71	12.0	0.0	31.0
86	33.1	12.3	52.3

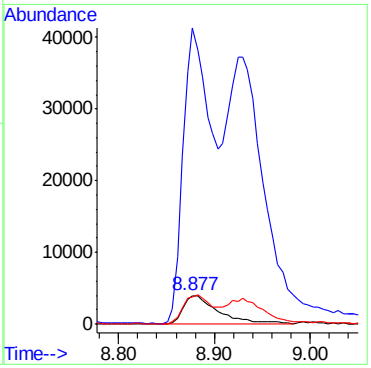


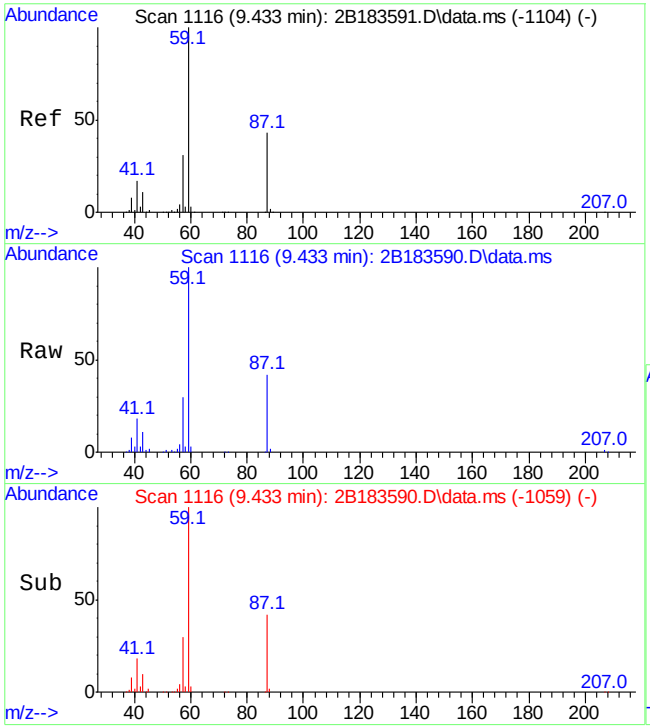


#32
vinyl acetate
Concen: 20.11 ug/L
RT: 8.877 min Scan# 1010
Delta R.T. 0.016 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 86 Resp: 10183

Ion	Ratio	Lower	Upper
86	100		
43	1051.8	981.3	1041.3#
42	94.8	66.4	126.4

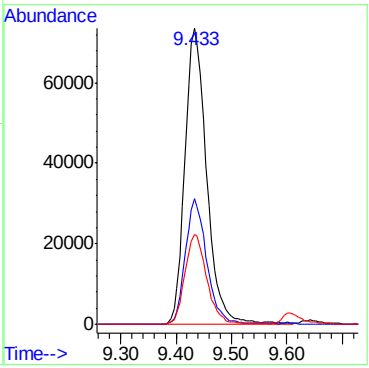


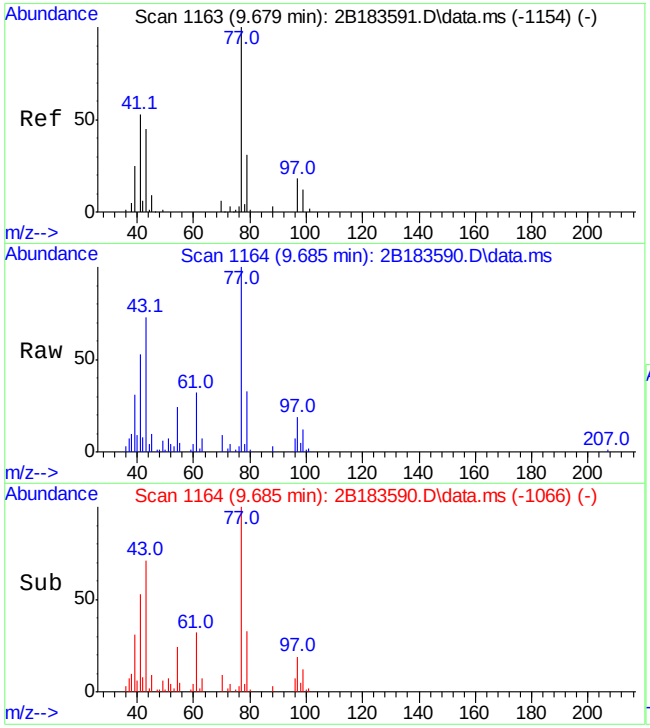


#33
ethyl tert-butyl ether
Concen: 21.93 ug/L
RT: 9.433 min Scan# 1116
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 59 Resp: 201210

Ion	Ratio	Lower	Upper
59	100		
87	42.3	12.7	72.7
57	30.3	0.9	60.9

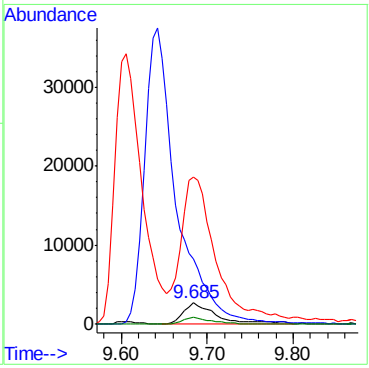


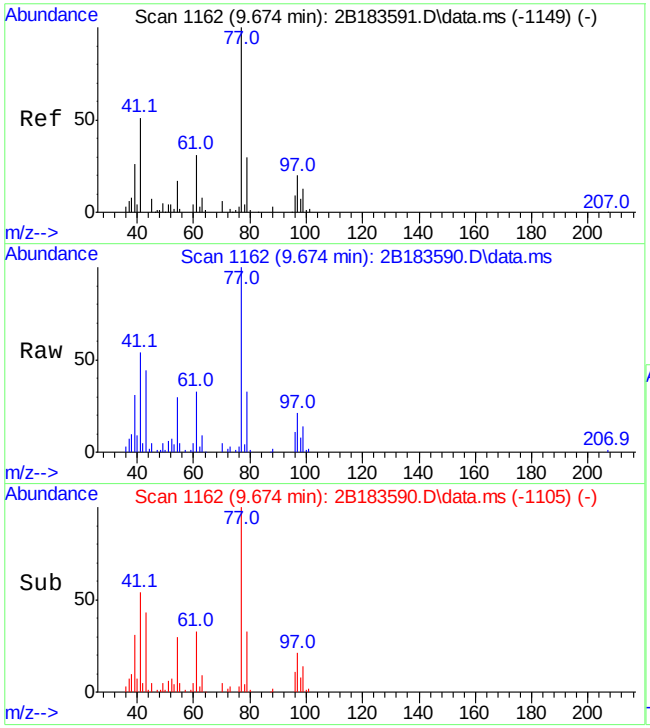


#34
ethyl acetate
Concen: 22.32 ug/L
RT: 9.685 min Scan# 1164
Delta R.T. 0.016 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 45 Resp: 6988

Ion	Ratio	Lower	Upper
45	100		
61	300.8	302.1	362.1#
43	667.7	653.2	713.2
88	30.9	1.5	61.5

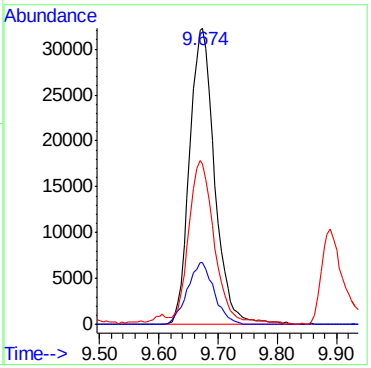


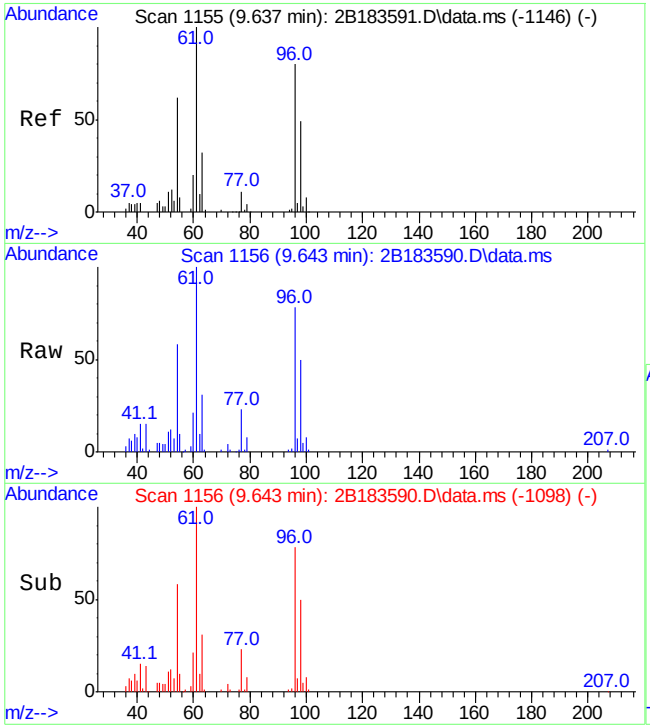


#35
2,2-dichloropropane
Concen: 21.40 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 77 Resp: 94321

Ion	Ratio	Lower	Upper
77	100		
97	20.9	0.0	50.3
41	54.2	20.8	80.8

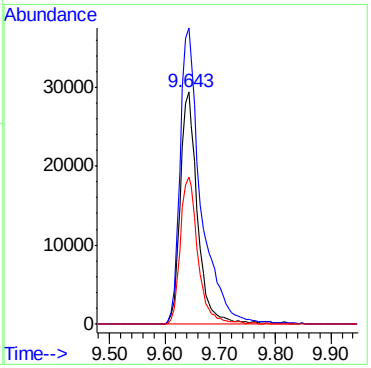


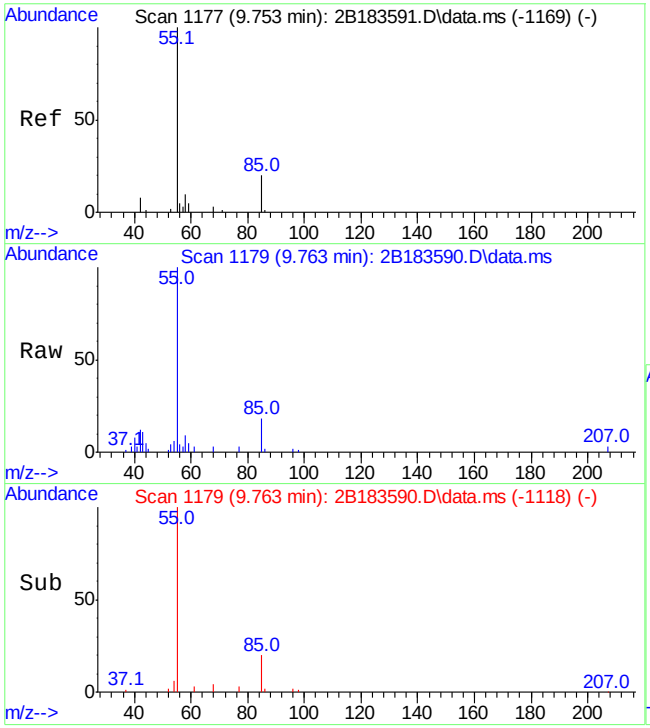


#36
cis-1,2-dichloroethene
Concen: 21.52 ug/L
RT: 9.643 min Scan# 1156
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 96 Resp: 63464

Ion	Ratio	Lower	Upper
96	100		
61	127.8	95.1	155.1
98	63.5	31.7	91.7

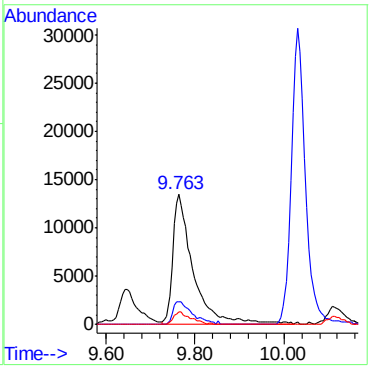


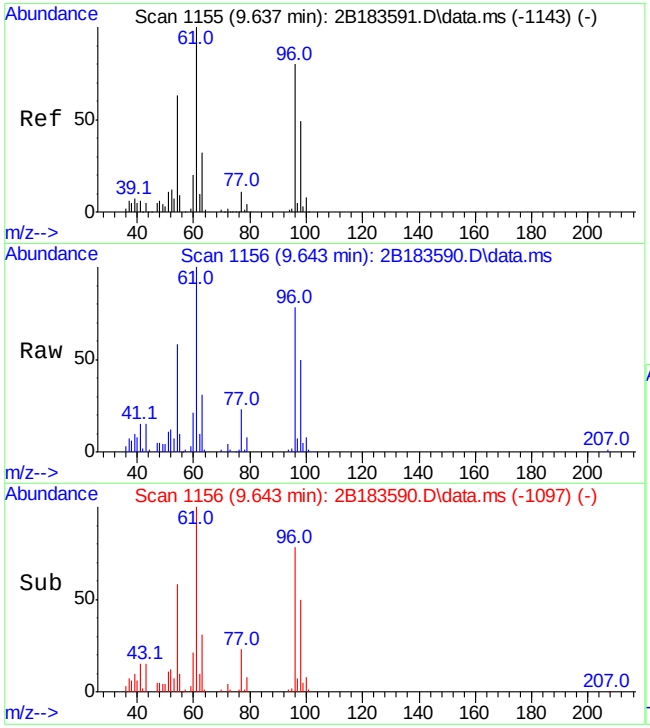


#37
methyl acrylate
Concen: 22.28 ug/L
RT: 9.763 min Scan# 1179
Delta R.T. 0.021 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 55 Resp: 43635

Ion	Ratio	Lower	Upper
55	100		
85	17.6	0.0	50.1
58	9.5	0.0	39.8

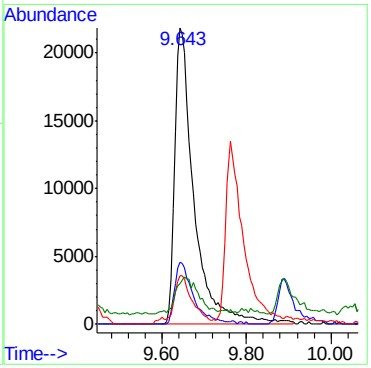


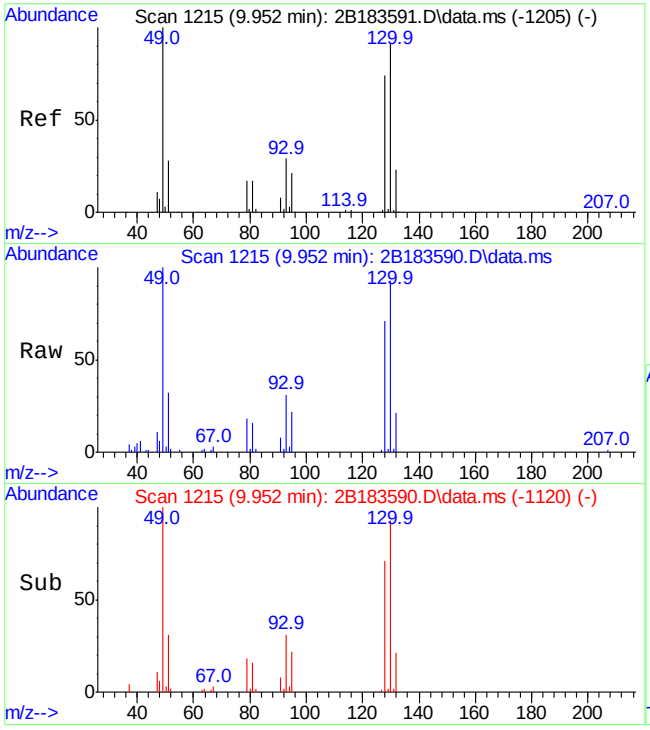


#38
propionitrile
Concen: 229.22 ug/L
RT: 9.643 min Scan# 1156
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 54 Resp: 68313

Ion	Ratio	Lower	Upper
54	100		
52	20.8	0.0	49.6
55	14.8	0.0	44.7
40	9.3	0.0	37.8

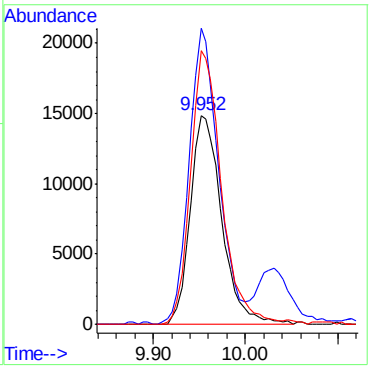


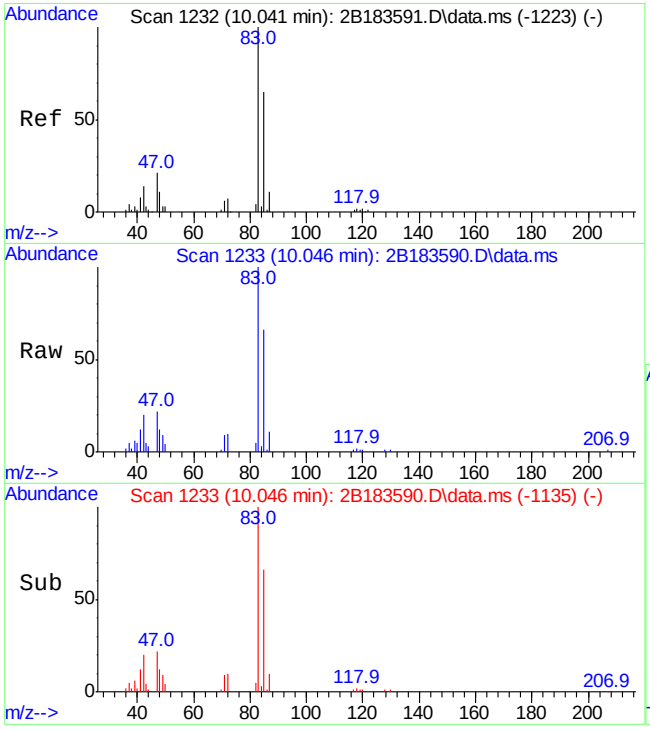


#39
bromochloromethane
Concen: 21.01 ug/L
RT: 9.952 min Scan# 1215
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:128 Resp: 35243

Ion	Ratio	Lower	Upper
128	100		
49	140.6	105.9	165.9
130	131.2	93.4	153.4

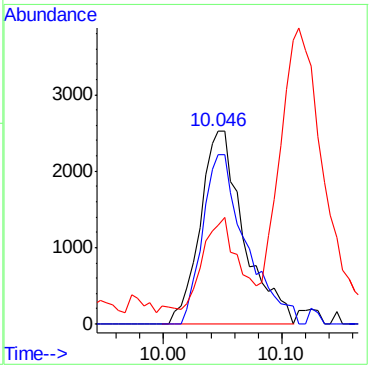


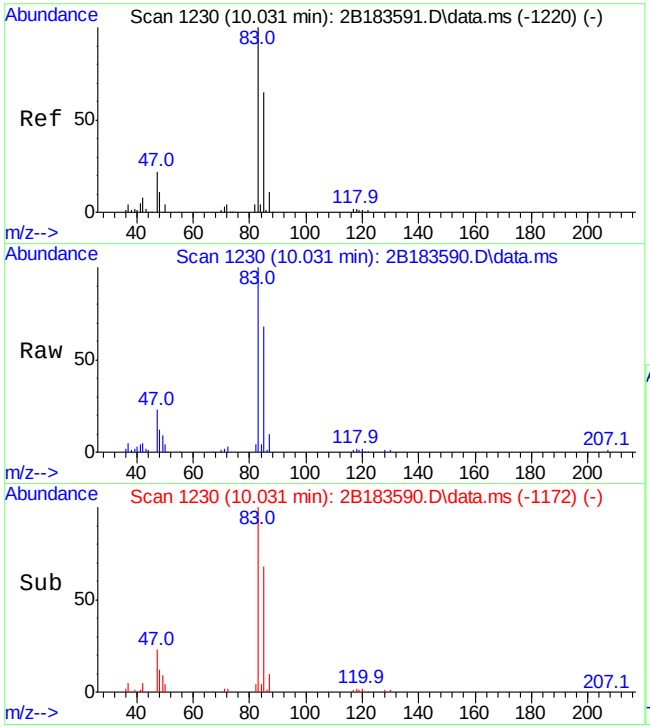


#40
tetrahydrofuran
Concen: 22.24 ug/L
RT: 10.046 min Scan# 1233
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 72 Resp: 6463

Ion	Ratio	Lower	Upper
72	100		
71	87.8	58.8	118.8
43	41.8	15.1	75.1

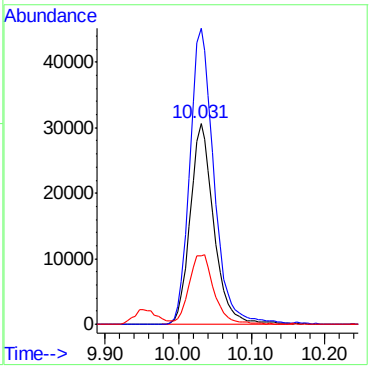


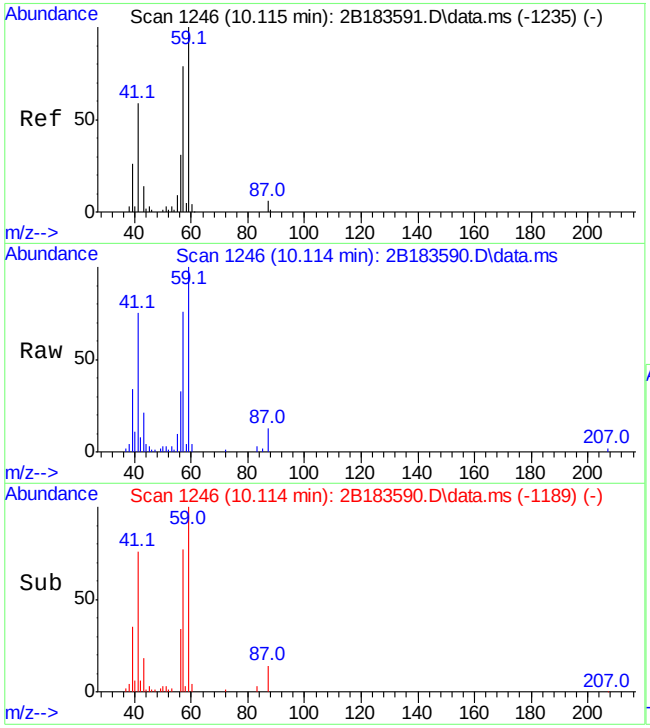


#41
chloroform
Concen: 20.19 ug/L
RT: 10.031 min Scan# 1230
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 85 Resp: 68702

Ion	Ratio	Lower	Upper
85	100		
83	147.2	123.5	183.5
47	33.6	6.5	66.5

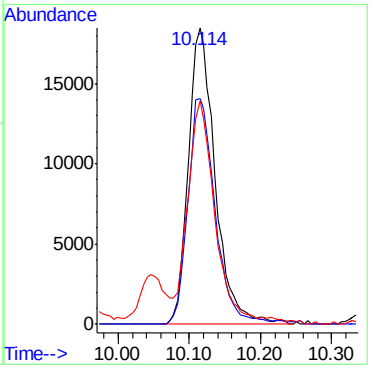


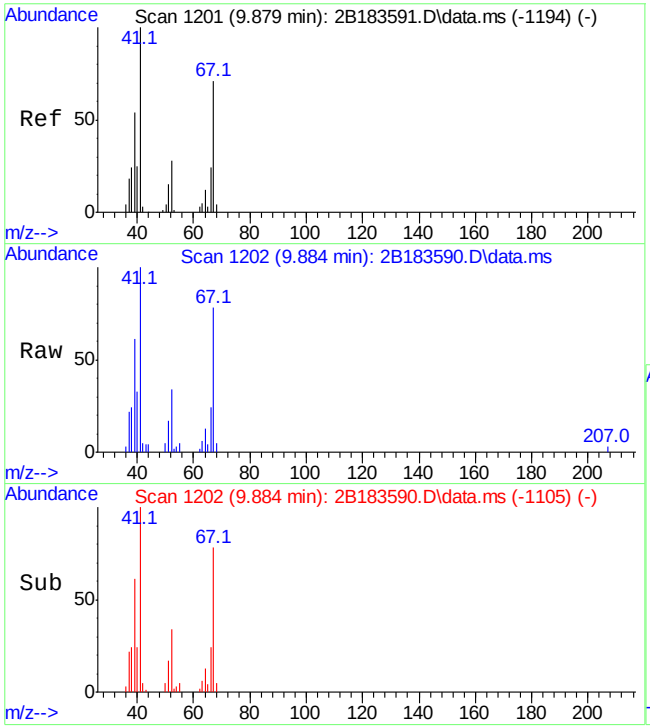


#42
t-butyl formate
Concen: 21.05 ug/L
RT: 10.114 min Scan# 1246
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 59 Resp: 48127

Ion	Ratio	Lower	Upper
59	100		
57	76.3	48.9	108.9
41	74.3	39.1	99.1

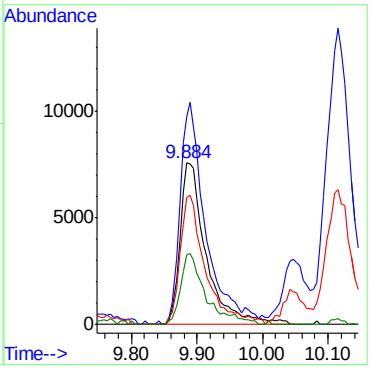


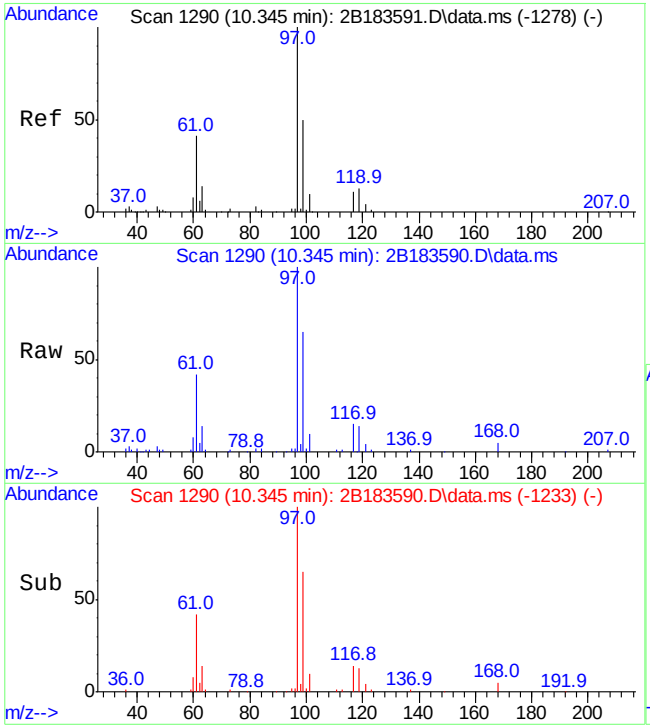


#44
methacrylonitrile
Concen: 22.01 ug/L
RT: 9.884 min Scan# 1202
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 67 Resp: 21144

Ion	Ratio	Lower	Upper
67	100		
41	128.7	110.7	170.7
39	78.2	46.4	106.4
52	43.2	9.9	69.9

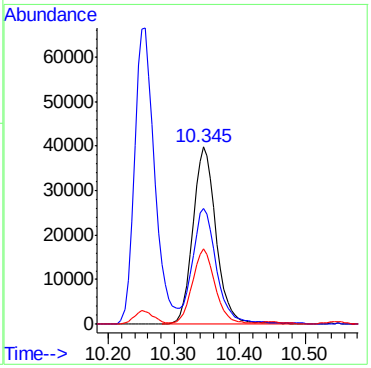


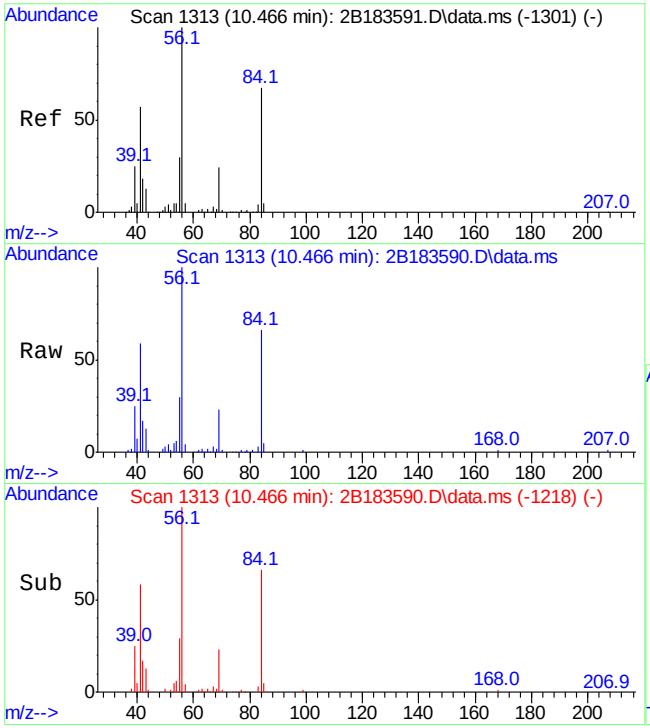


#45
1,1,1-trichloroethane
Concen: 21.65 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 97 Resp: 99062

Ion	Ratio	Lower	Upper
97	100		
99	65.0	36.0	96.0
61	41.9	12.1	72.1

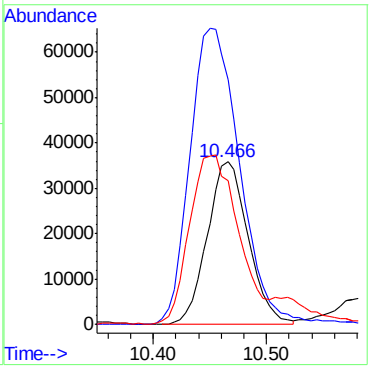


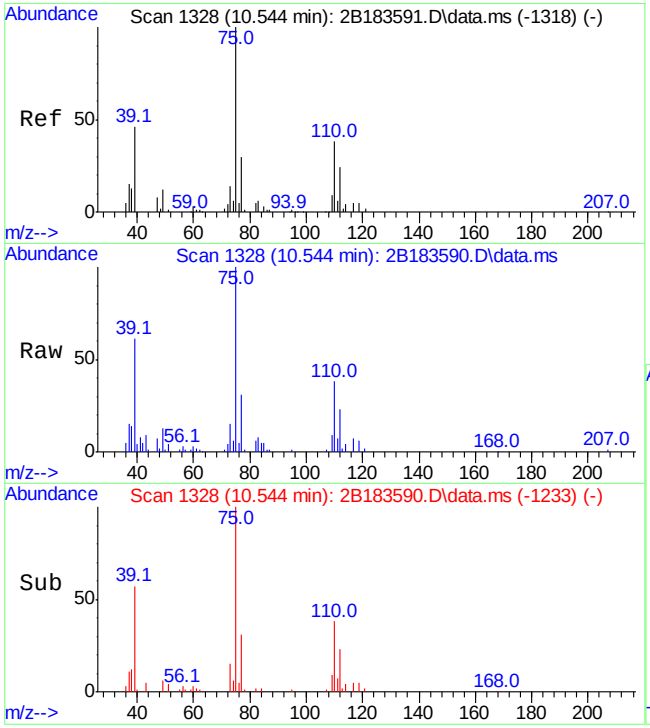


#46
cyclohexane
Concen: 22.09 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 84 Resp: 89732

Ion	Ratio	Lower	Upper
84	100		
56	147.7	130.0	170.0
41	86.4	65.8	105.8

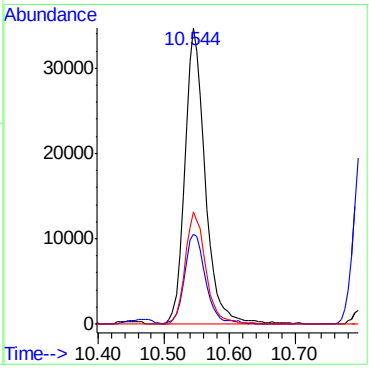


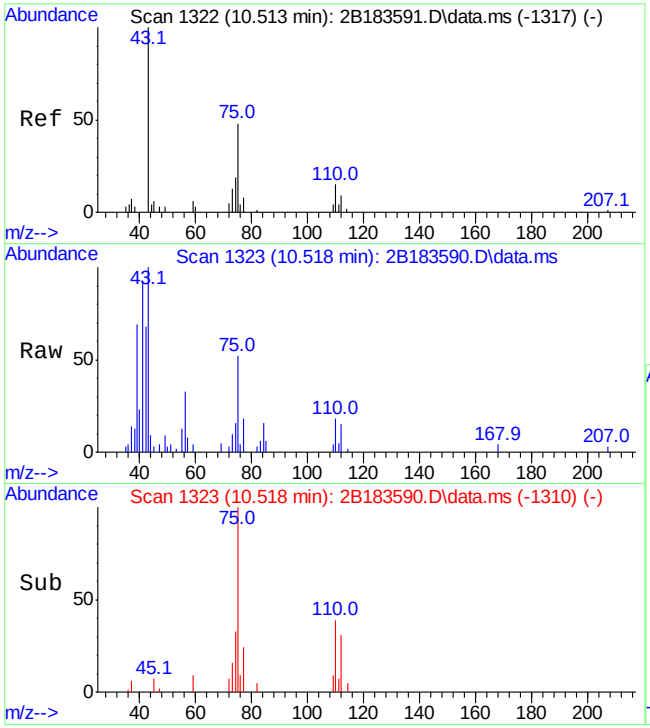


#47
1,1-dichloropropene
Concen: 21.30 ug/L
RT: 10.544 min Scan# 1328
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 75 Resp: 75806

Ion	Ratio	Lower	Upper
75	100		
77	30.5	10.5	50.5
110	37.9	17.9	57.9

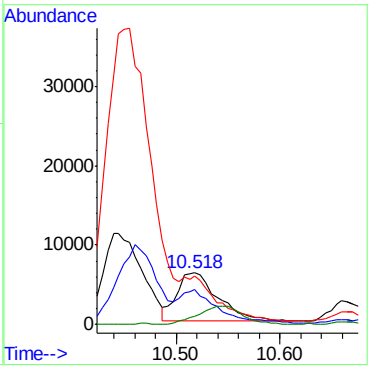


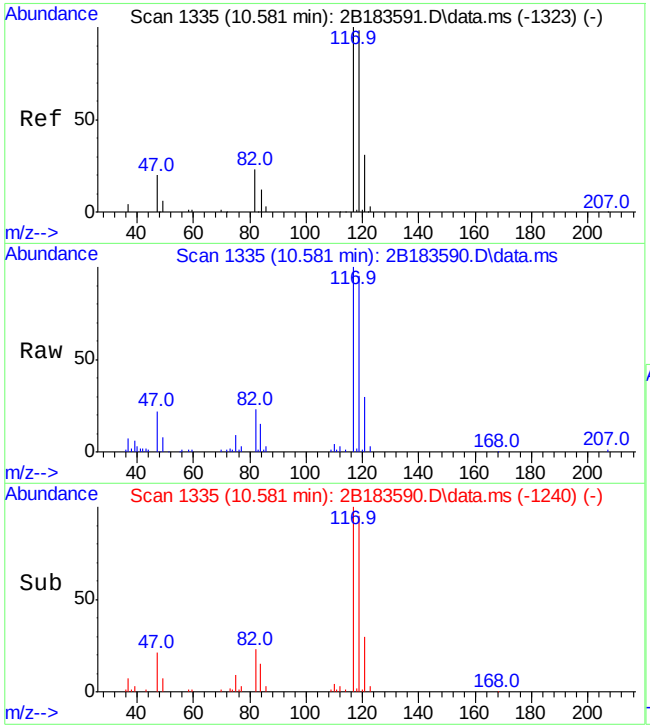


#48
iso-butyl alcohol
Concen: 209.97 ug/L
RT: 10.518 min Scan# 1323
Delta R.T. 0.016 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 43 Resp: 16935

Ion	Ratio	Lower	Upper
43	100		
42	68.6	36.5	96.5
41	92.3	64.7	124.7
74	16.7	0.0	42.8

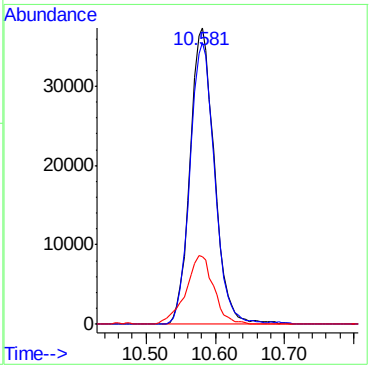


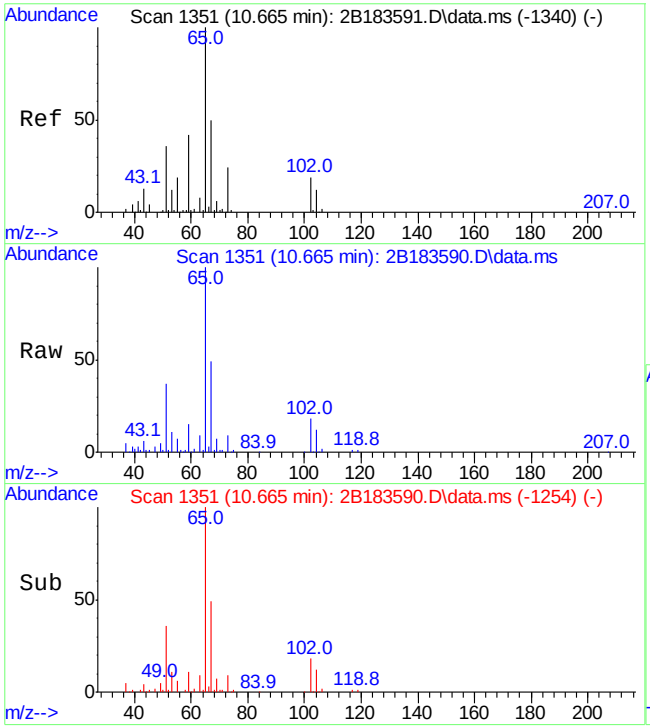


#49
carbon tetrachloride
Concen: 21.23 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:117 Resp: 90974

Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.7	117.7
82	22.8	3.1	43.1

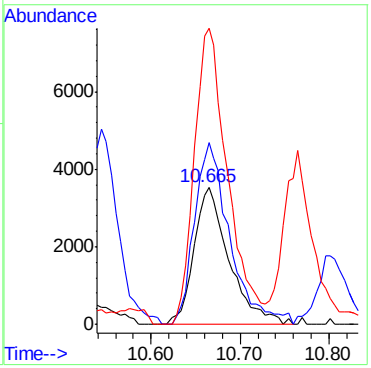


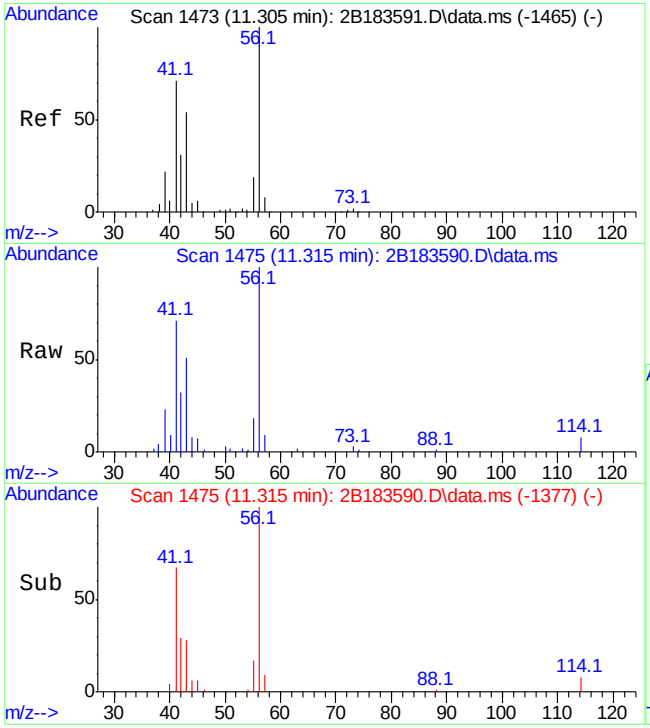


#50
tert amyl alcohol
Concen: 113.78 ug/L
RT: 10.665 min Scan# 1351
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 55 Resp: 9651

Ion	Ratio	Lower	Upper
55	100		
73	132.2	98.8	158.8
59	215.9	191.9	251.9

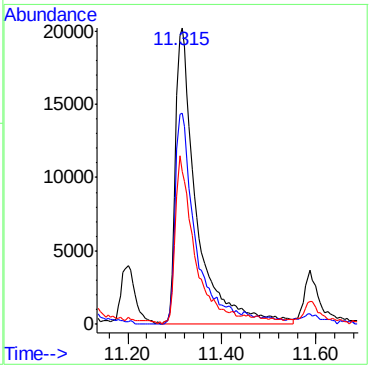


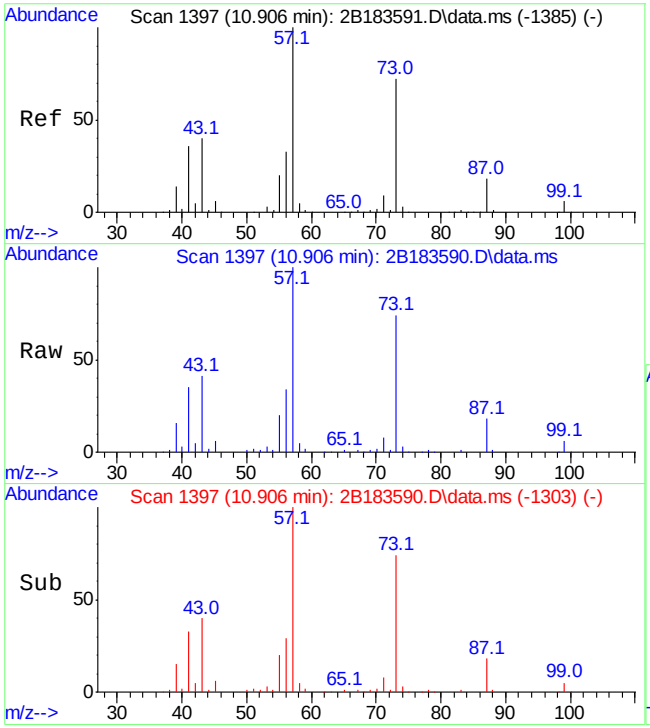


#53
n-butyl alcohol
Concen: 1107.24 ug/L
RT: 11.315 min Scan# 1475
Delta R.T. 0.016 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 56 Resp: 62450

Ion	Ratio	Lower	Upper
56	100		
41	71.0	40.8	100.8
43	51.4	24.4	84.4

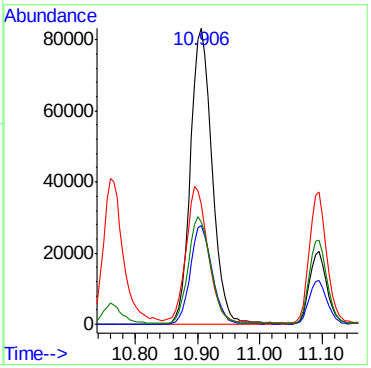


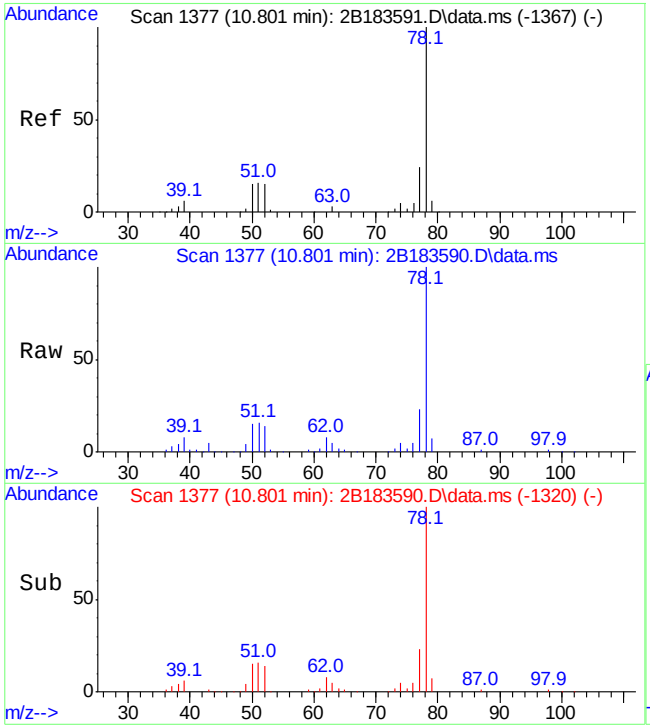


#54
2,2,4-trimethylpentane
Concen: 21.50 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 57 Resp: 200980

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.5	63.5
43	40.1	10.7	70.7
41	34.4	5.5	65.5

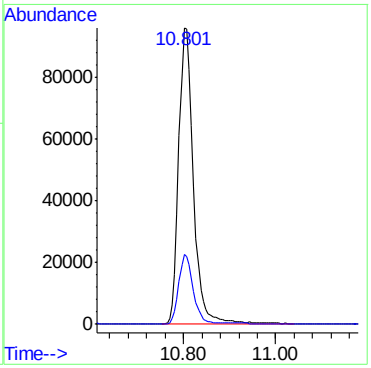


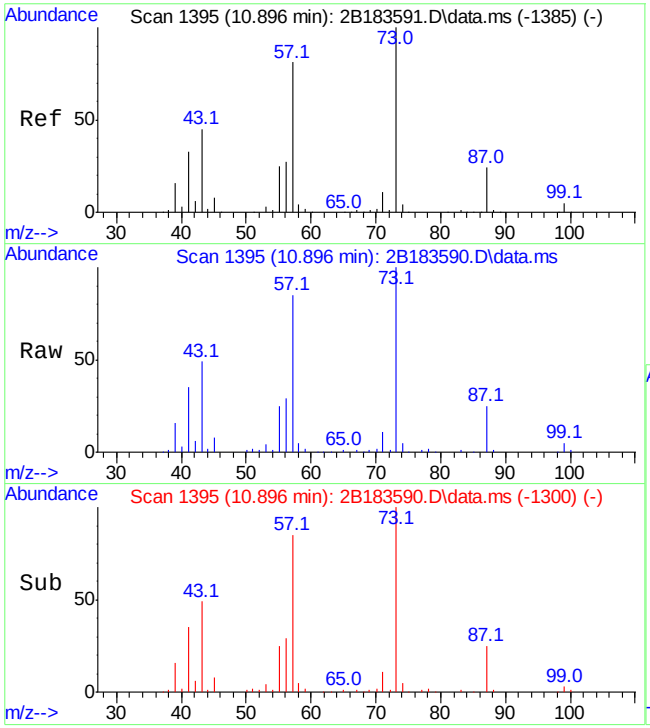


#55
benzene
Concen: 21.75 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 78 Resp: 214810

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.9

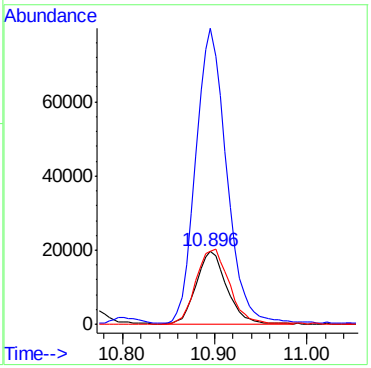


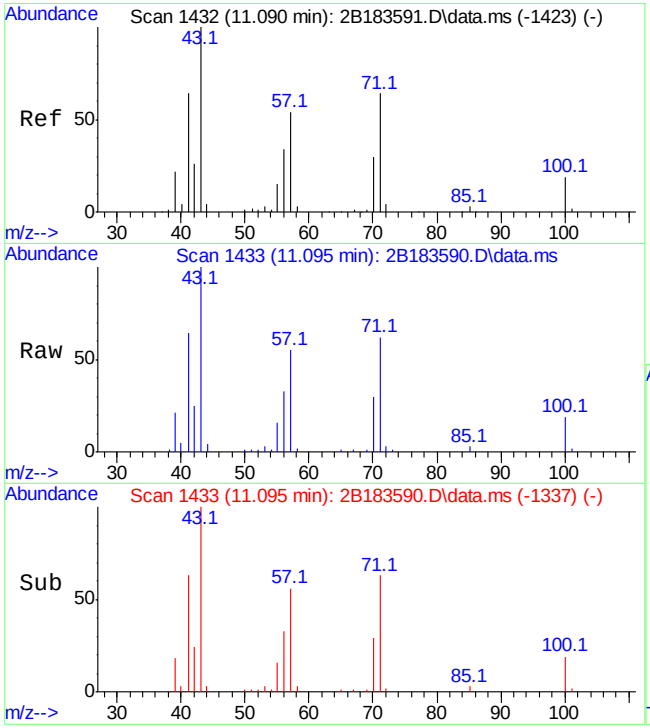


#56
tert-amyl methyl ether
Concen: 21.42 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 87 Resp: 45721

Ion	Ratio	Lower	Upper
87	100		
73	403.9	377.9	437.9
55	100.0	73.1	133.1

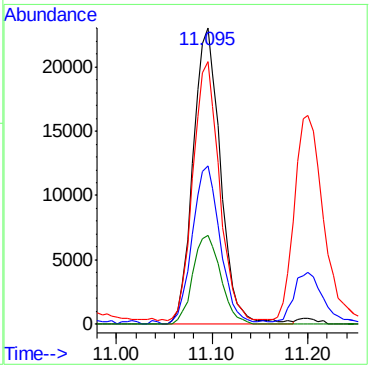


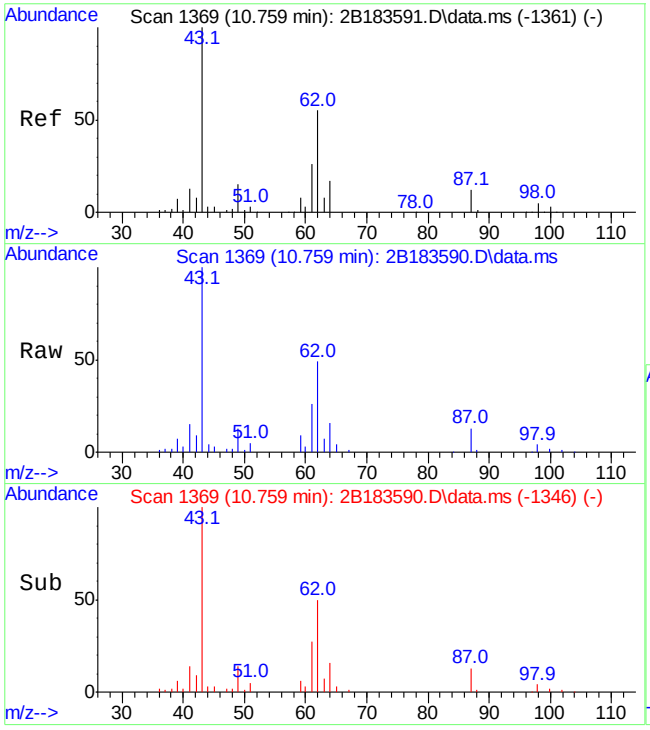


#57
heptane
Concen: 21.69 ug/L
RT: 11.095 min Scan# 1433
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 71 Resp: 45705

Ion	Ratio	Lower	Upper
71	100		
56	53.4	23.2	83.2
57	87.3	54.9	114.9
100	29.9	0.0	59.2

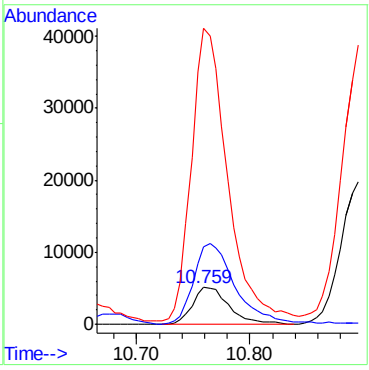


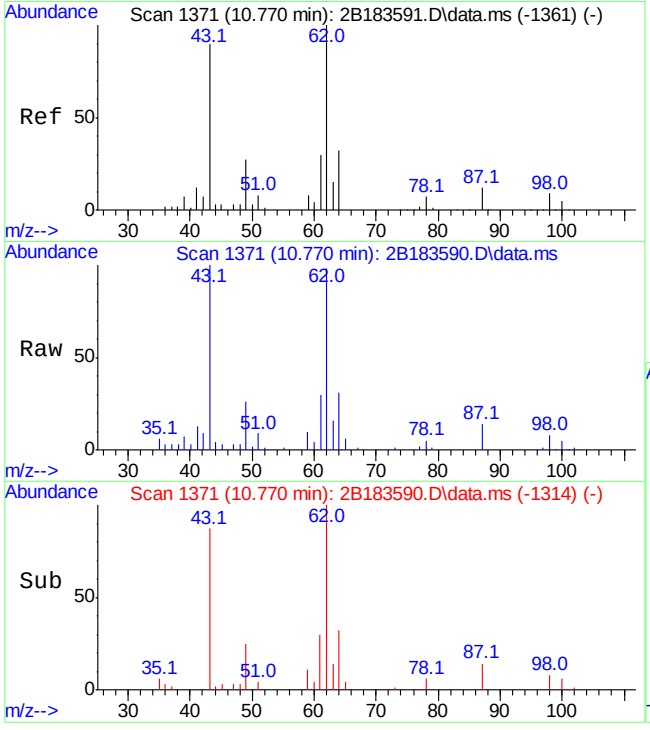


#58
isopropyl acetate
Concen: 21.86 ug/L
RT: 10.759 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 87 Resp: 11519

Ion	Ratio	Lower	Upper
87	100		
61	207.6	185.0	245.0
43	790.0	799.1	859.1#

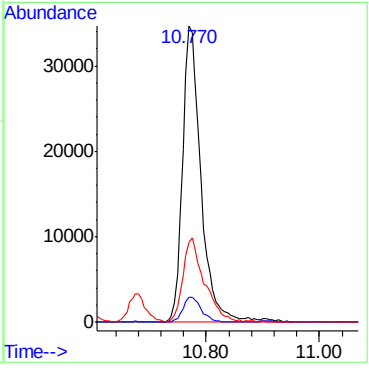


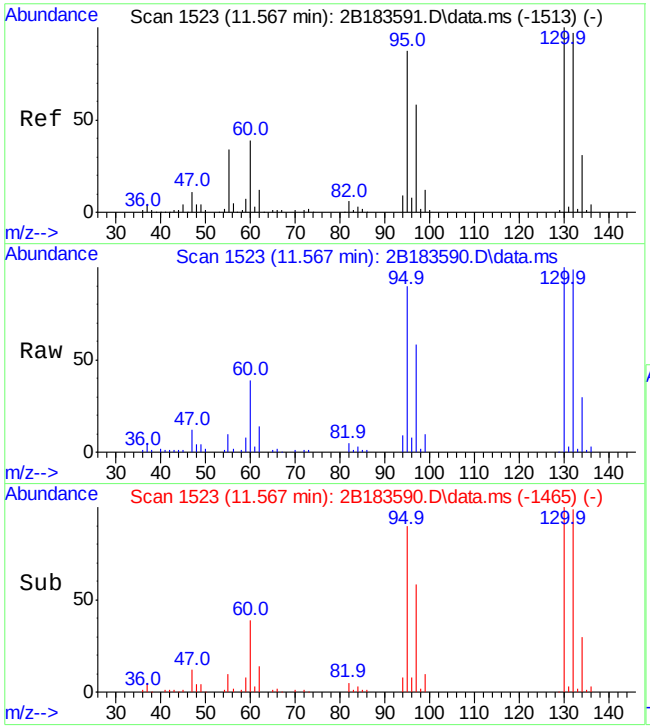


#59
1,2-dichloroethane
Concen: 20.84 ug/L
RT: 10.770 min Scan# 1371
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 62 Resp: 78691

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	39.0
49	26.9	0.0	56.8

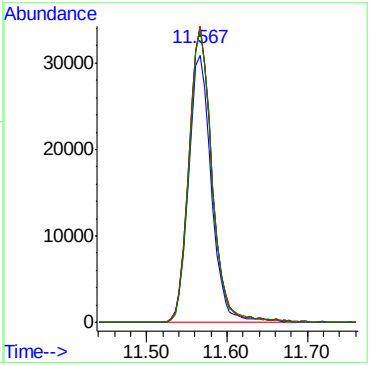


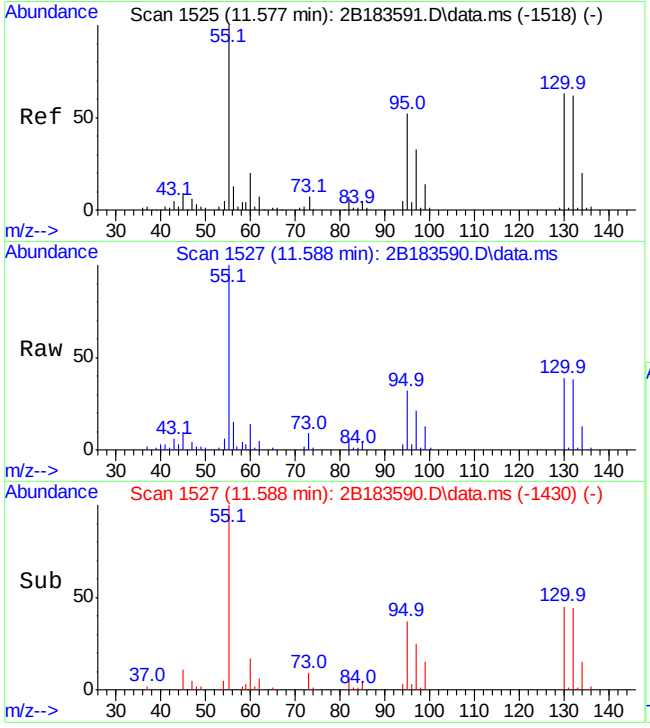


#60
trichloroethene
Concen: 21.21 ug/L
RT: 11.567 min Scan# 1523
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:130 Resp: 68214

Ion	Ratio	Lower	Upper
130	100		
95	90.3	56.8	116.8
130	100.0	70.0	130.0
132	99.0	67.2	127.2

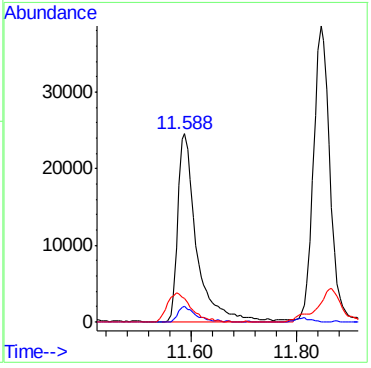


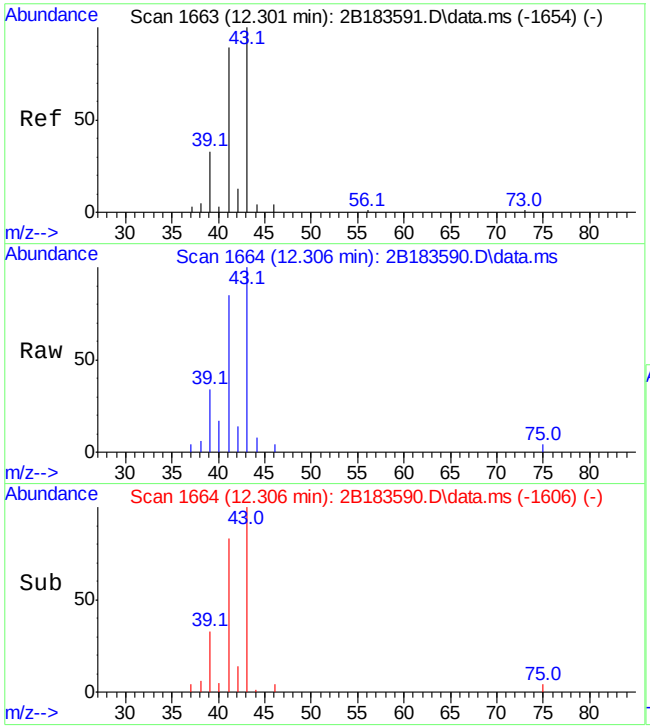


#61
ethyl acrylate
Concen: 22.33 ug/L
RT: 11.588 min Scan# 1527
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 55 Resp: 61133

Ion	Ratio	Lower	Upper
55	100		
73	8.6	0.0	27.3
99	11.2	0.0	34.6

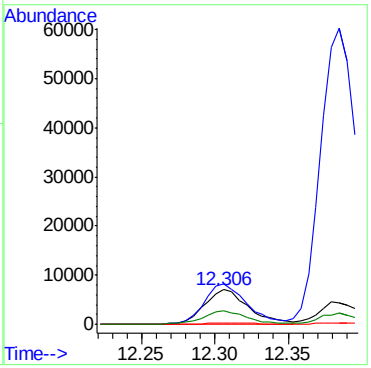


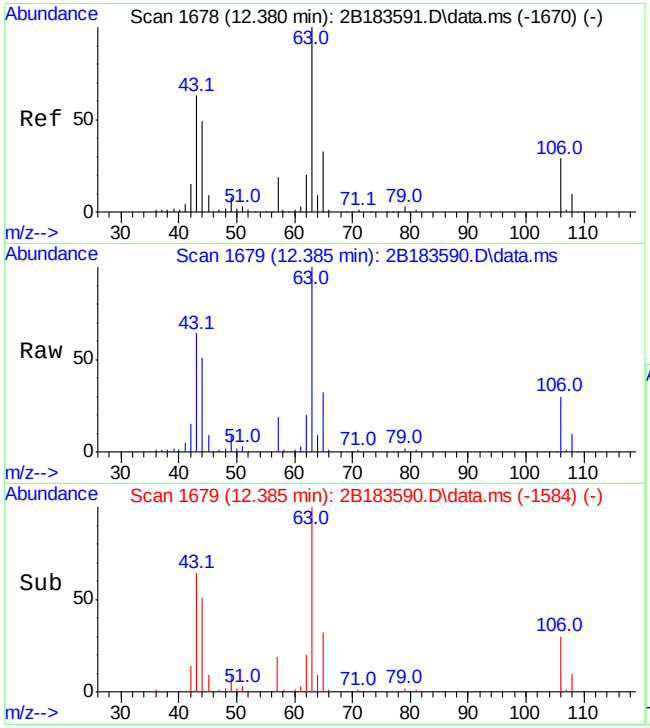


#62
2-nitropropane
Concen: 20.77 ug/L
RT: 12.306 min Scan# 1664
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 41 Resp: 14585

Ion	Ratio	Lower	Upper
41	100		
43	117.9	92.9	132.9
46	5.0	0.0	24.8
39	40.6	17.1	57.1

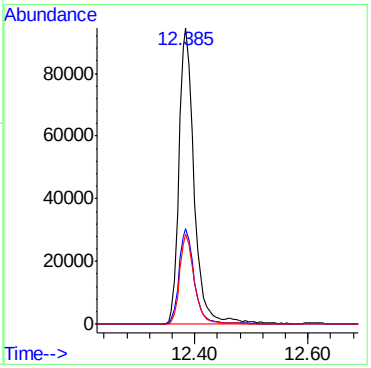


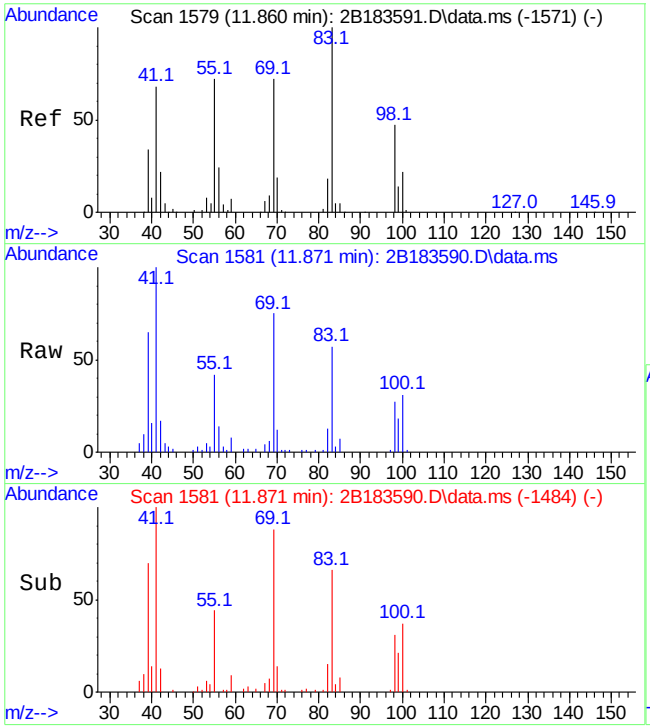


#63
2-chloroethyl vinyl ether
Concen: 113.36 ug/L
RT: 12.385 min Scan# 1679
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 63 Resp: 177721

Ion	Ratio	Lower	Upper
63	100		
65	32.3	2.7	62.7
106	30.2	0.0	59.0

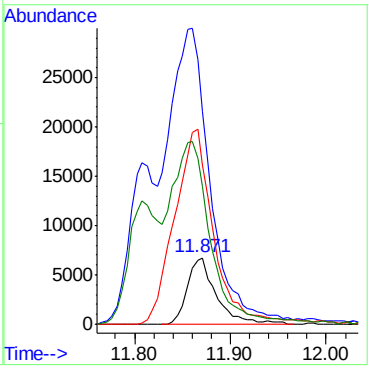


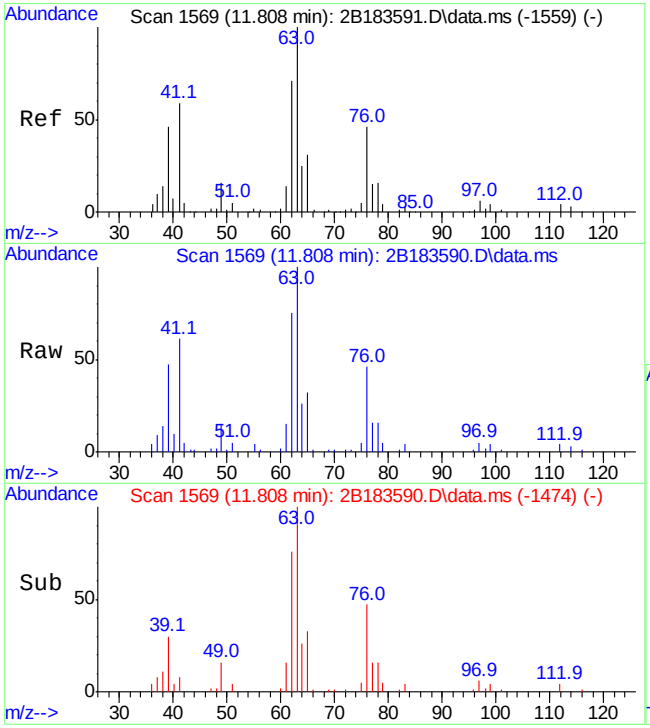


#64
methyl methacrylate
Concen: 22.88 ug/L
RT: 11.871 min Scan# 1581
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:100 Resp: 14059

Ion	Ratio	Lower	Upper
100	100		
41	312.6	492.5	552.5#
69	232.4	314.6	374.6#
39	200.3	285.7	345.7#

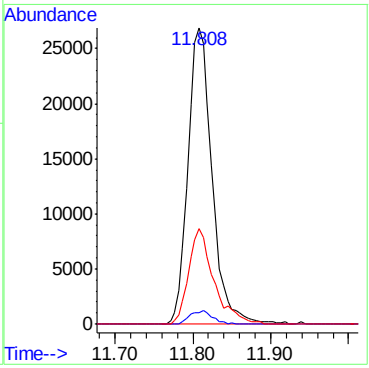


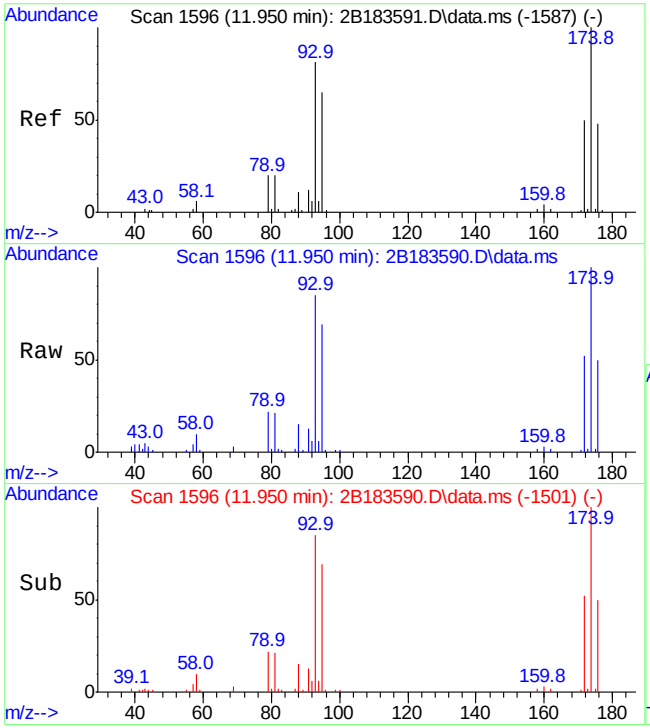


#65
1,2-dichloropropane
Concen: 21.49 ug/L
RT: 11.808 min Scan# 1569
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 63 Resp: 57413

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.9
65	32.1	1.3	61.3

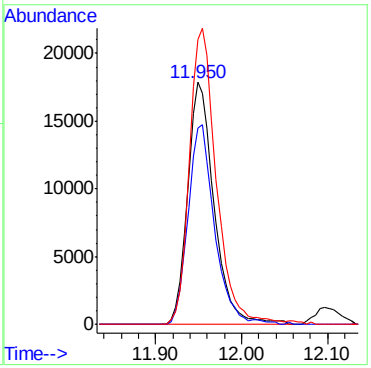


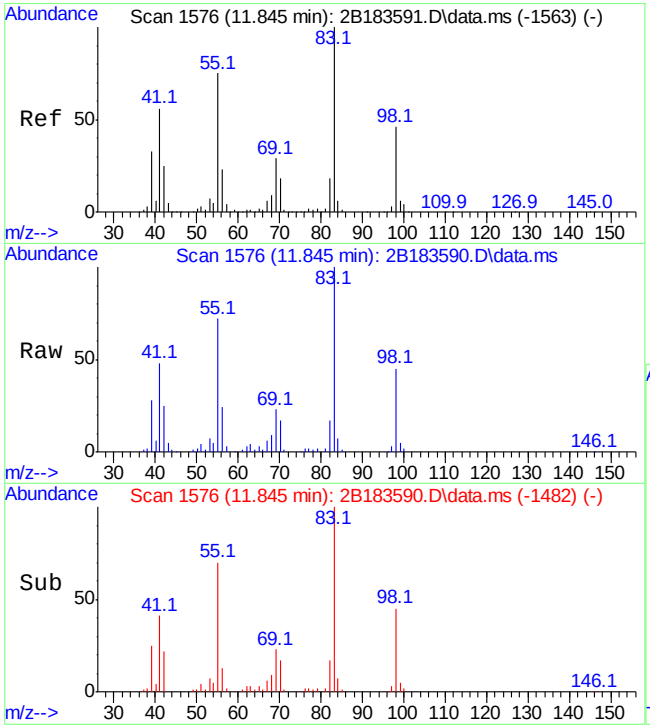


#66
dibromomethane
Concen: 21.20 ug/L
RT: 11.950 min Scan# 1596
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 93 Resp: 37825

Ion	Ratio	Lower	Upper
93	100		
95	81.3	50.5	110.5
174	117.7	94.1	154.1

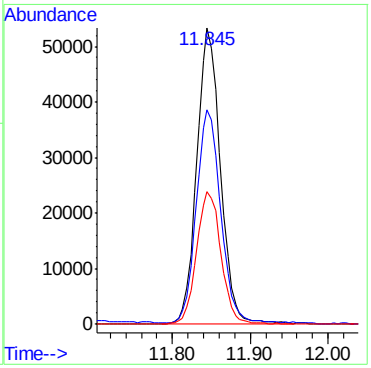


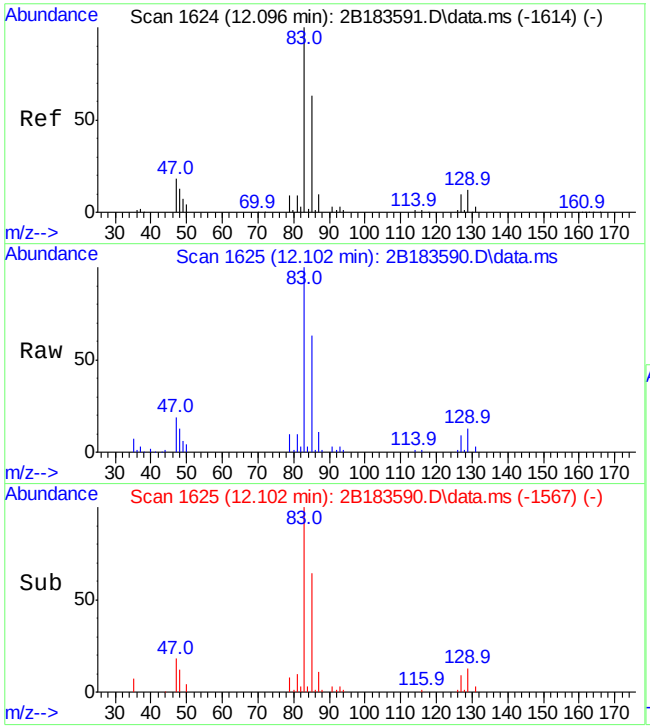


#67
methylcyclohexane
Concen: 22.42 ug/L
RT: 11.845 min Scan# 1576
Delta R.T. -0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 83 Resp: 112097

Ion	Ratio	Lower	Upper
83	100		
55	71.8	45.5	105.5
98	44.7	15.7	75.7

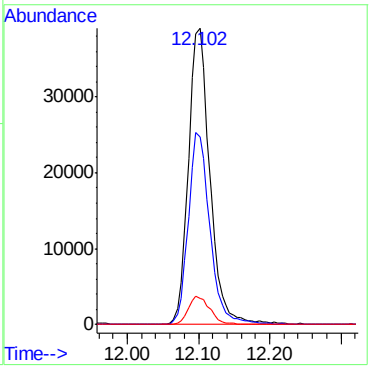


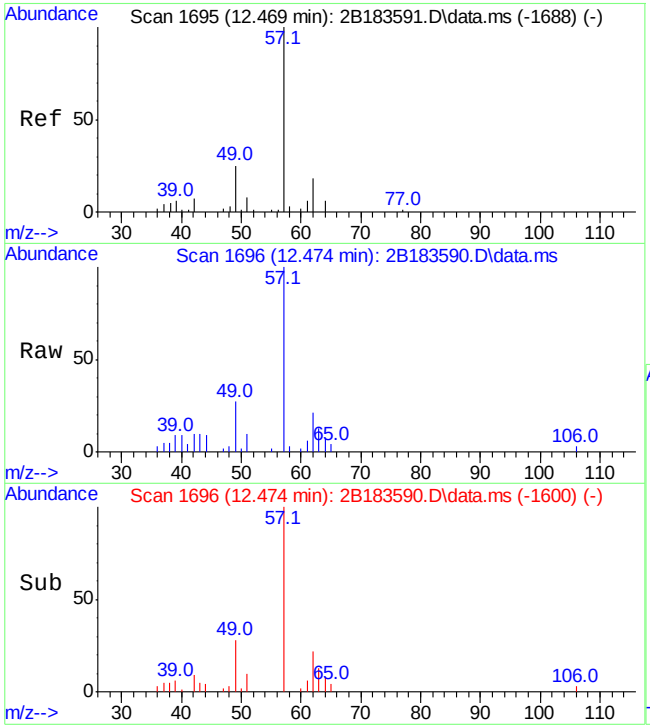


#68
bromodichloromethane
Concen: 21.62 ug/L
RT: 12.102 min Scan# 1625
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 83 Resp: 82043

Ion	Ratio	Lower	Upper
83	100		
85	63.3	33.2	93.2
127	8.8	0.0	39.5

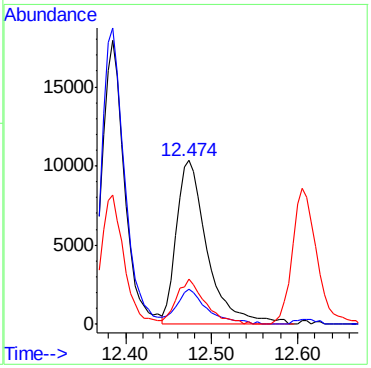


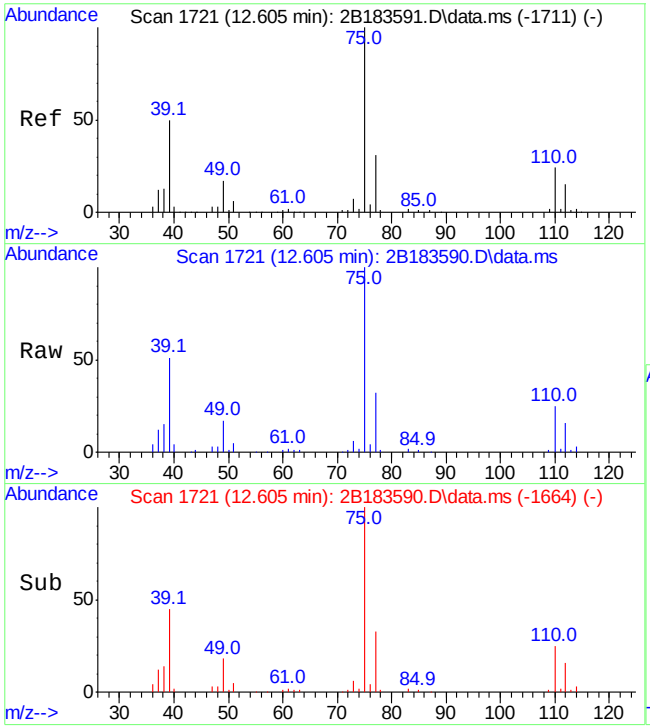


#69
epichlorohydrin
Concen: 108.56 ug/L
RT: 12.474 min Scan# 1696
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 57 Resp: 25793

Ion	Ratio	Lower	Upper
57	100		
62	19.3	0.4	40.4
49	25.3	4.3	44.3

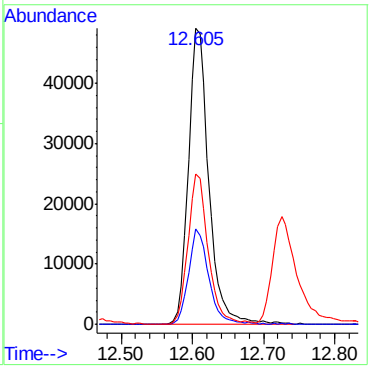


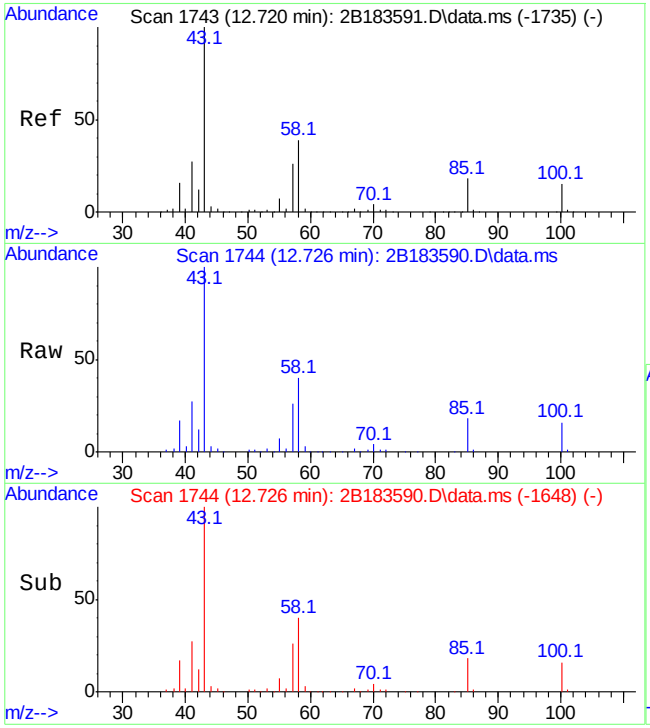


#70
cis-1,3-dichloropropene
Concen: 21.69 ug/L
RT: 12.605 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 75 Resp: 97656

Ion	Ratio	Lower	Upper
75	100		
77	32.3	1.4	61.4
39	50.9	19.8	79.8

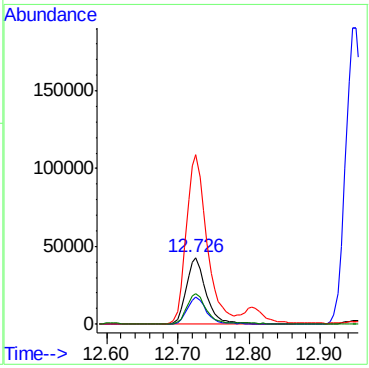


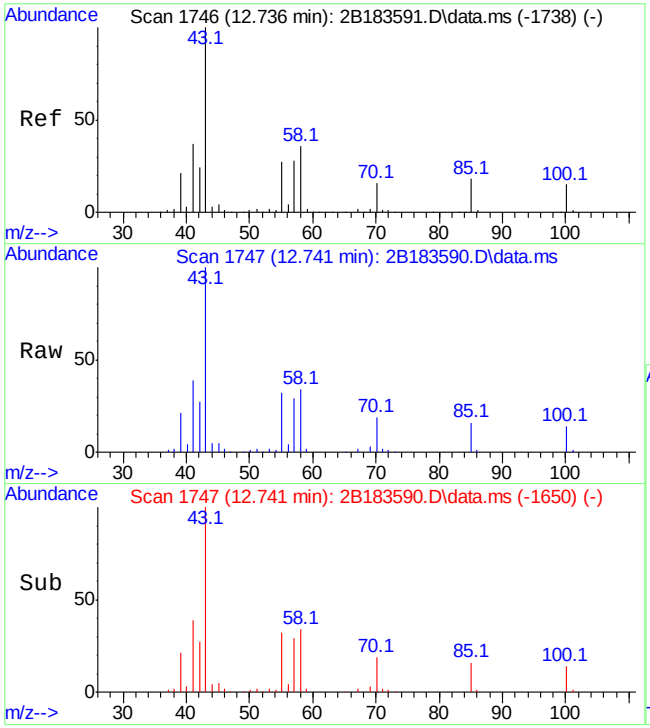


#71
4-methyl-2-pentanone
Concen: 89.68 ug/L
RT: 12.726 min Scan# 1744
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 58 Resp: 81958

Ion	Ratio	Lower	Upper
58	100		
100	39.7	8.6	68.6
43	253.0	223.3	283.3
85	45.6	16.6	76.6

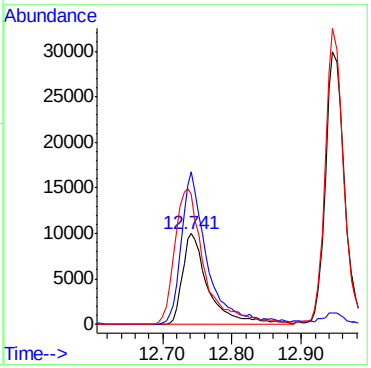


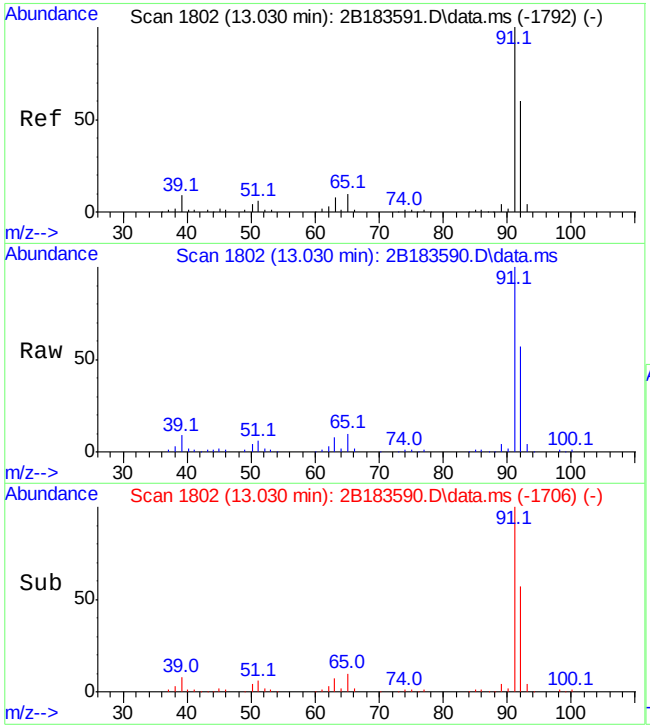


#72
3-methyl-1-butanol
Concen: 474.11 ug/L
RT: 12.741 min Scan# 1747
Delta R.T. 0.011 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 70 Resp: 25738

Ion	Ratio	Lower	Upper
70	100		
55	166.2	138.6	198.6
42	140.9	117.3	177.3

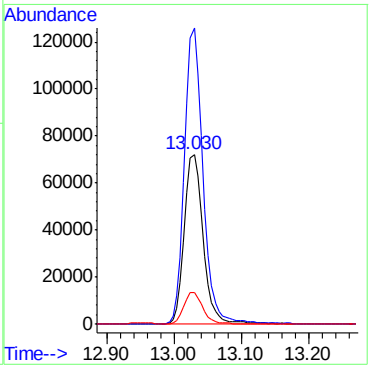


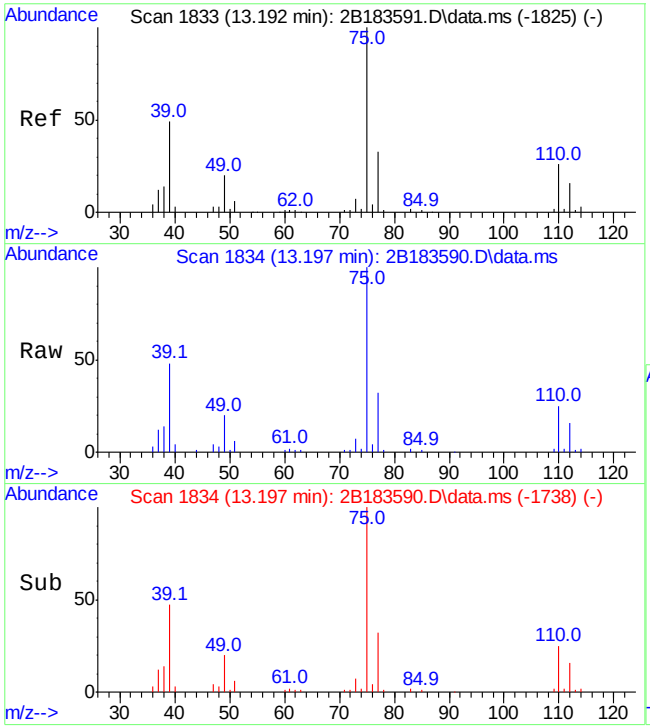


#75
toluene
Concen: 21.85 ug/L
RT: 13.030 min Scan# 1802
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 92 Resp: 140536

Ion	Ratio	Lower	Upper
92	100		
91	174.6	145.5	185.5
65	18.3	0.0	37.3

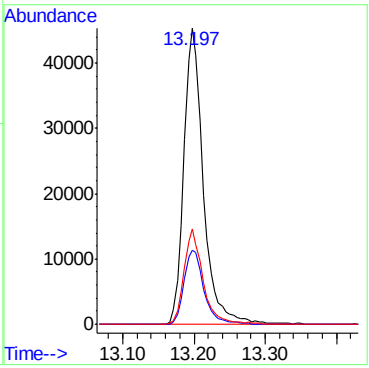


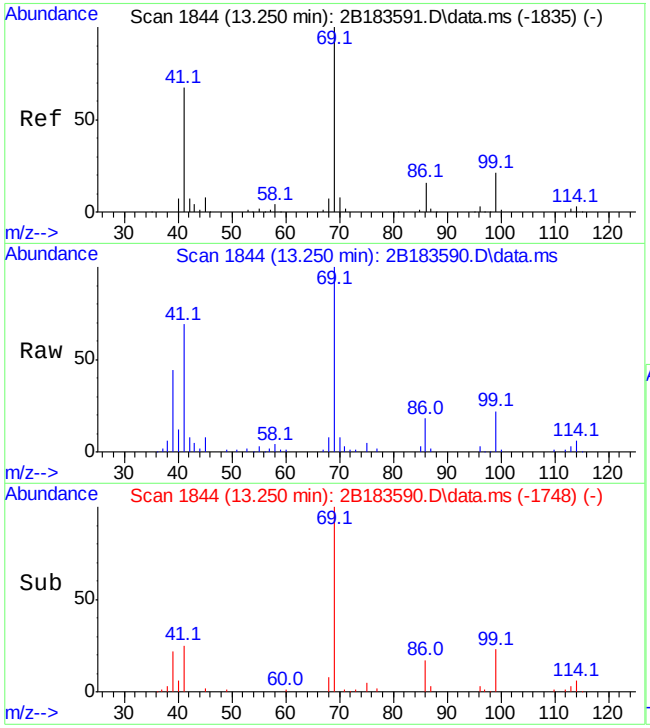


#76
trans-1,3-dichloropropene
Concen: 22.39 ug/L
RT: 13.197 min Scan# 1834
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 75 Resp: 86121

Ion	Ratio	Lower	Upper
75	100		
110	25.0	5.6	45.6
77	32.1	12.9	52.9

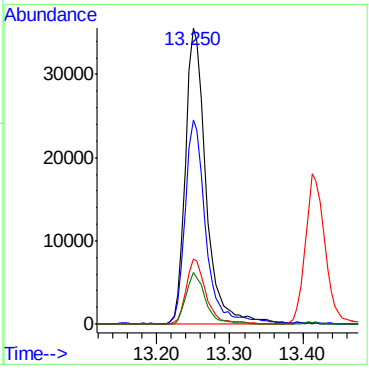


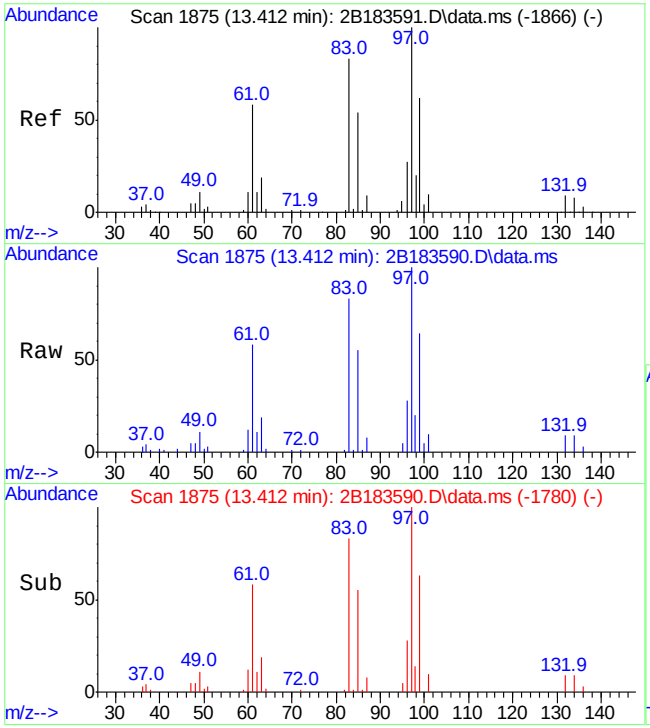


#77
ethyl methacrylate
Concen: 22.31 ug/L
RT: 13.250 min Scan# 1844
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 69 Resp: 69510

Ion	Ratio	Lower	Upper
69	100		
41	68.8	47.3	87.3
99	21.9	0.7	40.7
86	17.6	0.0	36.3

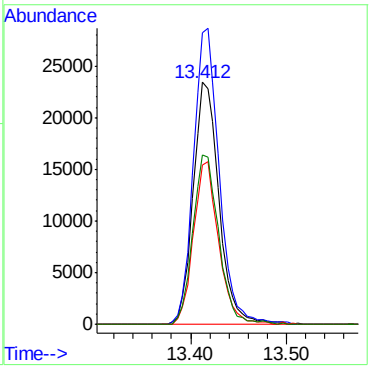


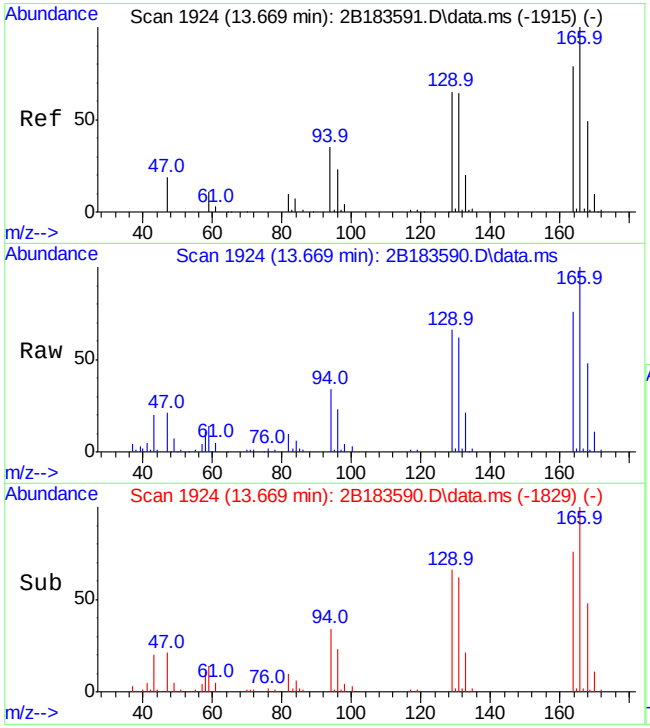


#78
1,1,2-trichloroethane
Concen: 22.01 ug/L
RT: 13.412 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 83 Resp: 43855

Ion	Ratio	Lower	Upper
83	100		
97	120.3	100.4	140.4
85	65.9	44.7	84.7
61	70.0	49.5	89.5

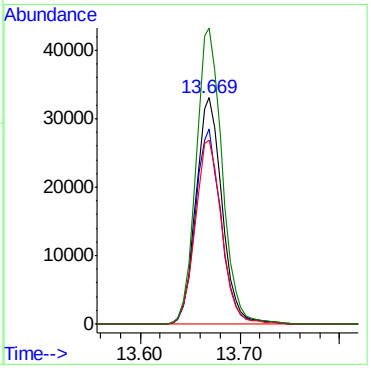


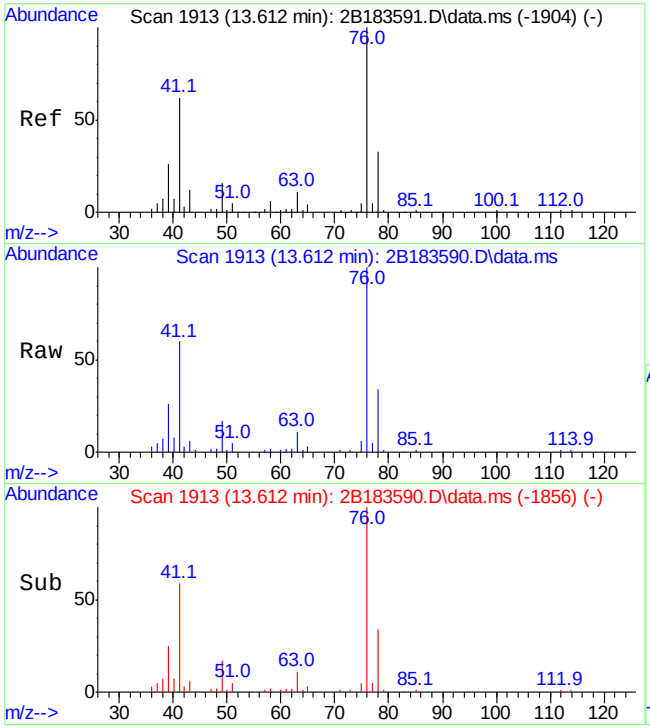


#79
tetrachloroethene
Concen: 21.54 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:164 Resp: 60279

Ion	Ratio	Lower	Upper
164	100		
129	86.2	52.8	112.8
131	81.4	51.2	111.2
166	130.9	97.3	157.3

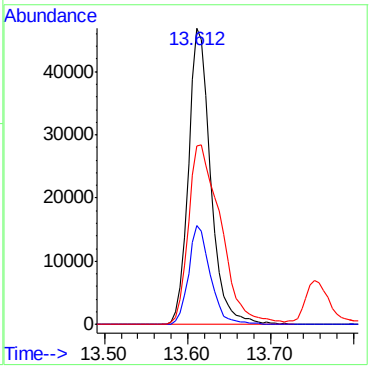


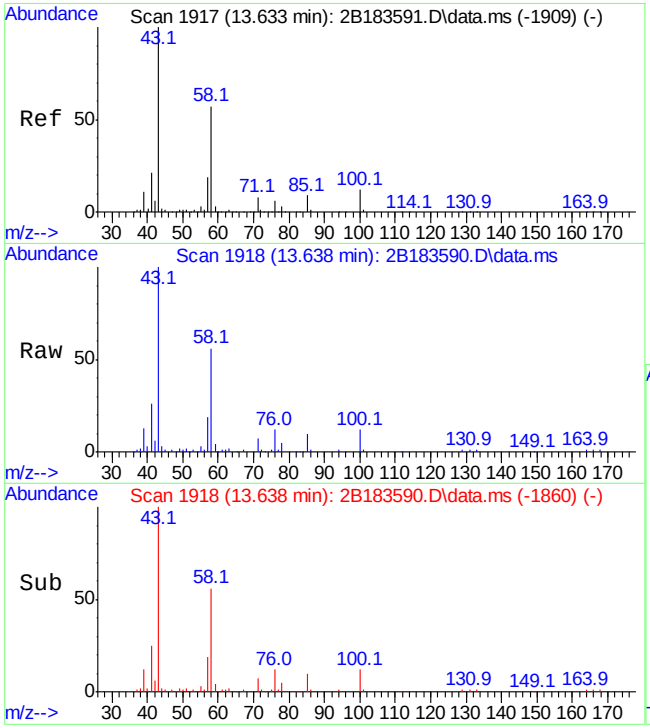


#80
1,3-dichloropropane
Concen: 21.54 ug/L
RT: 13.612 min Scan# 1913
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 76 Resp: 87064

Ion	Ratio	Lower	Upper
76	100		
78	33.6	2.9	62.9
41	60.2	31.5	91.5

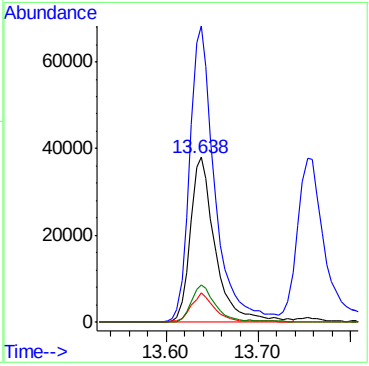


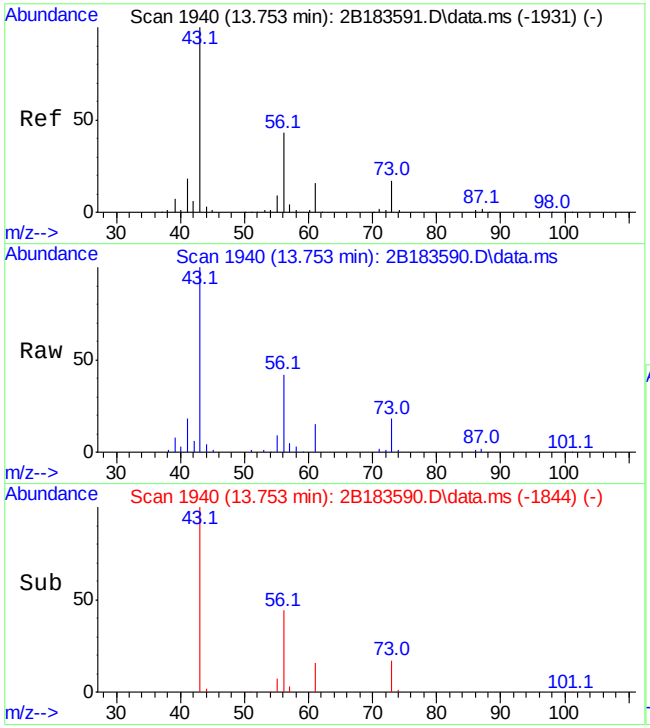


#81
2-hexanone
Concen: 91.79 ug/L
RT: 13.638 min Scan# 1918
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 58 Resp: 71600

Ion	Ratio	Lower	Upper
58	100		
43	179.8	156.8	196.8
85	17.6	0.0	35.7
100	22.3	0.5	40.5

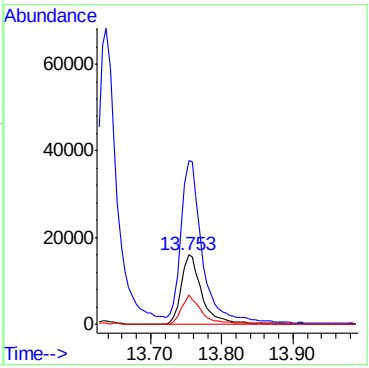


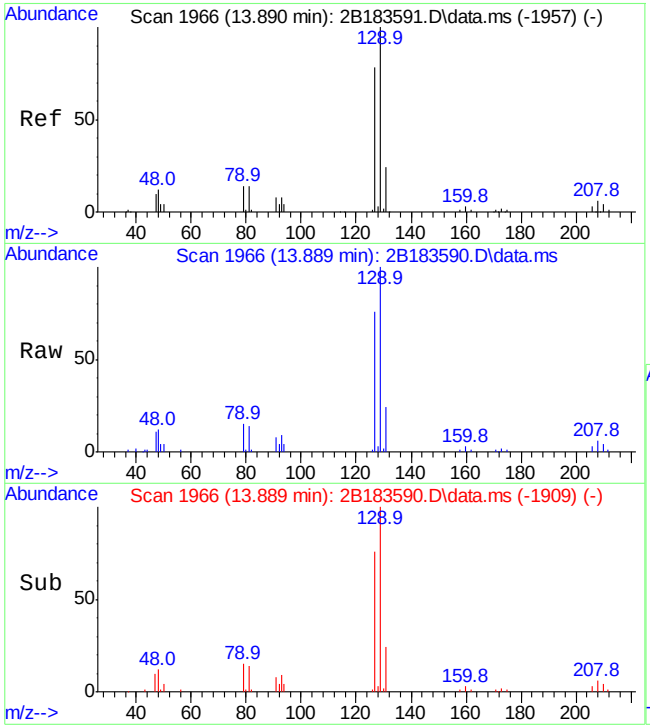


#82
butyl acetate
Concen: 22.00 ug/L
RT: 13.753 min Scan# 1940
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 56 Resp: 32747

Ion	Ratio	Lower	Upper
56	100		
43	234.1	205.4	265.4
73	41.6	8.9	68.9

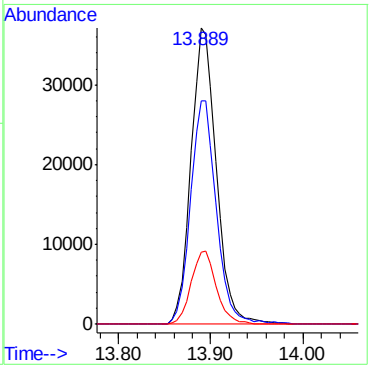


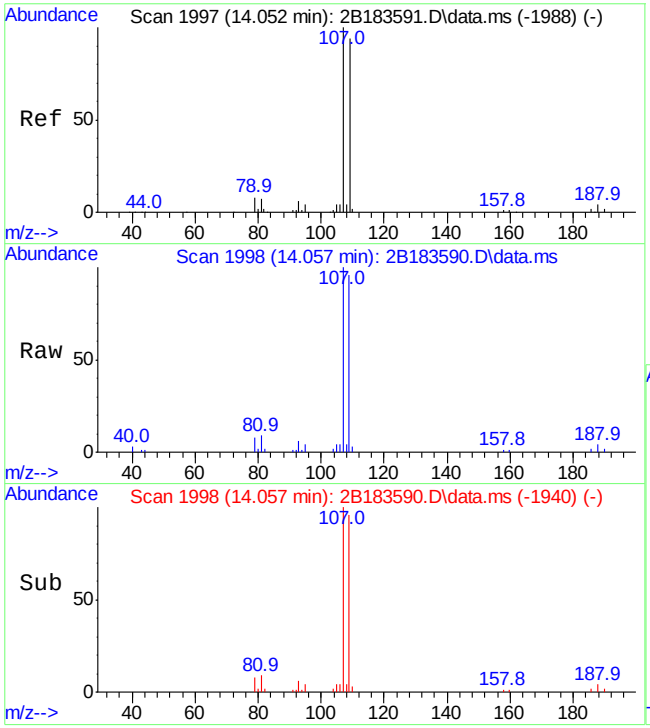


#83
dibromochloromethane
Concen: 21.92 ug/L
RT: 13.889 min Scan# 1966
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:129 Resp: 71379

Ion	Ratio	Lower	Upper
129	100		
127	75.6	47.6	107.6
131	24.1	0.0	54.0

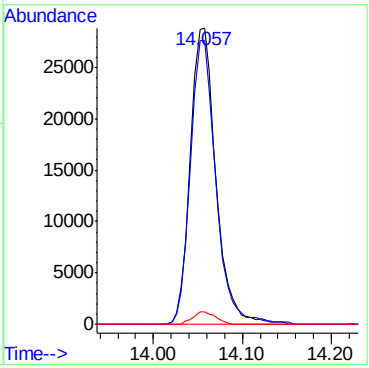


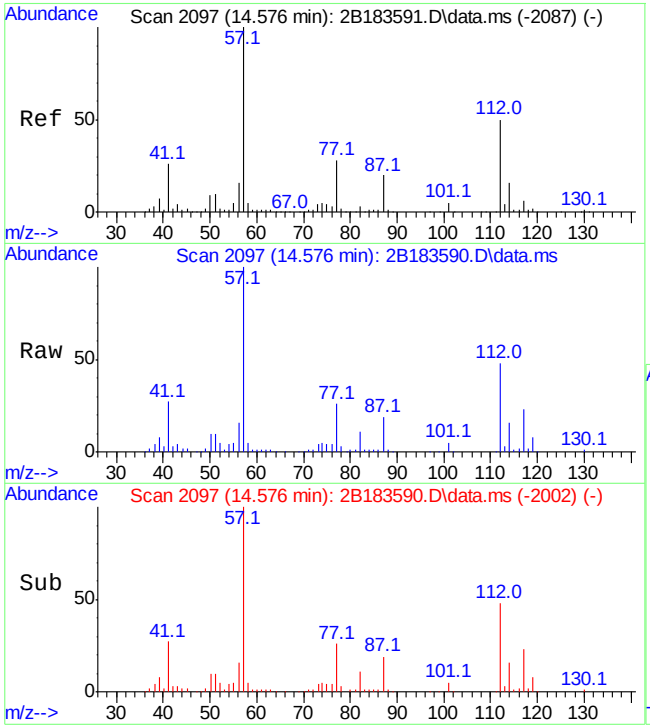


#84
1,2-dibromoethane
Concen: 21.88 ug/L
RT: 14.057 min Scan# 1998
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:107 Resp: 57645

Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.2	124.2
188	4.3	0.0	33.9

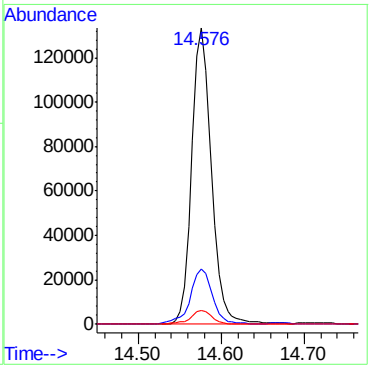


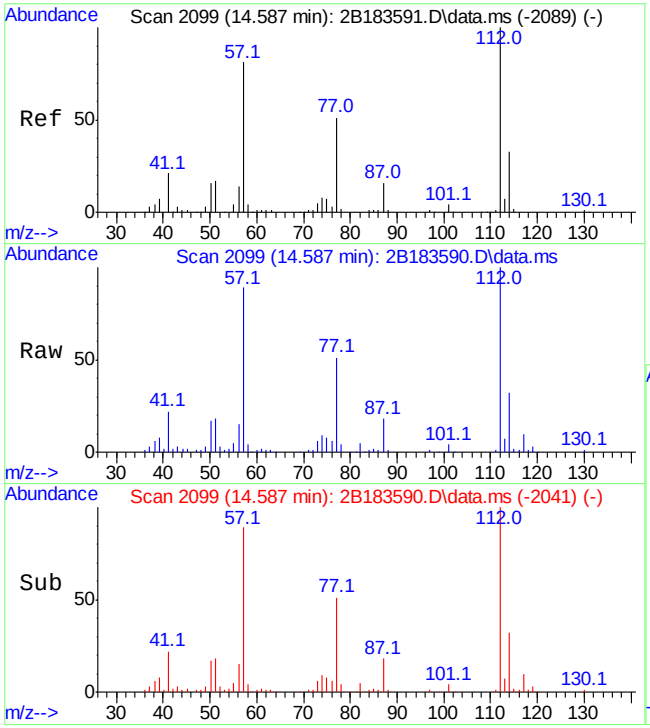


#85
n-butyl ether
Concen: 22.09 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 57 Resp: 219822

Ion	Ratio	Lower	Upper
57	100		
87	18.4	0.0	49.5
101	4.6	0.0	34.7

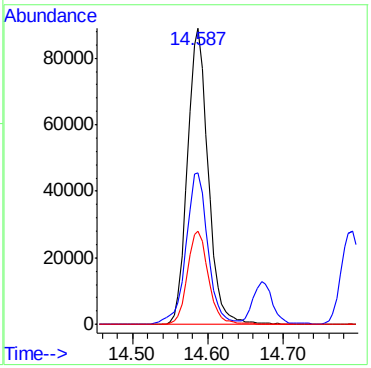


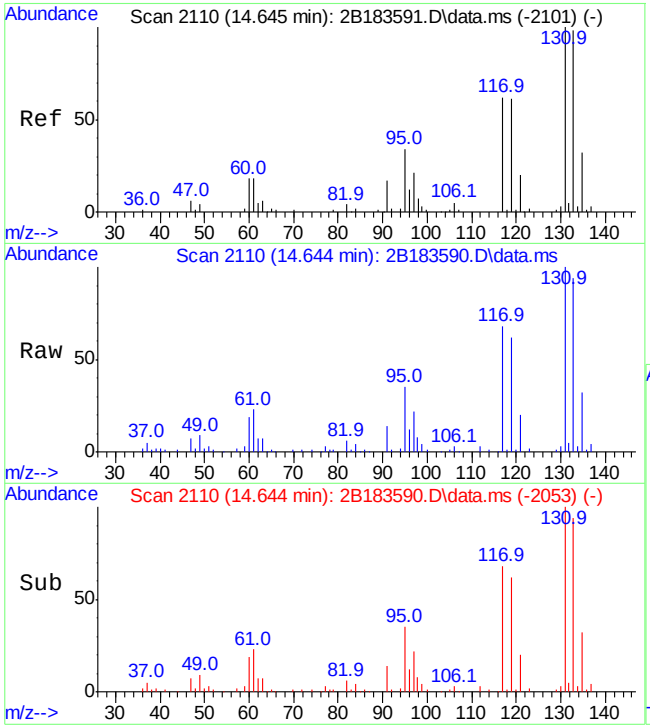


#86
chlorobenzene
Concen: 21.98 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:112 Resp: 168083

Ion	Ratio	Lower	Upper
112	100		
77	50.9	21.5	81.5
114	31.6	2.8	62.8

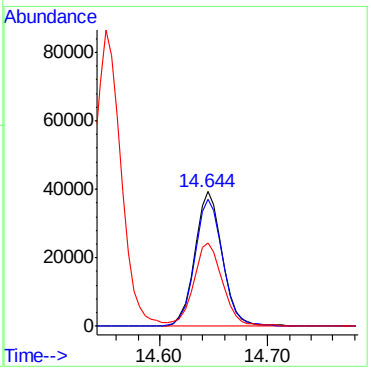


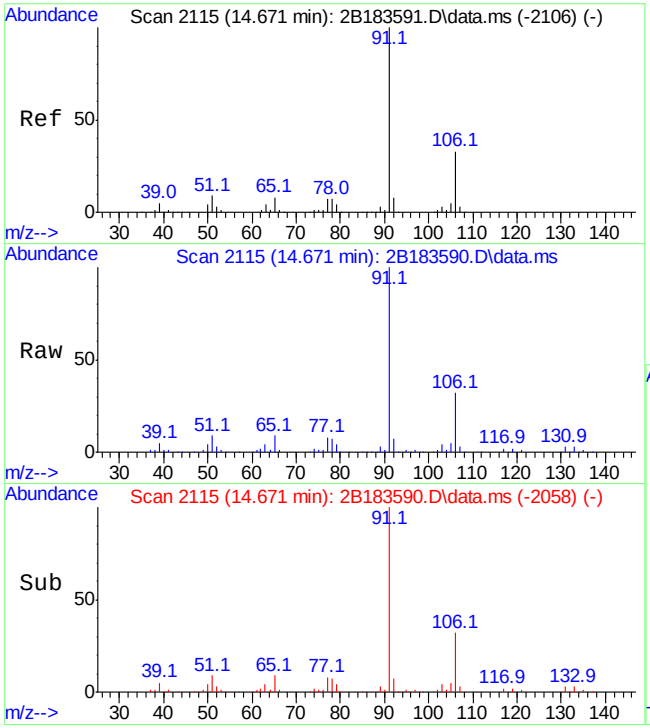


#87
1,1,1,2-tetrachloroethane
Concen: 21.69 ug/L
RT: 14.644 min Scan# 2110
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:131 Resp: 69184

Ion	Ratio	Lower	Upper
131	100		
133	94.4	67.8	127.8
119	61.5	32.9	92.9

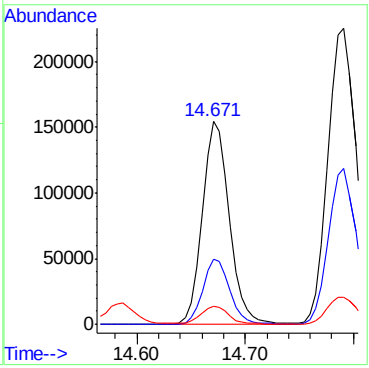


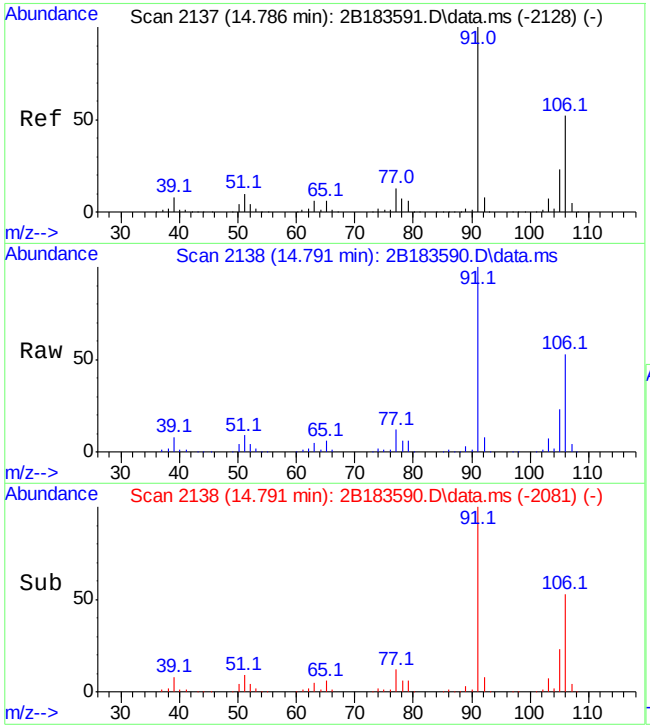


#88
ethylbenzene
Concen: 21.93 ug/L
RT: 14.671 min Scan# 2115
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 91 Resp: 270630

Ion	Ratio	Lower	Upper
91	100		
106	32.2	3.0	63.0
51	8.8	0.0	39.2

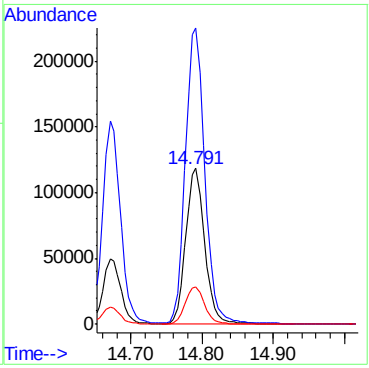


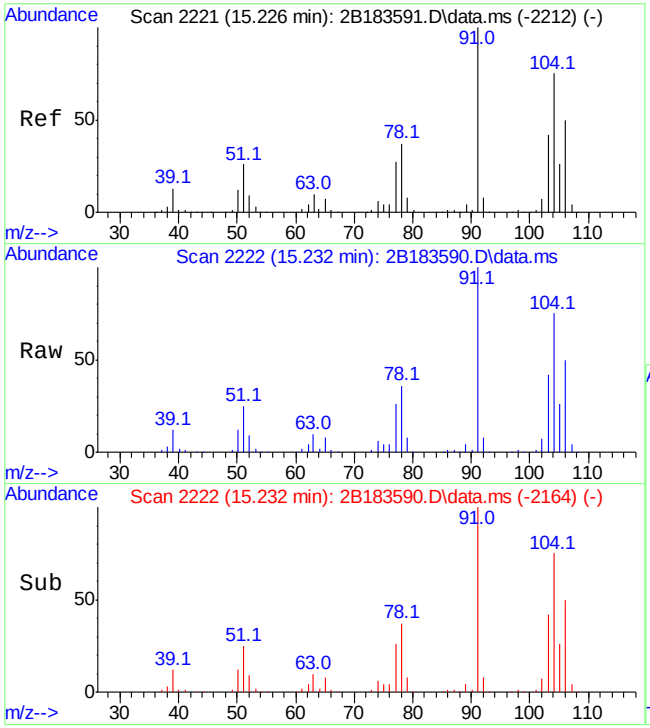


#89
m,p-xylene
Concen: 44.02 ug/L
RT: 14.791 min Scan# 2138
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:106 Resp: 219450

Ion	Ratio	Lower	Upper
106	100		
91	189.7	162.7	222.7
77	23.6	5.0	45.0

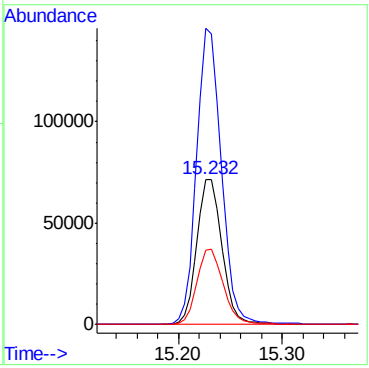


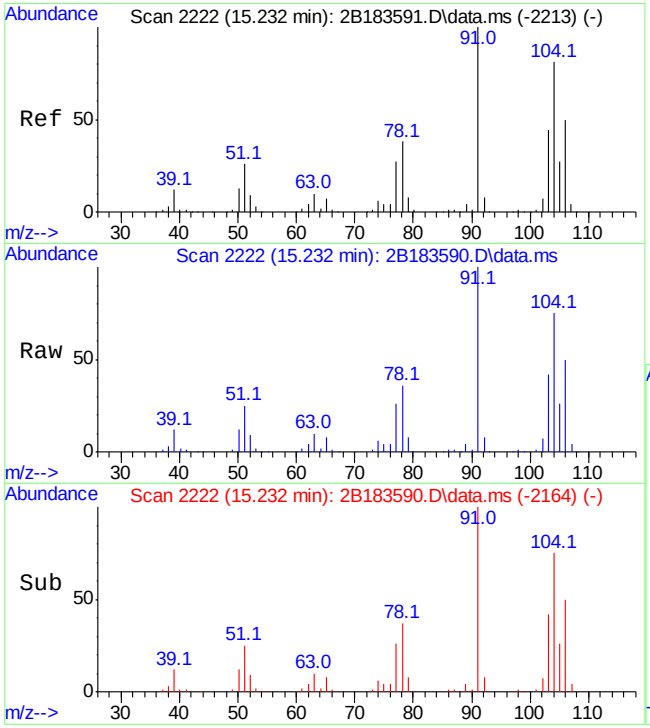


#90
o-xylene
Concen: 22.50 ug/L
RT: 15.232 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:106 Resp: 119511

Ion	Ratio	Lower	Upper
106	100		
91	200.9	169.5	229.5
77	52.4	33.1	73.1

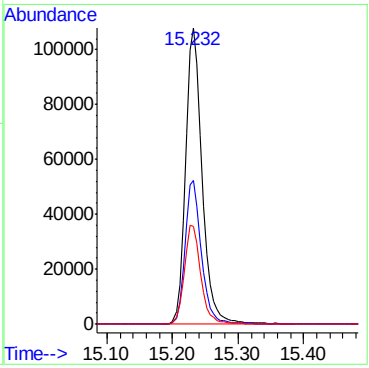


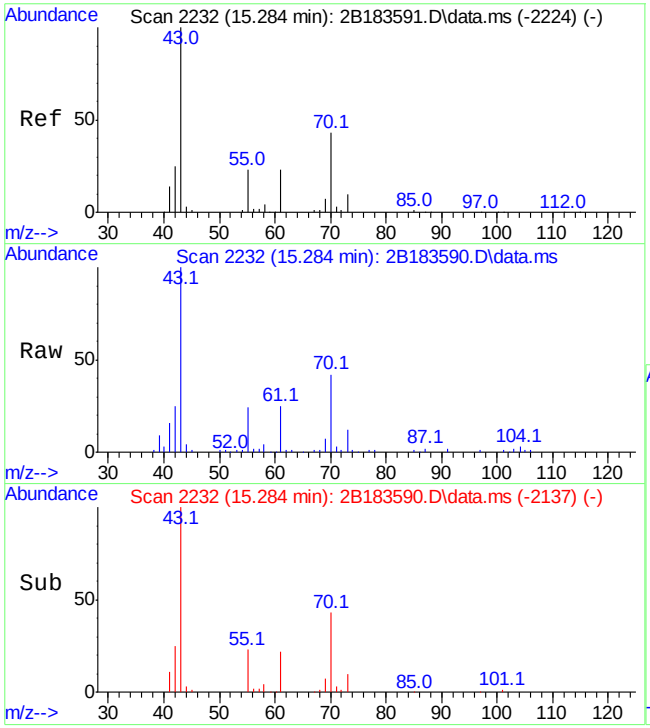


#91
styrene
Concen: 22.63 ug/L
RT: 15.232 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:104 Resp: 192038

Ion	Ratio	Lower	Upper
104	100		
78	48.5	16.8	76.8
51	33.1	2.1	62.1

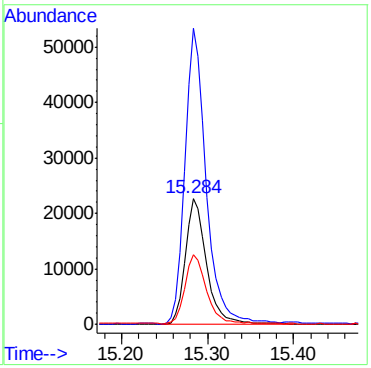


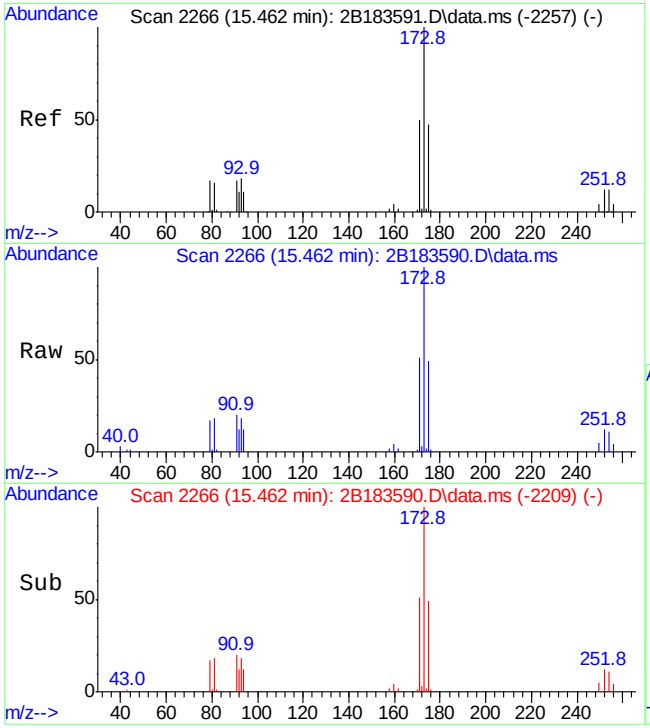


#92
n-amyl acetate
Concen: 22.22 ug/L
RT: 15.284 min Scan# 2232
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 70 Resp: 38879

Ion	Ratio	Lower	Upper
70	100		
43	235.3	202.3	262.3
55	55.4	23.6	83.6

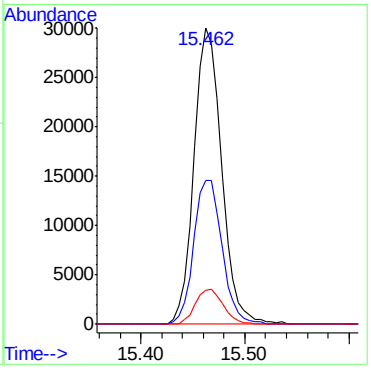


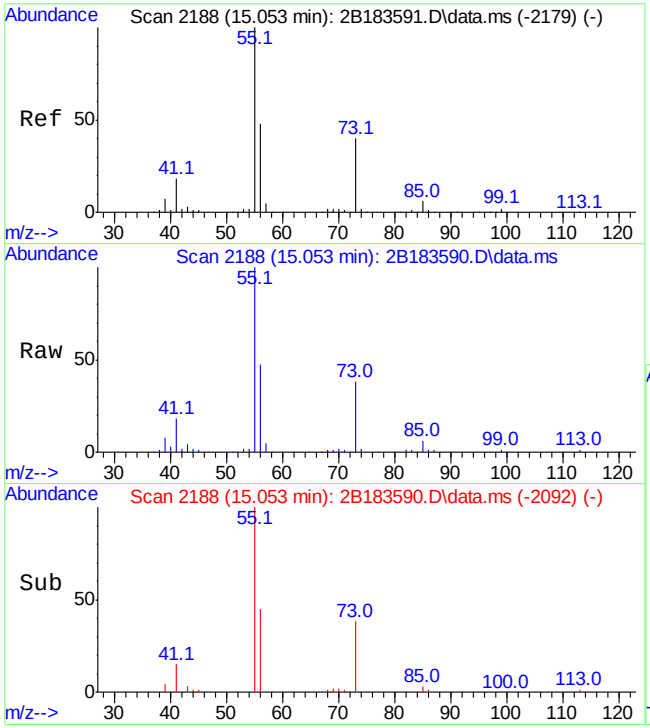


#93
bromoform
Concen: 21.55 ug/L
RT: 15.462 min Scan# 2266
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:173 Resp: 55234

Ion	Ratio	Lower	Upper
173	100		
175	48.6	17.3	77.3
254	11.4	0.0	42.0

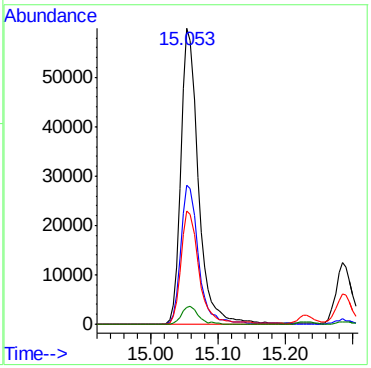


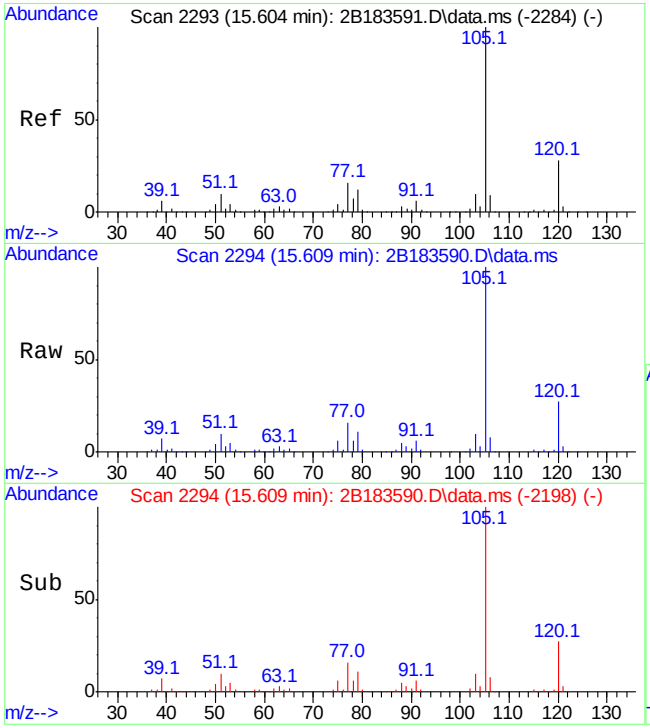


#94
butyl acrylate
Concen: 22.19 ug/L
RT: 15.053 min Scan# 2188
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 55 Resp: 108672

Ion	Ratio	Lower	Upper
55	100		
56	47.0	18.2	78.2
73	38.4	10.0	70.0
85	5.7	0.0	35.9

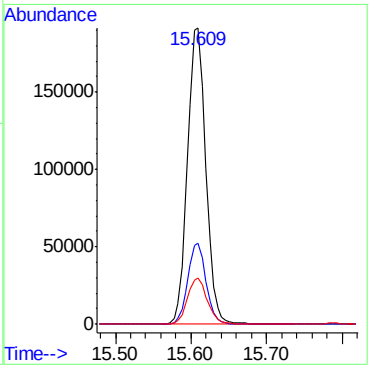


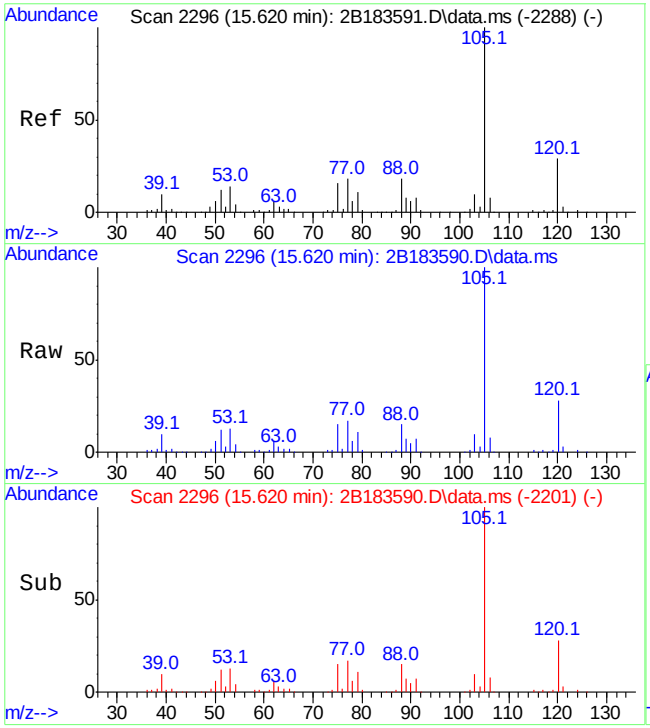


#95
isopropylbenzene
Concen: 22.11 ug/L
RT: 15.609 min Scan# 2294
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:105 Resp: 320354

Ion	Ratio	Lower	Upper
105	100		
120	27.3	7.6	47.6
77	15.6	0.0	35.7

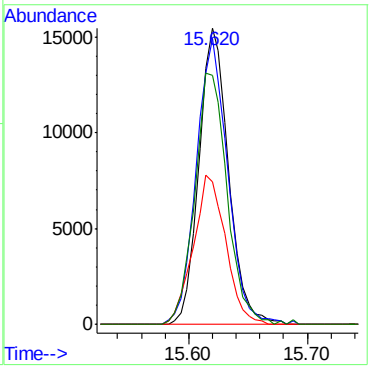


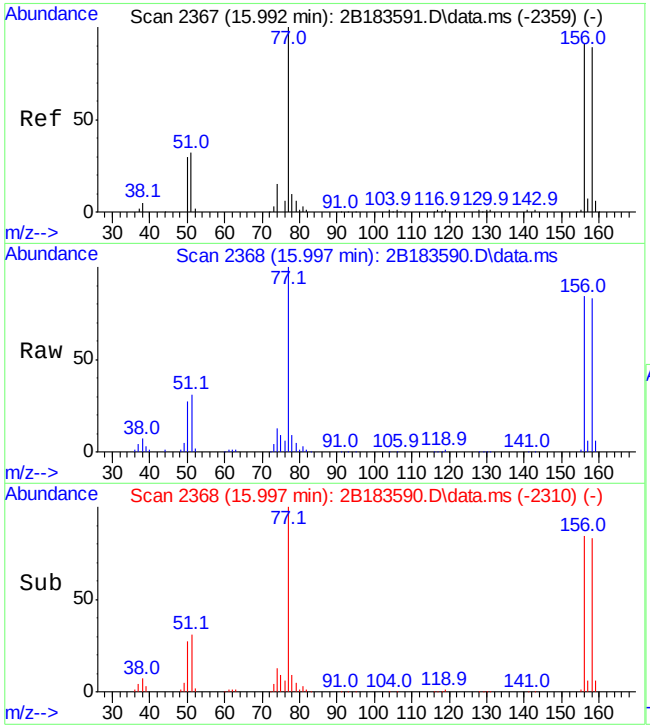


#96
cis-1,4-dichloro-2-butene
Concen: 21.97 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 88 Resp: 26839

Ion	Ratio	Lower	Upper
88	100		
75	96.6	74.3	114.3
89	48.2	26.9	66.9
53	84.1	62.3	102.3

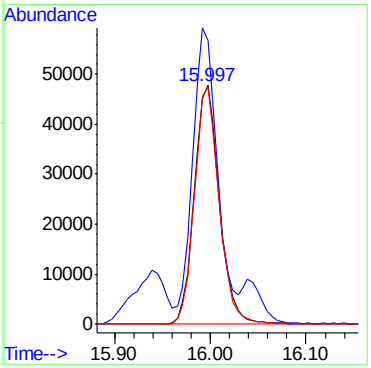


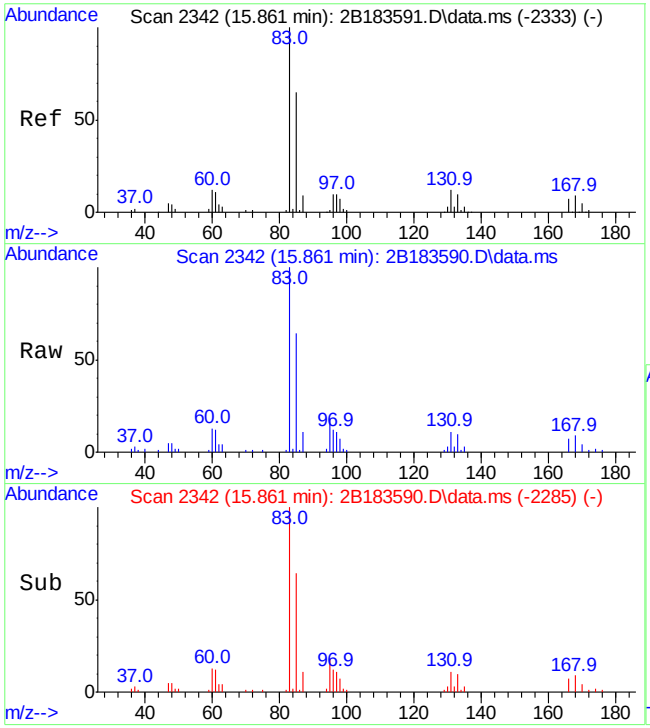


#99
bromobenzene
Concen: 22.02 ug/L
RT: 15.997 min Scan# 2368
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:156 Resp: 86174

Ion	Ratio	Lower	Upper
156	100		
77	118.3	94.4	154.4
158	98.9	68.2	128.2

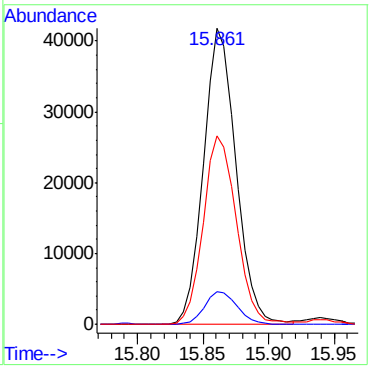


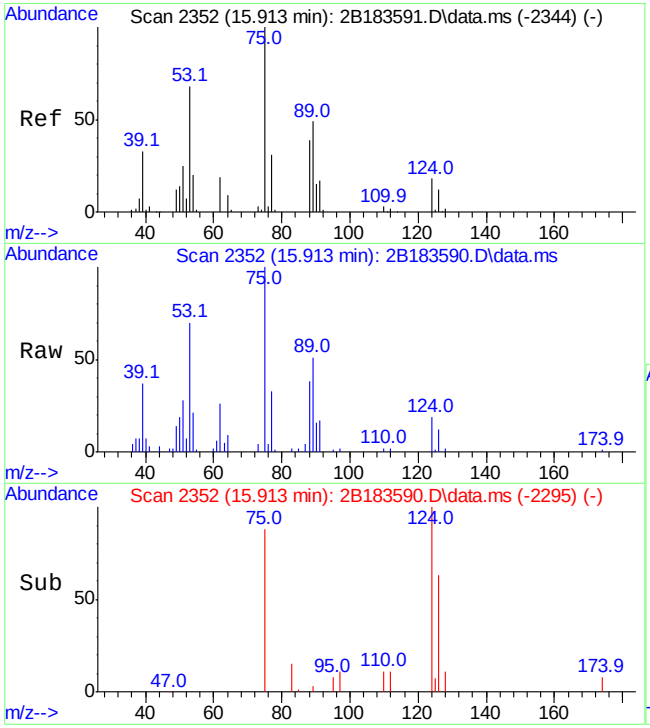


#100
1,1,2,2-tetrachloroethane
Concen: 22.27 ug/L
RT: 15.861 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 83 Resp: 71763

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	41.6
85	63.8	34.8	94.8

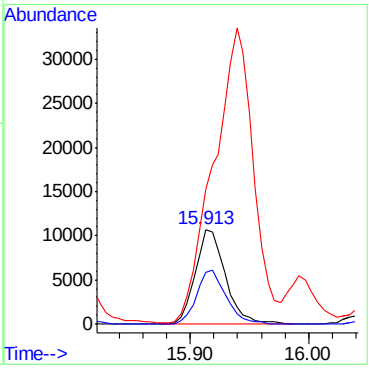


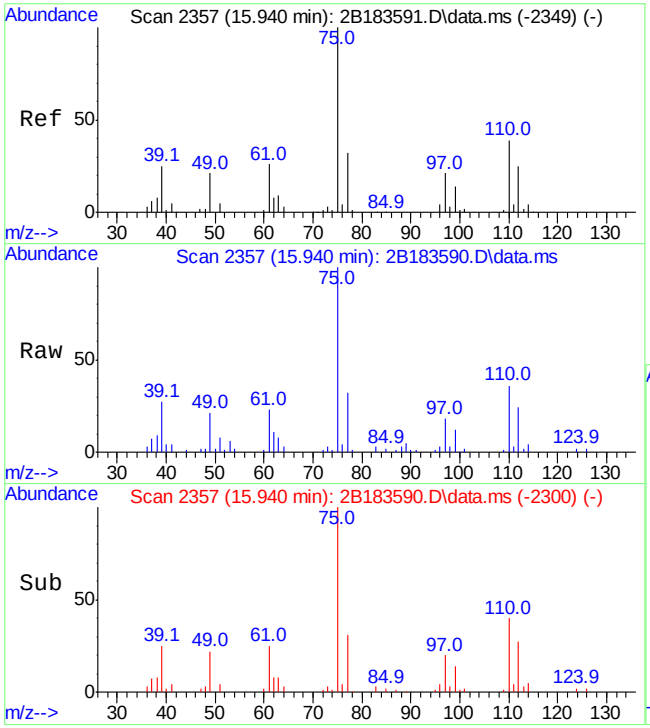


#101
trans-1,4-dichloro-2-butene
Concen: 22.57 ug/L
RT: 15.913 min Scan# 2352
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 53 Resp: 18873

Ion	Ratio	Lower	Upper
53	100		
88	54.2	26.5	86.5
75	140.9	116.8	176.8

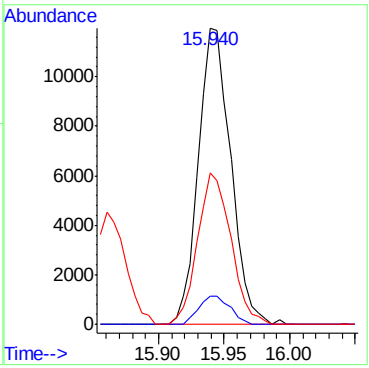


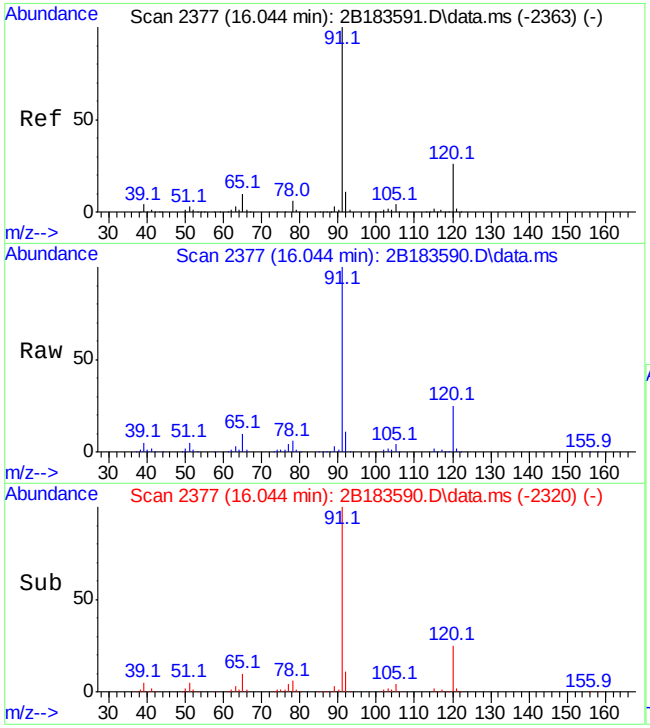


#102
1,2,3-trichloropropane
Concen: 22.03 ug/L
RT: 15.940 min Scan# 2357
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:110 Resp: 20581

Ion	Ratio	Lower	Upper
110	100		
111	9.5	0.0	40.7
97	51.0	23.2	83.2

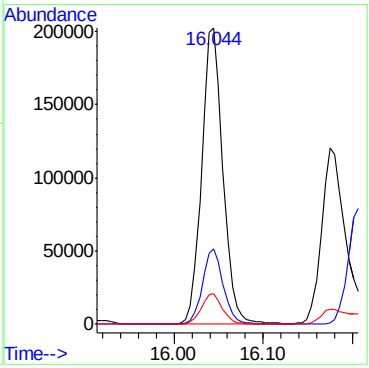


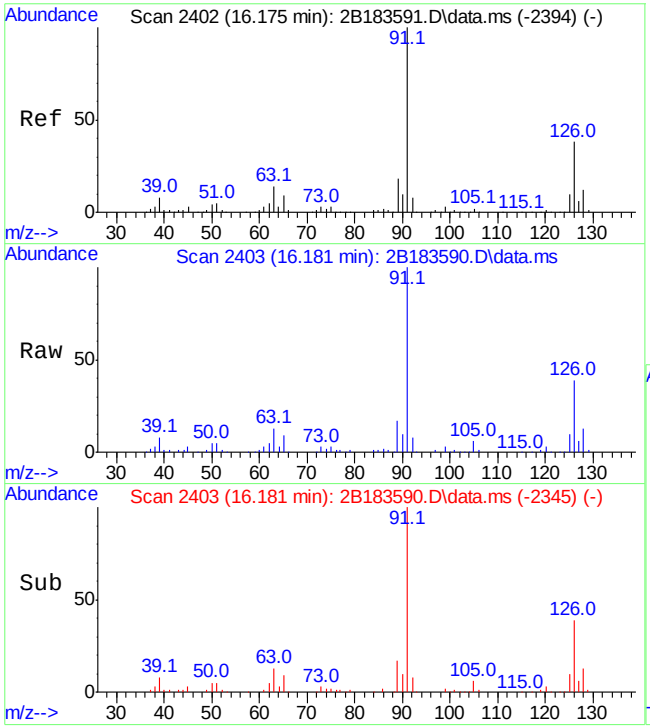


#103
n-propylbenzene
Concen: 22.45 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 91 Resp: 336400

Ion	Ratio	Lower	Upper
91	100		
120	25.3	0.0	55.5
65	10.1	0.0	39.9

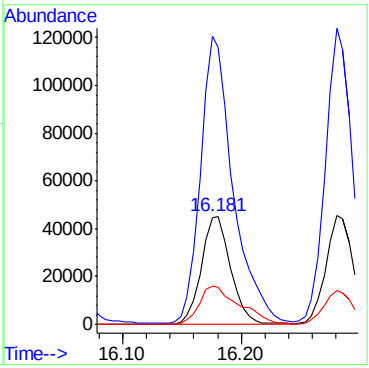


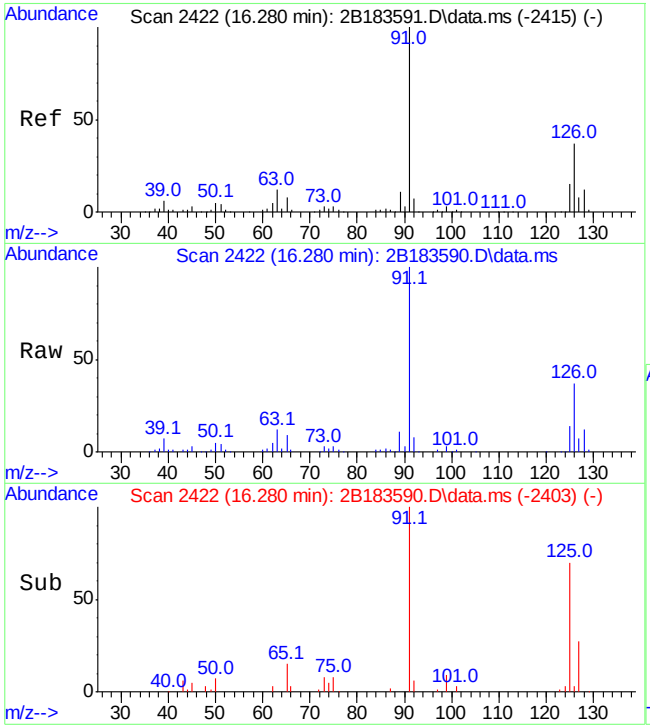


#104
2-chlorotoluene
Concen: 22.00 ug/L
RT: 16.181 min Scan# 2403
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:126 Resp: 77703

Ion	Ratio	Lower	Upper
126	100		
91	255.7	233.1	293.1
63	34.5	6.5	66.5

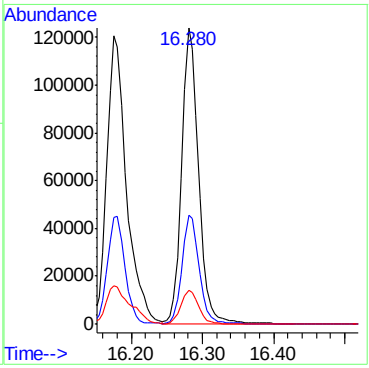


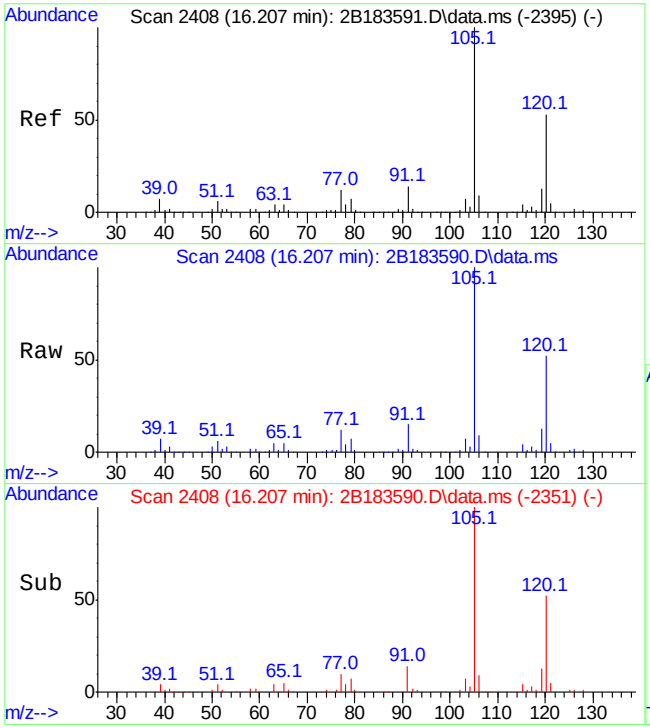


#105
4-chlorotoluene
Concen: 21.49 ug/L
RT: 16.280 min Scan# 2422
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 91 Resp: 203327

Ion	Ratio	Lower	Upper
91	100		
126	36.8	7.4	67.4
63	11.5	0.0	42.1

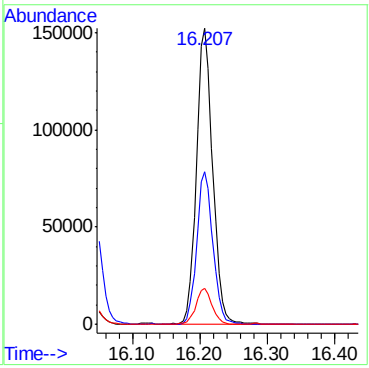


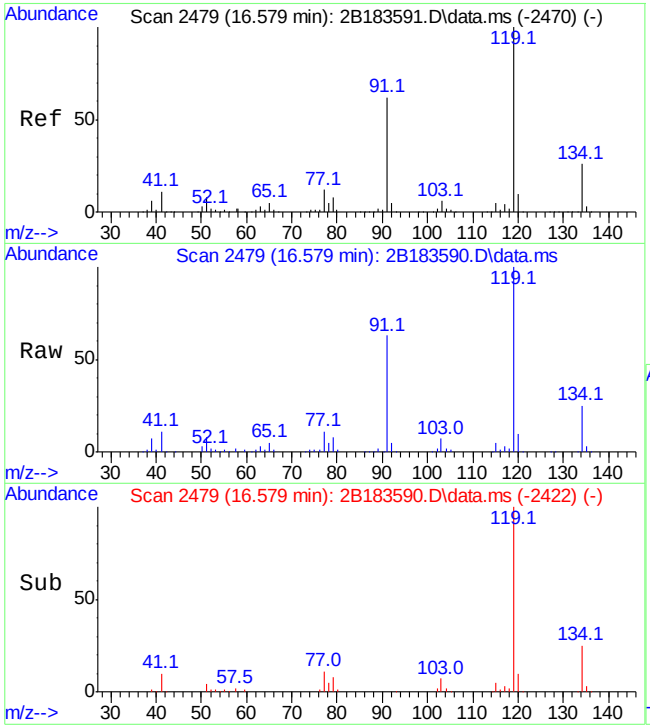


#106
1,3,5-trimethylbenzene
Concen: 22.61 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:105 Resp: 256124

Ion	Ratio	Lower	Upper
105	100		
120	51.7	22.7	82.7
77	12.0	0.0	42.1

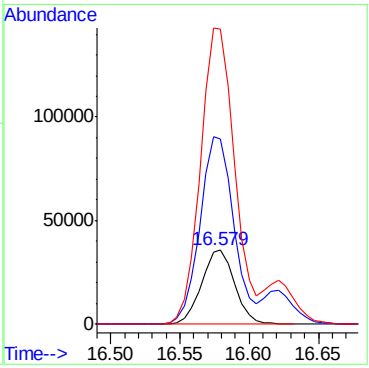


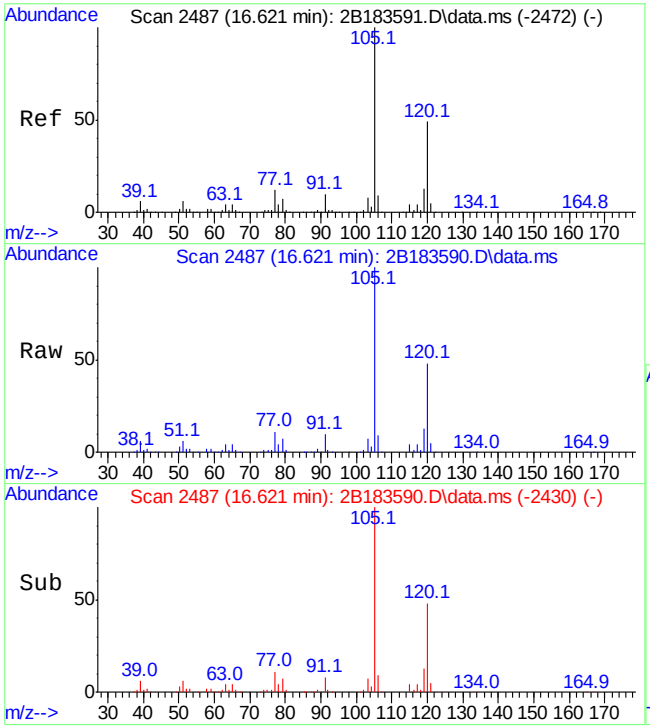


#107
tert-butylbenzene
Concen: 22.10 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:134 Resp: 59506

Ion	Ratio	Lower	Upper
134	100		
91	250.3	208.1	268.1
119	399.8	353.9	413.9

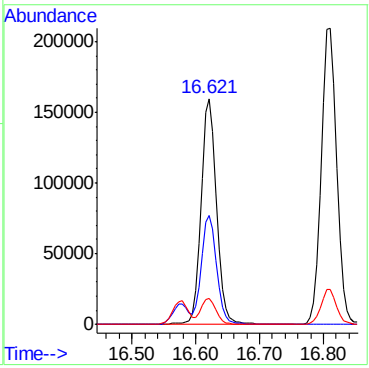


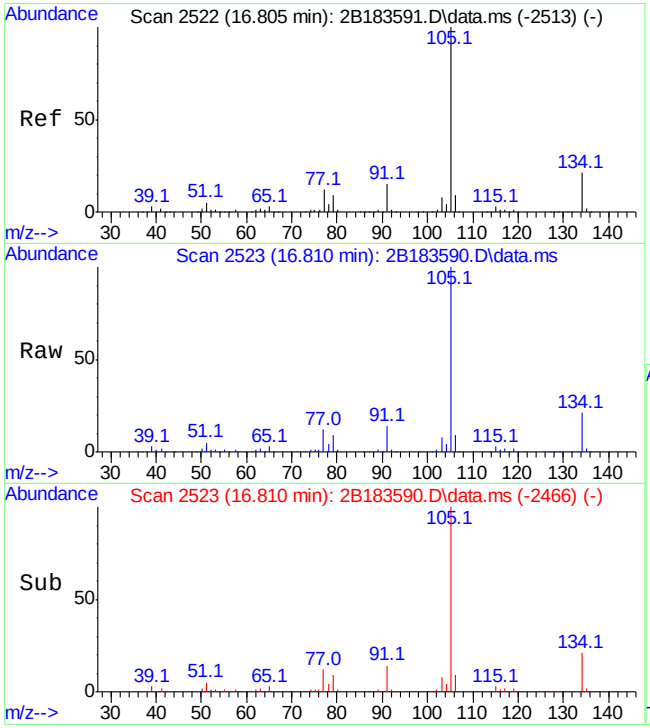


#108
1,2,4-trimethylbenzene
Concen: 22.56 ug/L
RT: 16.621 min Scan# 2487
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:105 Resp: 265970

Ion	Ratio	Lower	Upper
105	100		
120	48.0	19.5	79.5
77	11.5	0.0	41.6

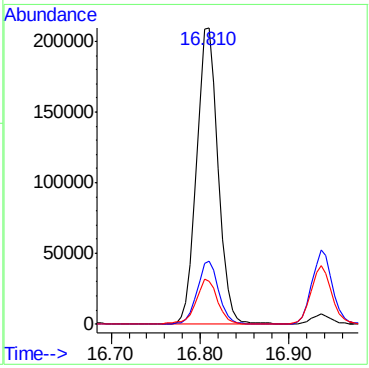


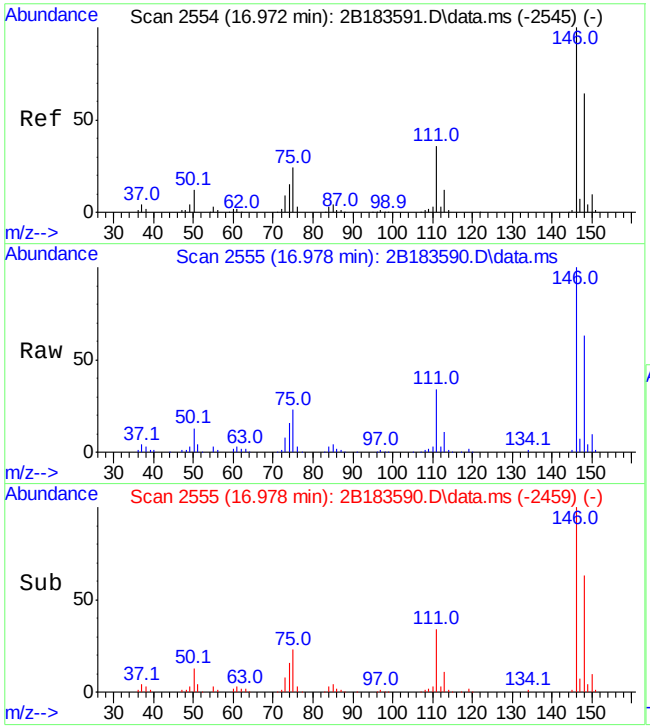


#109
sec-butylbenzene
Concen: 22.43 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:105 Resp: 351624

Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	50.9
91	14.2	0.0	44.9

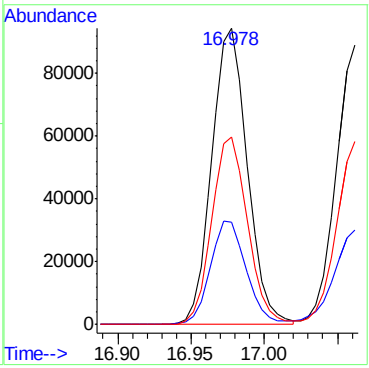


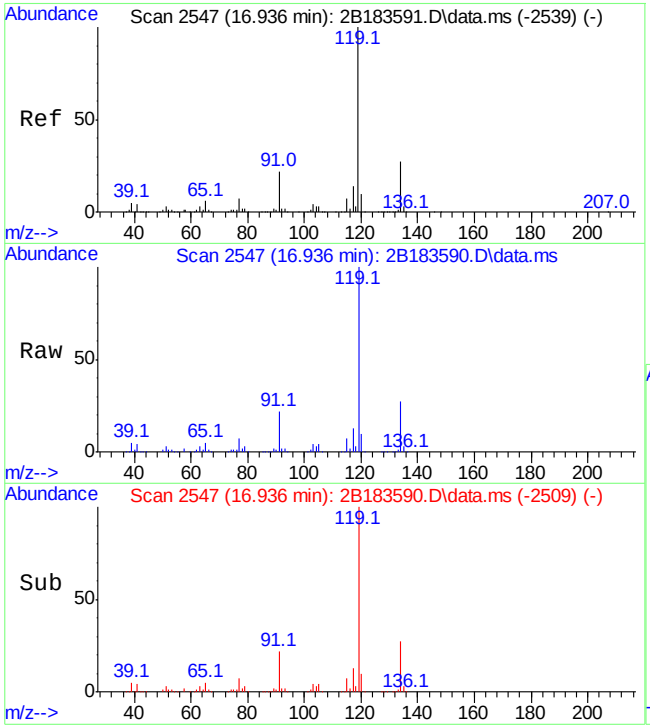


#110
1,3-dichlorobenzene
Concen: 21.42 ug/L
RT: 16.978 min Scan# 2555
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:146 Resp: 157784

Ion	Ratio	Lower	Upper
146	100		
111	34.4	6.0	66.0
148	63.4	34.1	94.1

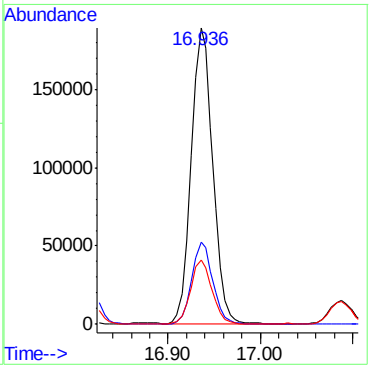


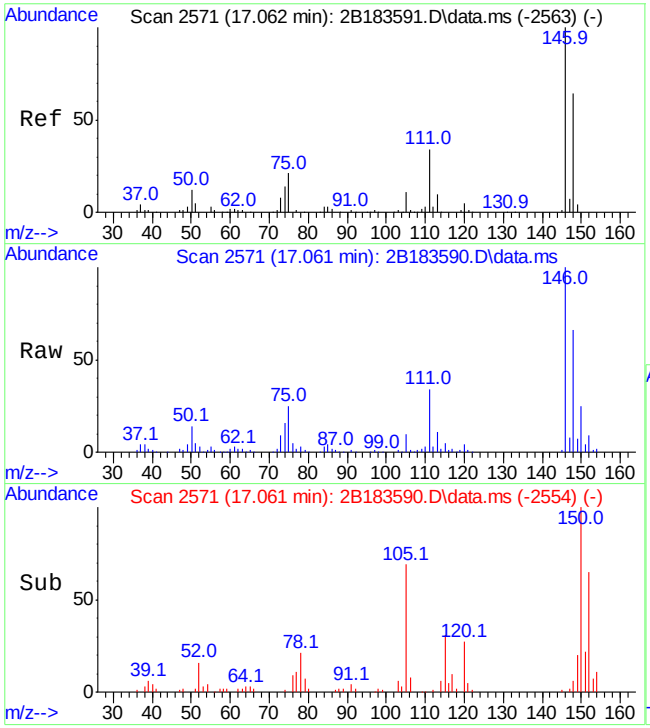


#111
p-isopropyltoluene
Concen: 22.28 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:119 Resp: 306119

Ion	Ratio	Lower	Upper
119	100		
134	27.4	0.0	57.3
91	21.8	0.0	51.8

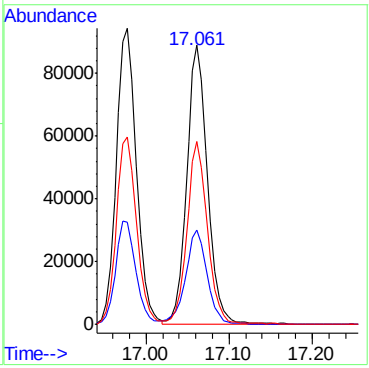


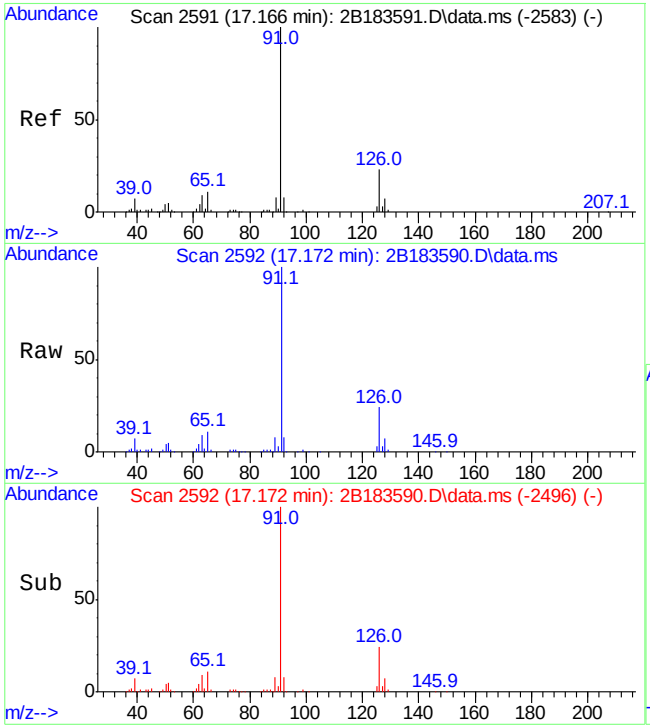


#112
1,4-dichlorobenzene
Concen: 21.44 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:146 Resp: 154984

Ion	Ratio	Lower	Upper
146	100		
111	33.8	4.0	64.0
148	65.6	34.3	94.3

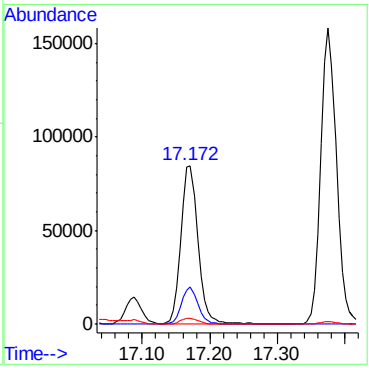


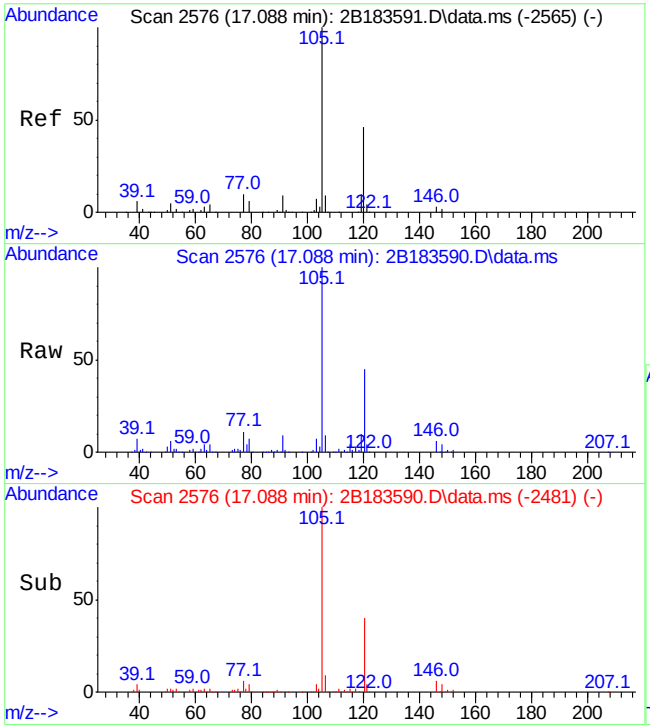


#113
benzyl chloride
Concen: 22.67 ug/L
RT: 17.172 min Scan# 2592
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 91 Resp: 149732

Ion	Ratio	Lower	Upper
91	100		
126	23.6	0.0	52.7
62	3.8	0.0	34.0

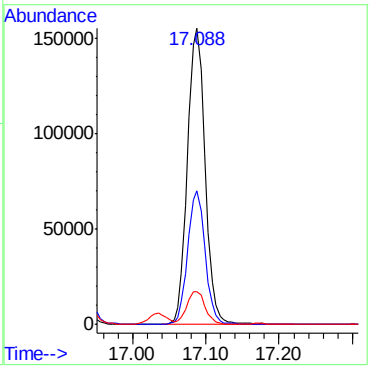


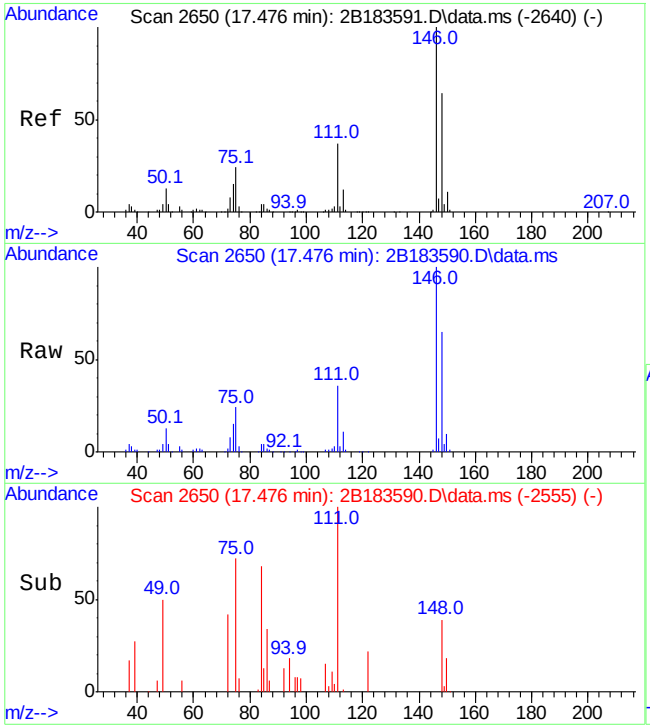


#114
1,2,3-trimethylbenzene
Concen: 22.66 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:105 Resp: 261165

Ion	Ratio	Lower	Upper
105	100		
120	45.0	16.3	76.3
77	11.2	0.0	41.7

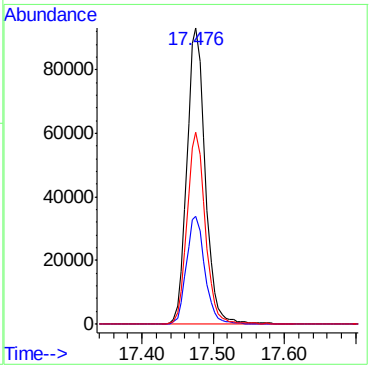


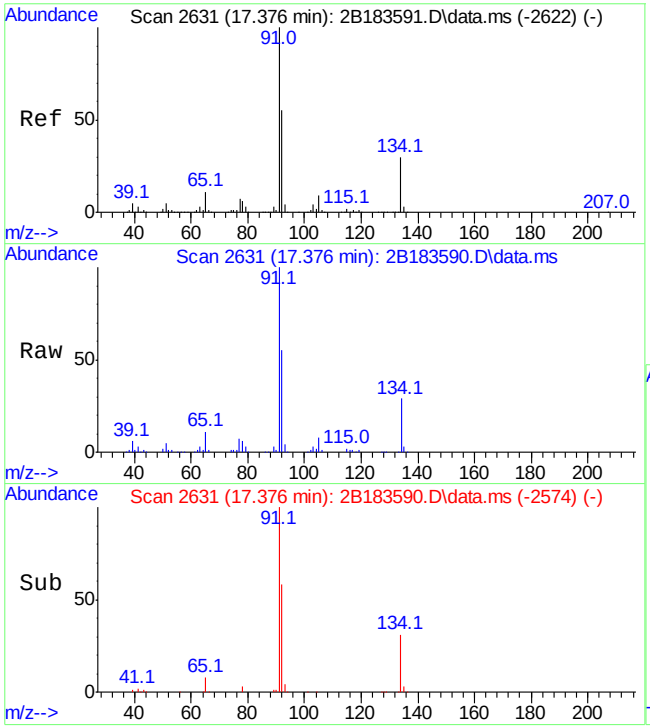


#115
1,2-dichlorobenzene
Concen: 22.63 ug/L
RT: 17.476 min Scan# 2650
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:146 Resp: 166457

Ion	Ratio	Lower	Upper
146	100		
111	36.3	6.6	66.6
148	64.7	34.3	94.3

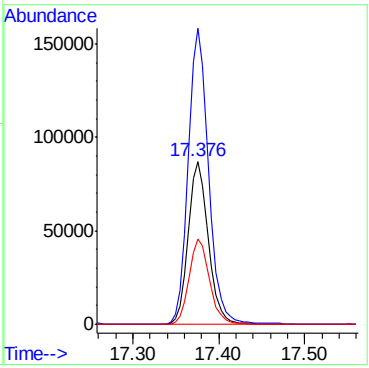


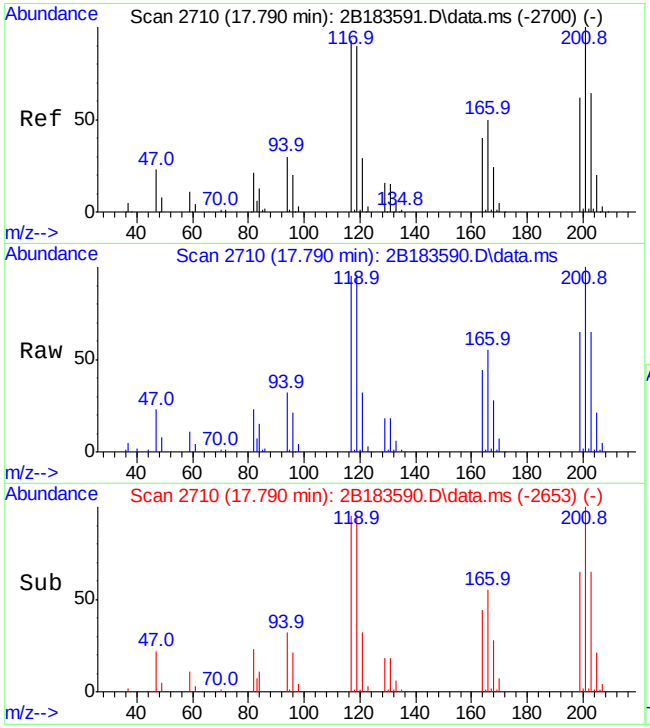


#116
n-butylbenzene
Concen: 21.95 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 92 Resp: 141791

Ion	Ratio	Lower	Upper
92	100		
91	181.2	150.9	210.9
134	52.5	23.6	83.6

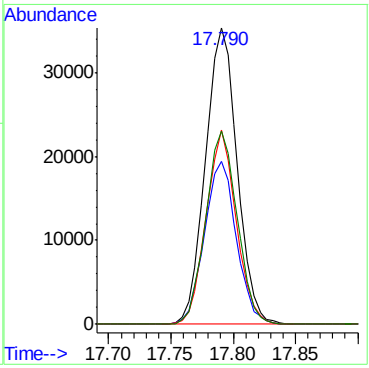


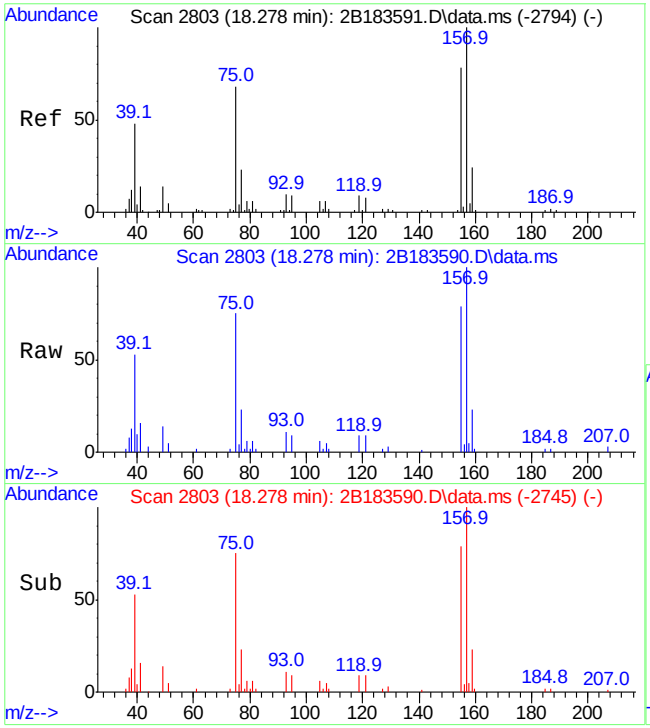


#117
hexachloroethane
Concen: 21.93 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:201 Resp: 62511

Ion	Ratio	Lower	Upper
201	100		
166	54.8	30.5	70.5
199	65.4	42.1	82.1
203	65.3	44.3	84.3

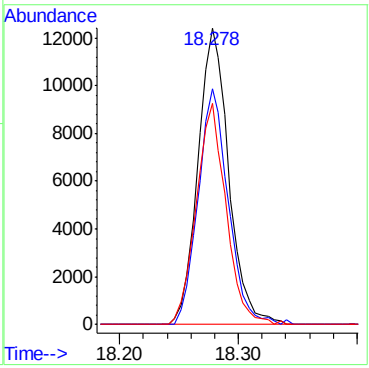


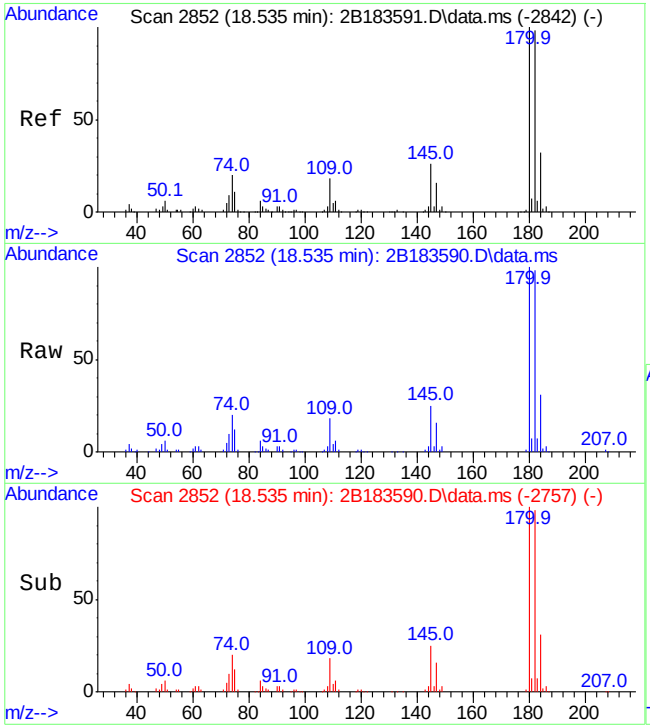


#118
1,2-dibromo-3-chloropropane
Concen: 22.52 ug/L
RT: 18.278 min Scan# 2803
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:157 Resp: 22421

Ion	Ratio	Lower	Upper
157	100		
155	79.5	47.6	107.6
75	74.7	38.4	98.4

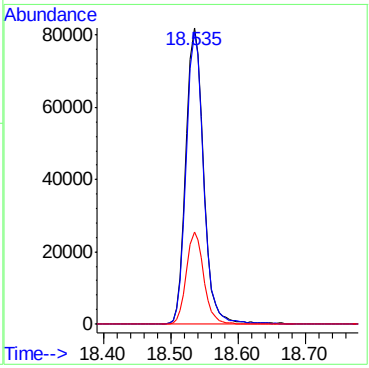


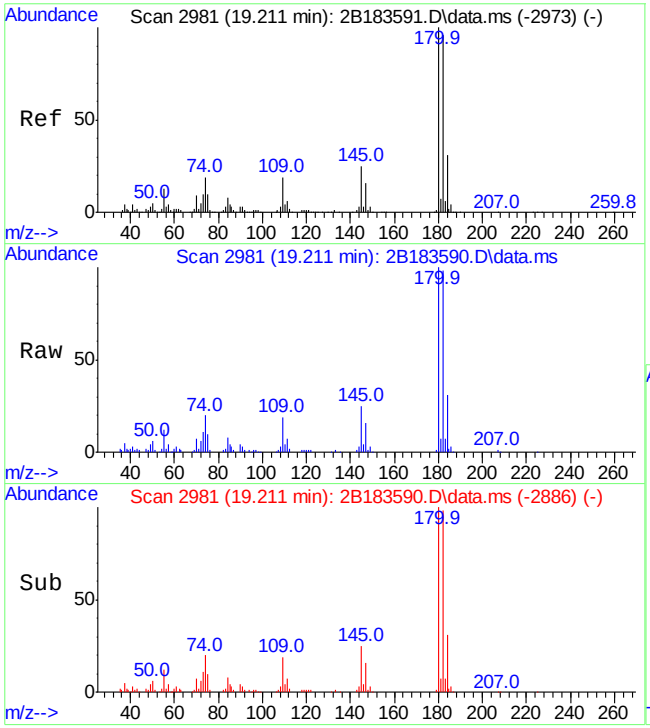


#119
1,3,5-trichlorobenzene
Concen: 22.98 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:180 Resp: 149148

Ion	Ratio	Lower	Upper
180	100		
182	98.4	67.9	127.9
184	31.1	1.5	61.5

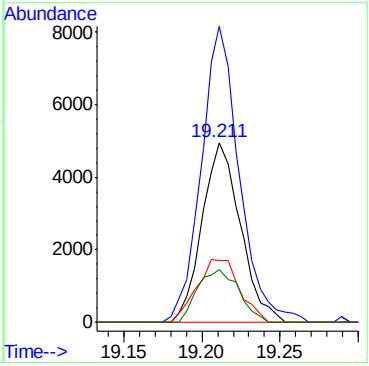


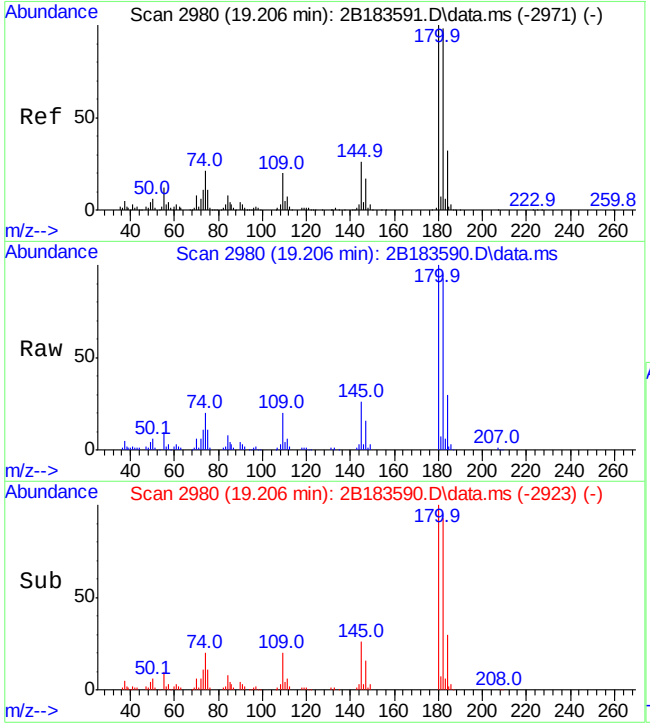


#120
2-ethylhexyl acrylate
Concen: 3.89 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion: 70 Resp: 8462

Ion	Ratio	Lower	Upper
70	100		
55	164.6	127.3	167.3
83	34.1	16.1	56.1
112	29.6	7.1	47.1

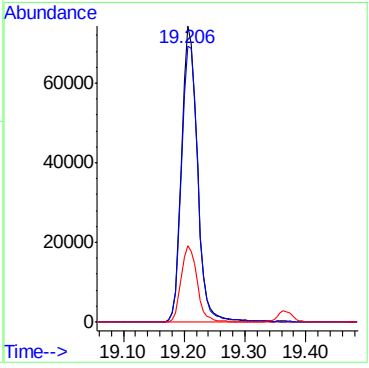


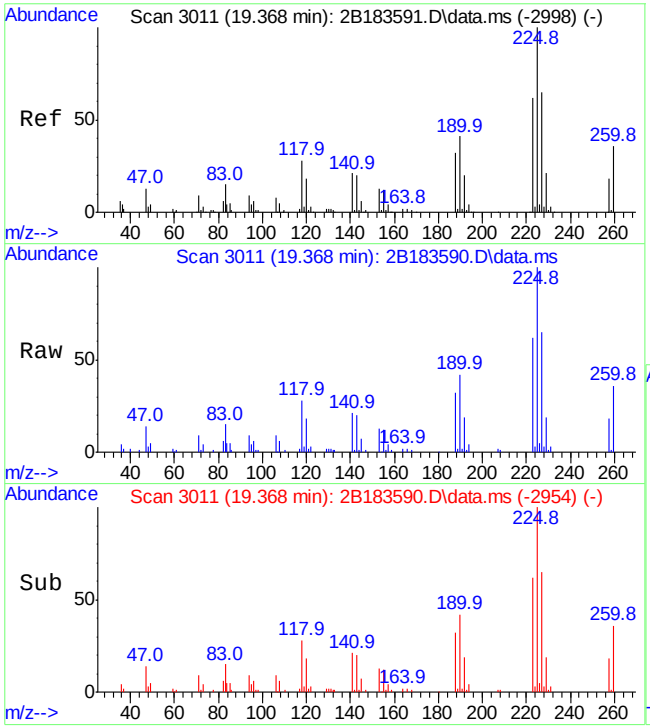


#121
1,2,4-trichlorobenzene
Concen: 22.65 ug/L
RT: 19.206 min Scan# 2980
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:180 Resp: 133058

Ion	Ratio	Lower	Upper
180	100		
182	93.0	68.2	128.2
145	25.7	0.0	56.2

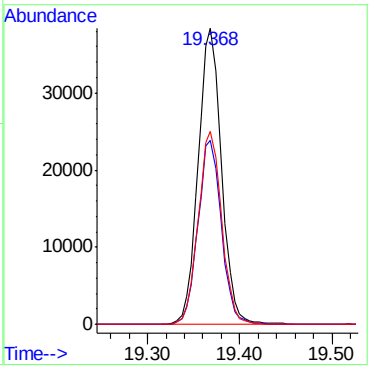


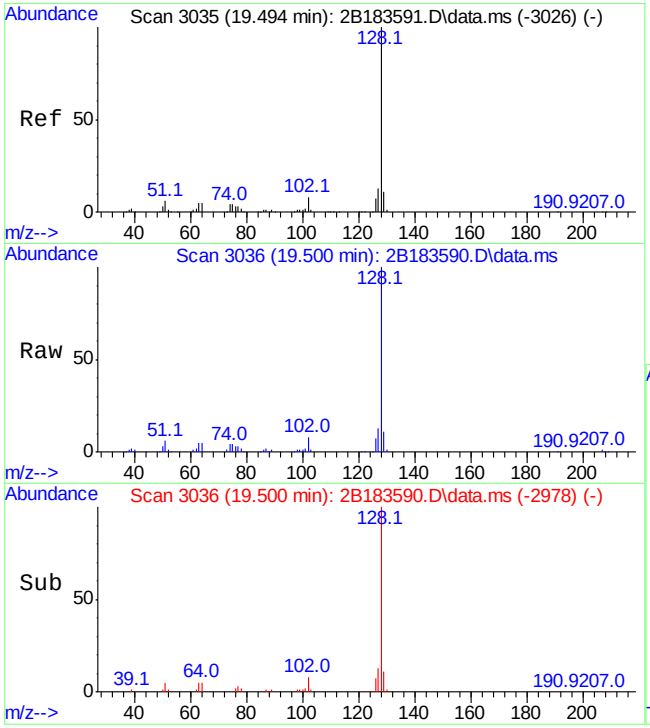


#122
hexachlorobutadiene
Concen: 22.30 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:225 Resp: 67241

Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.1	92.1
227	65.2	34.7	94.7

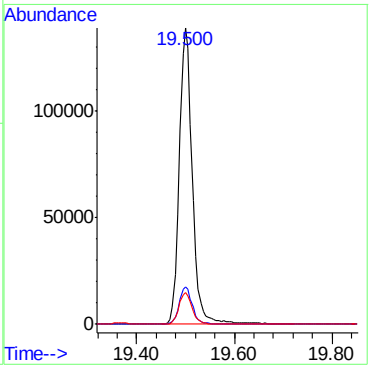


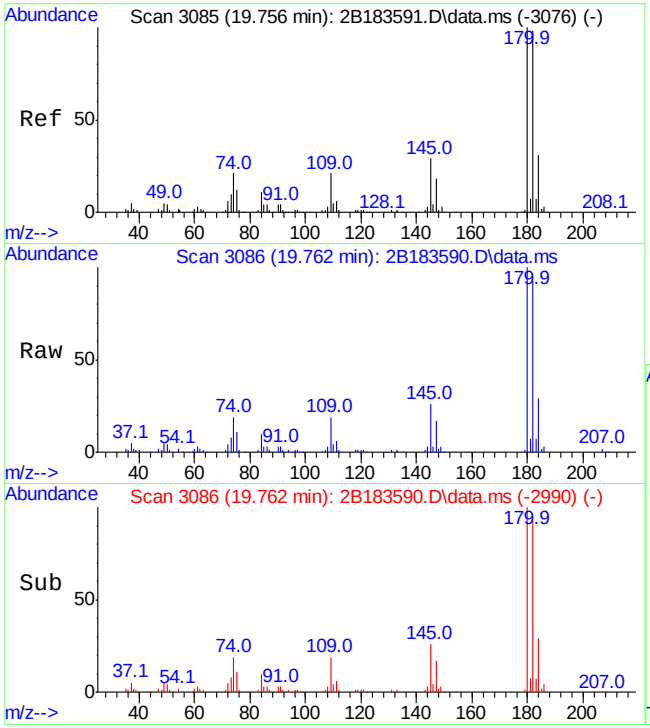


#123
naphthalene
Concen: 22.86 ug/L
RT: 19.500 min Scan# 3036
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:128 Resp: 256766

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.6
129	10.8	0.0	41.2

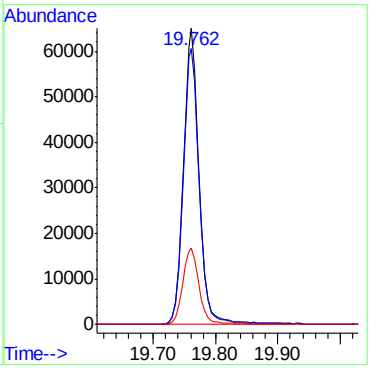


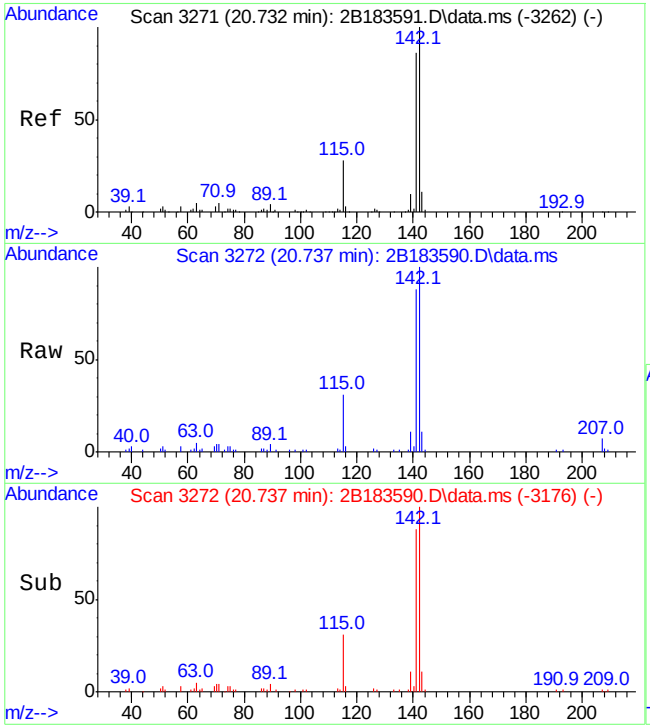


#124
1,2,3-trichlorobenzene
Concen: 23.27 ug/L
RT: 19.762 min Scan# 3086
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:180 Resp: 115466

Ion	Ratio	Lower	Upper
180	100		
182	93.2	68.2	128.2
145	25.7	0.0	58.6

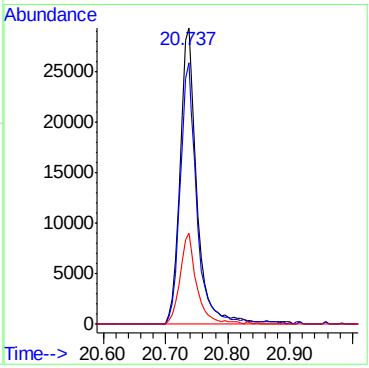




#125
2-methylnaphthalene
Concen: 9.99 ug/L
RT: 20.737 min Scan# 3272
Delta R.T. 0.005 min
Lab File: 2B183590.D
Acq: 16 Jun 21 8:51 pm

Tgt Ion:142 Resp: 56436

Ion	Ratio	Lower	Upper
142	100		
141	88.3	66.0	106.0
115	30.8	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183591.D
Acq On : 16 Jun 2021 9:20 pm
Operator : thienn
Sample : icc8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 18:50:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	107525	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	340310	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	472276	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	466252	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	243247	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	152186	50.04	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.08%			
52) 1,2-dichloroethane-d4 (s)	10.676	65	157436	48.10	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.20%			
74) toluene-d8 (s)	12.951	98	553147	49.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.40%			
98) 4-bromofluorobenzene (s)	15.787	95	207462	51.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.886	59	65095	273.15	ug/L	100
3) ethanol	6.345	45	109688	5384.56	ug/L	100
4) 1,4-dioxane	11.939	88	26999	1370.53	ug/L	100
6) chlorodifluoromethane	4.158	51	243397	58.15	ug/L	100
7) dichlorodifluoromethane	4.148	85	339352	60.50	ug/L	100
8) chloromethane	4.552	50	282756	52.62	ug/L	100
9) vinyl chloride	4.803	62	280450	57.43	ug/L	100
10) 1,3-butadiene	4.830	54	190805	56.56	ug/L	100
11) bromomethane	5.453	94	192962	54.85	ug/L	100
12) chloroethane	5.621	64	134038	55.45	ug/L	100
13) trichlorofluoromethane	6.125	101	333874	57.15	ug/L	100
14) ethyl ether	6.607	74	81674	56.33	ug/L	100
15) acrolein	6.811	56	25354	53.41	ug/L	100
16) freon 113	7.068	151	168623	57.08	ug/L	100
17) 1,1-dichloroethene	7.037	96	141029	55.56	ug/L	100
18) acetone	7.032	43	140714	218.82	ug/L	100
19) acetonitrile	7.462	41	140558	519.14	ug/L	100
20) iodomethane	7.299	142	307653	54.44	ug/L	100
21) carbon disulfide	7.467	76	477516	55.08	ug/L	100
22) methylene chloride	7.781	84	152971	56.10	ug/L	100
23) methyl acetate	7.603	43	93515	56.48	ug/L	100
24) methyl tert butyl ether	8.238	73	450669	55.21	ug/L	100
25) trans-1,2-dichloroethene	8.248	96	150180	54.54	ug/L	100
26) di-isopropyl ether	8.930	45	460599	55.41	ug/L	100
27) 2-butanone	9.601	72	55156	223.99	ug/L	100
28) 1,1-dichloroethane	8.846	63	257491	55.72	ug/L	100
29) chloroprene	8.998	53	205671	57.70	ug/L	100
30) acrylonitrile	8.117	52	33927	55.18	ug/L	100
31) hexane	8.678	56	118162	58.08	ug/L	100
32) vinyl acetate	8.872	86	28269	56.42	ug/L	100
33) ethyl tert-butyl ether	9.433	59	509604	56.14	ug/L	100
34) ethyl acetate	9.679	45	17841	57.60	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183591.D
Acq On : 16 Jun 2021 9:20 pm
Operator : thienn
Sample : icc8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 18:50:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 2,2-dichloropropane	9.674	77	241196	55.32	ug/L	100
36) cis-1,2-dichloroethene	9.637	96	161662	55.43	ug/L	100
37) methyl acrylate	9.753	55	102959	53.15	ug/L	100
38) propionitrile	9.637	54	164605	558.32	ug/L	100
39) bromochloromethane	9.952	128	90856	54.76	ug/L	100
40) tetrahydrofuran	10.041	72	15605	54.27	ug/L	100
41) chloroform	10.031	85	174844	51.95	ug/L	100
42) t-butyl formate	10.115	59	129772	57.38	ug/L	100
44) methacrylonitrile	9.879	67	53306	56.09	ug/L	100
45) 1,1,1-trichloroethane	10.345	97	262658	58.03	ug/L	99
46) cyclohexane	10.466	84	234165	58.27	ug/L	100
47) 1,1-dichloropropene	10.544	75	198100	56.28	ug/L	100
48) iso-butyl alcohol	10.513	43	41333	518.05	ug/L	100
49) carbon tetrachloride	10.581	117	235688	55.61	ug/L	100
50) tert amyl alcohol	10.665	55	22101	263.39	ug/L	100
53) n-butyl alcohol	11.305	56	147939	2588.80	ug/L	100
54) 2,2,4-trimethylpentane	10.906	57	537388	56.73	ug/L	100
55) benzene	10.801	78	550461	55.00	ug/L	100
56) tert-amyl methyl ether	10.896	87	116060	53.67	ug/L	100
57) heptane	11.090	71	124055	58.10	ug/L	100
58) isopropyl acetate	10.759	87	28967	54.27	ug/L	100
59) 1,2-dichloroethane	10.770	62	204170	53.38	ug/L	100
60) trichloroethene	11.567	130	185990	57.08	ug/L	100
61) ethyl acrylate	11.577	55	154909	55.85	ug/L	99
62) 2-nitropropane	12.301	41	37930	53.31	ug/L	100
63) 2-chloroethyl vinyl ether	12.380	63	450881	283.84	ug/L	100
64) methyl methacrylate	11.860	100	34819	55.92	ug/L	100
65) 1,2-dichloropropane	11.808	63	151247	55.87	ug/L	100
66) dibromomethane	11.950	93	95575	52.87	ug/L	100
67) methylcyclohexane	11.845	83	292939	57.83	ug/L	100
68) bromodichloromethane	12.096	83	218534	56.85	ug/L	100
69) epichlorohydrin	12.469	57	63961	265.71	ug/L	100
70) cis-1,3-dichloropropene	12.605	75	258329	56.64	ug/L	100
71) 4-methyl-2-pentanone	12.720	58	204486	220.83	ug/L	100
72) 3-methyl-1-butanol	12.736	70	61950	1126.30	ug/L	100
75) toluene	13.030	92	375532	56.38	ug/L	100
76) trans-1,3-dichloropropene	13.192	75	229797	57.69	ug/L	100
77) ethyl methacrylate	13.250	69	182285	56.51	ug/L	100
78) 1,1,2-trichloroethane	13.412	83	113493	55.02	ug/L	100
79) tetrachloroethene	13.669	164	156124	53.89	ug/L	100
80) 1,3-dichloropropane	13.612	76	226514	54.12	ug/L	100
81) 2-hexanone	13.633	58	180856	223.92	ug/L	100
82) butyl acetate	13.753	56	82878	53.77	ug/L	100
83) dibromochloromethane	13.890	129	188607	55.93	ug/L	100
84) 1,2-dibromoethane	14.052	107	151784	55.64	ug/L	100
85) n-butyl ether	14.576	57	584394	56.71	ug/L	100
86) chlorobenzene	14.587	112	436212	55.09	ug/L	100
87) 1,1,1,2-tetrachloroethane	14.645	131	179311	54.30	ug/L	100
88) ethylbenzene	14.671	91	684857	53.59	ug/L	100
89) m,p-xylene	14.786	106	570950	110.60	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183591.D
Acq On : 16 Jun 2021 9:20 pm
Operator : thienn
Sample : icc8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 18:50:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

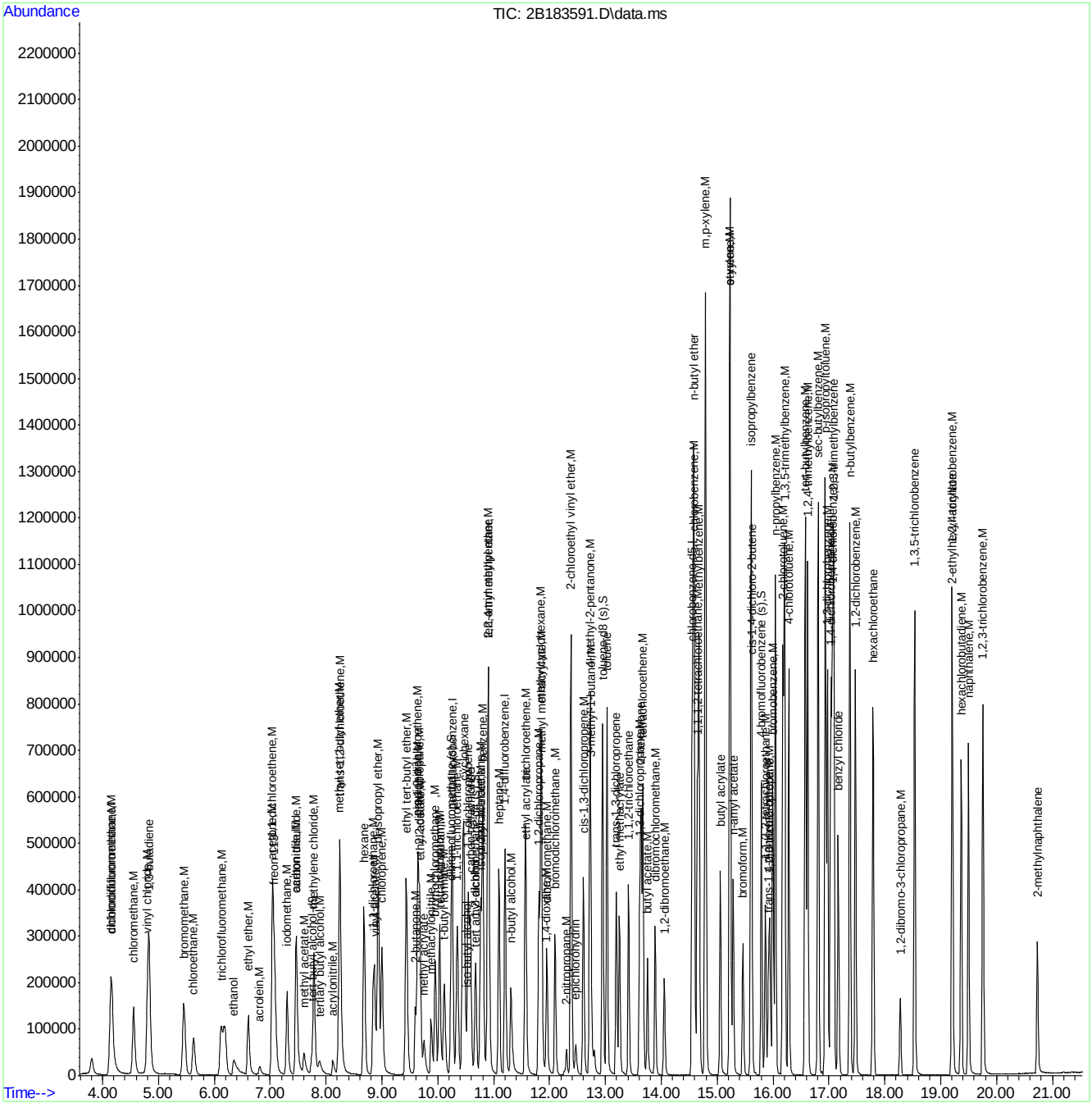
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	o-xylene	15.226	106	306780	55.78	ug/L	100
91)	styrene	15.232	104	495702	56.41	ug/L	100
92)	n-amyl acetate	15.284	70	98816	54.55	ug/L	100
93)	bromoform	15.462	173	147742	55.67	ug/L	100
94)	butyl acrylate	15.053	55	292571	57.70	ug/L	100
95)	isopropylbenzene	15.604	105	831723	55.45	ug/L	100
96)	cis-1,4-dichloro-2-butene	15.620	88	68517	54.17	ug/L	100
99)	bromobenzene	15.992	156	222471	56.28	ug/L	100
100)	1,1,2,2-tetrachloroethane	15.861	83	184113	56.57	ug/L	100
101)	trans-1,4-dichloro-2-b...	15.913	53	49310	58.38	ug/L	100
102)	1,2,3-trichloropropane	15.940	110	50921	53.95	ug/L	100
103)	n-propylbenzene	16.044	91	868889	57.41	ug/L	100
104)	2-chlorotoluene	16.175	126	203448	57.04	ug/L	100
105)	4-chlorotoluene	16.280	91	532311	55.71	ug/L	100
106)	1,3,5-trimethylbenzene	16.207	105	652207	56.99	ug/L	100
107)	tert-butylbenzene	16.579	134	162162	59.61	ug/L	100
108)	1,2,4-trimethylbenzene	16.621	105	681672	57.24	ug/L	100
109)	sec-butylbenzene	16.805	105	927803	58.59	ug/L	100
110)	1,3-dichlorobenzene	16.972	146	404892	54.41	ug/L	100
111)	p-isopropyltoluene	16.936	119	805952	58.06	ug/L	100
112)	1,4-dichlorobenzene	17.062	146	408921	56.01	ug/L	100
113)	benzyl chloride	17.166	91	398094	59.66	ug/L	100
114)	1,2,3-trimethylbenzene	17.088	105	676261	58.08	ug/L	100
115)	1,2-dichlorobenzene	17.476	146	434120	58.43	ug/L	100
116)	n-butylbenzene	17.376	92	387946	59.47	ug/L	100
117)	hexachloroethane	17.790	201	173105	60.11	ug/L	100
118)	1,2-dibromo-3-chloropr...	18.278	157	58904	58.57	ug/L	100
119)	1,3,5-trichlorobenzene	18.535	180	399654	60.97	ug/L	100
120)	2-ethylhexyl acrylate	19.211	70	28542	11.38	ug/L	100
121)	1,2,4-trichlorobenzene	19.206	180	363870	61.32	ug/L	100
122)	hexachlorobutadiene	19.368	225	176829	58.06	ug/L	100
123)	naphthalene	19.494	128	676928	59.66	ug/L	100
124)	1,2,3-trichlorobenzene	19.756	180	308580	61.56	ug/L	100
125)	2-methylnaphthalene	20.732	142	174654	28.38	ug/L	100

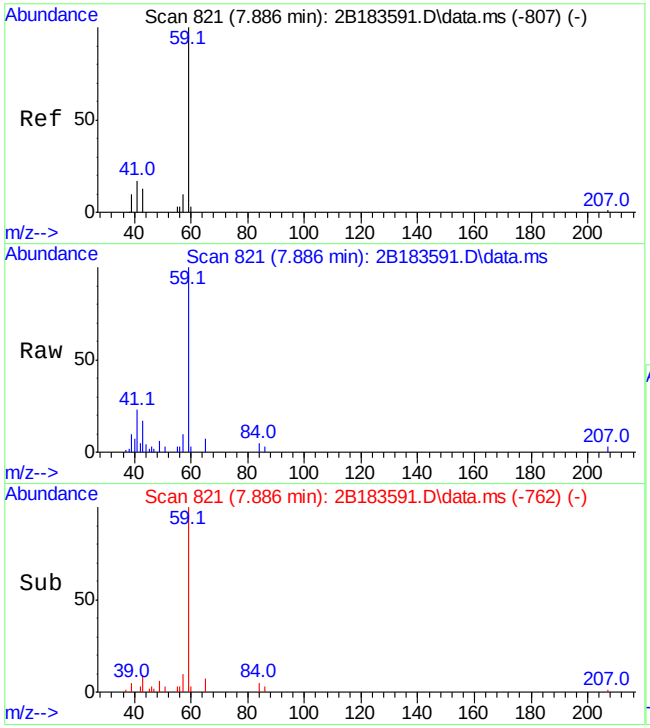
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183591.D
Acq On : 16 Jun 2021 9:20 pm
Operator : thienn
Sample : icc8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 17 18:50:24 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

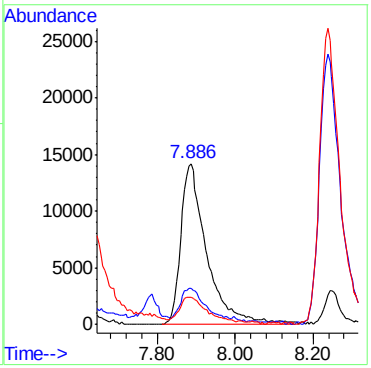


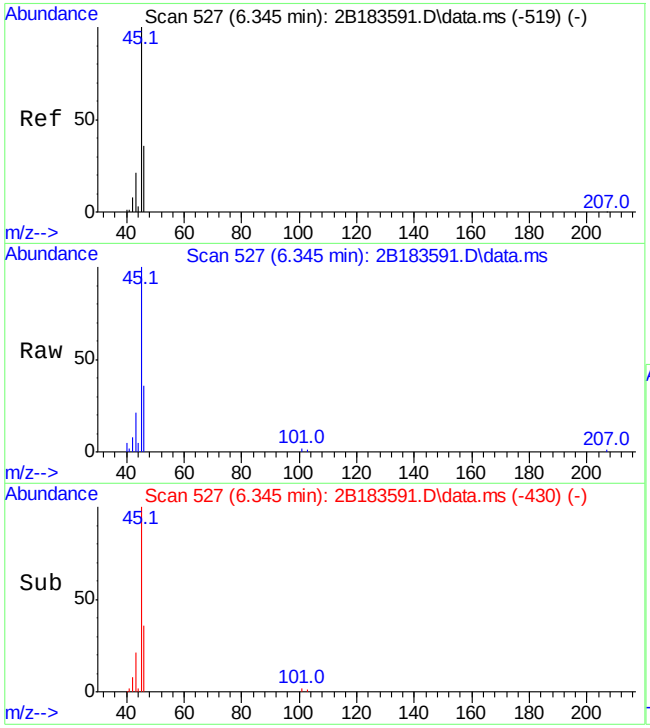


#2
tertiary butyl alcohol
Concen: 273.15 ug/L
RT: 7.886 min Scan# 821
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 59 Resp: 65095

Ion	Ratio	Lower	Upper
59	100		
41	22.7	0.0	52.7
43	16.6	0.0	46.6

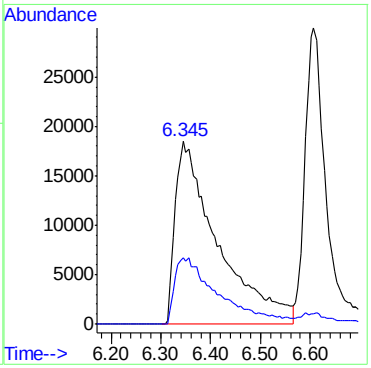


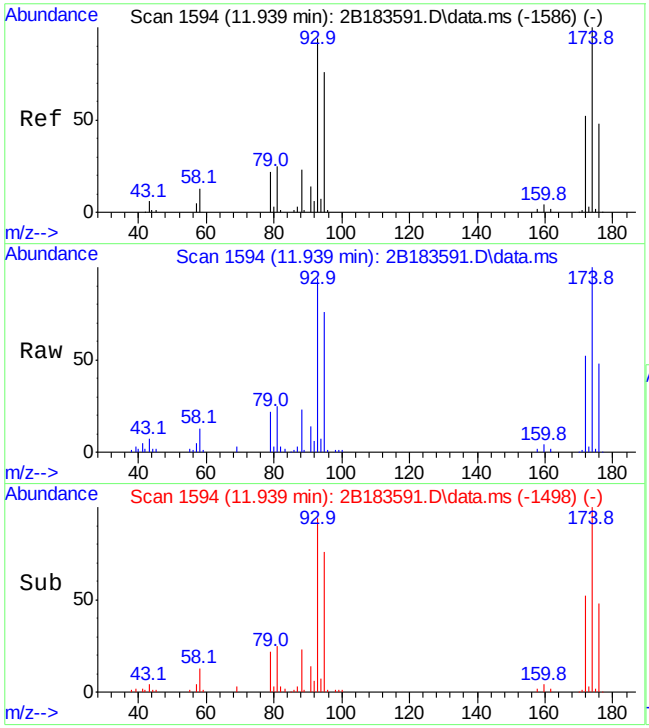


#3
ethanol
Concen: 5384.56 ug/L
RT: 6.345 min Scan# 527
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 45 Resp: 109688

Ion	Ratio	Lower	Upper
45	100		
46	36.1	6.1	66.1

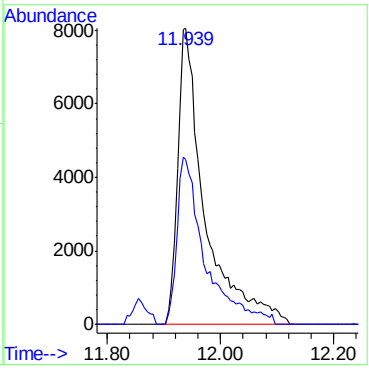


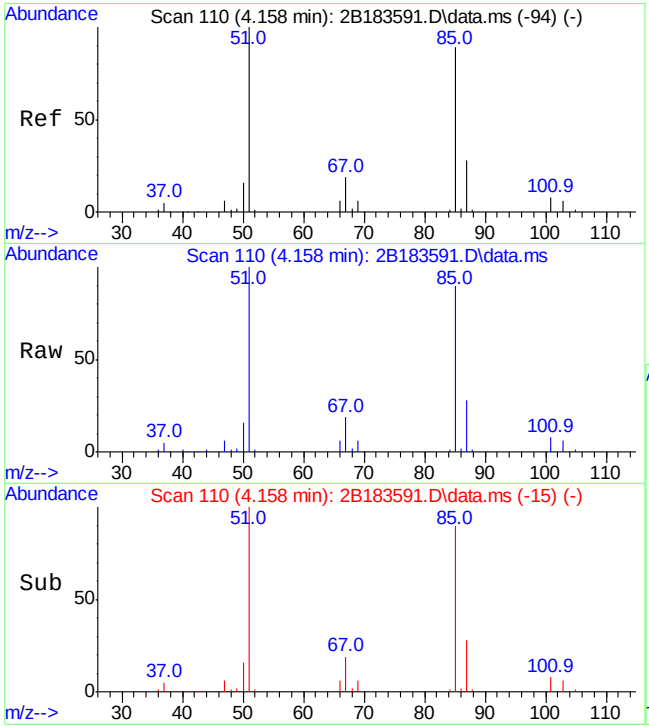


#4
1,4-dioxane
Concen: 1370.53 ug/L
RT: 11.939 min Scan# 1594
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 88 Resp: 26999

Ion	Ratio	Lower	Upper
88	100		
58	55.6	25.6	85.6

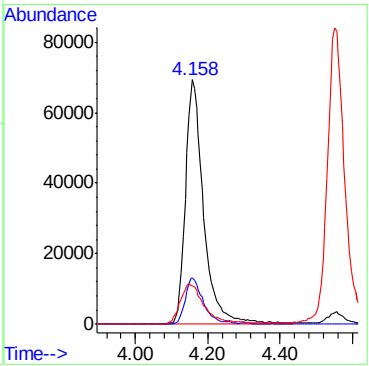


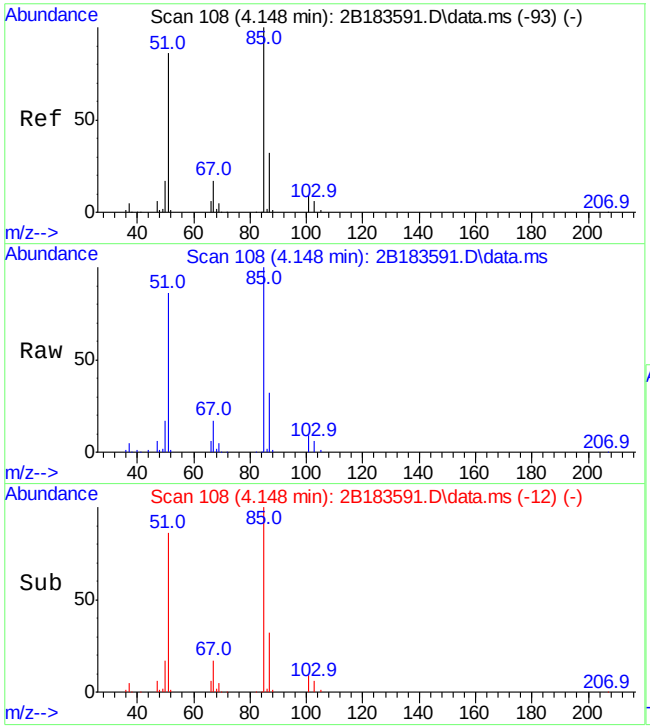


#6
chlorodifluoromethane
Concen: 58.15 ug/L
RT: 4.158 min Scan# 110
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 51 Resp: 243397

Ion	Ratio	Lower	Upper
51	100		
67	18.7	0.0	48.7
50	15.8	0.0	45.8

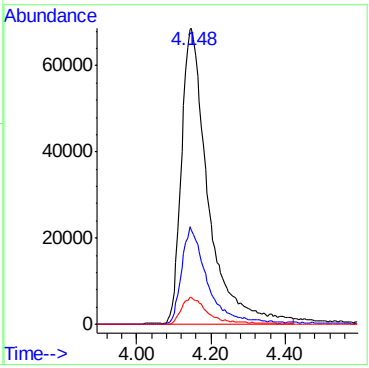


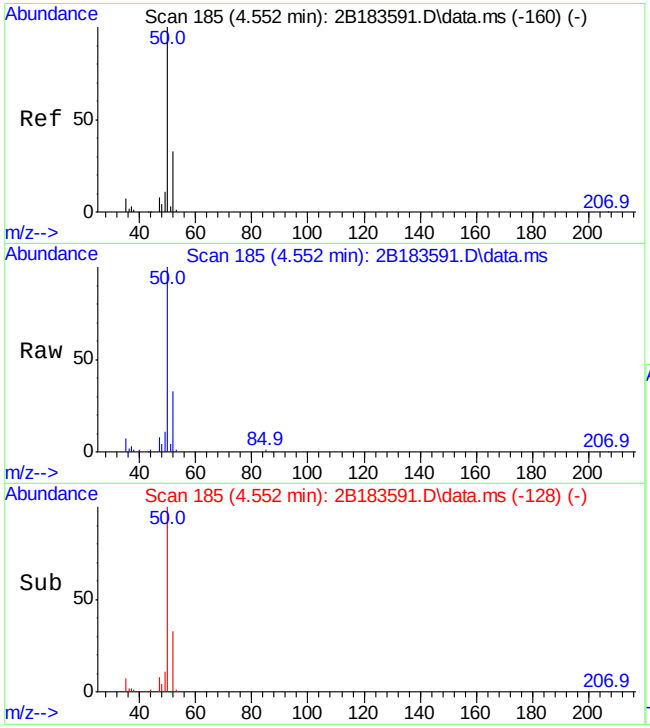


#7
dichlorodifluoromethane
Concen: 60.50 ug/L
RT: 4.148 min Scan# 108
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 85 Resp: 339352

Ion	Ratio	Lower	Upper
85	100		
87	31.9	1.9	61.9
101	9.2	0.0	39.2

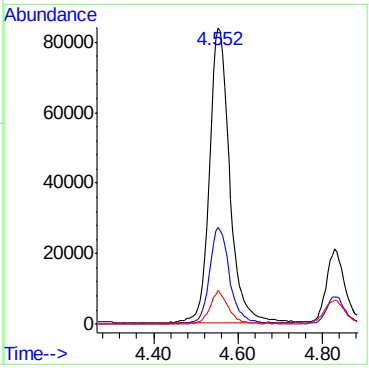


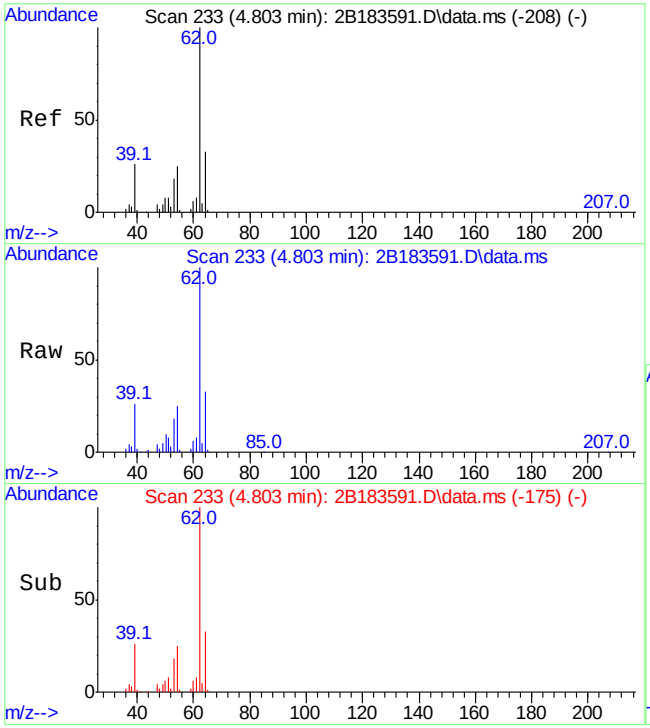


#8
chloromethane
Concen: 52.62 ug/L
RT: 4.552 min Scan# 185
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 50 Resp: 282756

Ion	Ratio	Lower	Upper
50	100		
52	32.9	2.9	62.9
49	11.3	0.0	41.3

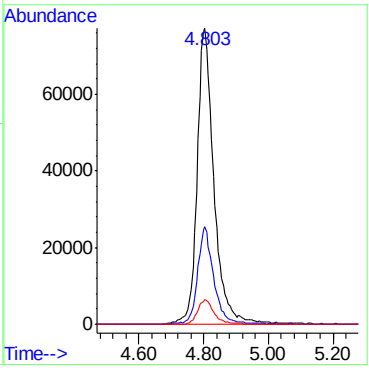


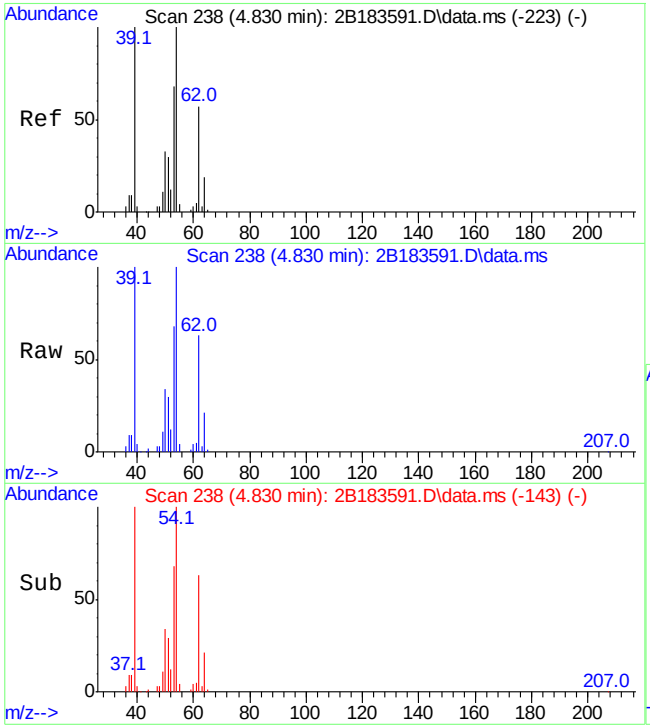


#9
vinyl chloride
Concen: 57.43 ug/L
RT: 4.803 min Scan# 233
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 62 Resp: 280450

Ion	Ratio	Lower	Upper
62	100		
64	33.0	3.0	63.0
61	8.4	0.0	38.4

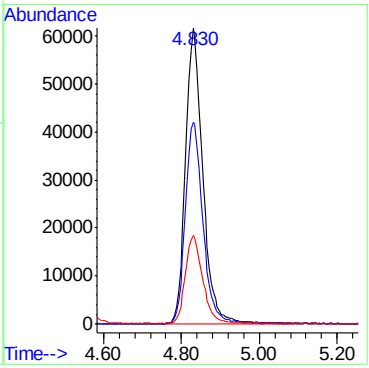


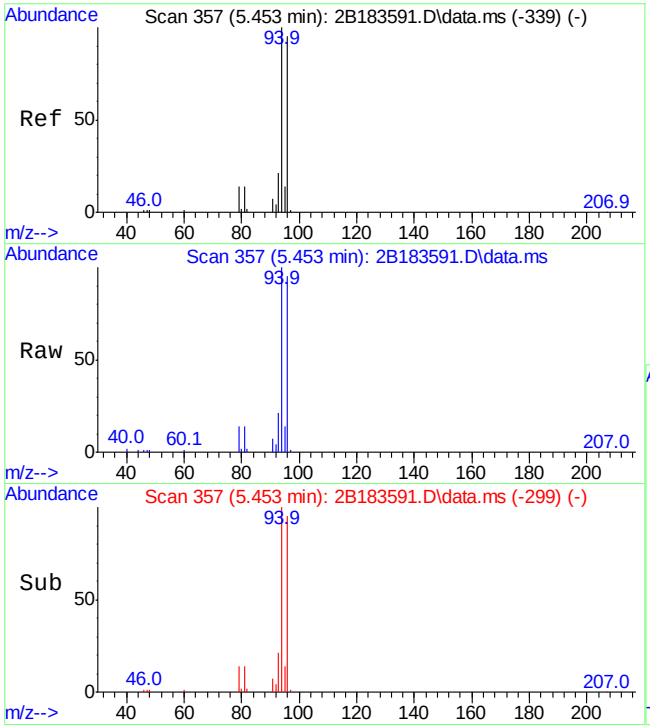


#10
1,3-butadiene
Concen: 56.56 ug/L
RT: 4.830 min Scan# 238
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 54 Resp: 190805

Ion	Ratio	Lower	Upper
54	100		
53	68.4	38.4	98.4
51	30.0	0.0	60.0

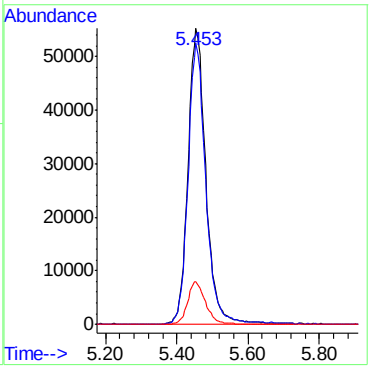


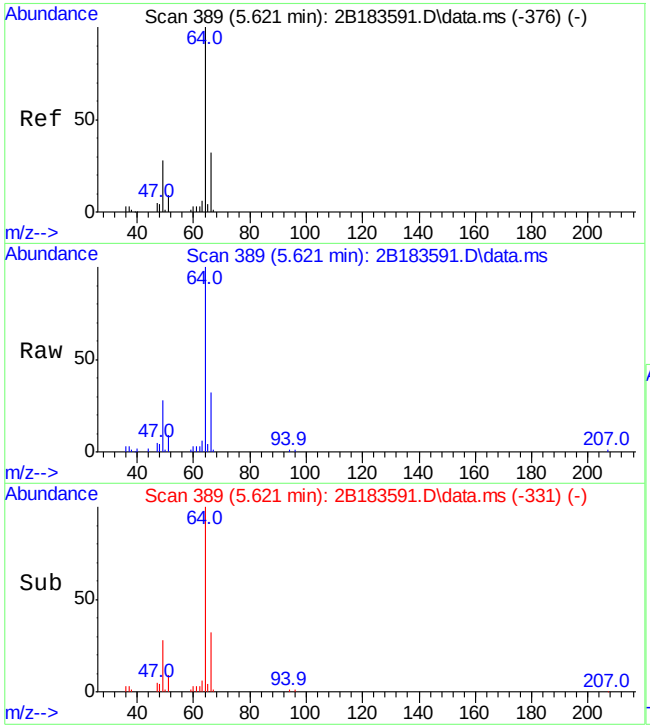


#11
bromomethane
Concen: 54.85 ug/L
RT: 5.453 min Scan# 357
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 94 Resp: 192962

Ion	Ratio	Lower	Upper
94	100		
96	95.2	65.2	125.2
79	14.4	0.0	44.4

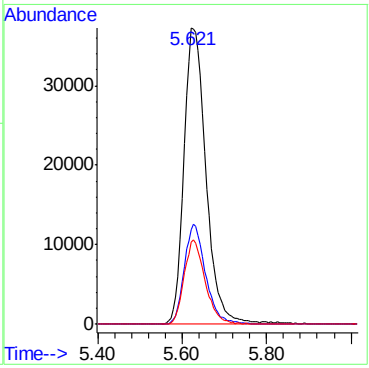


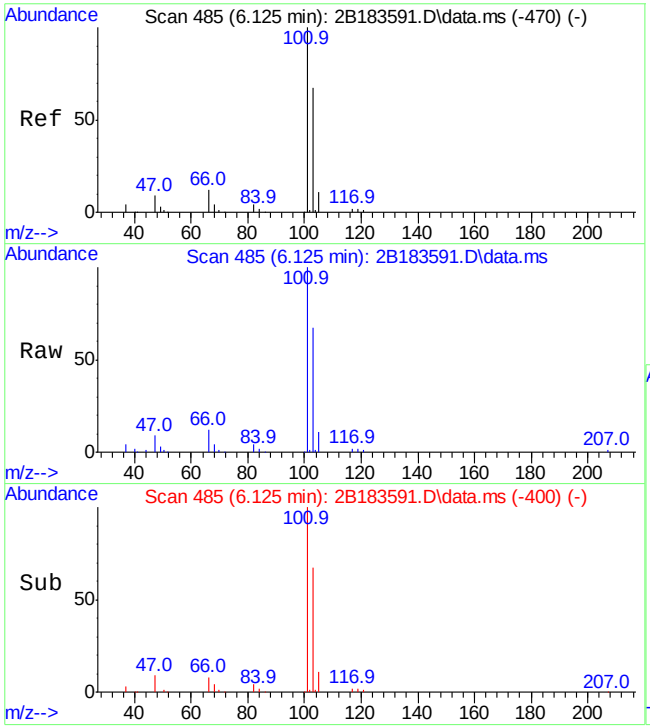


#12
chloroethane
Concen: 55.45 ug/L
RT: 5.621 min Scan# 389
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 64 Resp: 134038

Ion	Ratio	Lower	Upper
64	100		
66	31.7	1.7	61.7
49	27.6	0.0	57.6

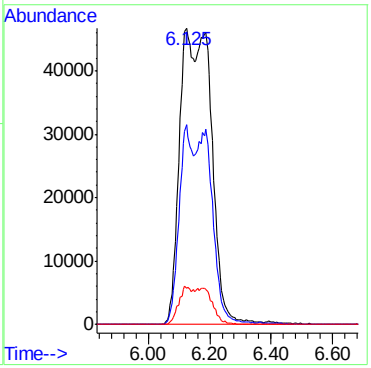


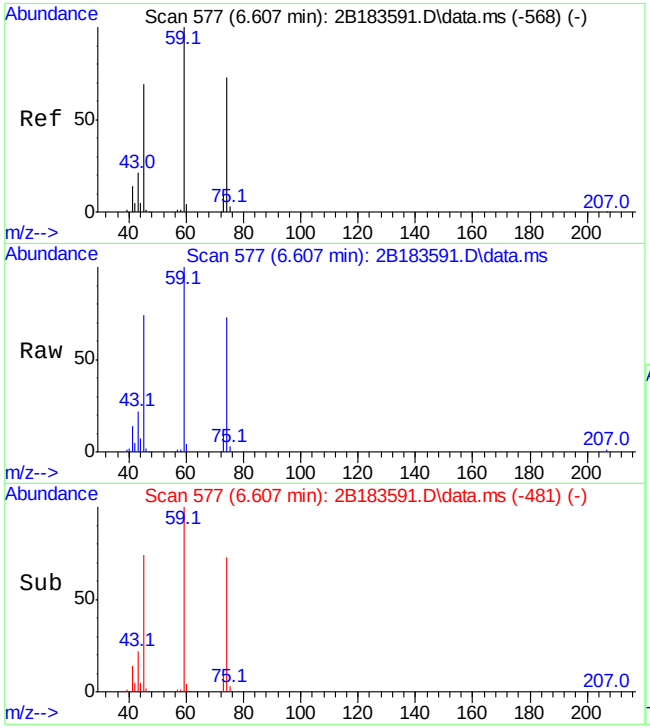


#13
trichlorofluoromethane
Concen: 57.15 ug/L
RT: 6.125 min Scan# 485
Delta R.T. -0.052 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:101 Resp: 333874

Ion	Ratio	Lower	Upper
101	100		
103	67.3	37.3	97.3
66	12.3	0.0	42.3

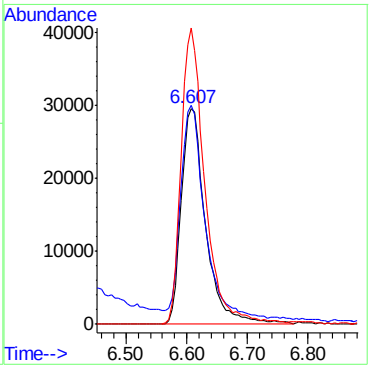


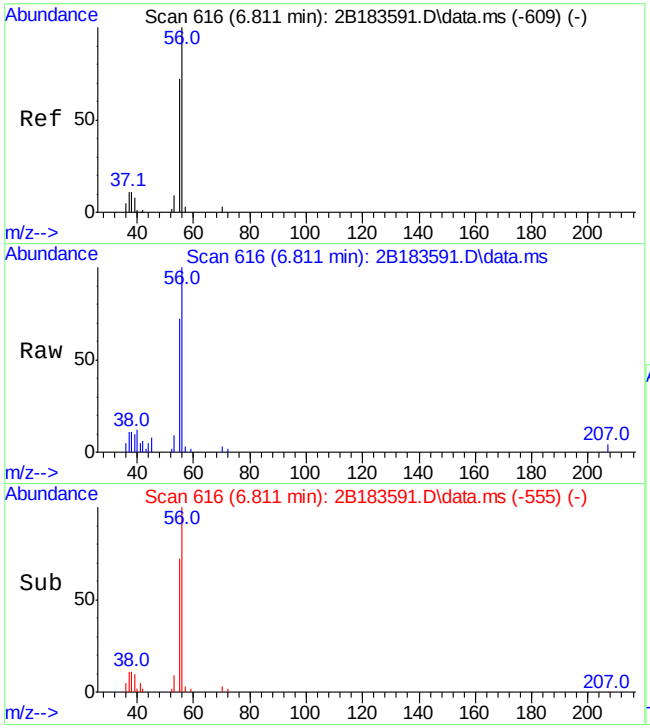


#14
ethyl ether
Concen: 56.33 ug/L
RT: 6.607 min Scan# 577
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 74 Resp: 81674

Ion	Ratio	Lower	Upper
74	100		
45	99.2	69.2	129.2
59	137.5	107.5	167.5

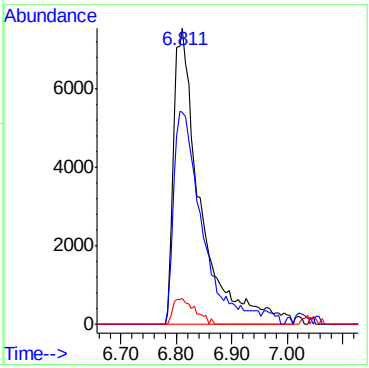


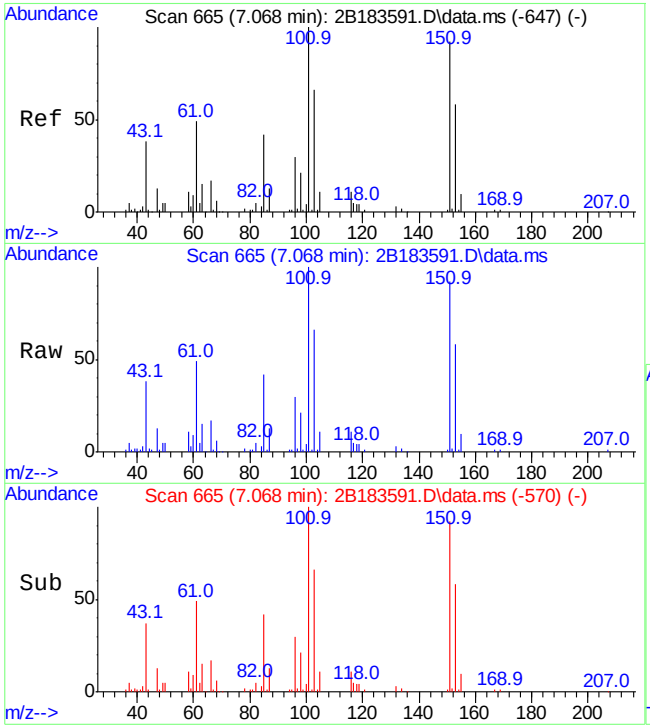


#15
acrolein
Concen: 53.41 ug/L
RT: 6.811 min Scan# 616
Delta R.T. 0.021 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 56 Resp: 25354

Ion	Ratio	Lower	Upper
56	100		
55	71.6	41.6	101.6
53	8.7	0.0	38.7

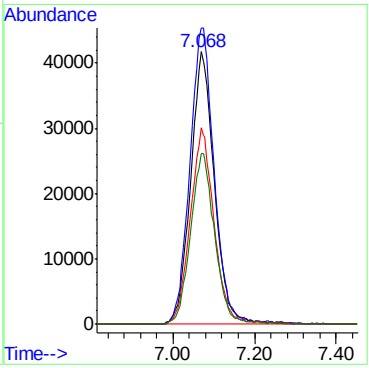


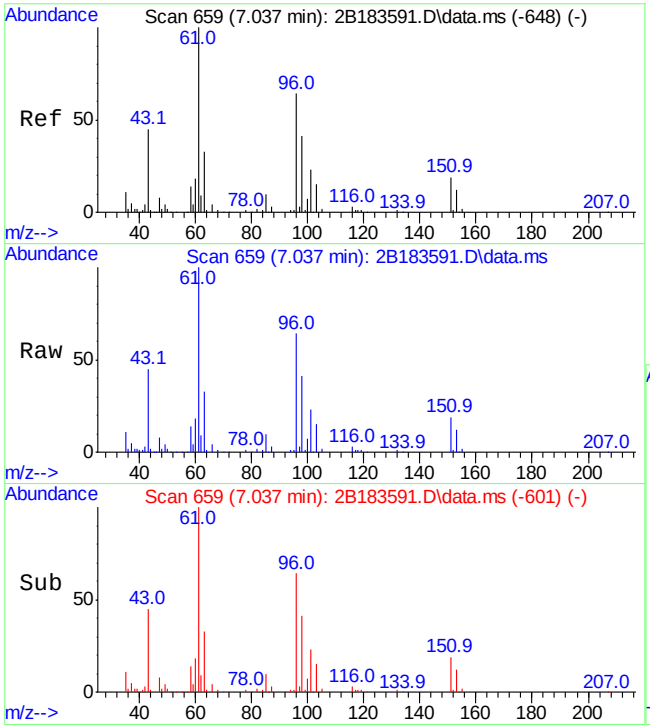


#16
freon 113
Concen: 57.08 ug/L
RT: 7.068 min Scan# 665
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:151 Resp: 168623

Ion	Ratio	Lower	Upper
151	100		
101	108.6	88.6	128.6
103	72.2	52.2	92.2
153	62.8	42.8	82.8

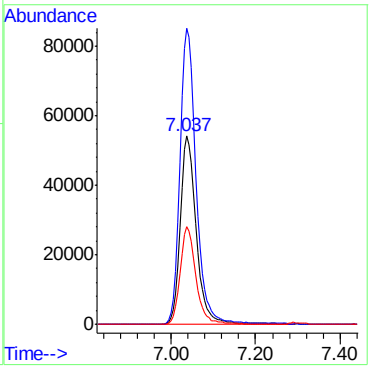


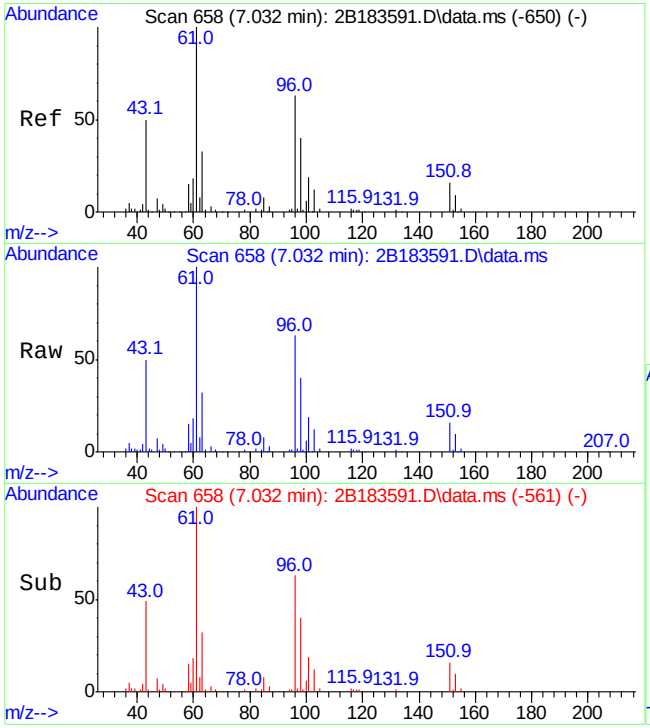


#17
1,1-dichloroethene
Concen: 55.56 ug/L
RT: 7.037 min Scan# 659
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 96 Resp: 141029

Ion	Ratio	Lower	Upper
96	100		
61	157.2	127.2	187.2
63	51.7	21.7	81.7

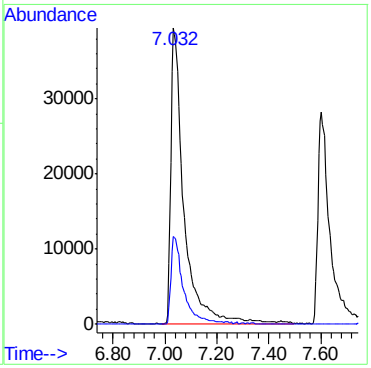


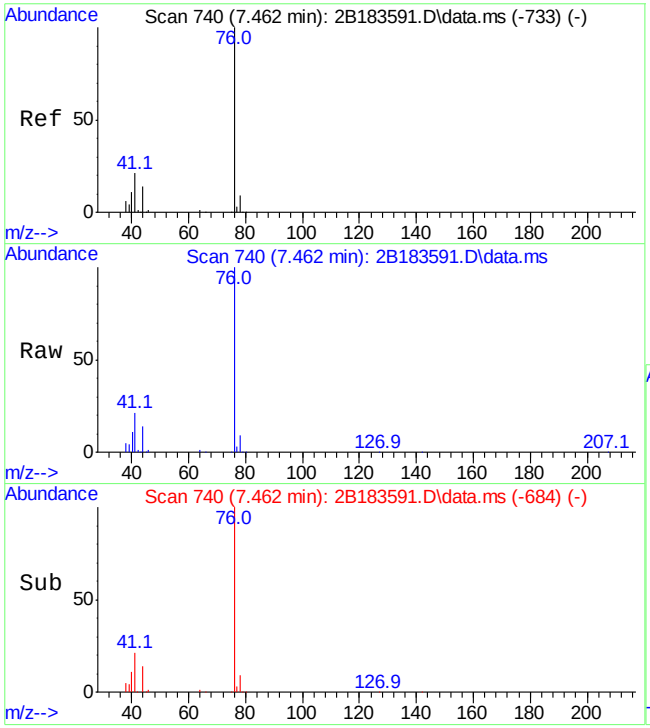


#18
acetone
Concen: 218.82 ug/L
RT: 7.032 min Scan# 658
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 43 Resp: 140714

Ion	Ratio	Lower	Upper
43	100		
58	29.5	0.0	59.5

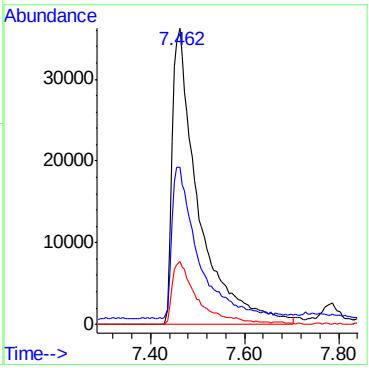


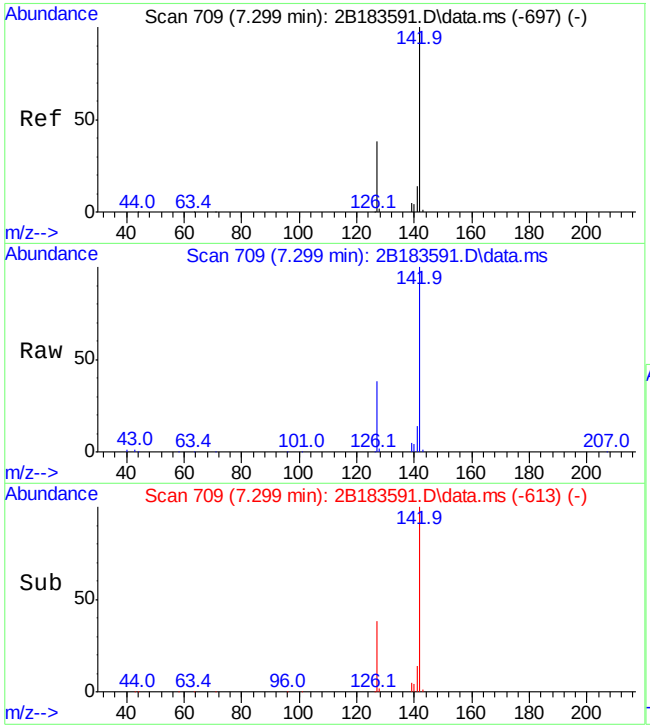


#19
acetonitrile
Concen: 519.14 ug/L
RT: 7.462 min Scan# 740
Delta R.T. 0.016 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 41 Resp: 140558

Ion	Ratio	Lower	Upper
41	100		
40	51.2	21.2	81.2
39	21.1	0.0	51.1

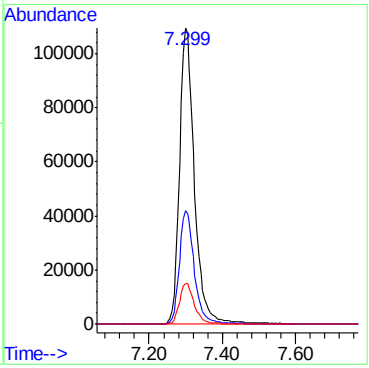


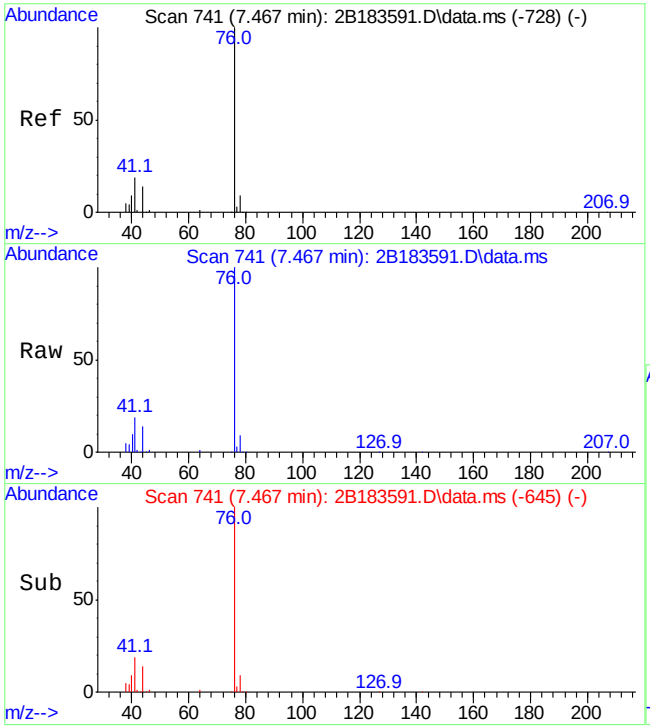


#20
iodomethane
Concen: 54.44 ug/L
RT: 7.299 min Scan# 709
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:142 Resp: 307653

Ion	Ratio	Lower	Upper
142	100		
127	38.2	8.2	68.2
141	13.6	0.0	43.6

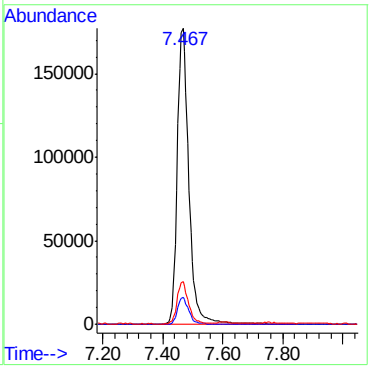


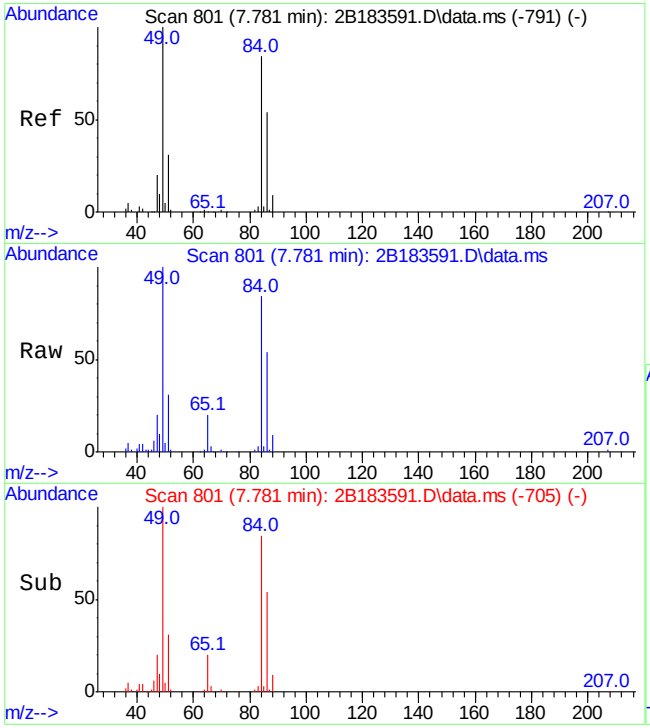


#21
carbon disulfide
Concen: 55.08 ug/L
RT: 7.467 min Scan# 741
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 76 Resp: 477516

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.2
44	14.1	0.0	44.1

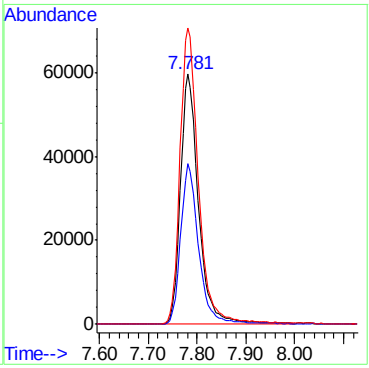


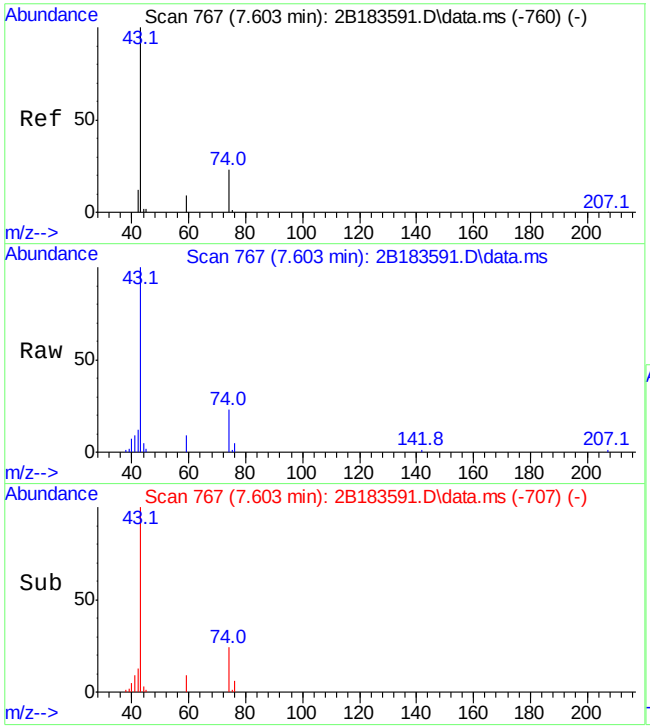


#22
methylene chloride
Concen: 56.10 ug/L
RT: 7.781 min Scan# 801
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 84 Resp: 152971

Ion	Ratio	Lower	Upper
84	100		
86	64.1	34.1	94.1
49	118.6	88.6	148.6

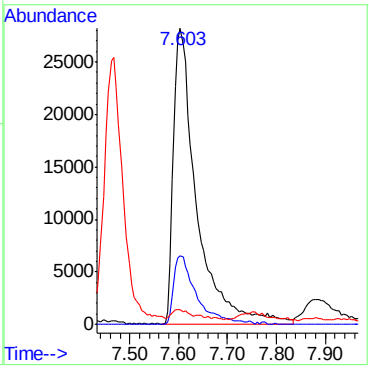


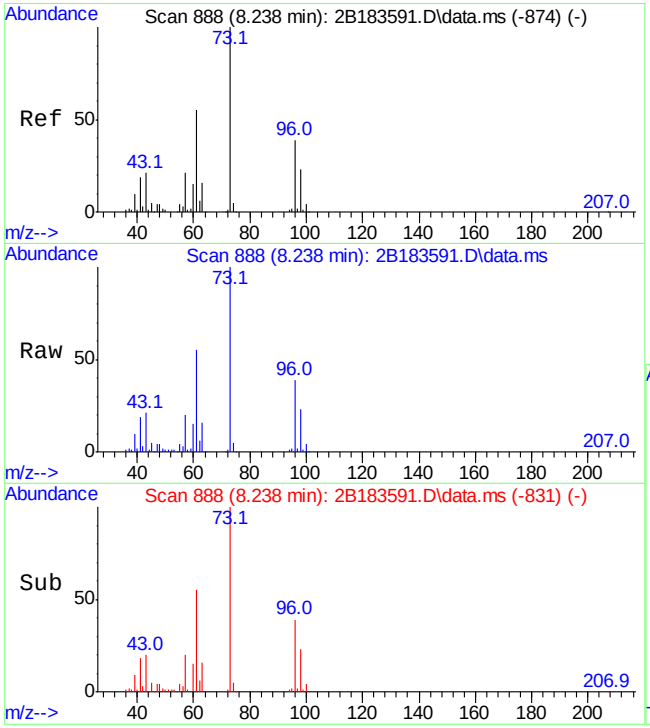


#23
methyl acetate
Concen: 56.48 ug/L
RT: 7.603 min Scan# 767
Delta R.T. 0.016 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 43 Resp: 93515

Ion	Ratio	Lower	Upper
43	100		
74	23.3	0.0	53.3
44	3.3	0.0	32.4

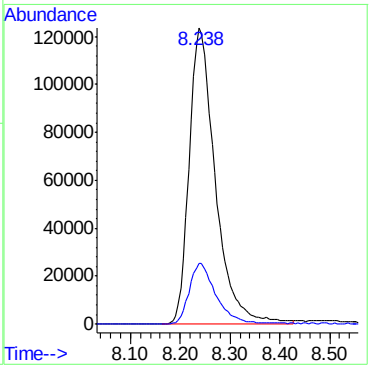


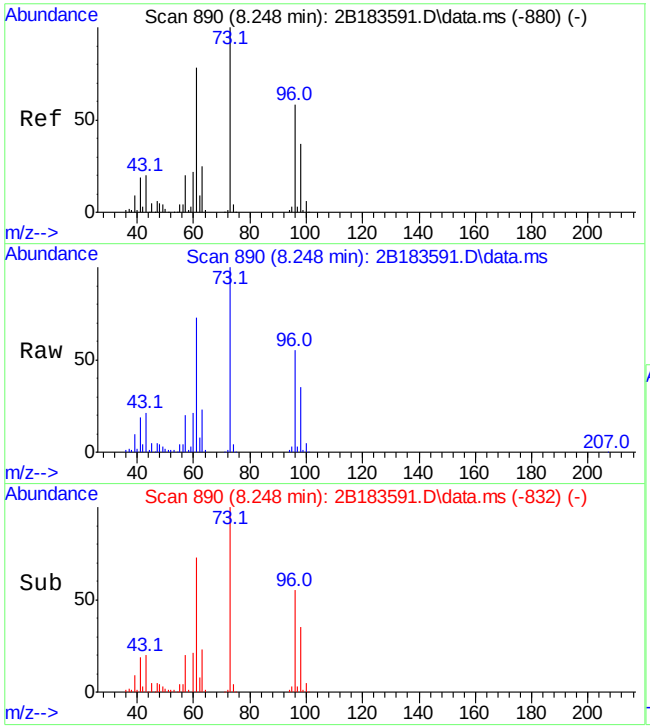


#24
methyl tert butyl ether
Concen: 55.21 ug/L
RT: 8.238 min Scan# 888
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 73 Resp: 450669

Ion	Ratio	Lower	Upper
73	100		
57	20.5	0.0	220.5

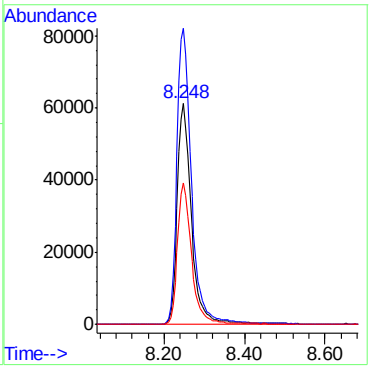


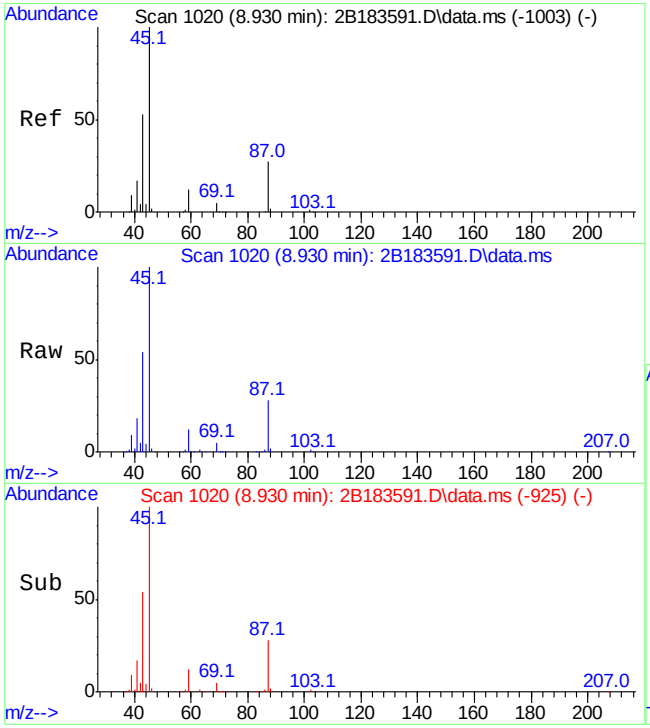


#25
trans-1,2-dichloroethene
Concen: 54.54 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 96 Resp: 150180

Ion	Ratio	Lower	Upper
96	100		
61	133.8	103.8	163.8
98	64.0	34.0	94.0

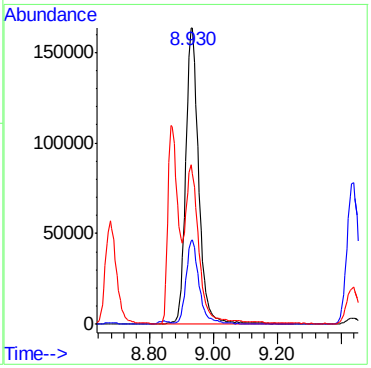


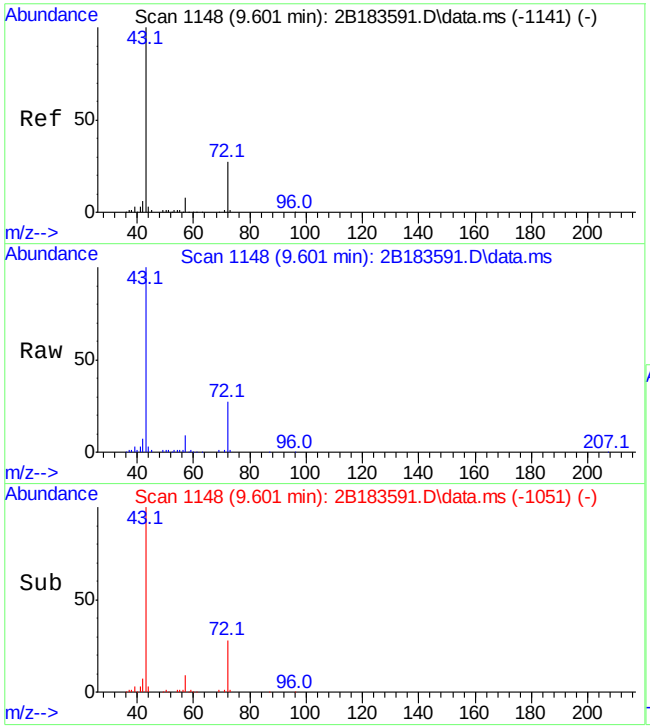


#26
di-isopropyl ether
Concen: 55.41 ug/L
RT: 8.930 min Scan# 1020
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 45 Resp: 460599

Ion	Ratio	Lower	Upper
45	100		
87	28.2	0.0	58.2
43	53.5	23.5	83.5

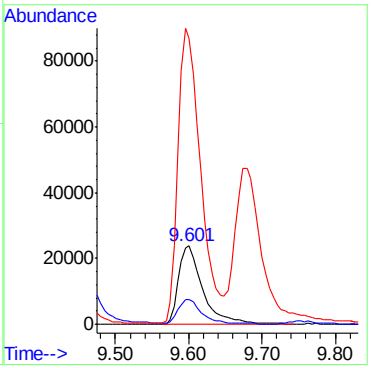


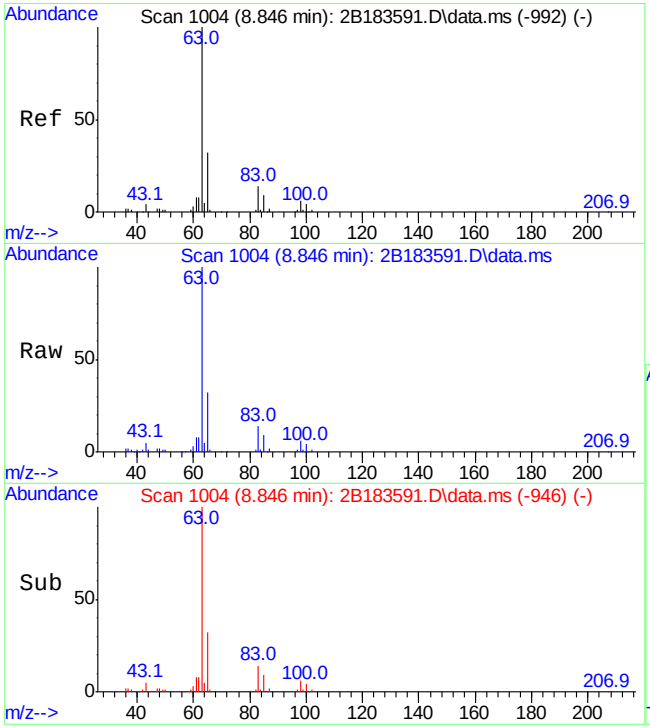


#27
2-butanone
Concen: 223.99 ug/L
RT: 9.601 min Scan# 1148
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 72 Resp: 55156

Ion	Ratio	Lower	Upper
72	100		
57	29.8	0.0	59.8
43	364.2	334.2	394.2

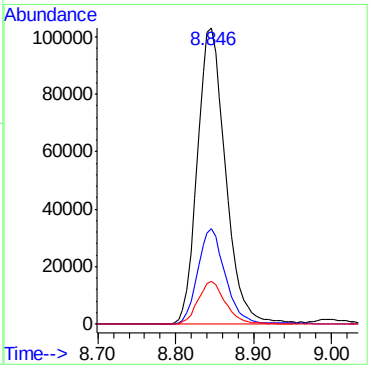


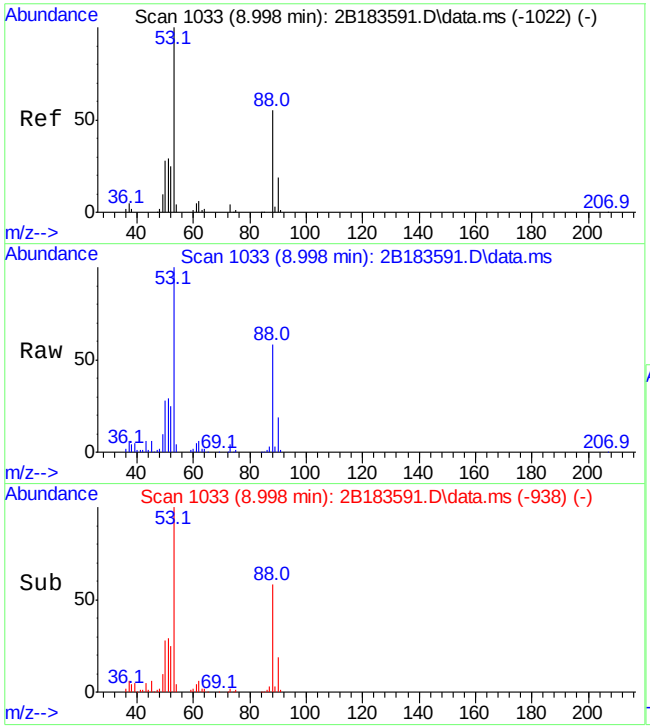


#28
1,1-dichloroethane
Concen: 55.72 ug/L
RT: 8.846 min Scan# 1004
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 63 Resp: 257491

Ion	Ratio	Lower	Upper
63	100		
65	32.1	2.1	62.1
83	14.4	0.0	44.4

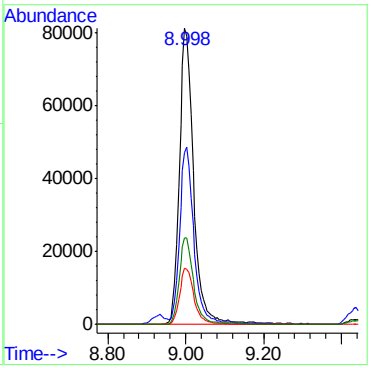


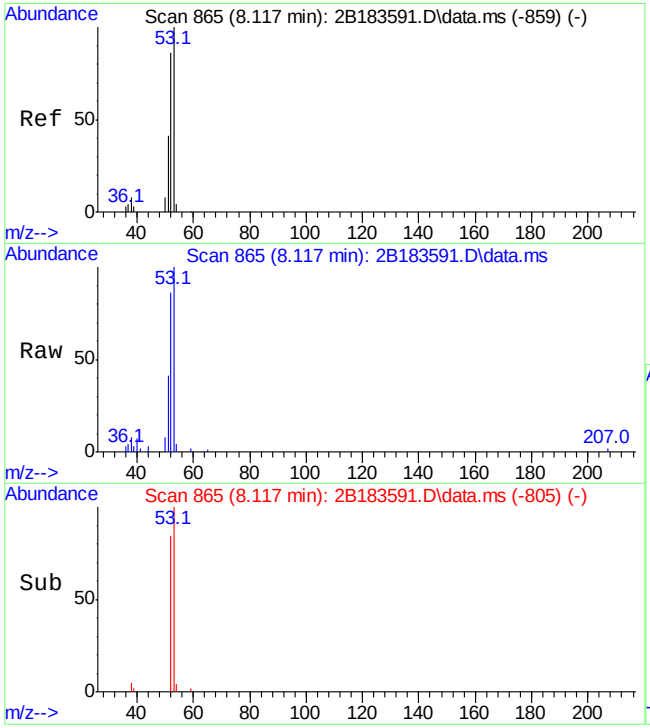


#29
chloroprene
Concen: 57.70 ug/L
RT: 8.998 min Scan# 1033
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 53 Resp: 205671

Ion	Ratio	Lower	Upper
53	100		
88	57.6	27.6	87.6
90	18.9	0.0	48.9
51	29.1	0.0	59.1

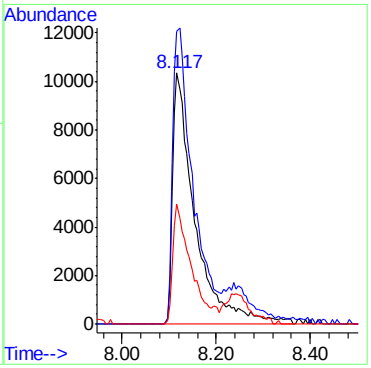


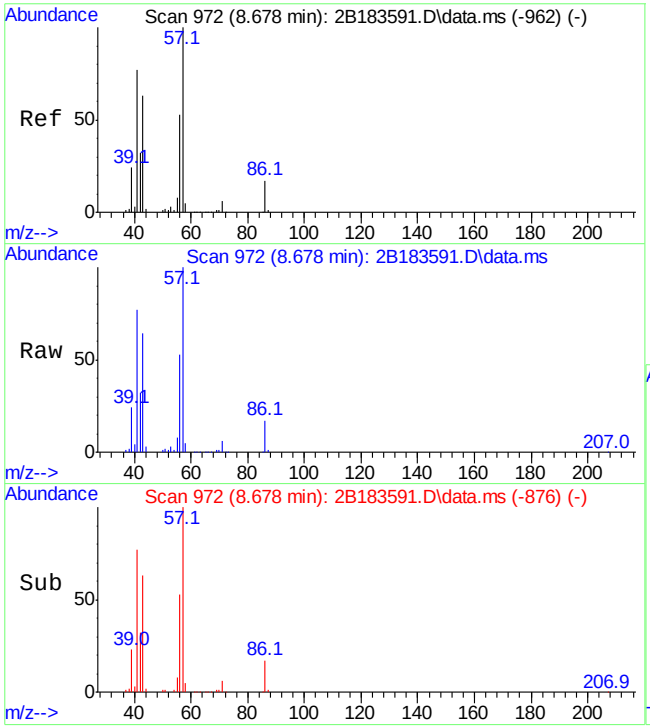


#30
acrylonitrile
Concen: 55.18 ug/L
RT: 8.117 min Scan# 865
Delta R.T. 0.016 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 52 Resp: 33927

Ion	Ratio	Lower	Upper
52	100		
53	116.6	86.6	146.6
51	47.8	17.8	77.8

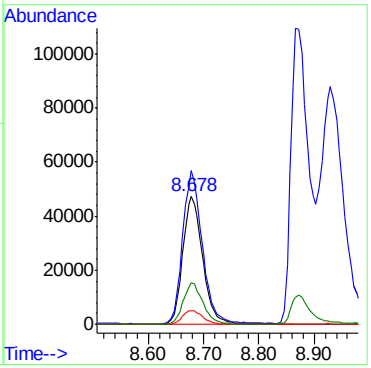


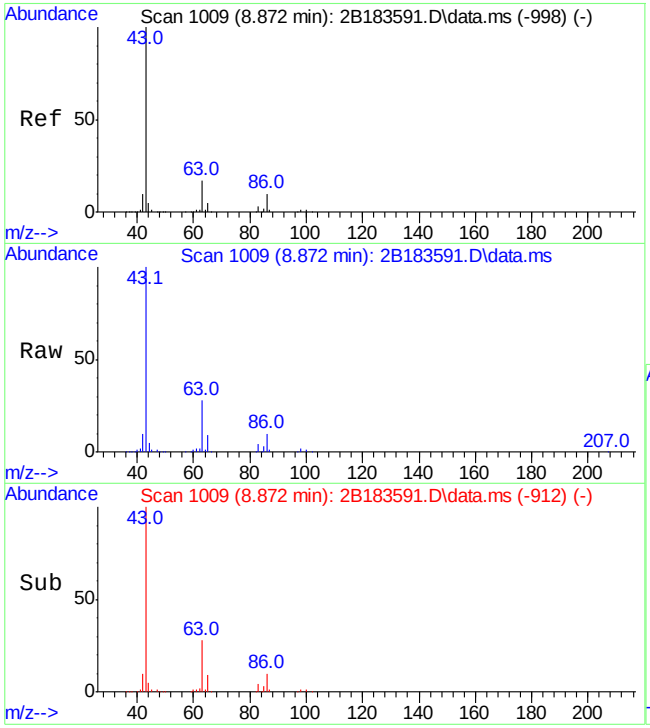


#31
hexane
Concen: 58.08 ug/L
RT: 8.678 min Scan# 972
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 56 Resp: 118162

Ion	Ratio	Lower	Upper
56	100		
43	119.4	99.4	139.4
71	11.0	0.0	31.0
86	32.3	12.3	52.3

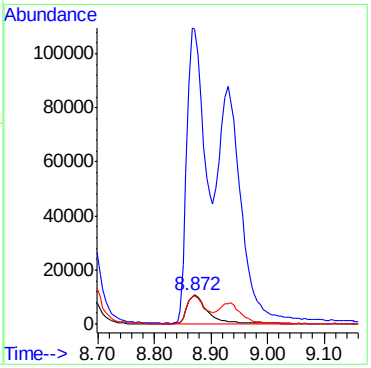


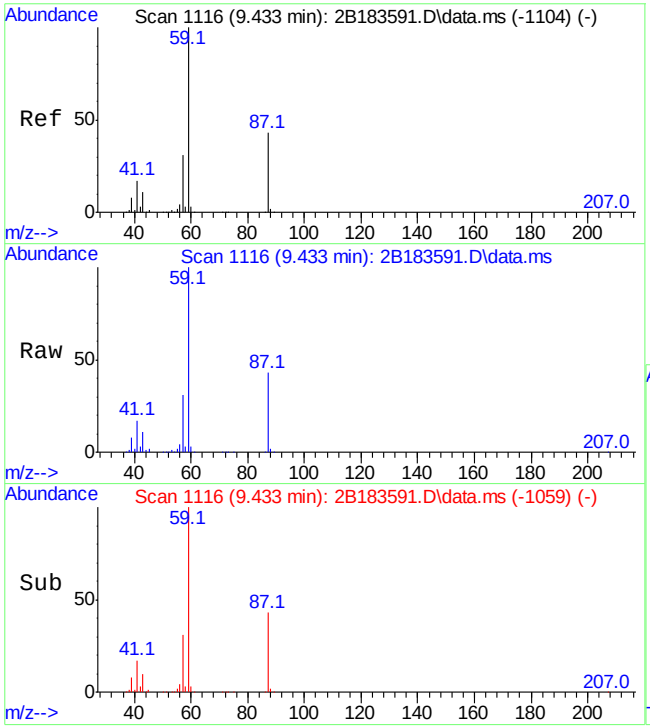


#32
vinyl acetate
Concen: 56.42 ug/L
RT: 8.872 min Scan# 1009
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 86 Resp: 28269

Ion	Ratio	Lower	Upper
86	100		
43	1011.3	981.3	1041.3
42	96.4	66.4	126.4

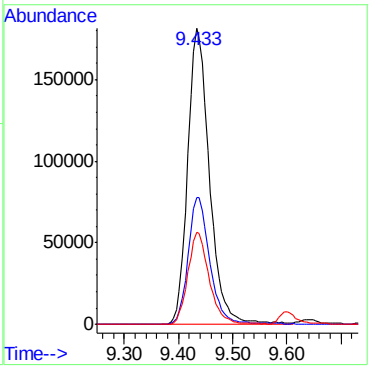


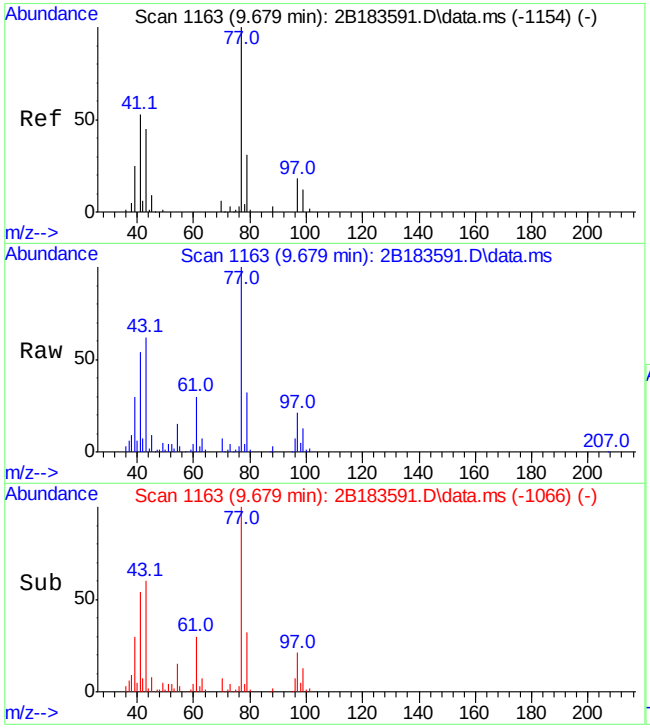


#33
ethyl tert-butyl ether
Concen: 56.14 ug/L
RT: 9.433 min Scan# 1116
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 59 Resp: 509604

Ion	Ratio	Lower	Upper
59	100		
87	42.7	12.7	72.7
57	30.9	0.9	60.9

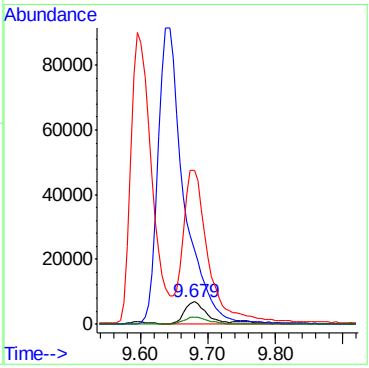


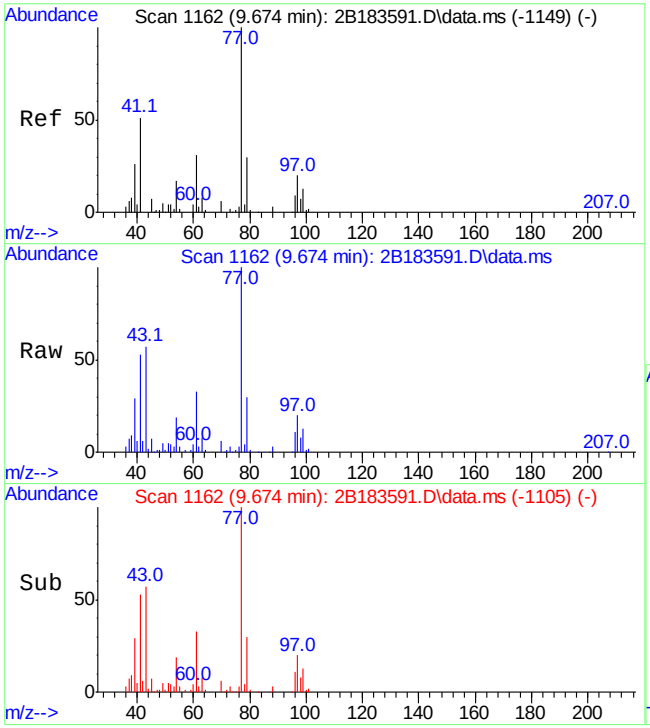


#34
ethyl acetate
Concen: 57.60 ug/L
RT: 9.679 min Scan# 1163
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 45 Resp: 17841

Ion	Ratio	Lower	Upper
45	100		
61	332.1	302.1	362.1
43	683.2	653.2	713.2
88	31.5	1.5	61.5

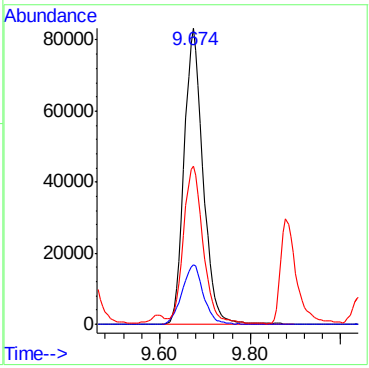


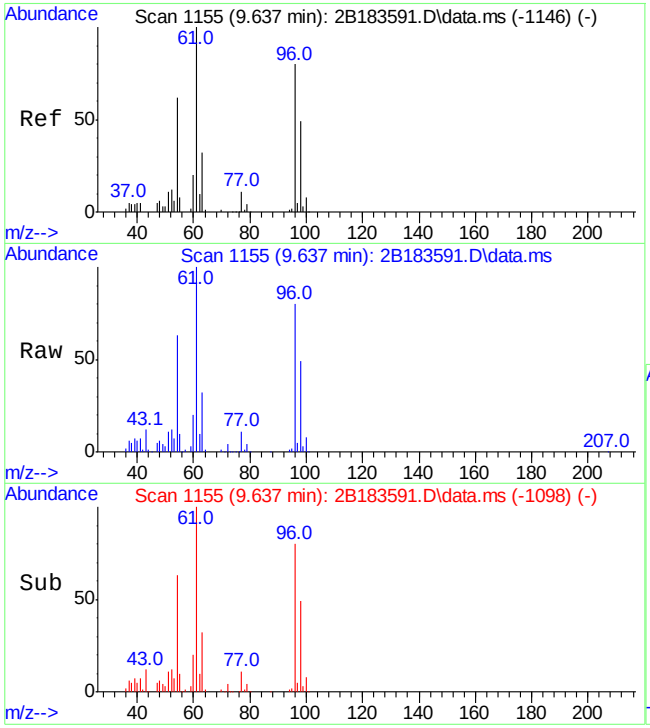


#35
2,2-dichloropropane
Concen: 55.32 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 77 Resp: 241196

Ion	Ratio	Lower	Upper
77	100		
97	20.3	0.0	50.3
41	50.8	20.8	80.8

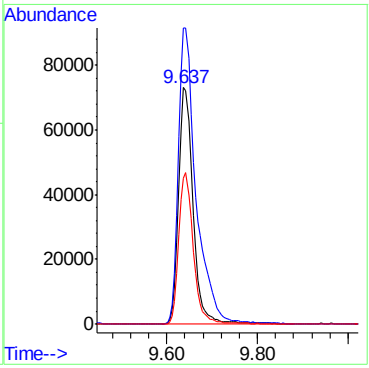


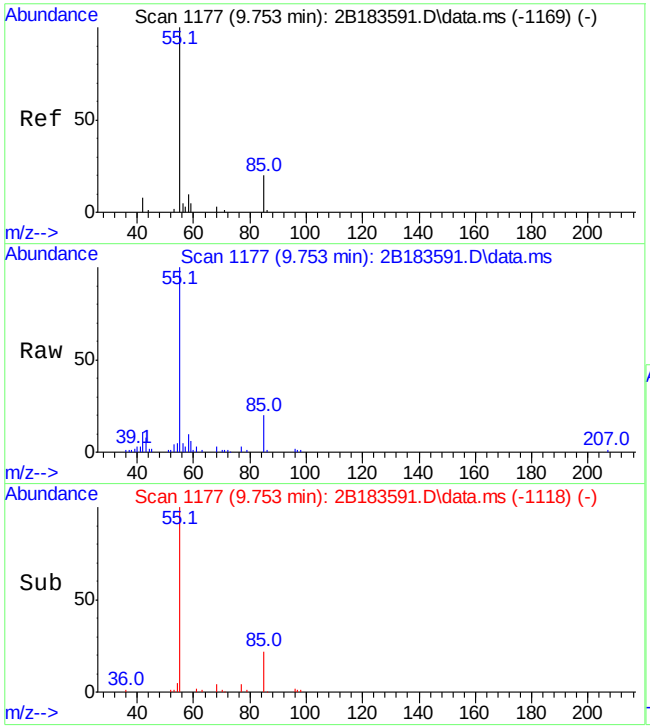


#36
cis-1,2-dichloroethene
Concen: 55.43 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 96 Resp: 161662

Ion	Ratio	Lower	Upper
96	100		
61	125.1	95.1	155.1
98	61.7	31.7	91.7

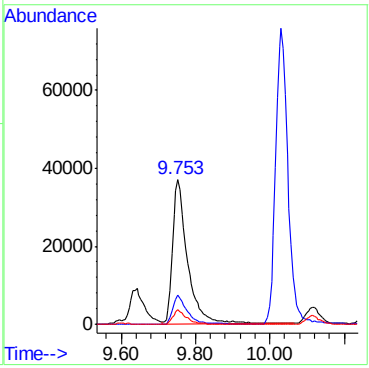


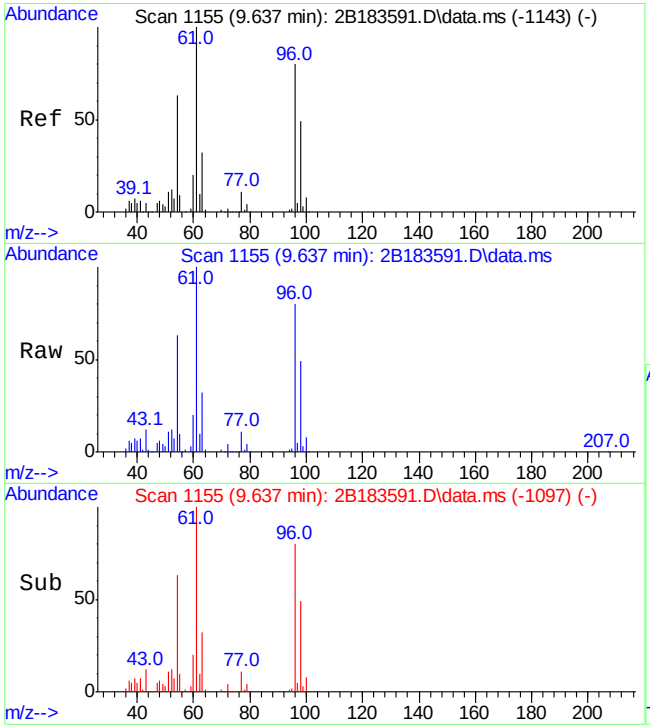


#37
methyl acrylate
Concen: 53.15 ug/L
RT: 9.753 min Scan# 1177
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 55 Resp: 102959

Ion	Ratio	Lower	Upper
55	100		
85	20.1	0.0	50.1
58	9.8	0.0	39.8

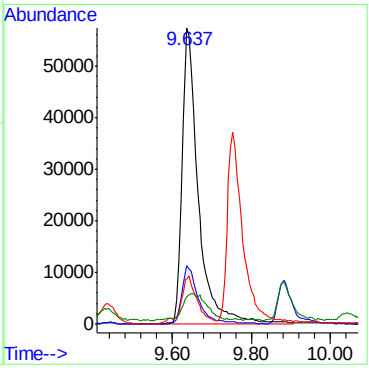


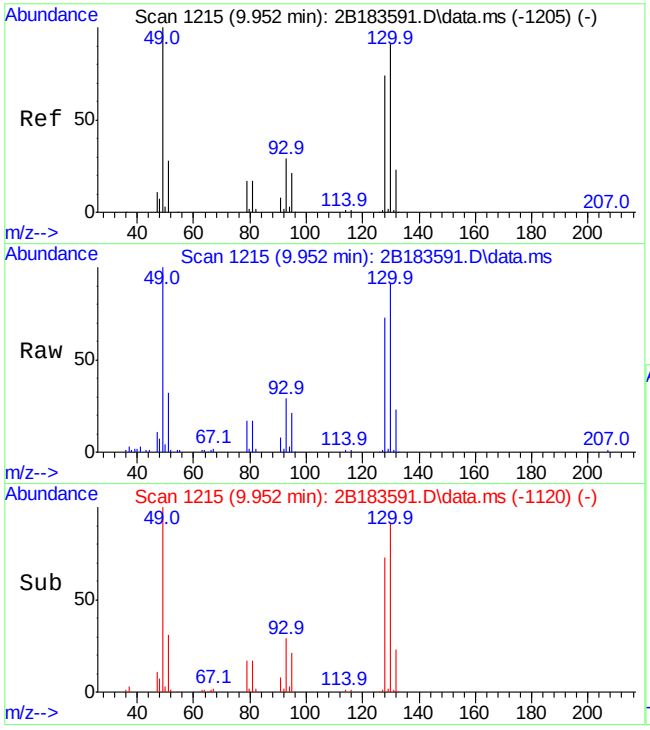


#38
propionitrile
Concen: 558.32 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 54 Resp: 164605

Ion	Ratio	Lower	Upper
54	100		
52	19.6	0.0	49.6
55	14.7	0.0	44.7
40	7.8	0.0	37.8

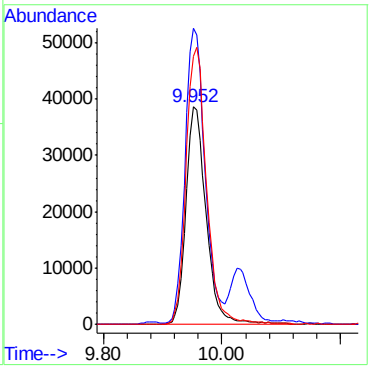


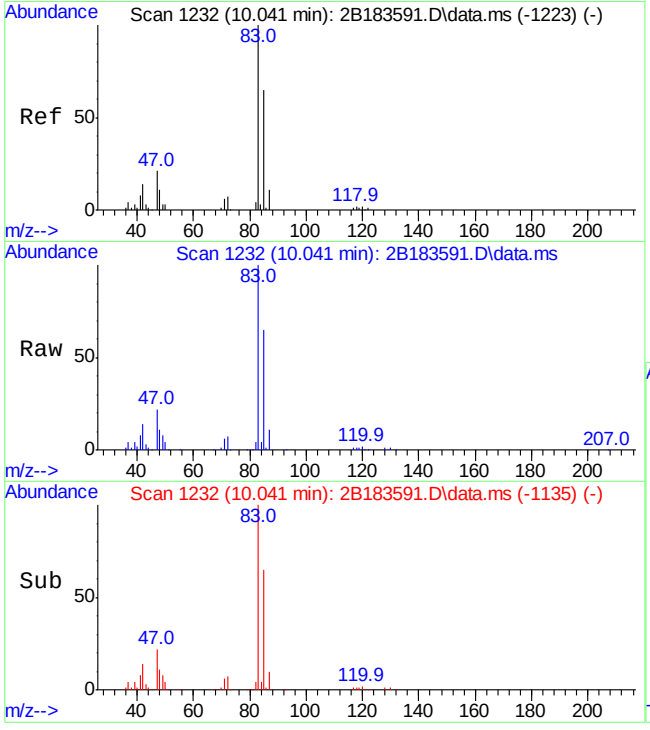


#39
bromochloromethane
Concen: 54.76 ug/L
RT: 9.952 min Scan# 1215
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:128 Resp: 90856

Ion	Ratio	Lower	Upper
128	100		
49	135.9	105.9	165.9
130	123.4	93.4	153.4

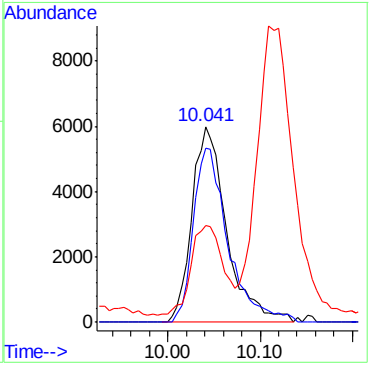


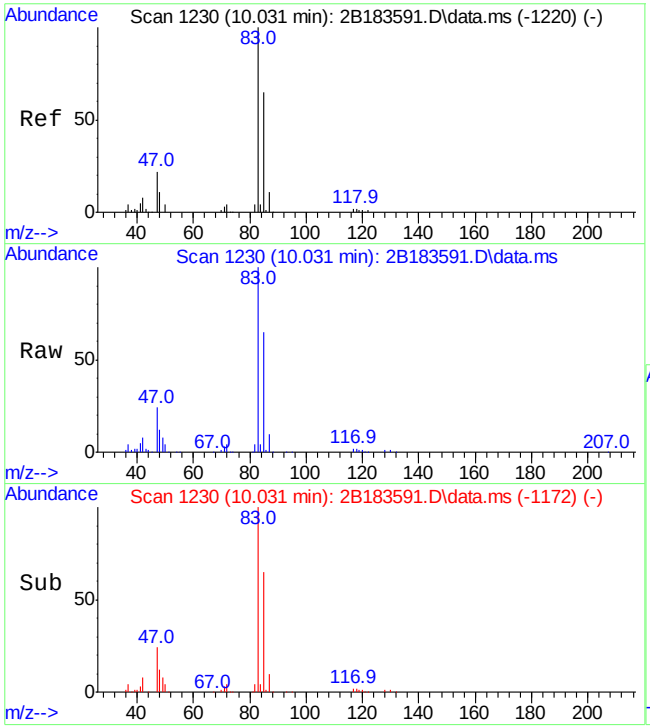


#40
tetrahydrofuran
Concen: 54.27 ug/L
RT: 10.041 min Scan# 1232
Delta R.T. 0.006 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 72 Resp: 15605

Ion	Ratio	Lower	Upper
72	100		
71	88.8	58.8	118.8
43	45.1	15.1	75.1

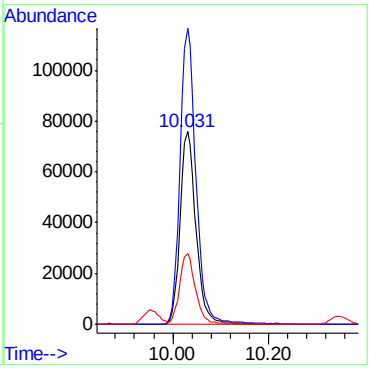


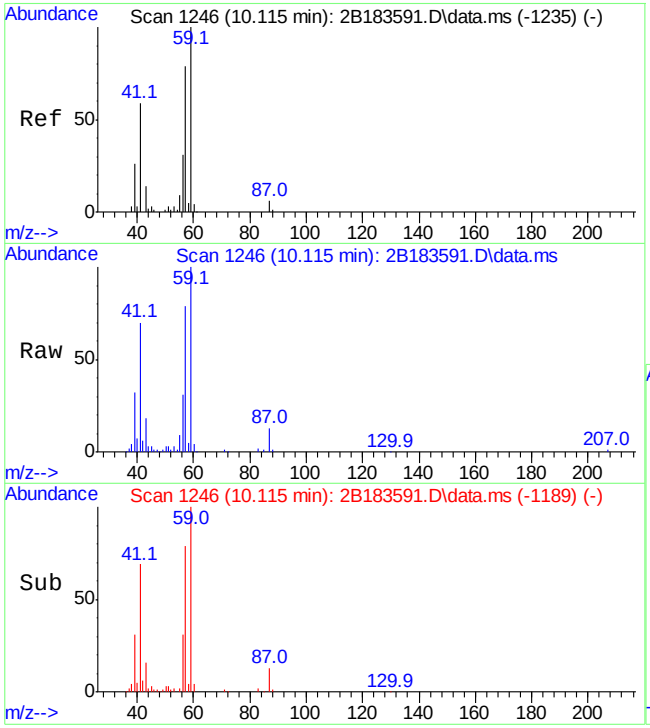


#41
chloroform
Concen: 51.95 ug/L
RT: 10.031 min Scan# 1230
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 85 Resp: 174844

Ion	Ratio	Lower	Upper
85	100		
83	153.5	123.5	183.5
47	36.5	6.5	66.5

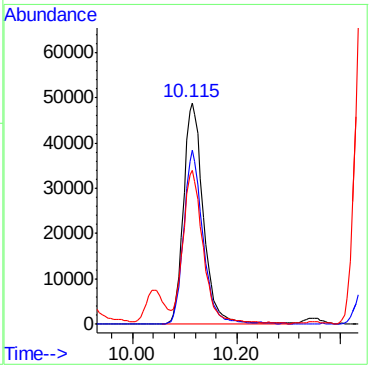


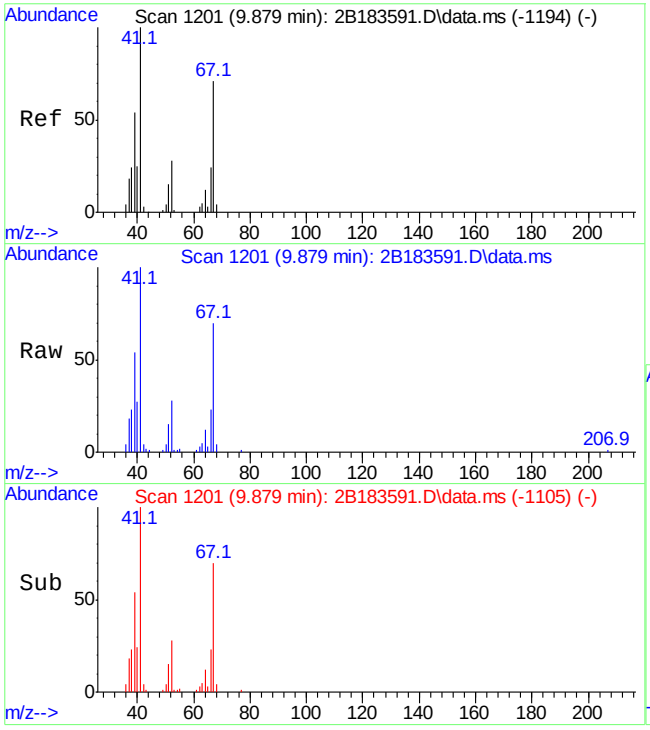


#42
t-butyl formate
Concen: 57.38 ug/L
RT: 10.115 min Scan# 1246
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 59 Resp: 129772

Ion	Ratio	Lower	Upper
59	100		
57	78.9	48.9	108.9
41	69.1	39.1	99.1

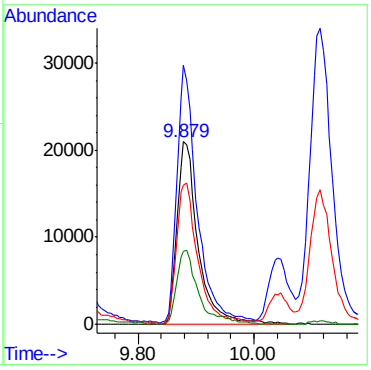


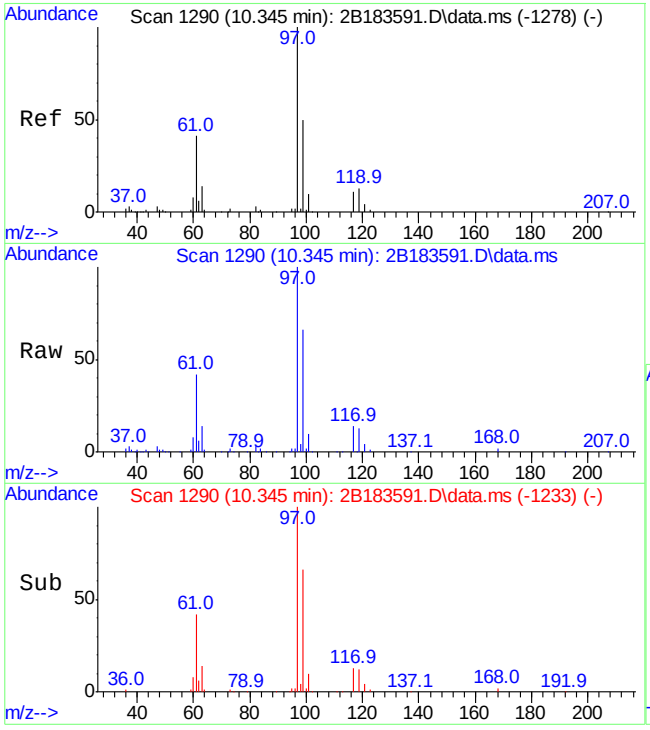


#44
methacrylonitrile
Concen: 56.09 ug/L
RT: 9.879 min Scan# 1201
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 67 Resp: 53306

Ion	Ratio	Lower	Upper
67	100		
41	140.7	110.7	170.7
39	76.4	46.4	106.4
52	39.9	9.9	69.9

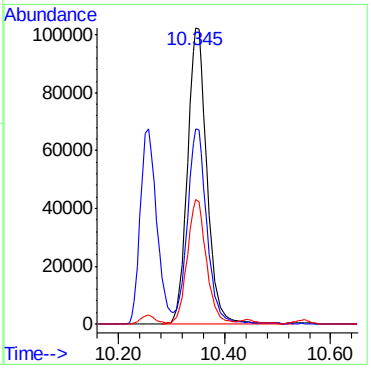


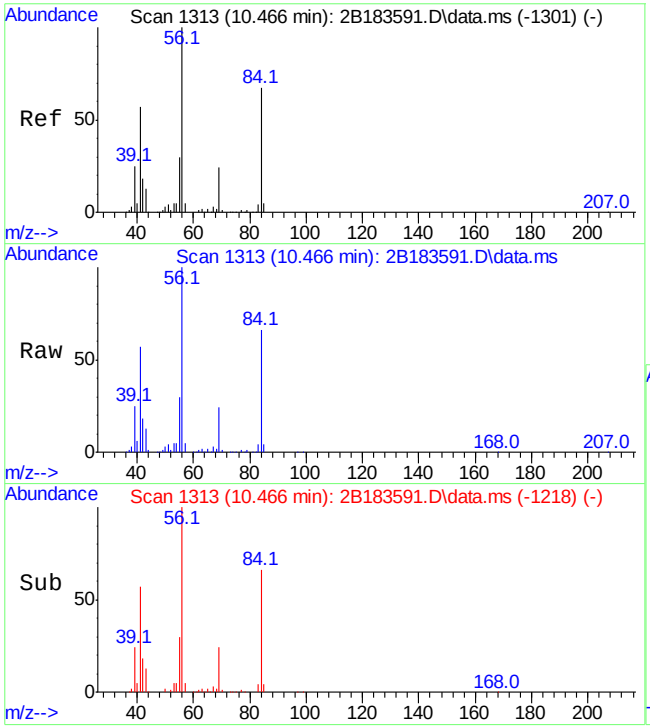


#45
1,1,1-trichloroethane
Concen: 58.03 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 97 Resp: 262658

Ion	Ratio	Lower	Upper
97	100		
99	65.8	36.0	96.0
61	41.5	12.1	72.1

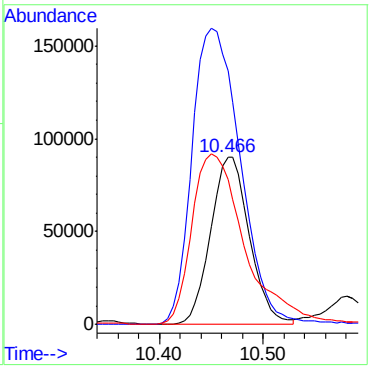


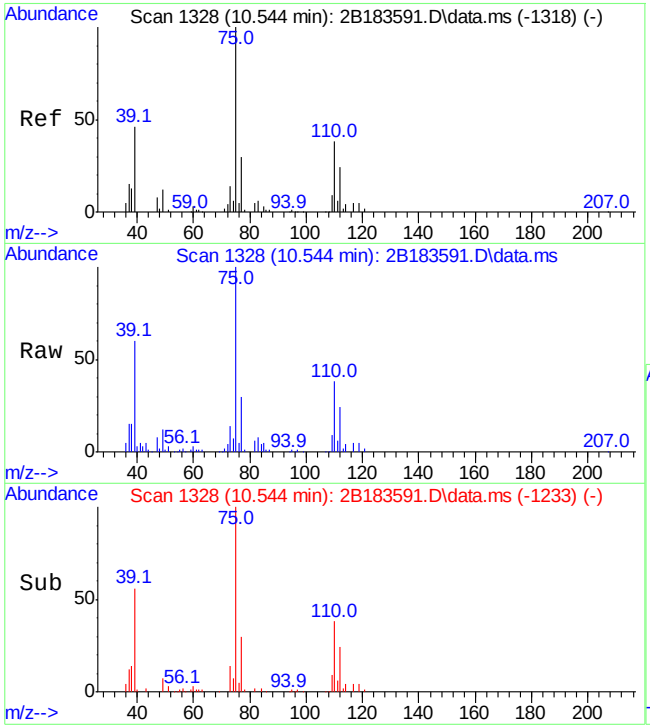


#46
cyclohexane
Concen: 58.27 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 84 Resp: 234165

Ion	Ratio	Lower	Upper
84	100		
56	150.0	130.0	170.0
41	85.8	65.8	105.8

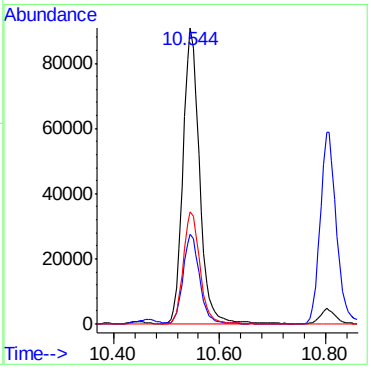


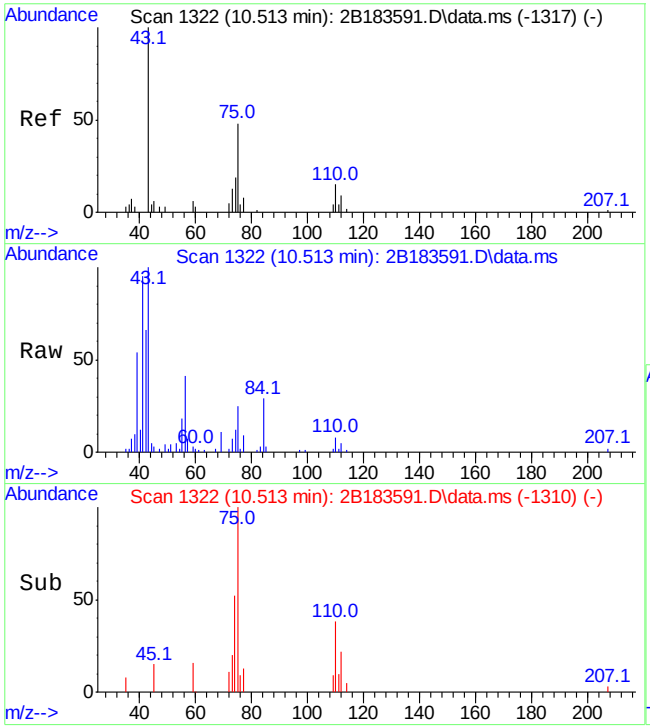


#47
1,1-dichloropropene
Concen: 56.28 ug/L
RT: 10.544 min Scan# 1328
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 75 Resp: 198100

Ion	Ratio	Lower	Upper
75	100		
77	30.5	10.5	50.5
110	37.9	17.9	57.9

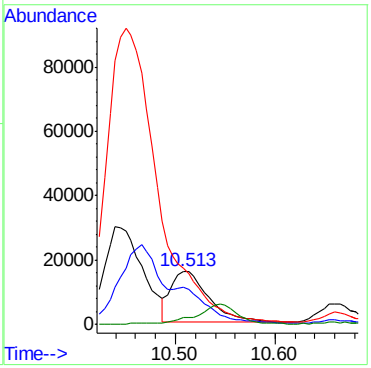


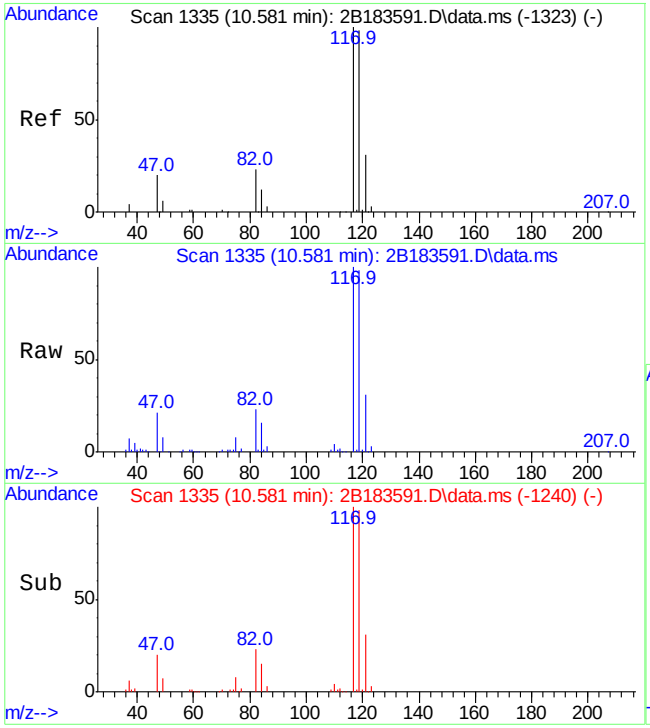


#48
iso-butyl alcohol
Concen: 518.05 ug/L
RT: 10.513 min Scan# 1322
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 43 Resp: 41333

Ion	Ratio	Lower	Upper
43	100		
42	66.5	36.5	96.5
41	94.7	64.7	124.7
74	12.8	0.0	42.8

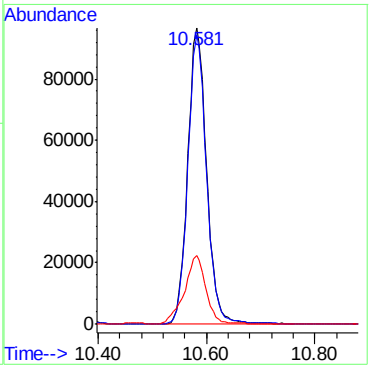


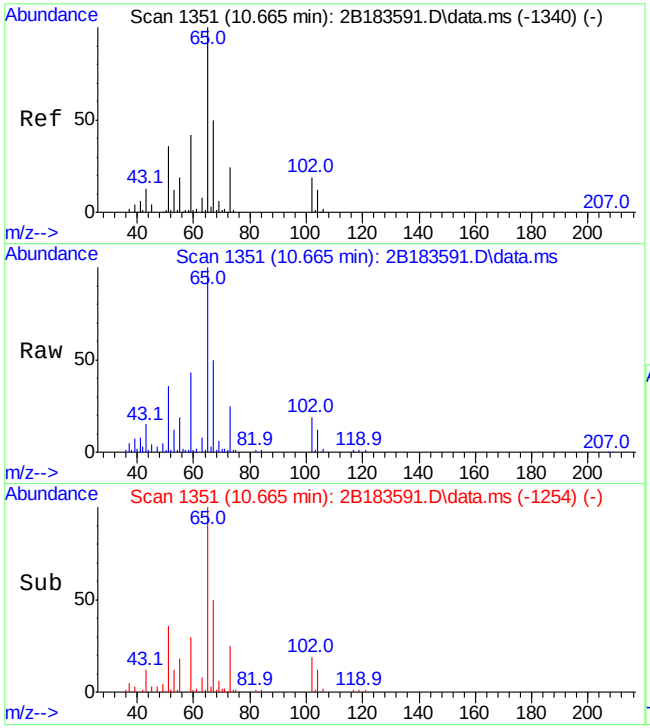


#49
carbon tetrachloride
Concen: 55.61 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:117 Resp: 235688

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.7	117.7
82	23.1	3.1	43.1

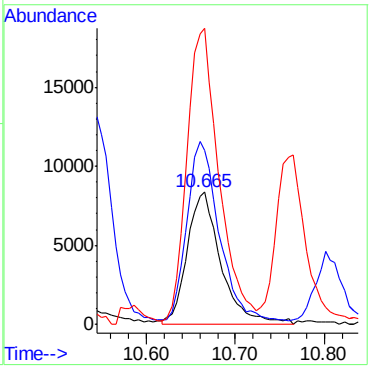


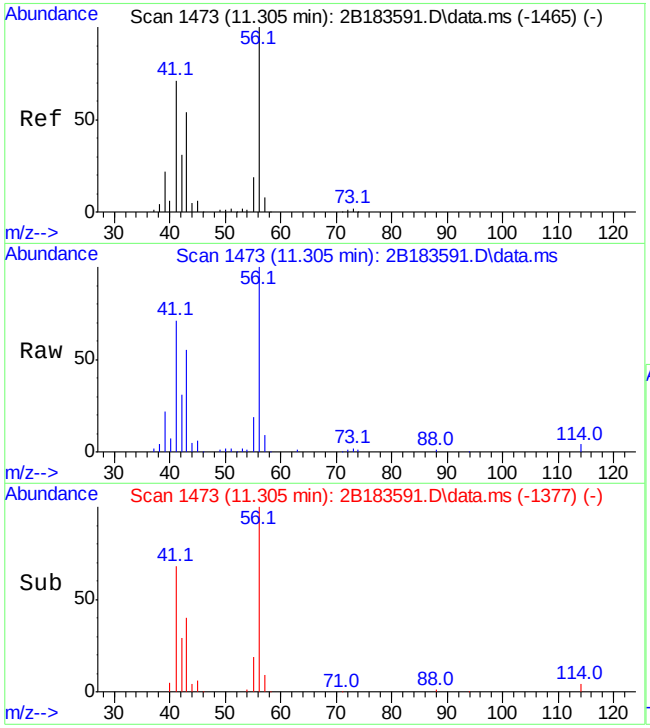


#50
tert amyl alcohol
Concen: 263.39 ug/L
RT: 10.665 min Scan# 1351
Delta R.T. 0.011 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 55 Resp: 22101

Ion	Ratio	Lower	Upper
55	100		
73	128.8	98.8	158.8
59	221.9	191.9	251.9

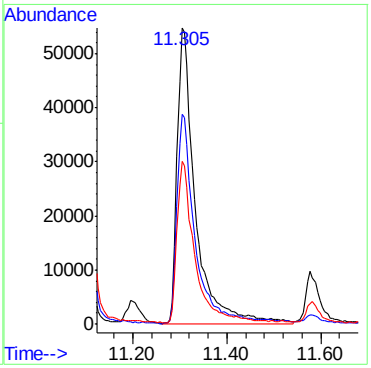


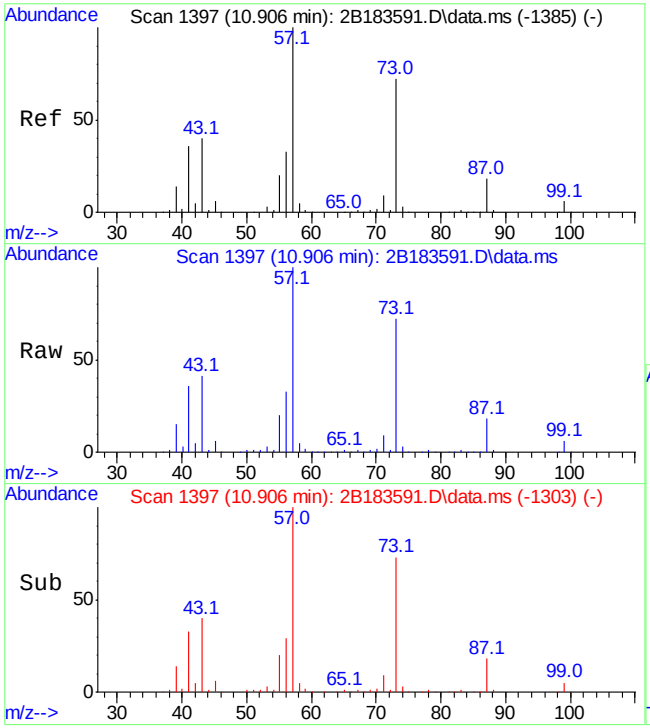


#53
n-butyl alcohol
Concen: 2588.80 ug/L
RT: 11.305 min Scan# 1473
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 56 Resp: 147939

Ion	Ratio	Lower	Upper
56	100		
41	70.8	40.8	100.8
43	54.4	24.4	84.4

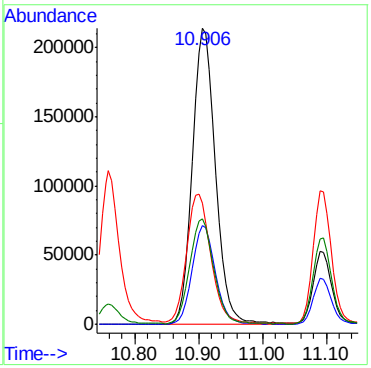


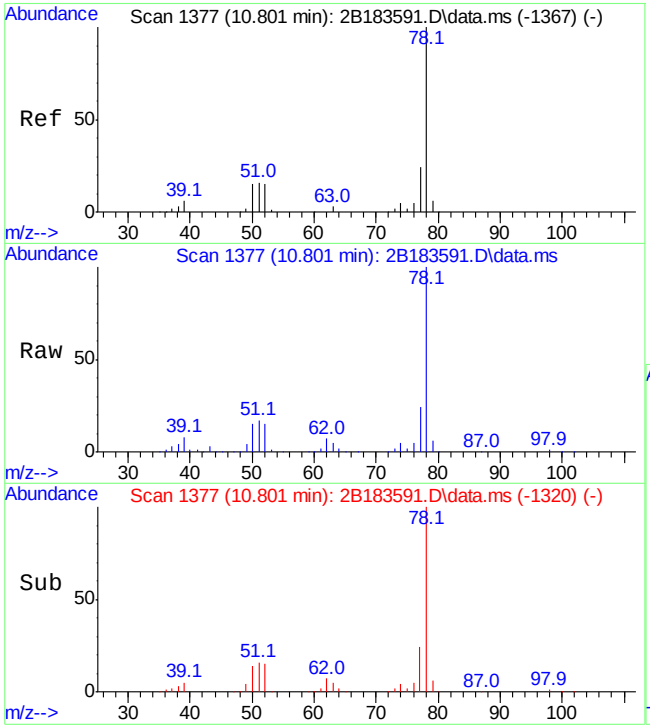


#54
2,2,4-trimethylpentane
Concen: 56.73 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 57 Resp: 537388

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.5	63.5
43	40.7	10.7	70.7
41	35.5	5.5	65.5

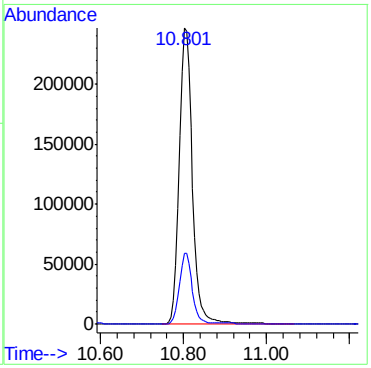


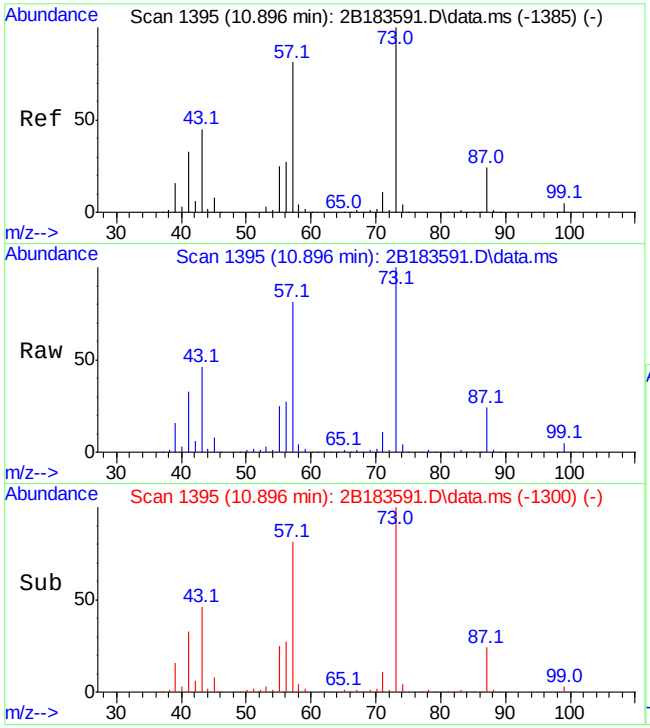


#55
benzene
Concen: 55.00 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 78 Resp: 550461

Ion	Ratio	Lower	Upper
78	100		
77	23.9	0.0	53.9

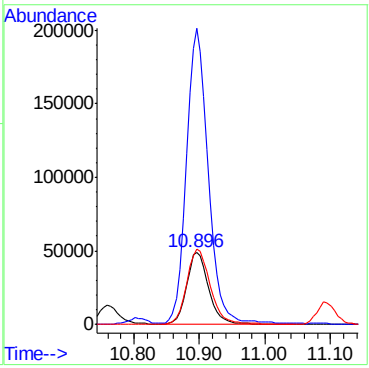


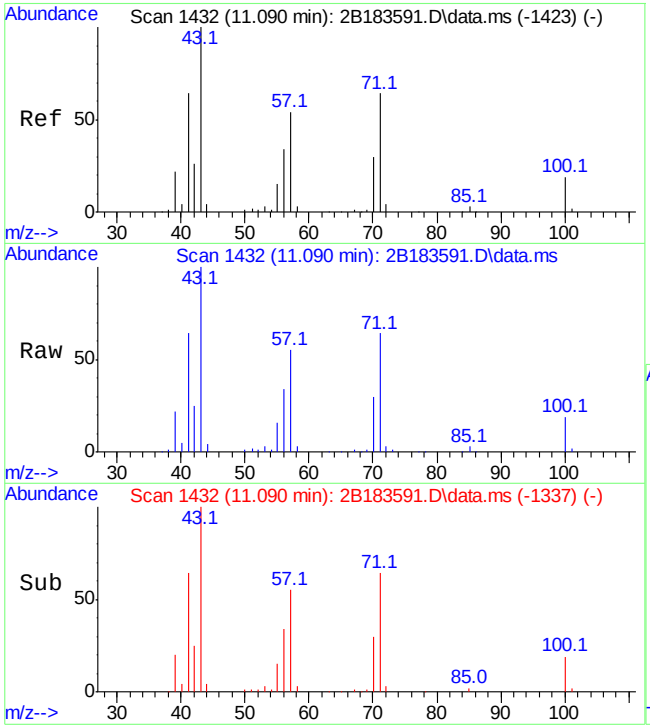


#56
tert-amyl methyl ether
Concen: 53.67 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 87 Resp: 116060

Ion	Ratio	Lower	Upper
87	100		
73	407.9	377.9	437.9
55	103.1	73.1	133.1

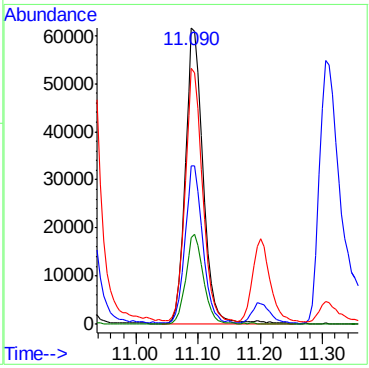


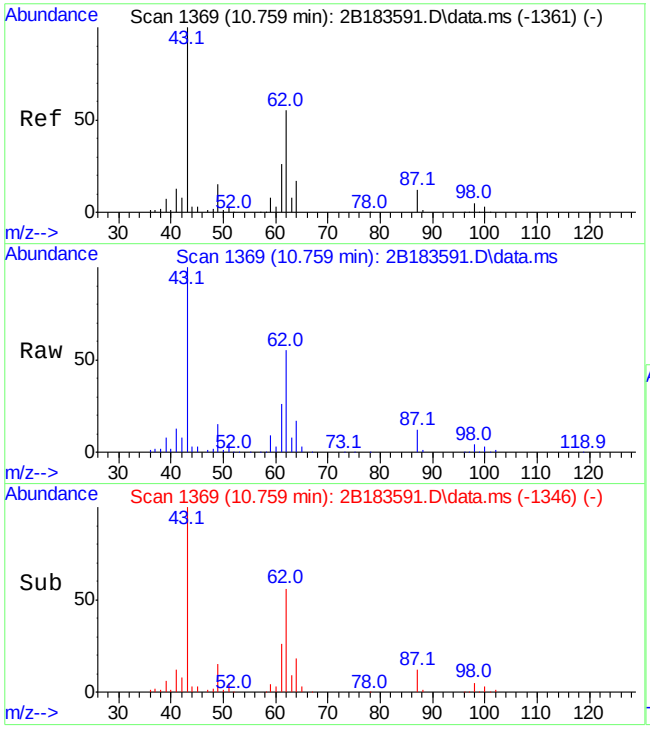


#57
heptane
Concen: 58.10 ug/L
RT: 11.090 min Scan# 1432
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 71 Resp: 124055

Ion	Ratio	Lower	Upper
71	100		
56	53.2	23.2	83.2
57	84.9	54.9	114.9
100	29.2	0.0	59.2

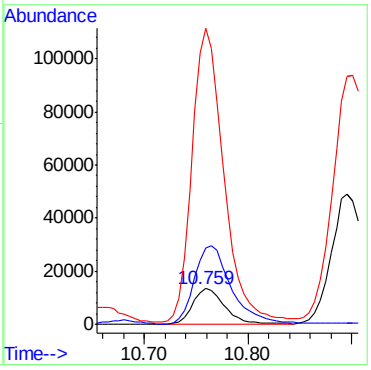


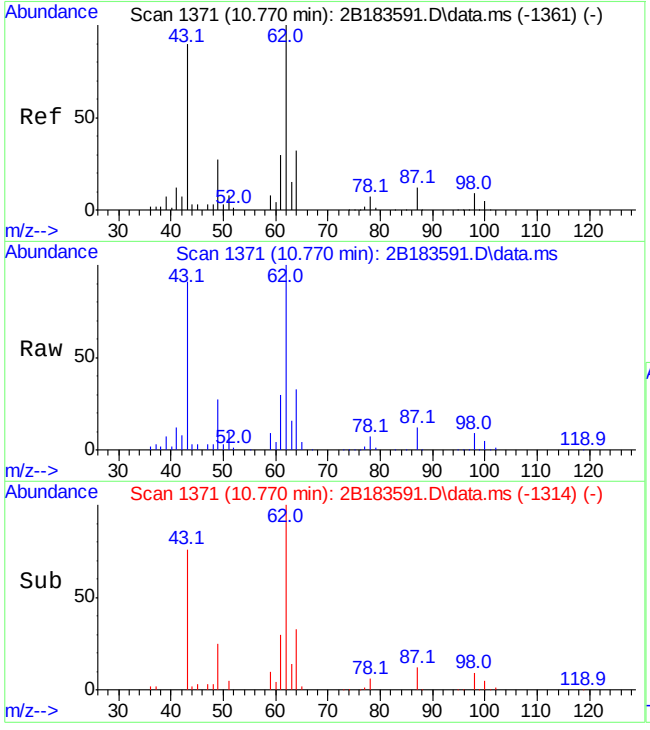


#58
isopropyl acetate
Concen: 54.27 ug/L
RT: 10.759 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 87 Resp: 28967

Ion	Ratio	Lower	Upper
87	100		
61	215.0	185.0	245.0
43	829.1	799.1	859.1

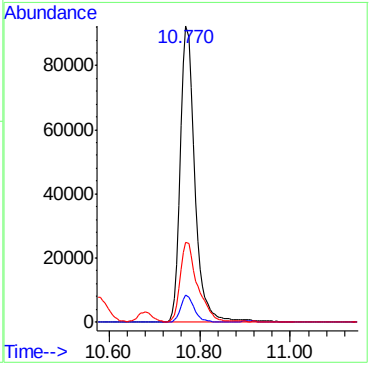


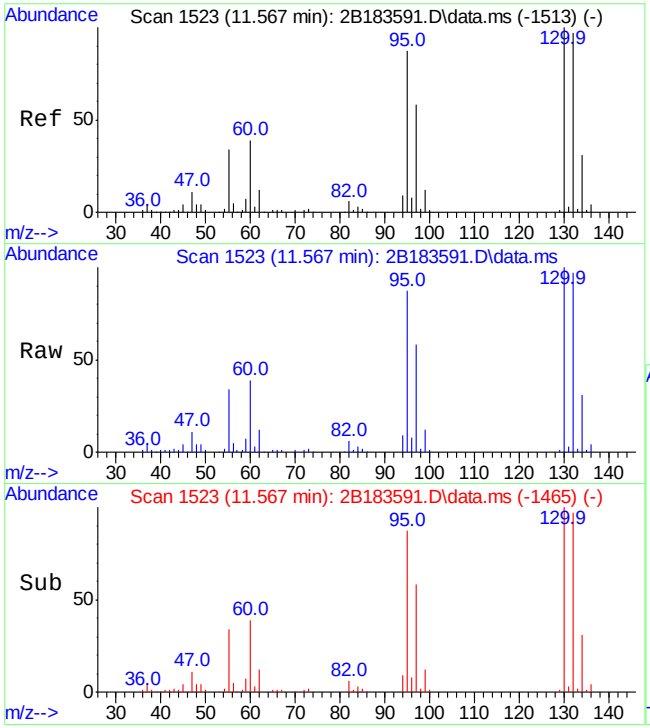


#59
1,2-dichloroethane
Concen: 53.38 ug/L
RT: 10.770 min Scan# 1371
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 62 Resp: 204170

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	39.0
49	26.8	0.0	56.8

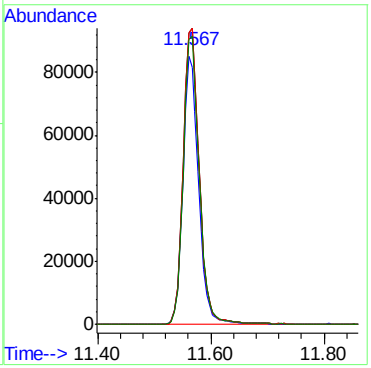


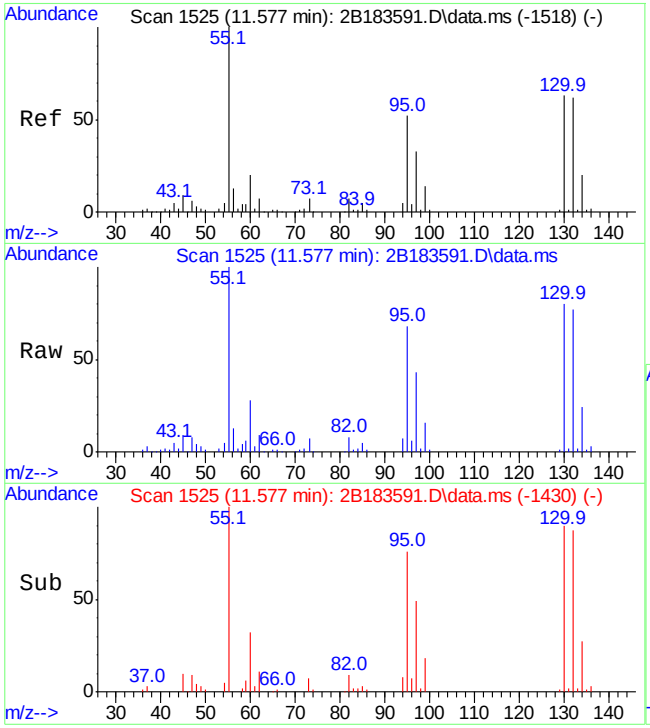


#60
trichloroethene
Concen: 57.08 ug/L
RT: 11.567 min Scan# 1523
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:130 Resp: 185990

Ion	Ratio	Lower	Upper
130	100		
95	86.8	56.8	116.8
130	100.0	70.0	130.0
132	97.2	67.2	127.2

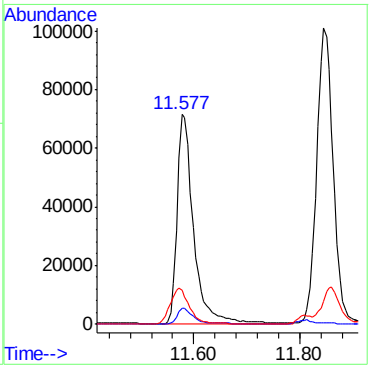


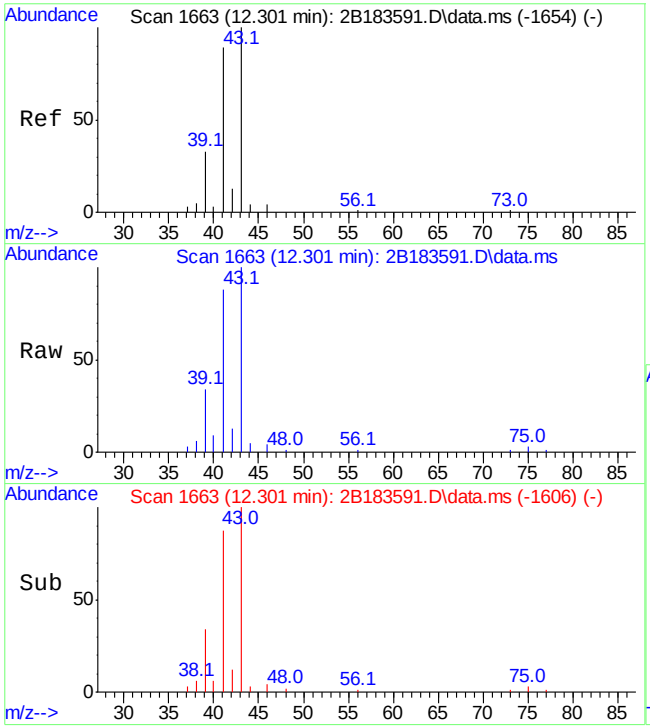


#61
ethyl acrylate
Concen: 55.85 ug/L
RT: 11.577 min Scan# 1525
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 55 Resp: 154909

Ion	Ratio	Lower	Upper
55	100		
73	7.3	0.0	27.3
99	15.3	0.0	34.6

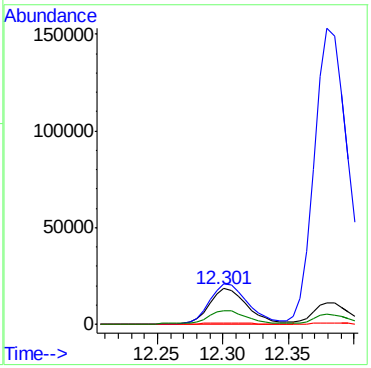


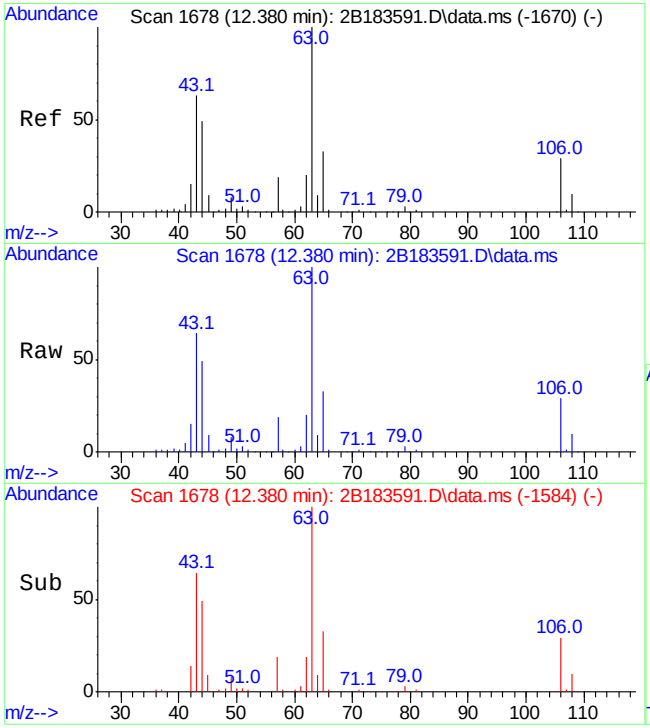


#62
2-nitropropane
Concen: 53.31 ug/L
RT: 12.301 min Scan# 1663
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 41 Resp: 37930

Ion	Ratio	Lower	Upper
41	100		
43	112.9	92.9	132.9
46	4.8	0.0	24.8
39	37.1	17.1	57.1

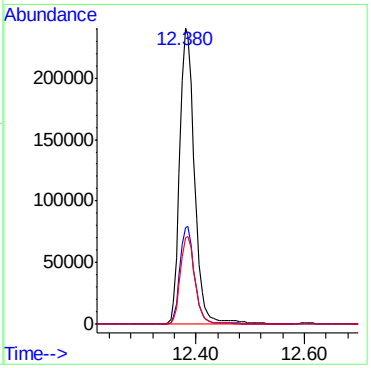


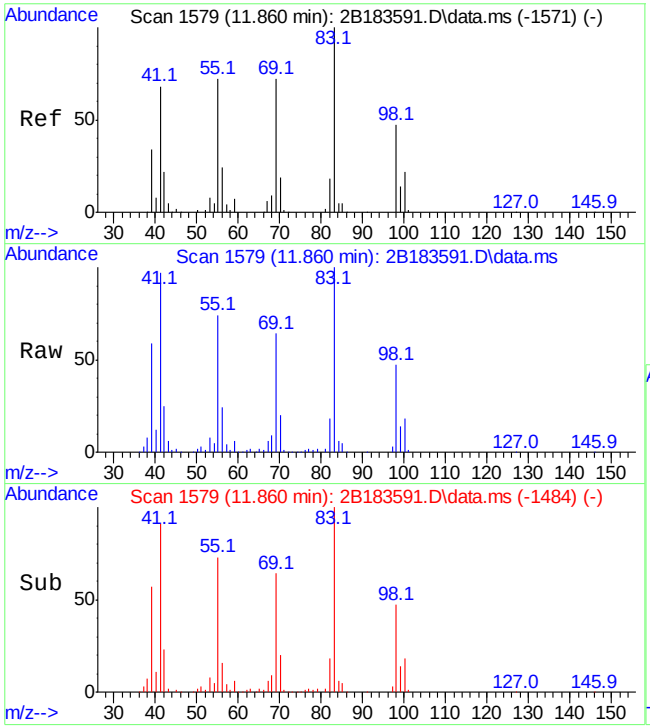


#63
2-chloroethyl vinyl ether
Concen: 283.84 ug/L
RT: 12.380 min Scan# 1678
Delta R.T. -0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 63 Resp: 450881

Ion	Ratio	Lower	Upper
63	100		
65	32.7	2.7	62.7
106	29.0	0.0	59.0

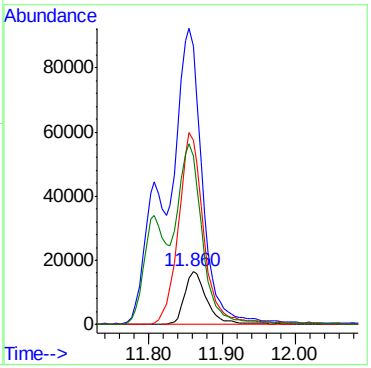


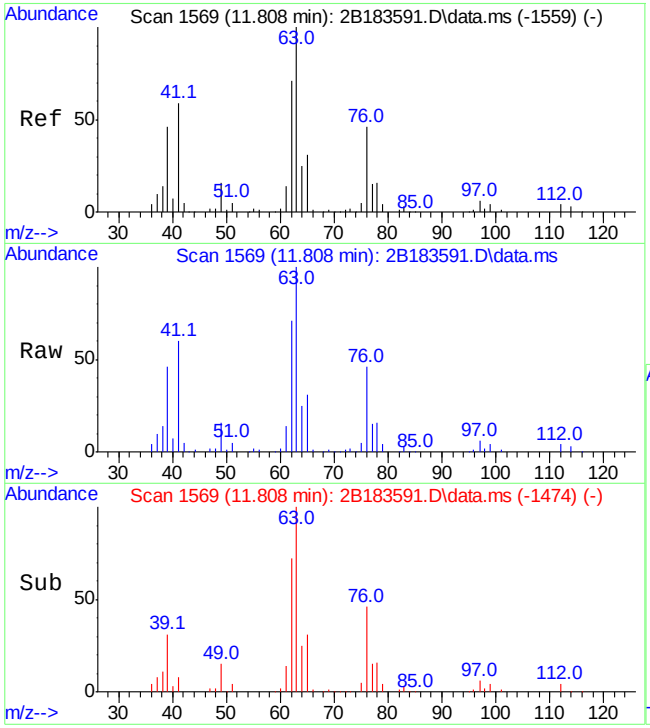


#64
methyl methacrylate
Concen: 55.92 ug/L
RT: 11.860 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:100 Resp: 34819

Ion	Ratio	Lower	Upper
100	100		
41	522.5	492.5	552.5
69	344.6	314.6	374.6
39	315.7	285.7	345.7

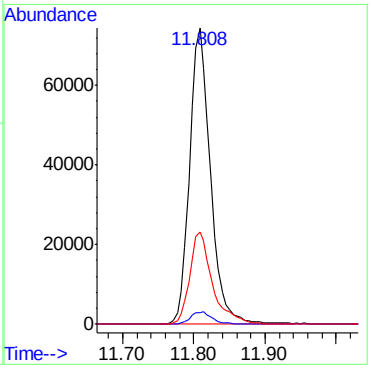


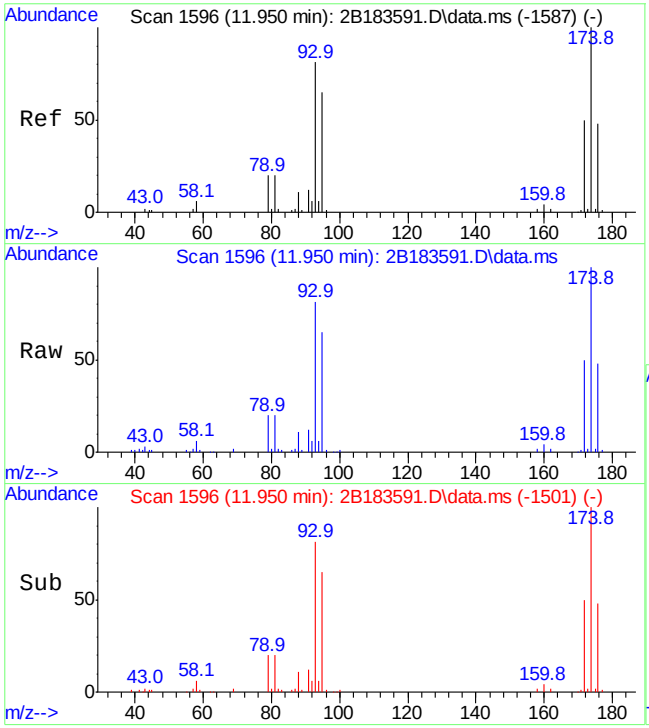


#65
1,2-dichloropropane
Concen: 55.87 ug/L
RT: 11.808 min Scan# 1569
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 63 Resp: 151247

Ion	Ratio	Lower	Upper
63	100		
112	3.9	0.0	33.9
65	31.3	1.3	61.3

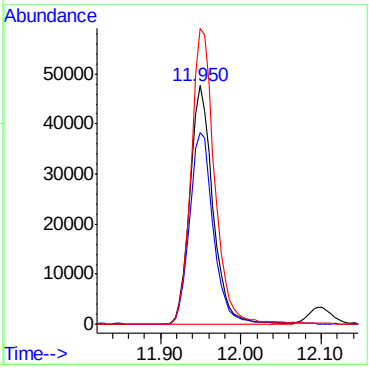


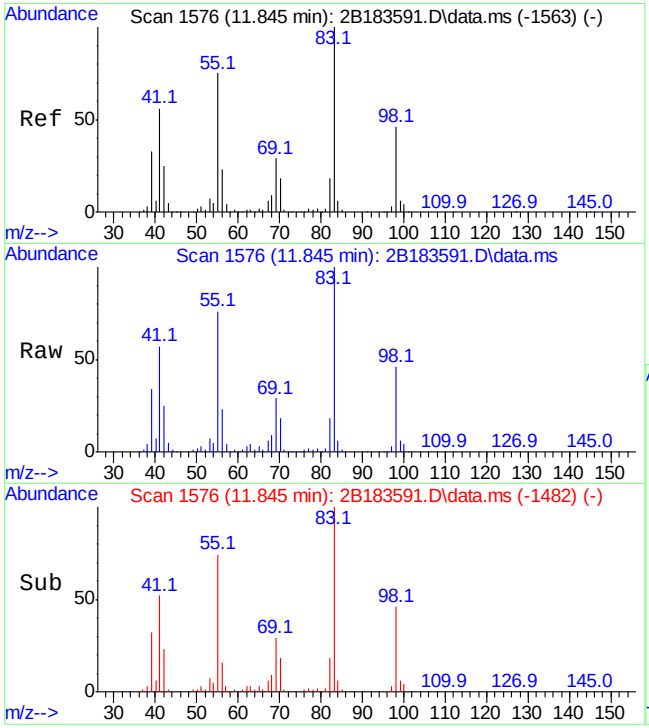


#66
dibromomethane
Concen: 52.87 ug/L
RT: 11.950 min Scan# 1596
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 93 Resp: 95575

Ion	Ratio	Lower	Upper
93	100		
95	80.5	50.5	110.5
174	124.1	94.1	154.1

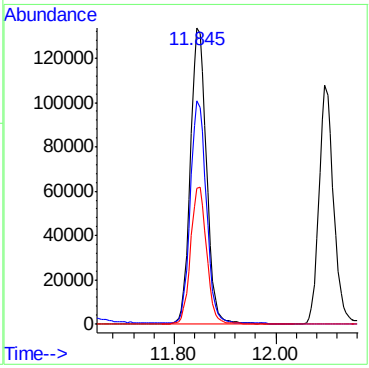


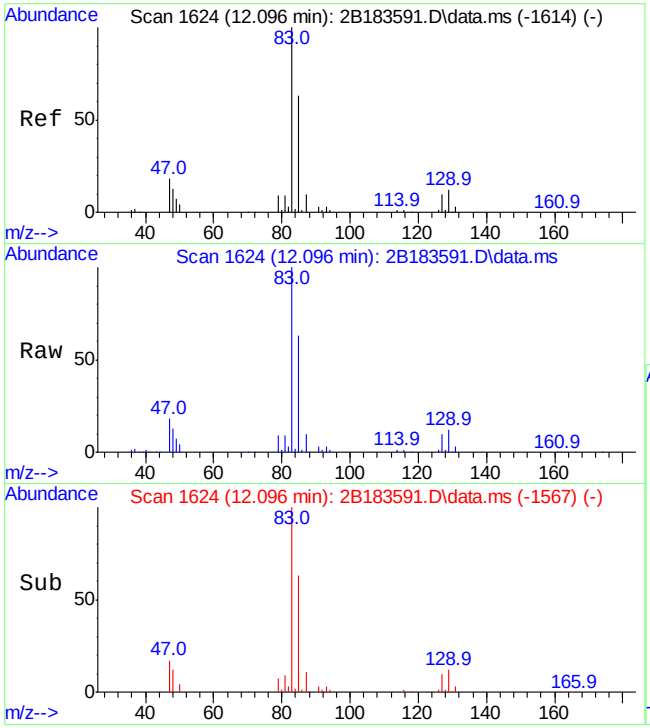


#67
methylcyclohexane
Concen: 57.83 ug/L
RT: 11.845 min Scan# 1576
Delta R.T. -0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 83 Resp: 292939

Ion	Ratio	Lower	Upper
83	100		
55	75.5	45.5	105.5
98	45.7	15.7	75.7

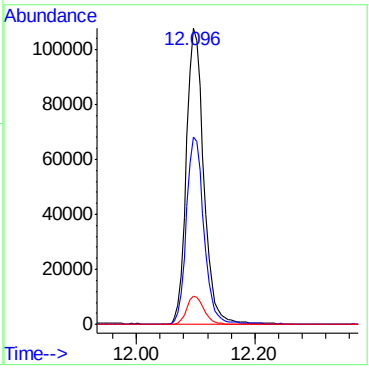


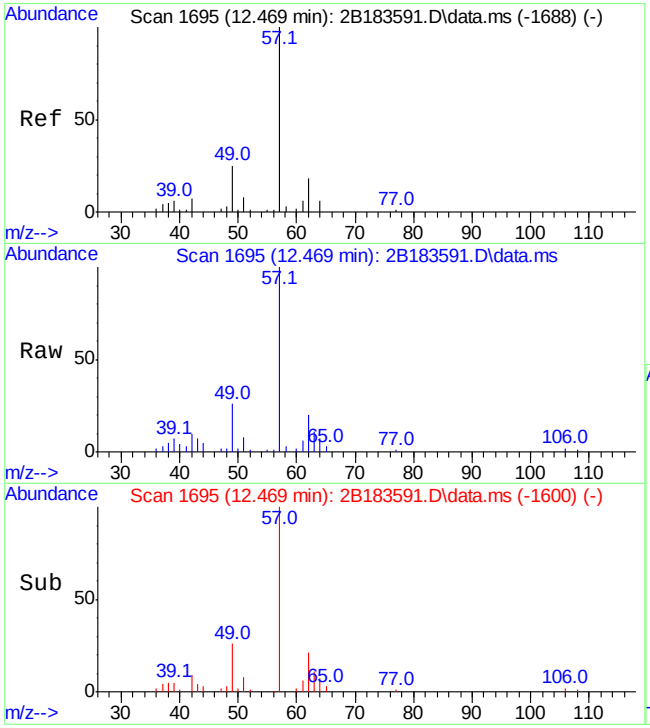


#68
bromodichloromethane
Concen: 56.85 ug/L
RT: 12.096 min Scan# 1624
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 83 Resp: 218534

Ion	Ratio	Lower	Upper
83	100		
85	63.2	33.2	93.2
127	9.5	0.0	39.5

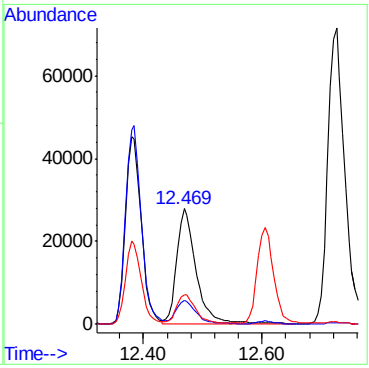


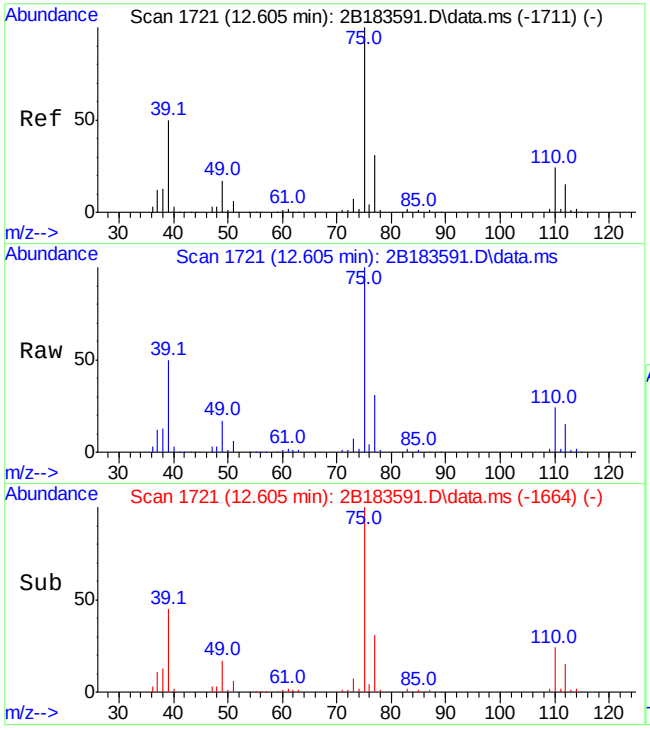


#69
epichlorohydrin
Concen: 265.71 ug/L
RT: 12.469 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 57 Resp: 63961

Ion	Ratio	Lower	Upper
57	100		
62	20.4	0.4	40.4
49	24.3	4.3	44.3

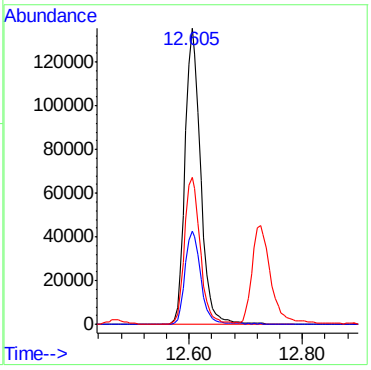


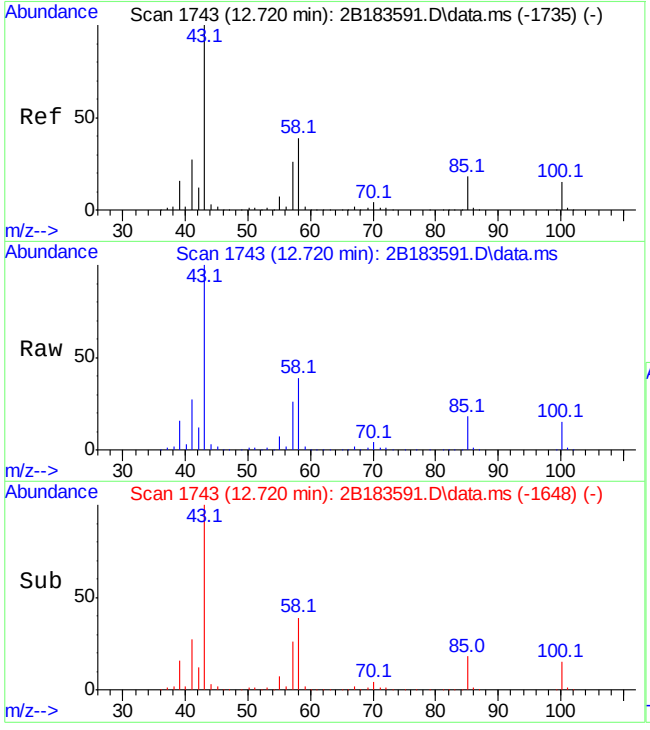


#70
cis-1,3-dichloropropene
Concen: 56.64 ug/L
RT: 12.605 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 75 Resp: 258329

Ion	Ratio	Lower	Upper
75	100		
77	31.4	1.4	61.4
39	49.8	19.8	79.8

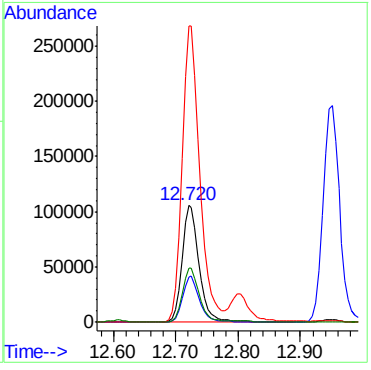


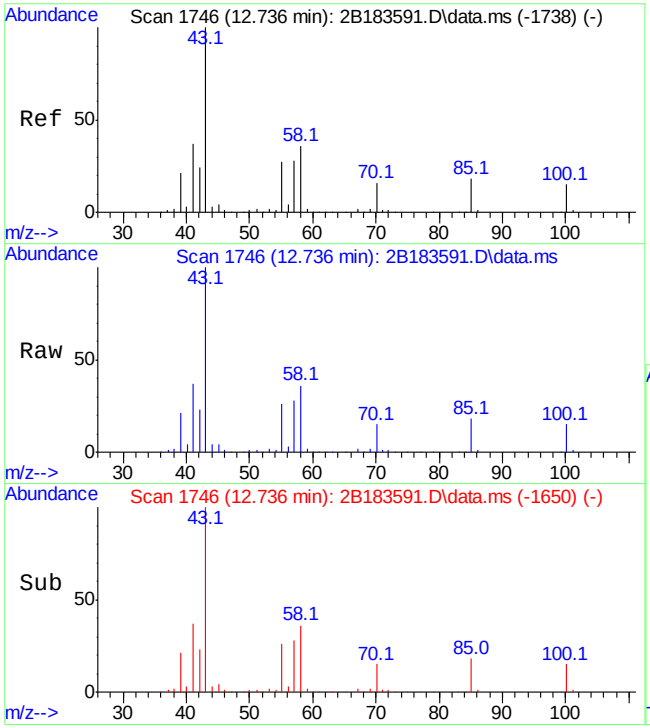


#71
4-methyl-2-pentanone
Concen: 220.83 ug/L
RT: 12.720 min Scan# 1743
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 58 Resp: 204486

Ion	Ratio	Lower	Upper
58	100		
100	38.6	8.6	68.6
43	253.3	223.3	283.3
85	46.6	16.6	76.6

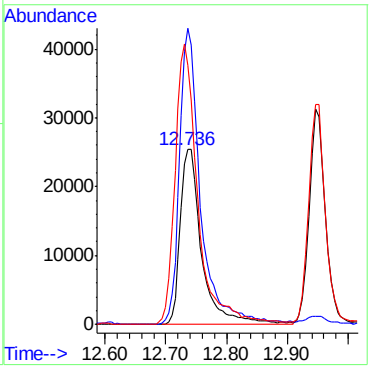


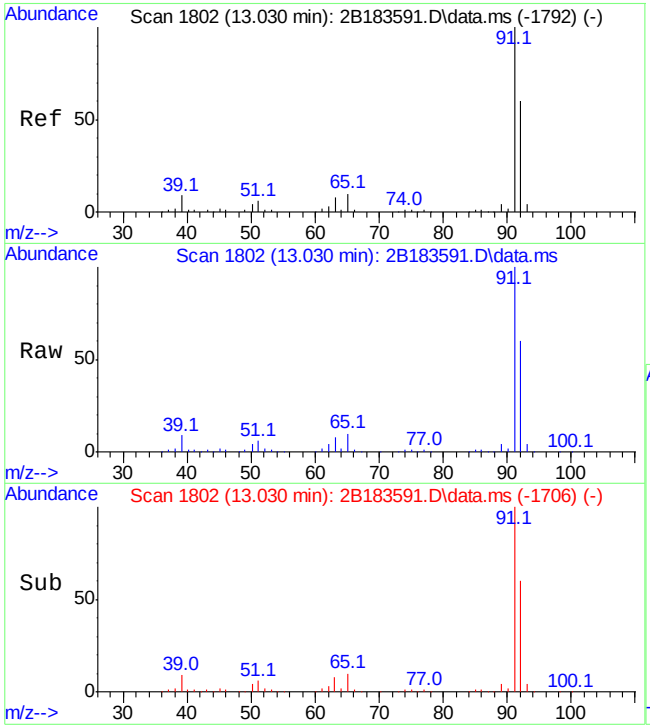


#72
3-methyl-1-butanol
Concen: 1126.30 ug/L
RT: 12.736 min Scan# 1746
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 70 Resp: 61950

Ion	Ratio	Lower	Upper
70	100		
55	168.6	138.6	198.6
42	147.3	117.3	177.3

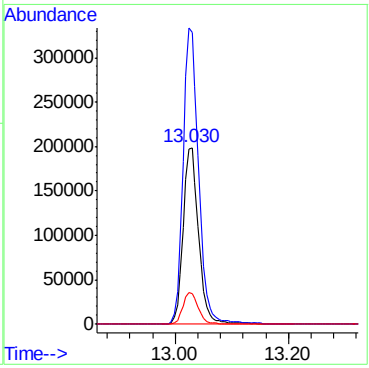


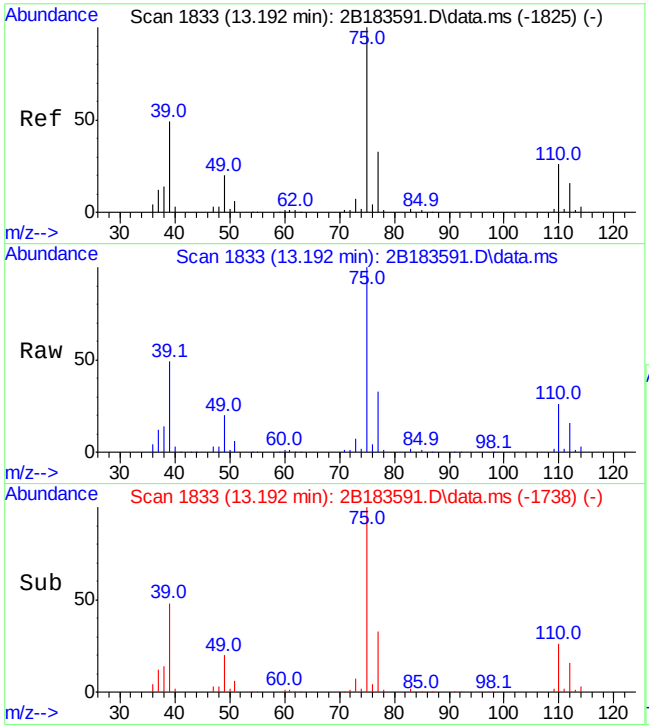


#75
toluene
Concen: 56.38 ug/L
RT: 13.030 min Scan# 1802
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 92 Resp: 375532

Ion	Ratio	Lower	Upper
92	100		
91	165.5	145.5	185.5
65	17.3	0.0	37.3

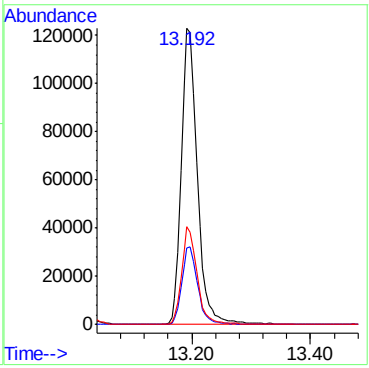


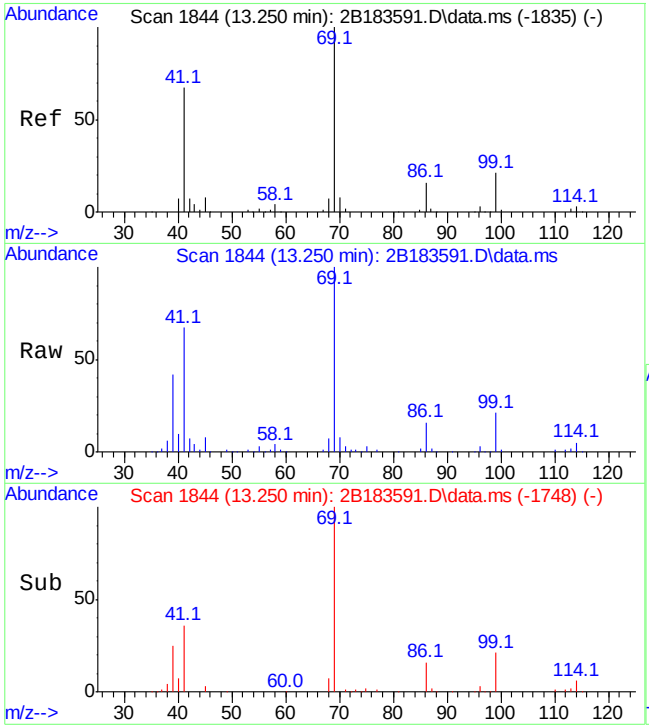


#76
trans-1,3-dichloropropene
Concen: 57.69 ug/L
RT: 13.192 min Scan# 1833
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 75 Resp: 229797

Ion	Ratio	Lower	Upper
75	100		
110	25.6	5.6	45.6
77	32.9	12.9	52.9

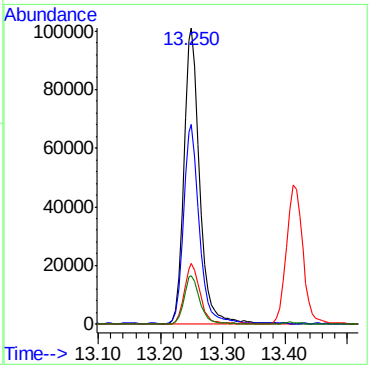


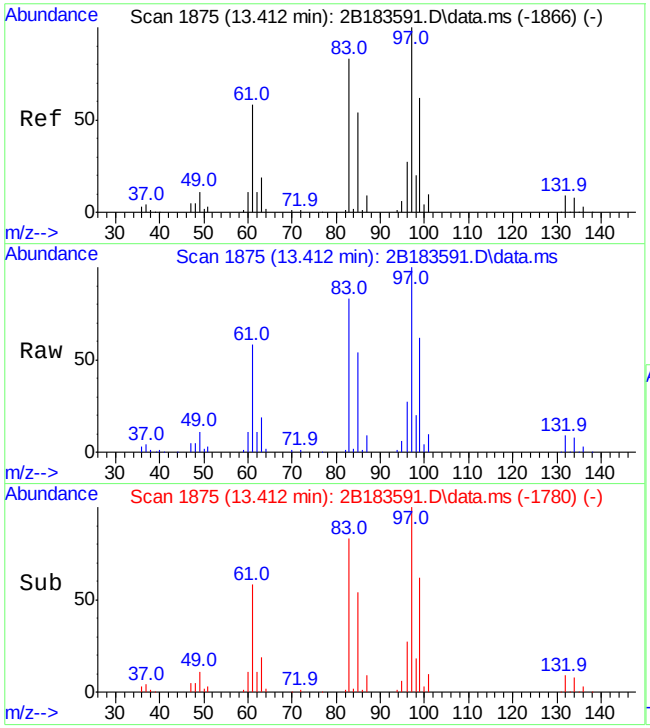


#77
ethyl methacrylate
Concen: 56.51 ug/L
RT: 13.250 min Scan# 1844
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 69 Resp: 182285

Ion	Ratio	Lower	Upper
69	100		
41	67.3	47.3	87.3
99	20.7	0.7	40.7
86	16.3	0.0	36.3

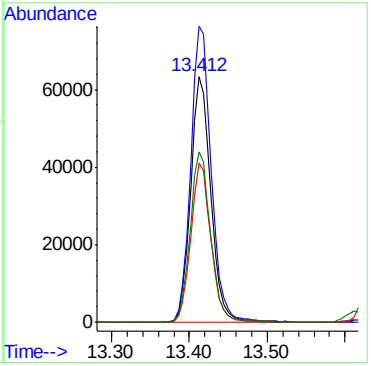


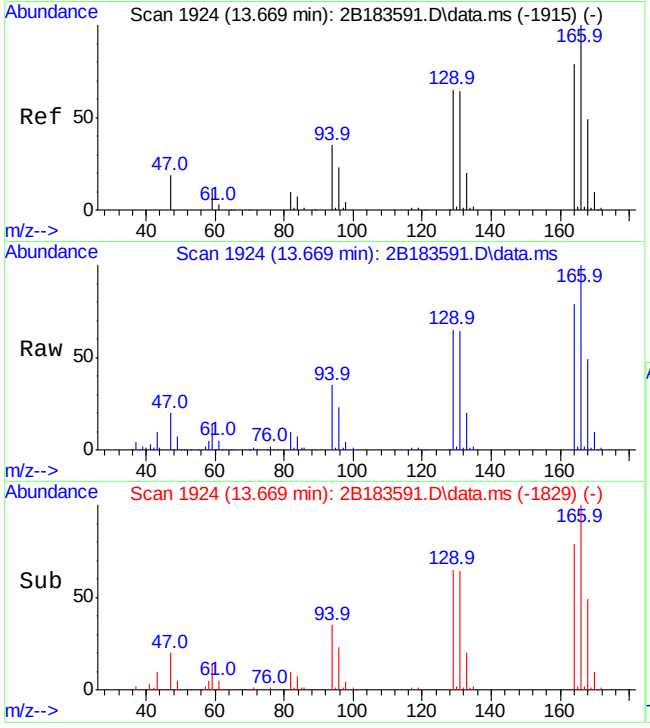


#78
1,1,2-trichloroethane
Concen: 55.02 ug/L
RT: 13.412 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 83 Resp: 113493

Ion	Ratio	Lower	Upper
83	100		
97	120.4	100.4	140.4
85	64.7	44.7	84.7
61	69.5	49.5	89.5

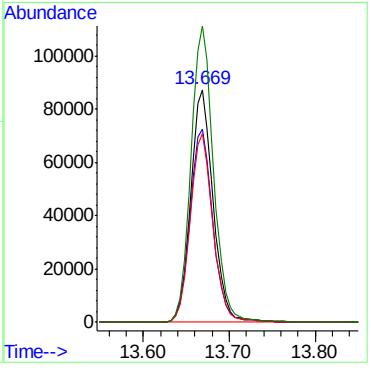


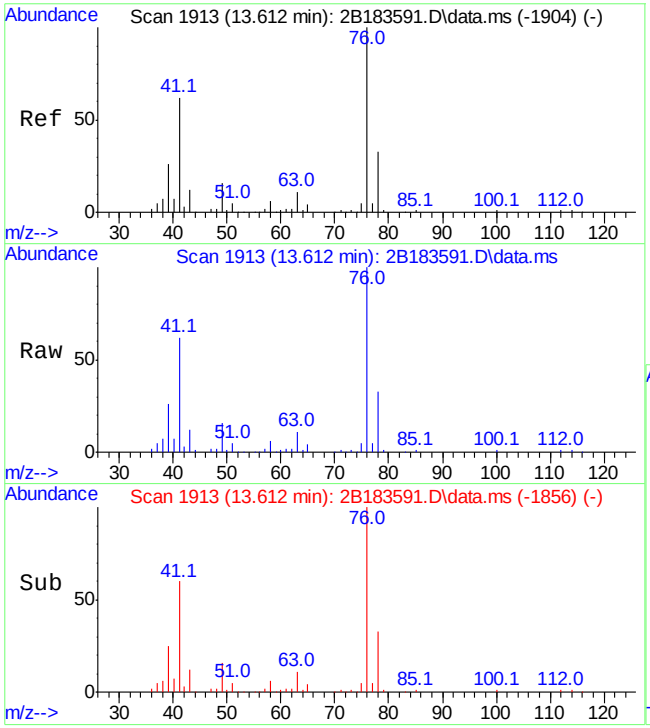


#79
tetrachloroethene
Concen: 53.89 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:164 Resp: 156124

Ion	Ratio	Lower	Upper
164	100		
129	82.8	52.8	112.8
131	81.2	51.2	111.2
166	127.3	97.3	157.3

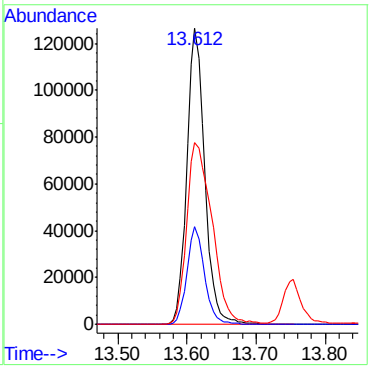


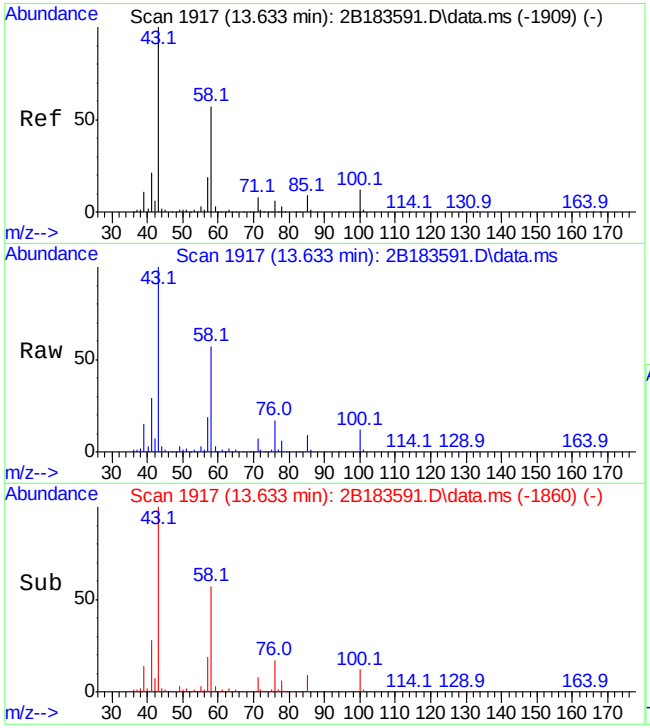


#80
1,3-dichloropropane
Concen: 54.12 ug/L
RT: 13.612 min Scan# 1913
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 76 Resp: 226514

Ion	Ratio	Lower	Upper
76	100		
78	32.9	2.9	62.9
41	61.5	31.5	91.5

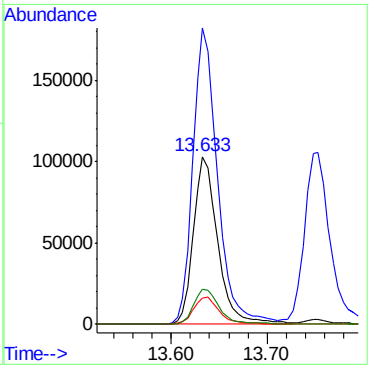


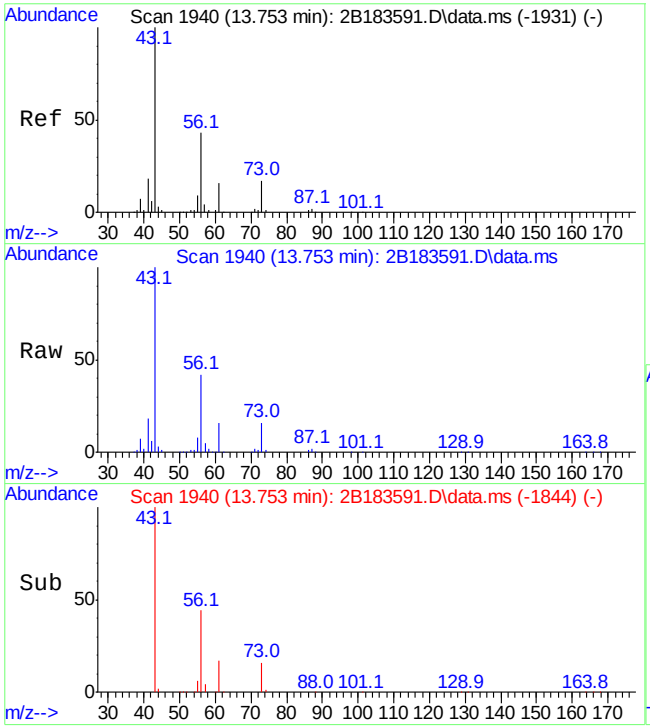


#81
2-hexanone
Concen: 223.92 ug/L
RT: 13.633 min Scan# 1917
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 58 Resp: 180856

Ion	Ratio	Lower	Upper
58	100		
43	176.8	156.8	196.8
85	15.7	0.0	35.7
100	20.5	0.5	40.5

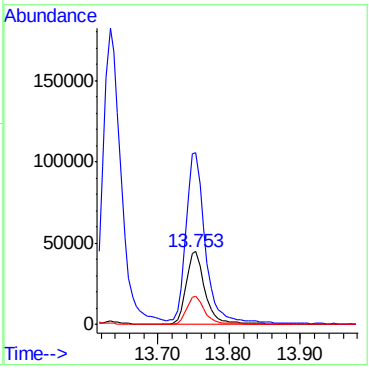


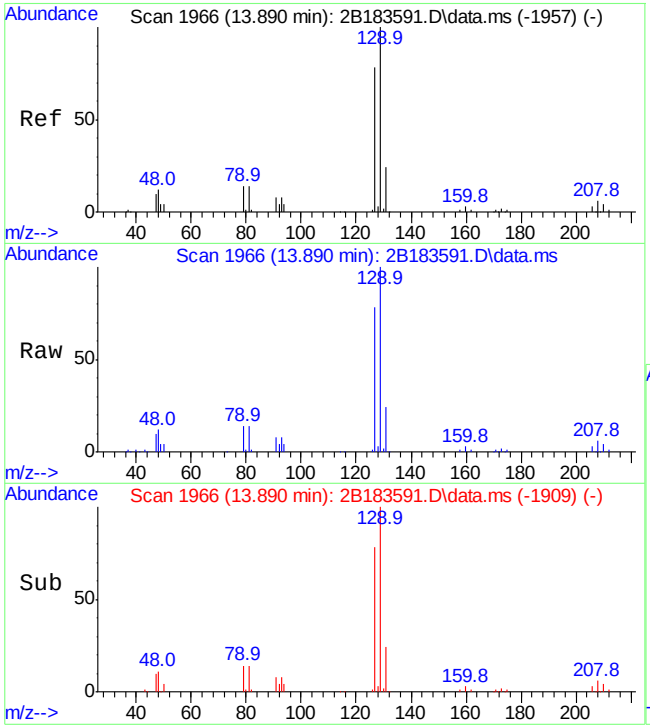


#82
butyl acetate
Concen: 53.77 ug/L
RT: 13.753 min Scan# 1940
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 56 Resp: 82878

Ion	Ratio	Lower	Upper
56	100		
43	235.4	205.4	265.4
73	38.9	8.9	68.9

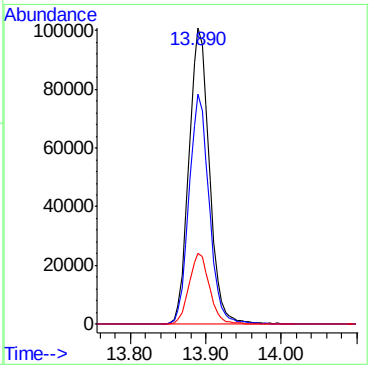


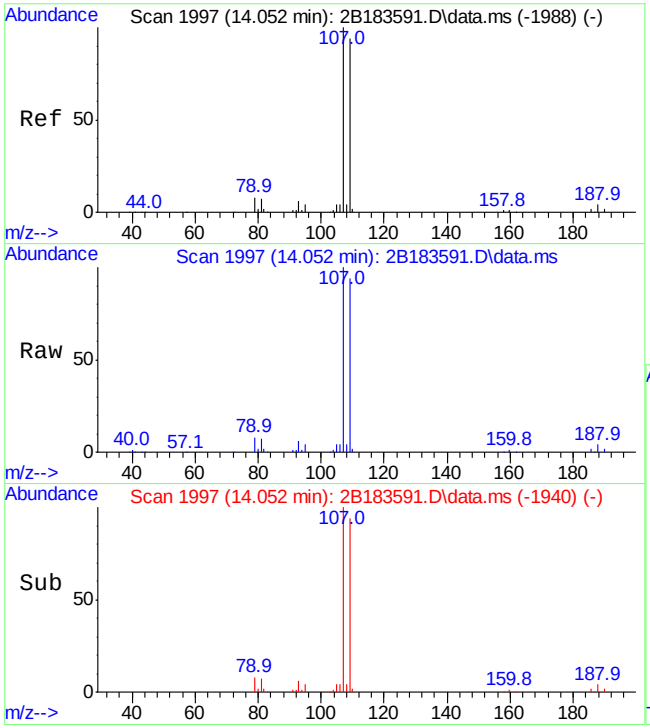


#83
dibromochloromethane
Concen: 55.93 ug/L
RT: 13.890 min Scan# 1966
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:129 Resp: 188607

Ion	Ratio	Lower	Upper
129	100		
127	77.6	47.6	107.6
131	24.0	0.0	54.0

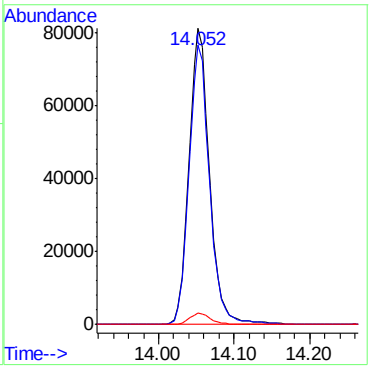


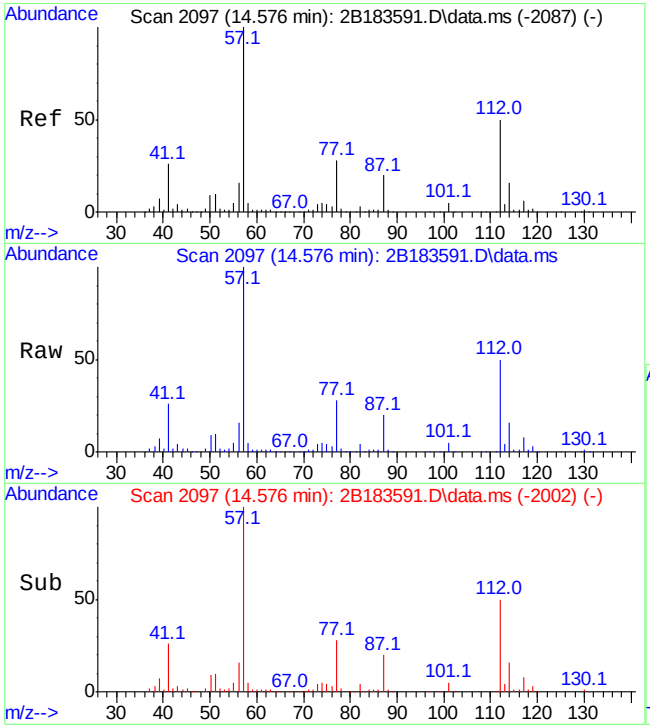


#84
1,2-dibromoethane
Concen: 55.64 ug/L
RT: 14.052 min Scan# 1997
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:107 Resp: 151784

Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.2	124.2
188	3.9	0.0	33.9

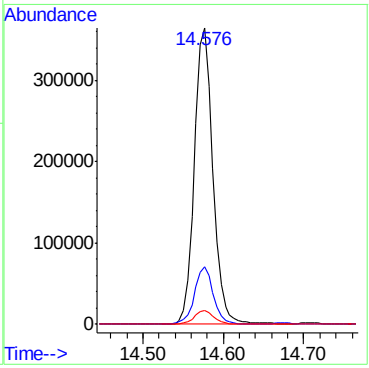


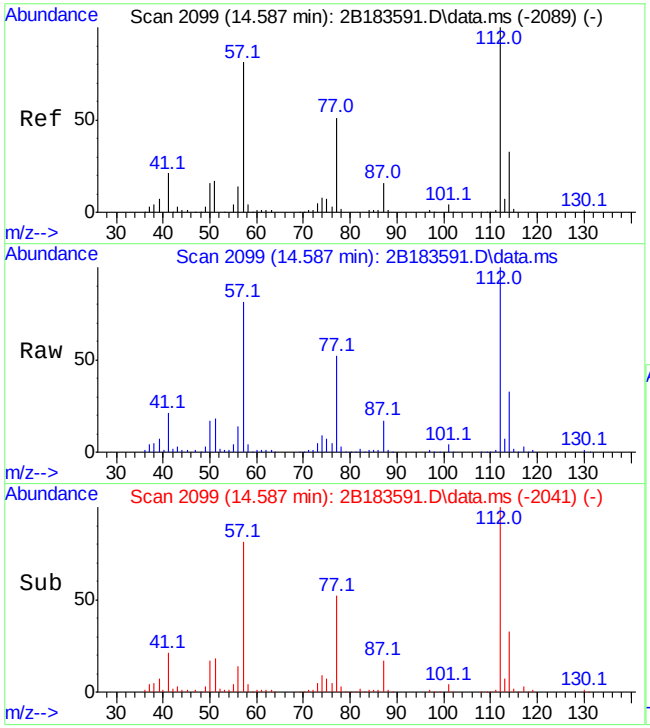


#85
n-butyl ether
Concen: 56.71 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 57 Resp: 584394

Ion	Ratio	Lower	Upper
57	100		
87	19.5	0.0	49.5
101	4.7	0.0	34.7

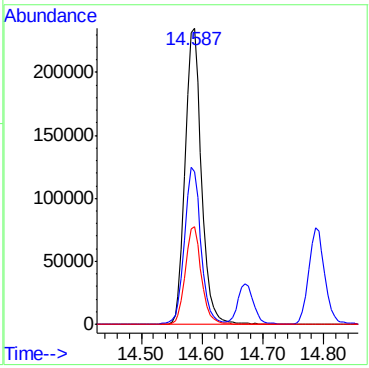


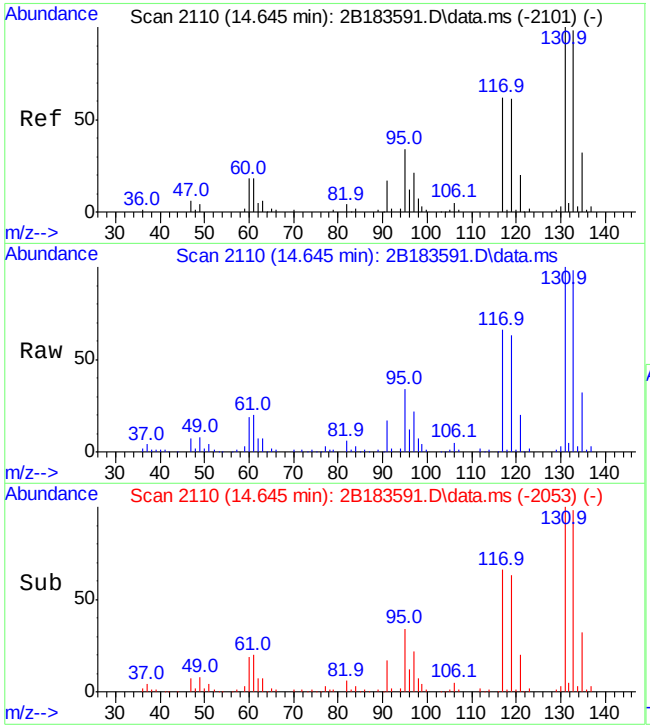


#86
chlorobenzene
Concen: 55.09 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:112 Resp: 436212

Ion	Ratio	Lower	Upper
112	100		
77	51.5	21.5	81.5
114	32.8	2.8	62.8

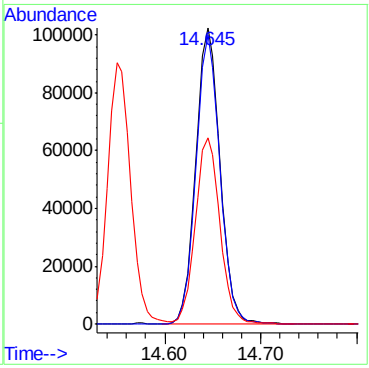


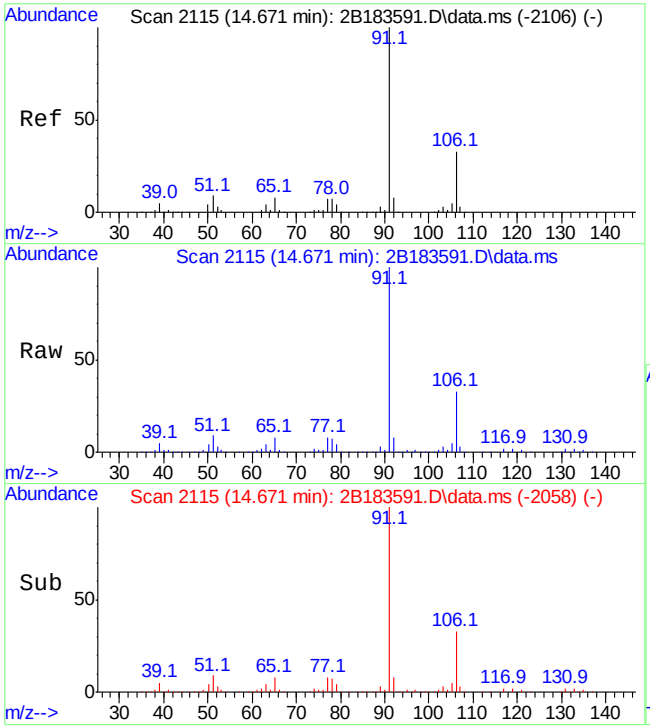


#87
1,1,1,2-tetrachloroethane
Concen: 54.30 ug/L
RT: 14.645 min Scan# 2110
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:131 Resp: 179311

Ion	Ratio	Lower	Upper
131	100		
133	97.8	67.8	127.8
119	62.9	32.9	92.9

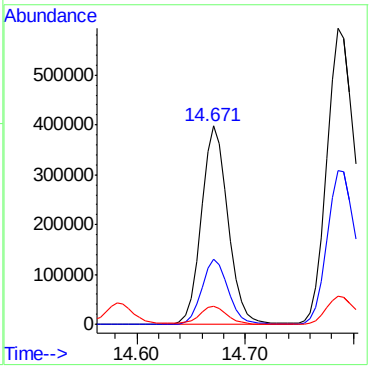


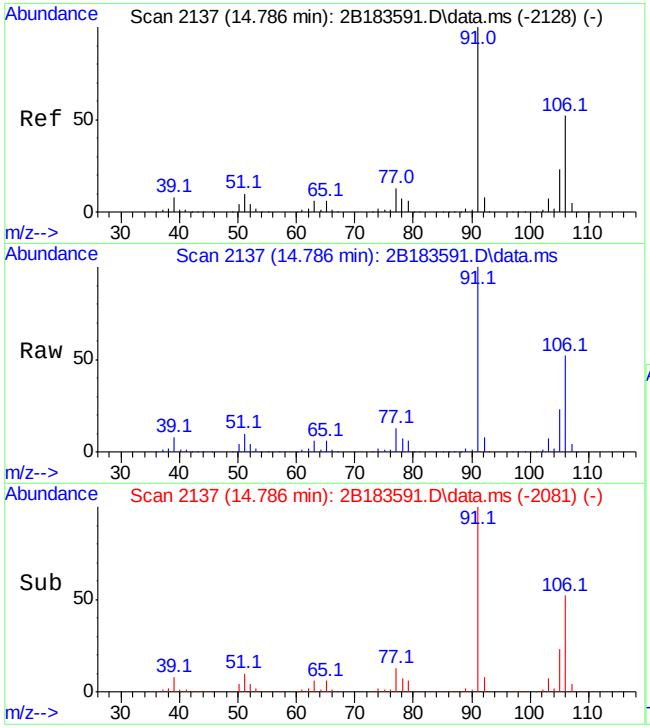


#88
ethylbenzene
Concen: 53.59 ug/L
RT: 14.671 min Scan# 2115
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 91 Resp: 684857

Ion	Ratio	Lower	Upper
91	100		
106	33.0	3.0	63.0
51	9.2	0.0	39.2

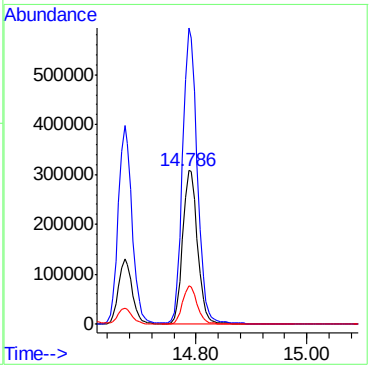


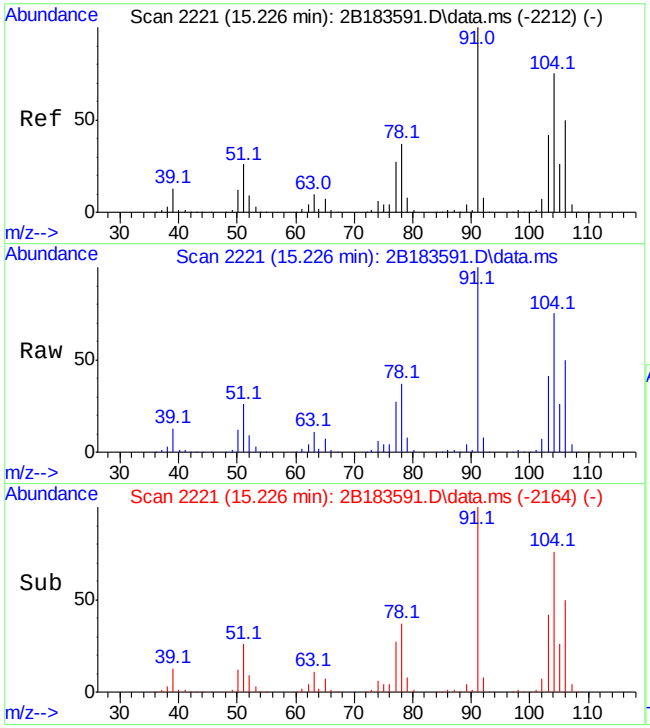


#89
m,p-xylene
Concen: 110.60 ug/L
RT: 14.786 min Scan# 2137
Delta R.T. -0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:106 Resp: 570950

Ion	Ratio	Lower	Upper
106	100		
91	192.7	162.7	222.7
77	25.0	5.0	45.0

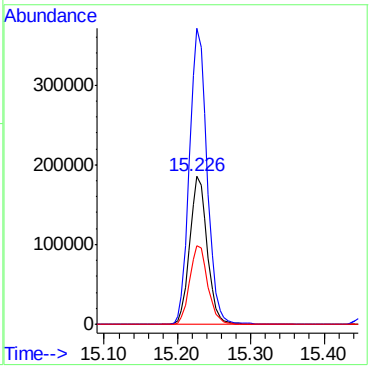


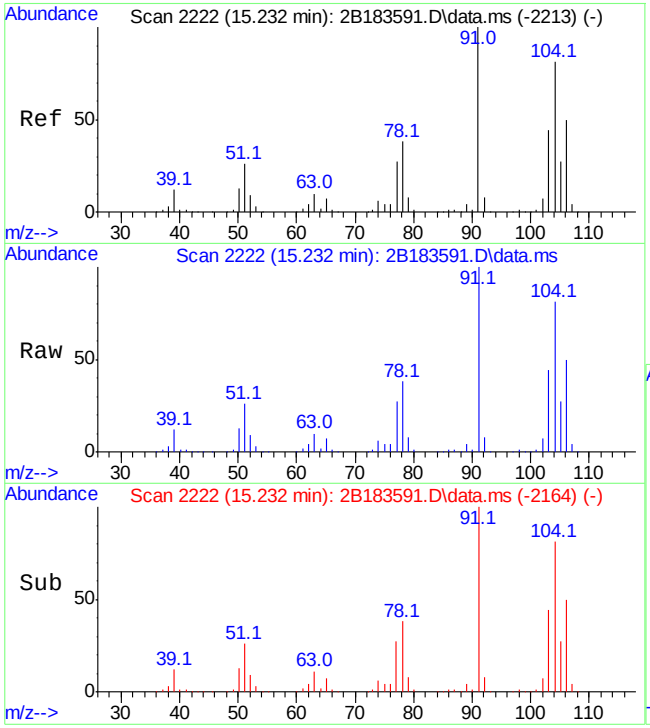


#90
o-xylene
Concen: 55.78 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:106 Resp: 306780

Ion	Ratio	Lower	Upper
106	100		
91	199.5	169.5	229.5
77	53.1	33.1	73.1

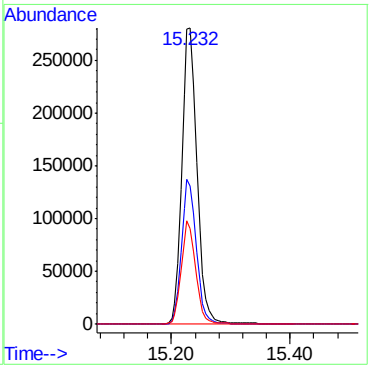


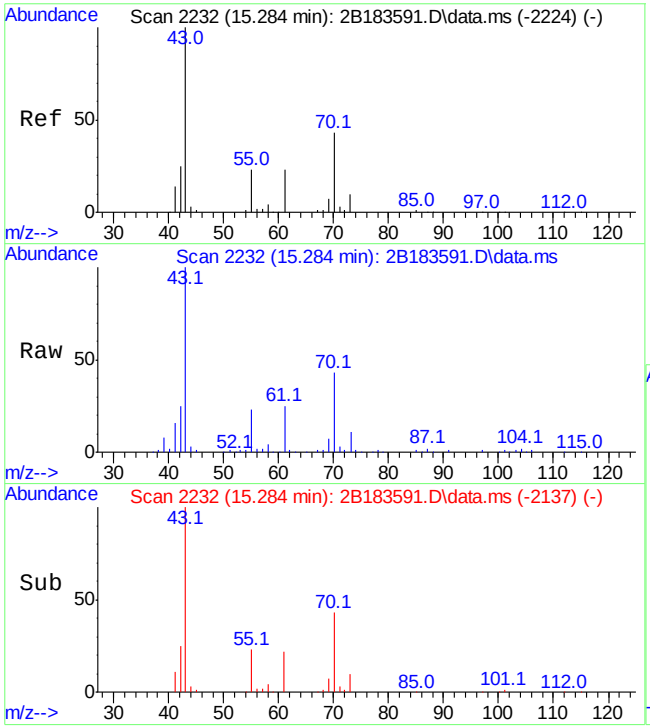


#91
styrene
Concen: 56.41 ug/L
RT: 15.232 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:104 Resp: 495702

Ion	Ratio	Lower	Upper
104	100		
78	46.8	16.8	76.8
51	32.1	2.1	62.1

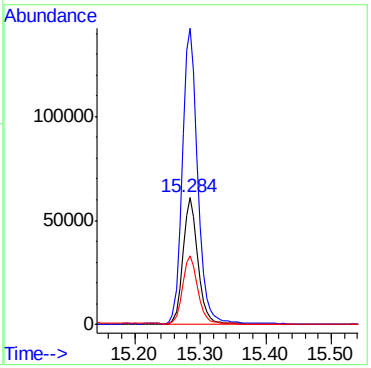


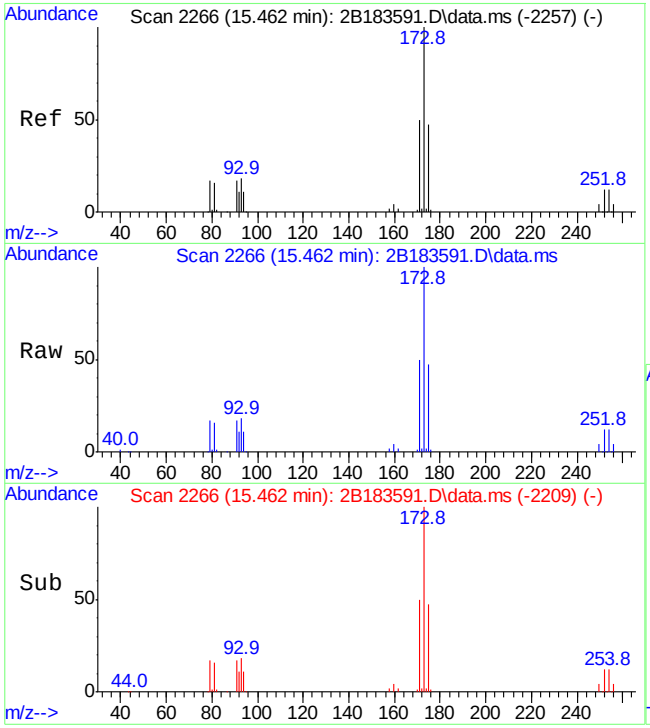


#92
n-amyl acetate
Concen: 54.55 ug/L
RT: 15.284 min Scan# 2232
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 70 Resp: 98816

Ion	Ratio	Lower	Upper
70	100		
43	232.3	202.3	262.3
55	53.6	23.6	83.6

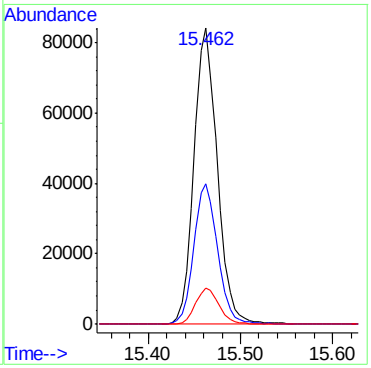


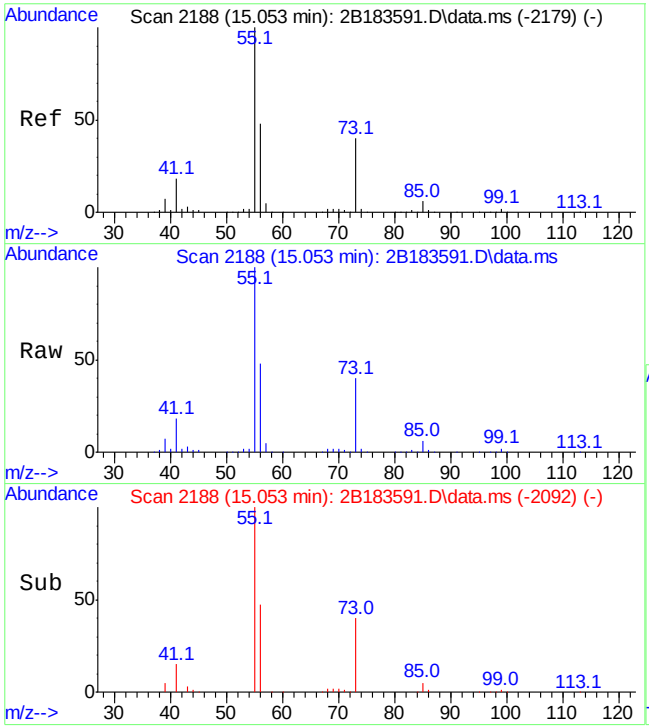


#93
bromoform
Concen: 55.67 ug/L
RT: 15.462 min Scan# 2266
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:173 Resp: 147742

Ion	Ratio	Lower	Upper
173	100		
175	47.3	17.3	77.3
254	12.0	0.0	42.0

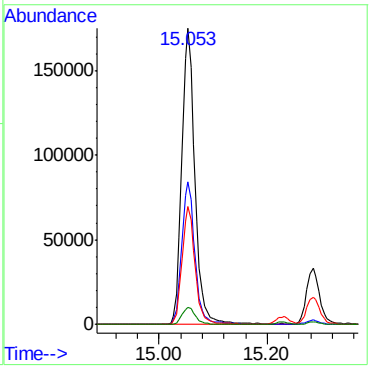


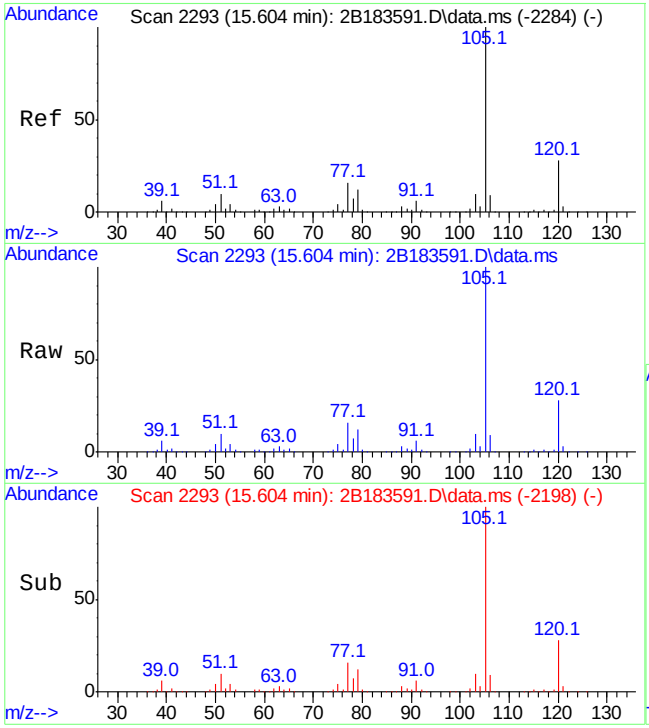


#94
butyl acrylate
Concen: 57.70 ug/L
RT: 15.053 min Scan# 2188
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 55 Resp: 292571

Ion	Ratio	Lower	Upper
55	100		
56	48.2	18.2	78.2
73	40.0	10.0	70.0
85	5.9	0.0	35.9

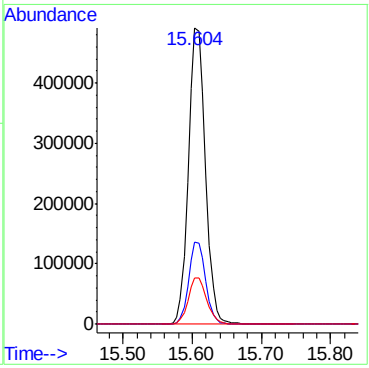


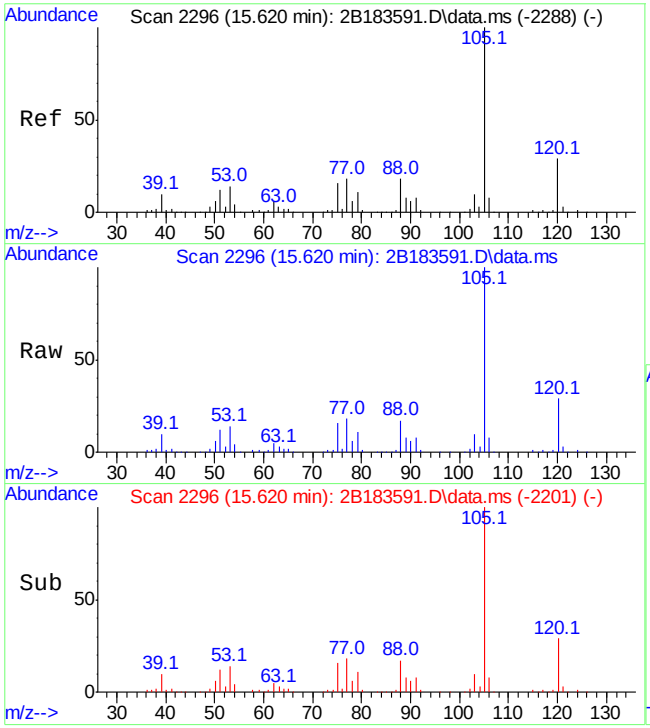


#95
isopropylbenzene
Concen: 55.45 ug/L
RT: 15.604 min Scan# 2293
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:105 Resp: 831723

Ion	Ratio	Lower	Upper
105	100		
120	27.6	7.6	47.6
77	15.7	0.0	35.7

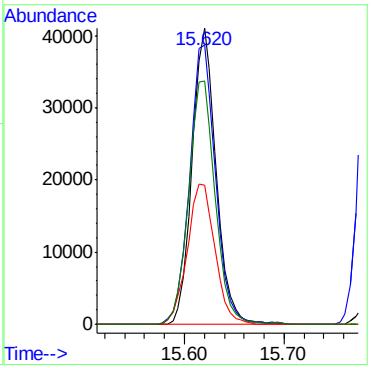


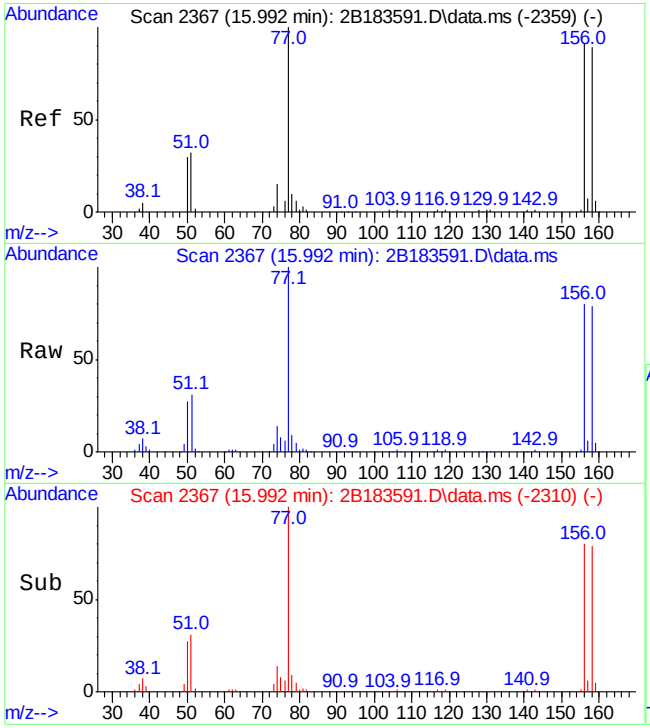


#96
cis-1,4-dichloro-2-butene
Concen: 54.17 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 88 Resp: 68517

Ion	Ratio	Lower	Upper
88	100		
75	94.3	74.3	114.3
89	46.9	26.9	66.9
53	82.3	62.3	102.3

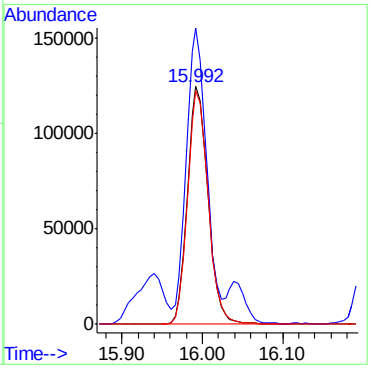


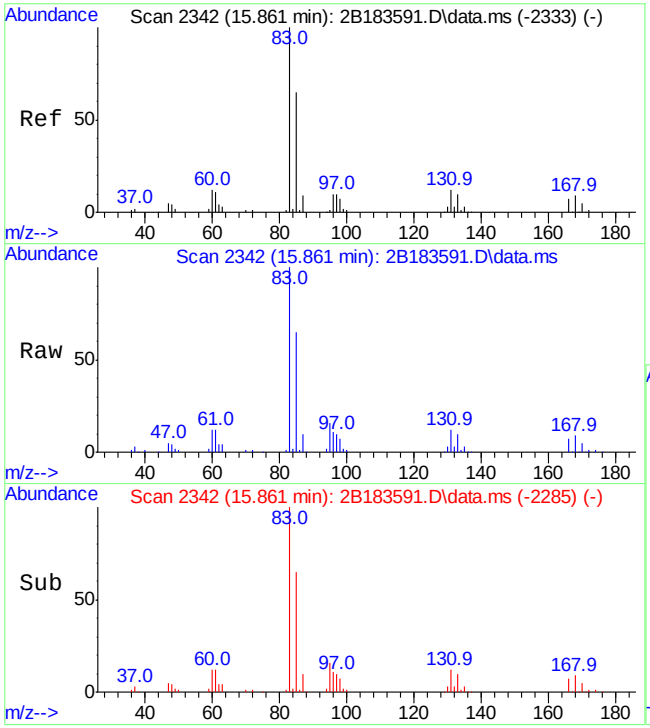


#99
bromobenzene
Concen: 56.28 ug/L
RT: 15.992 min Scan# 2367
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:156 Resp: 222471

Ion	Ratio	Lower	Upper
156	100		
77	124.4	94.4	154.4
158	98.2	68.2	128.2

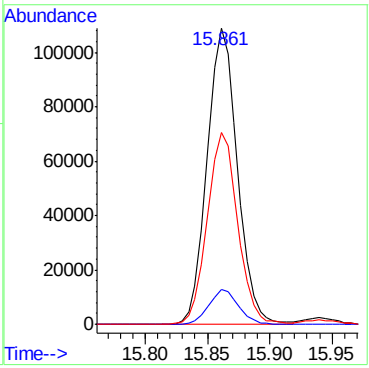


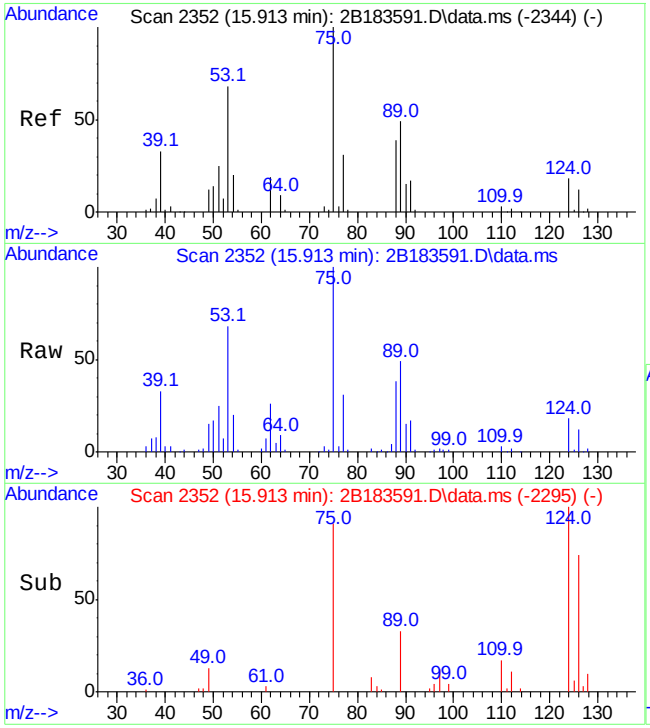


#100
1,1,2,2-tetrachloroethane
Concen: 56.57 ug/L
RT: 15.861 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 83 Resp: 184113

Ion	Ratio	Lower	Upper
83	100		
131	11.6	0.0	41.6
85	64.8	34.8	94.8

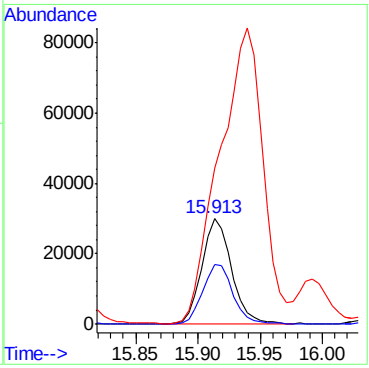


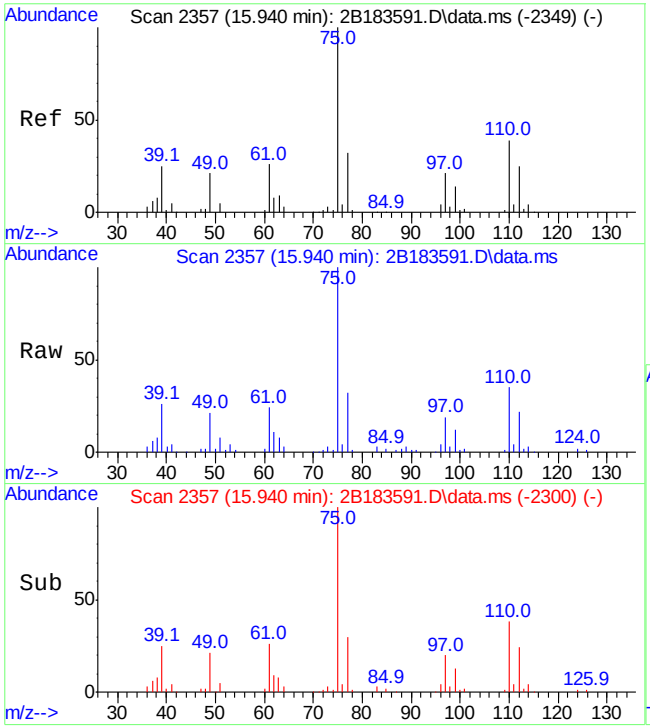


#101
trans-1,4-dichloro-2-butene
Concen: 58.38 ug/L
RT: 15.913 min Scan# 2352
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 53 Resp: 49310

Ion	Ratio	Lower	Upper
53	100		
88	56.5	26.5	86.5
75	146.8	116.8	176.8

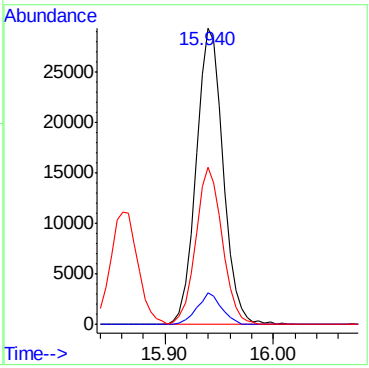


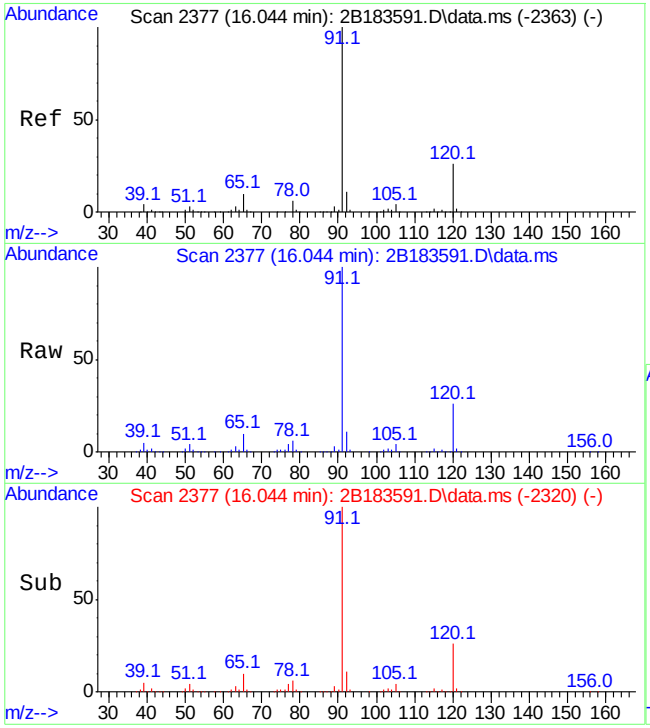


#102
1,2,3-trichloropropane
Concen: 53.95 ug/L
RT: 15.940 min Scan# 2357
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:110 Resp: 50921

Ion	Ratio	Lower	Upper
110	100		
111	10.7	0.0	40.7
97	53.2	23.2	83.2

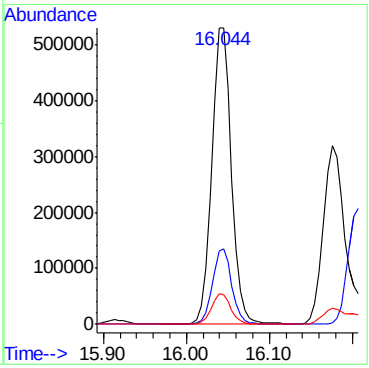


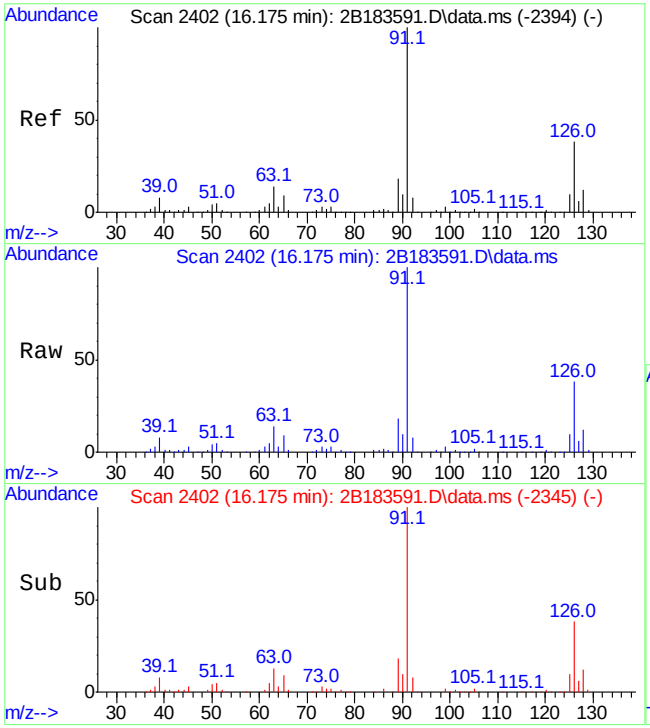


#103
n-propylbenzene
Concen: 57.41 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 91 Resp: 868889

Ion	Ratio	Lower	Upper
91	100		
120	25.5	0.0	55.5
65	9.9	0.0	39.9

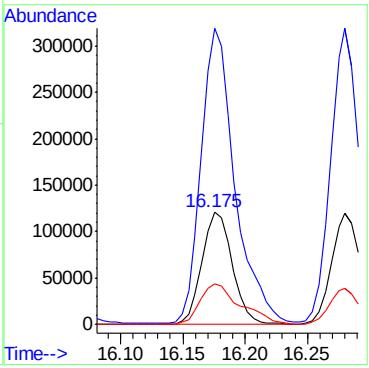


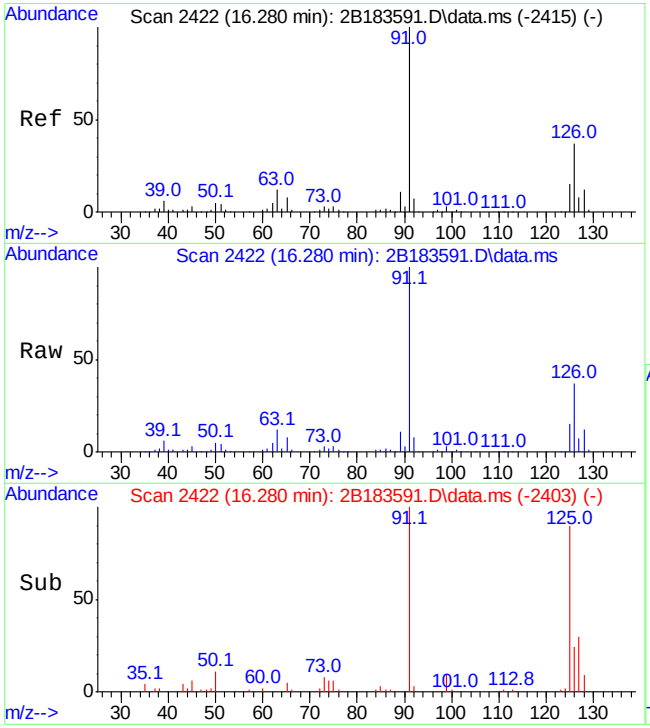


#104
2-chlorotoluene
Concen: 57.04 ug/L
RT: 16.175 min Scan# 2402
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:126 Resp: 203448

Ion	Ratio	Lower	Upper
126	100		
91	263.1	233.1	293.1
63	36.5	6.5	66.5

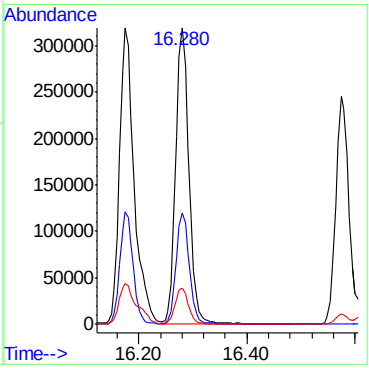


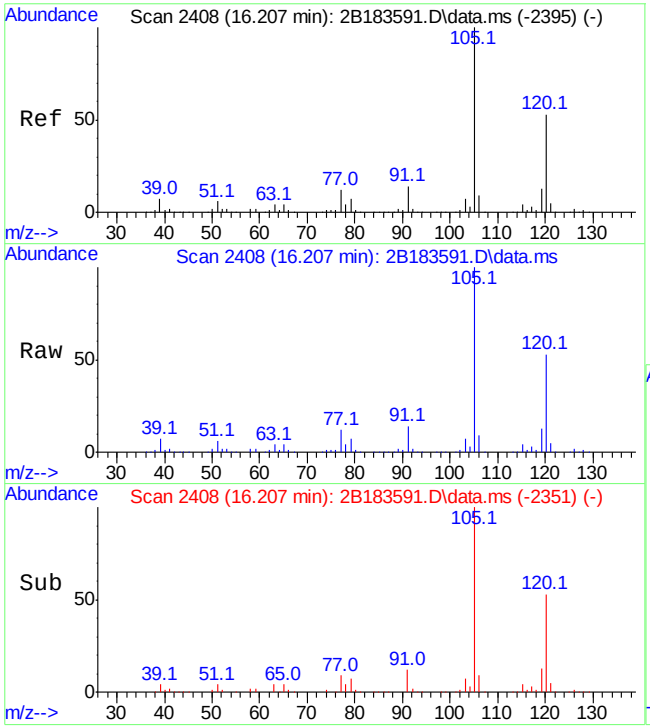


#105
4-chlorotoluene
Concen: 55.71 ug/L
RT: 16.280 min Scan# 2422
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 91 Resp: 532311

Ion	Ratio	Lower	Upper
91	100		
126	37.4	7.4	67.4
63	12.1	0.0	42.1

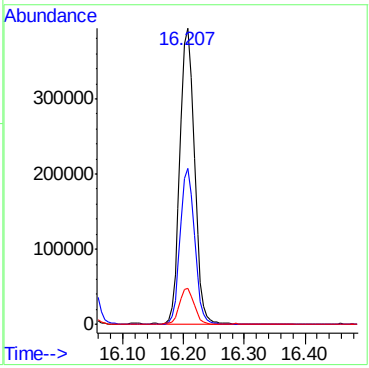


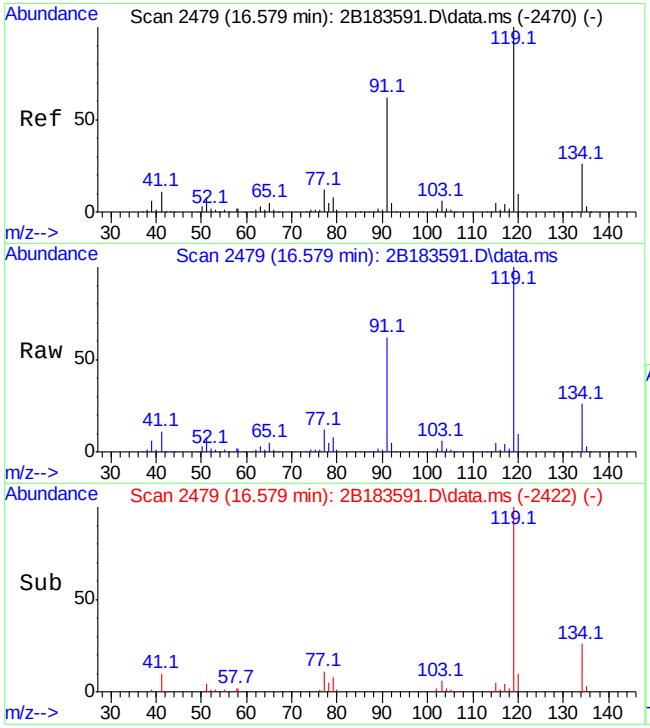


#106
1,3,5-trimethylbenzene
Concen: 56.99 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:105 Resp: 652207

Ion	Ratio	Lower	Upper
105	100		
120	52.7	22.7	82.7
77	12.1	0.0	42.1

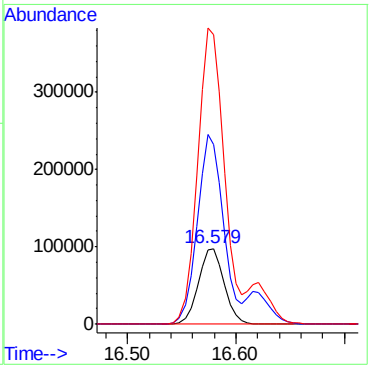


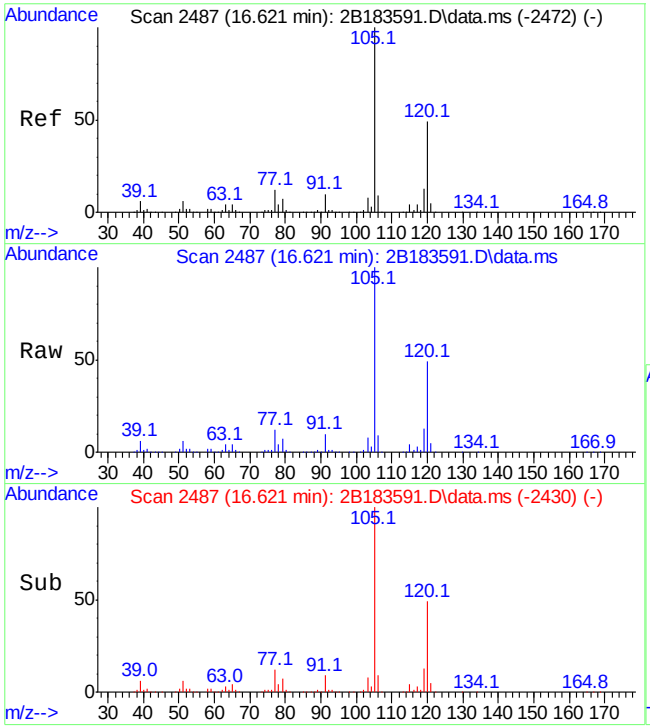


#107
tert-butylbenzene
Concen: 59.61 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:134 Resp: 162162

Ion	Ratio	Lower	Upper
134	100		
91	238.1	208.1	268.1
119	383.9	353.9	413.9

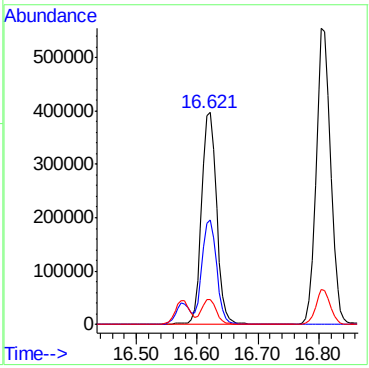


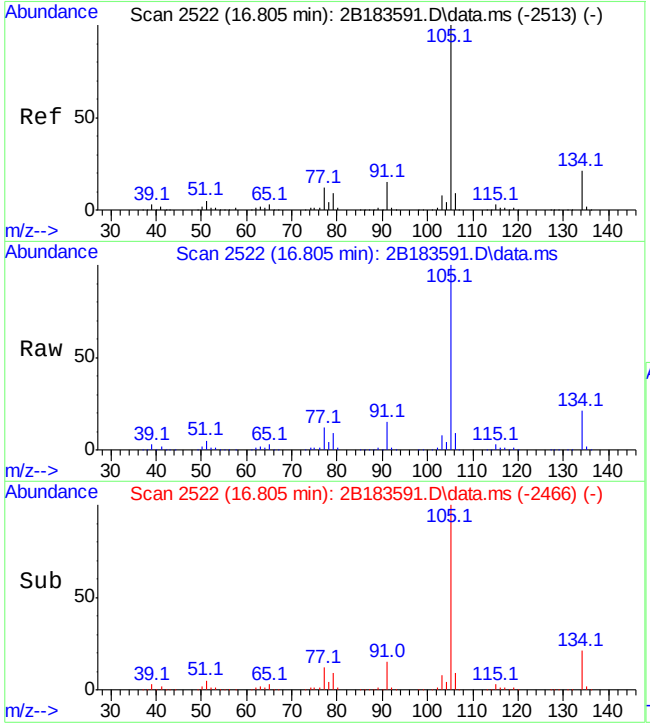


#108
1,2,4-trimethylbenzene
Concen: 57.24 ug/L
RT: 16.621 min Scan# 2487
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:105 Resp: 681672

Ion	Ratio	Lower	Upper
105	100		
120	49.5	19.5	79.5
77	11.6	0.0	41.6

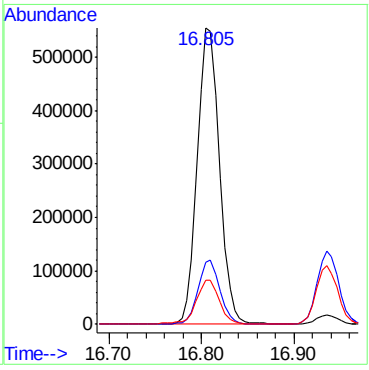


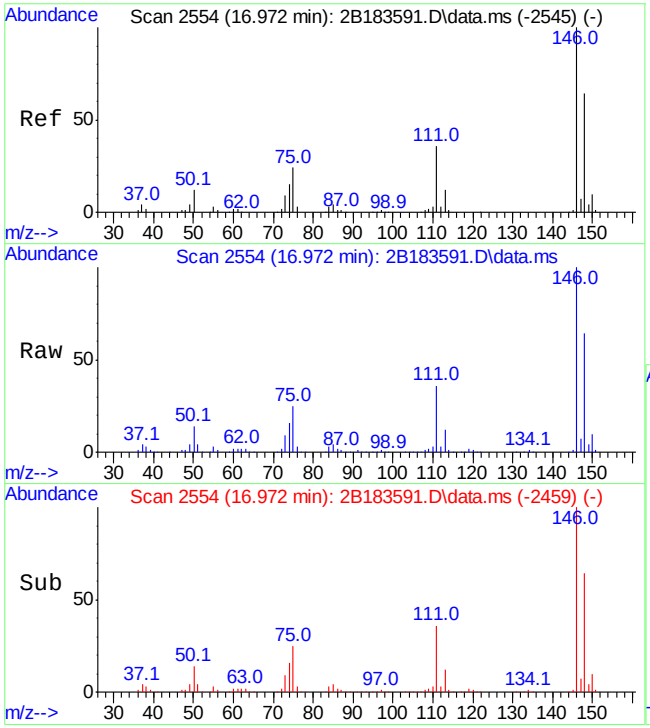


#109
sec-butylbenzene
Concen: 58.59 ug/L
RT: 16.805 min Scan# 2522
Delta R.T. -0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:105 Resp: 927803

Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	50.9
91	14.9	0.0	44.9

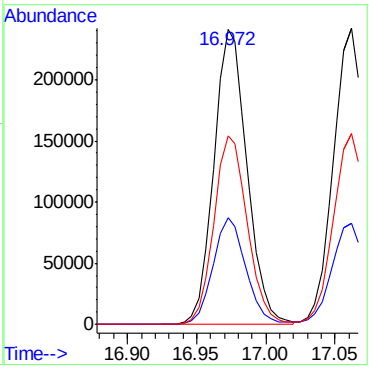


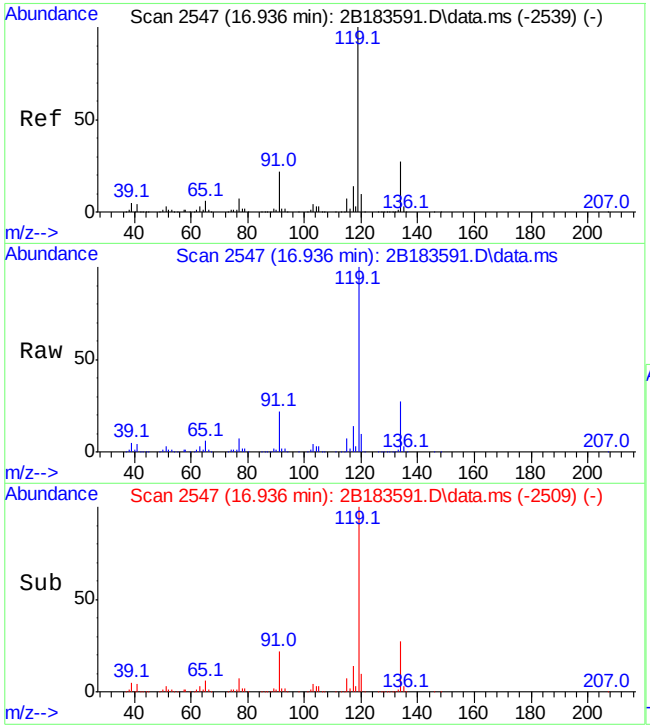


#110
1,3-dichlorobenzene
Concen: 54.41 ug/L
RT: 16.972 min Scan# 2554
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:146 Resp: 404892

Ion	Ratio	Lower	Upper
146	100		
111	36.0	6.0	66.0
148	64.1	34.1	94.1

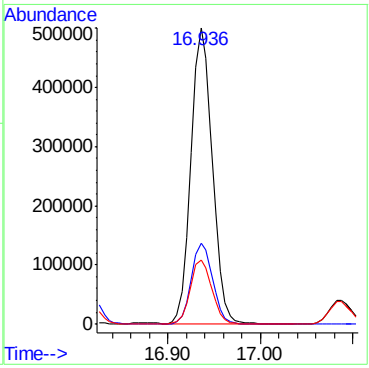


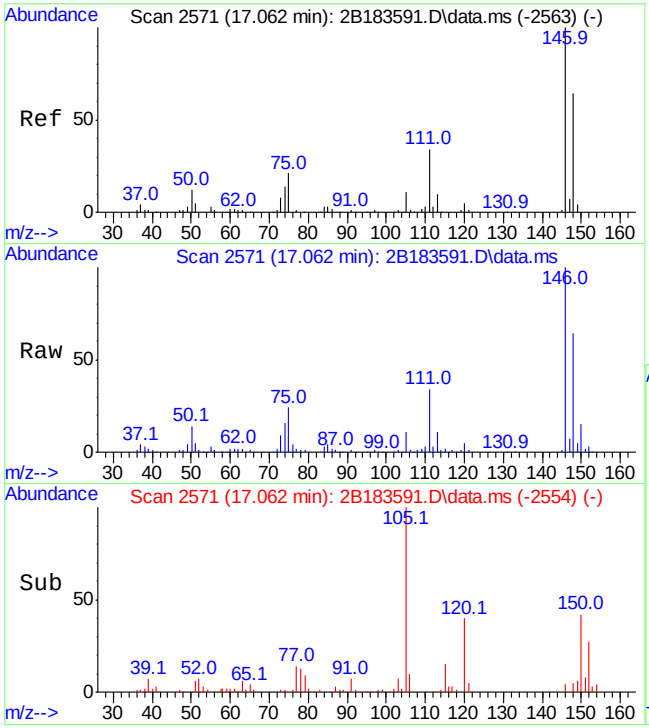


#111
p-isopropyltoluene
Concen: 58.06 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:119 Resp: 805952

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	57.3
91	21.8	0.0	51.8

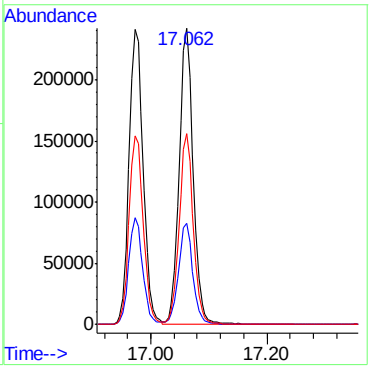


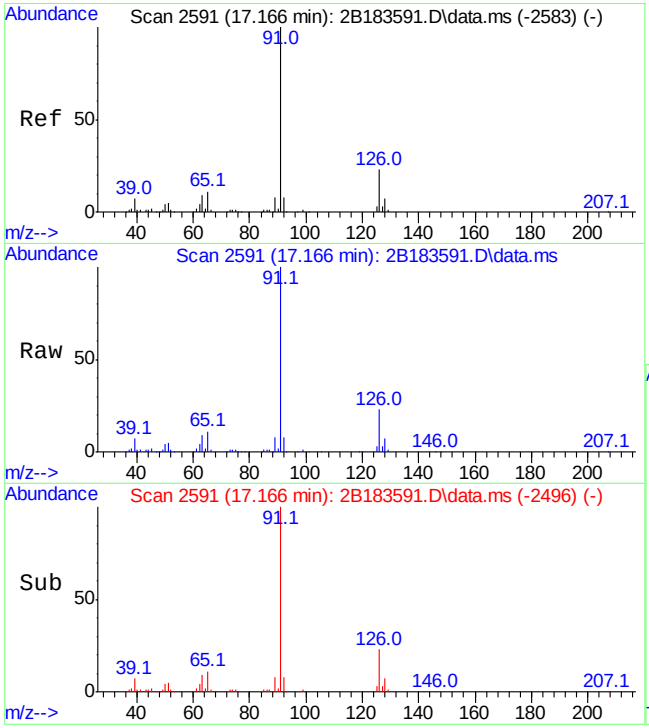


#112
1,4-dichlorobenzene
Concen: 56.01 ug/L
RT: 17.062 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:146 Resp: 408921

Ion	Ratio	Lower	Upper
146	100		
111	34.0	4.0	64.0
148	64.3	34.3	94.3

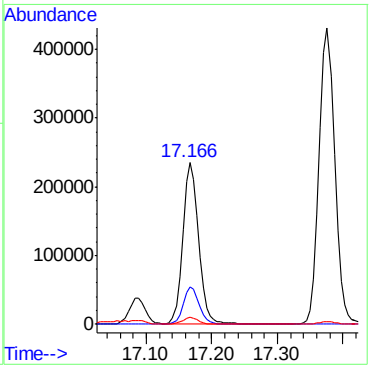


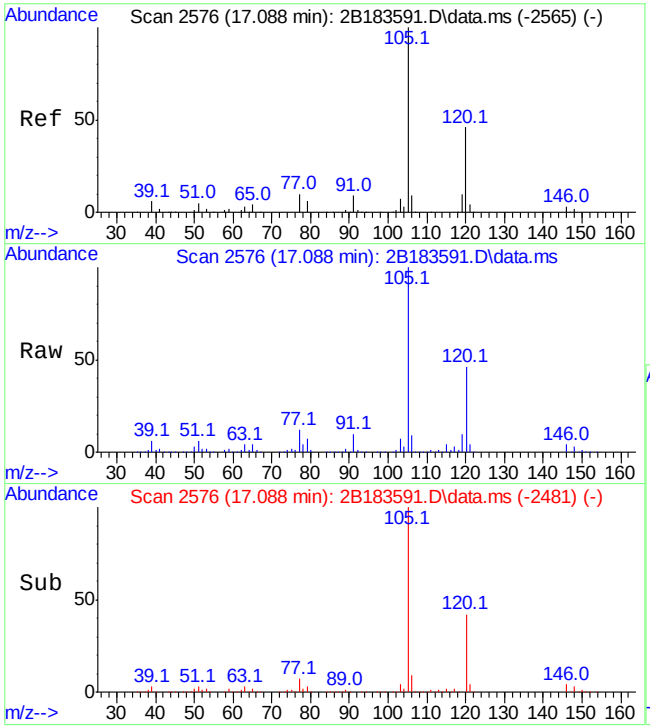


#113
benzyl chloride
Concen: 59.66 ug/L
RT: 17.166 min Scan# 2591
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 91 Resp: 398094

Ion	Ratio	Lower	Upper
91	100		
126	22.7	0.0	52.7
62	4.0	0.0	34.0

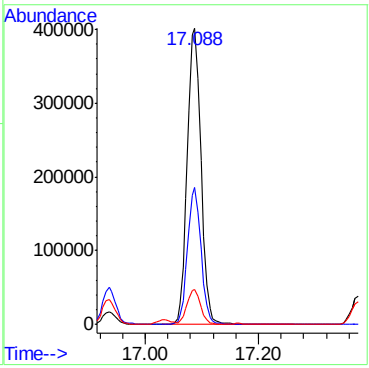


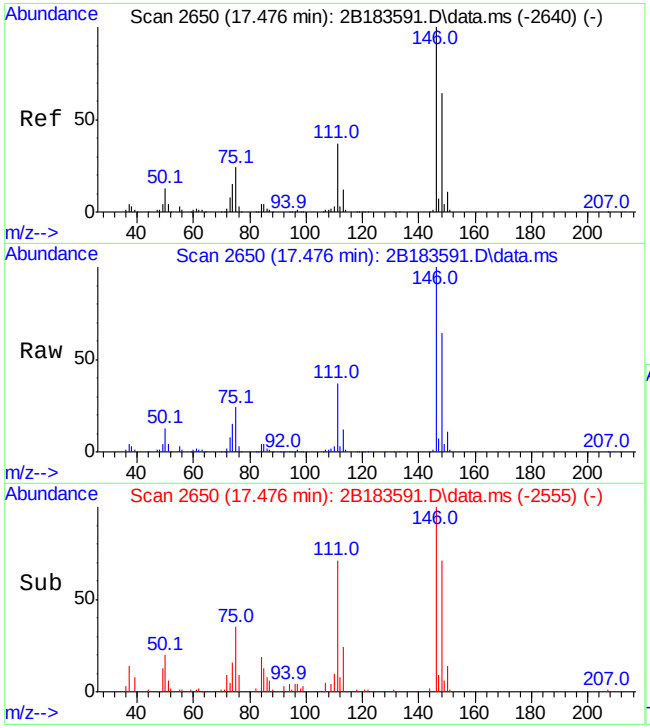


#114
1,2,3-trimethylbenzene
Concen: 58.08 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:105 Resp: 676261

Ion	Ratio	Lower	Upper
105	100		
120	46.3	16.3	76.3
77	11.7	0.0	41.7

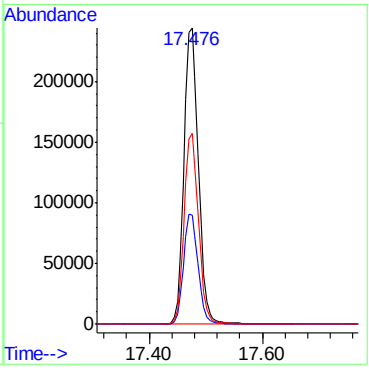


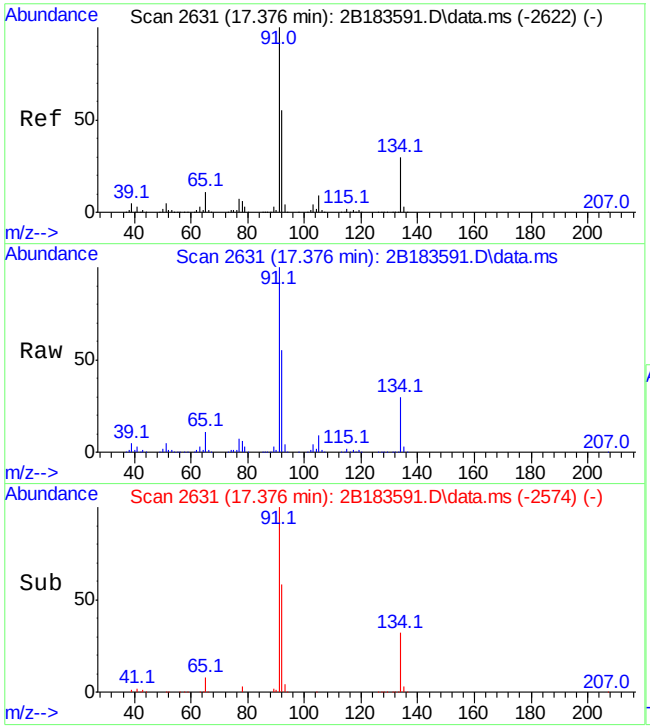


#115
1,2-dichlorobenzene
Concen: 58.43 ug/L
RT: 17.476 min Scan# 2650
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:146 Resp: 434120

Ion	Ratio	Lower	Upper
146	100		
111	36.6	6.6	66.6
148	64.3	34.3	94.3

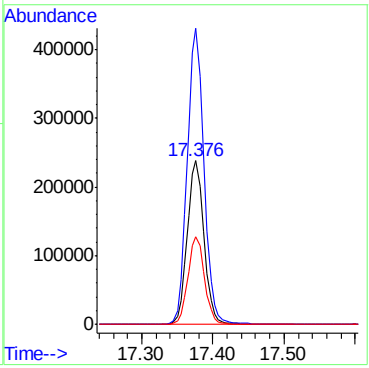


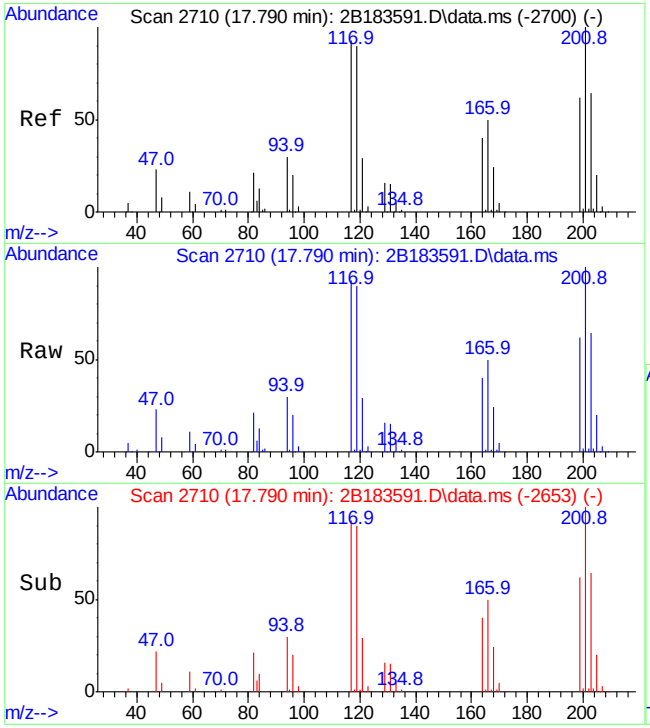


#116
n-butylbenzene
Concen: 59.47 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 92 Resp: 387946

Ion	Ratio	Lower	Upper
92	100		
91	180.9	150.9	210.9
134	53.6	23.6	83.6

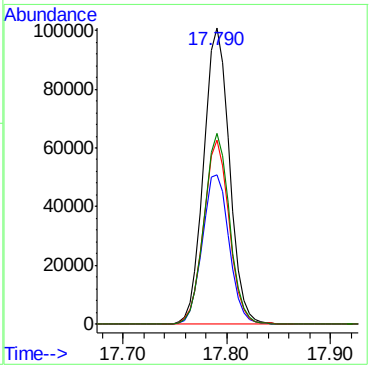


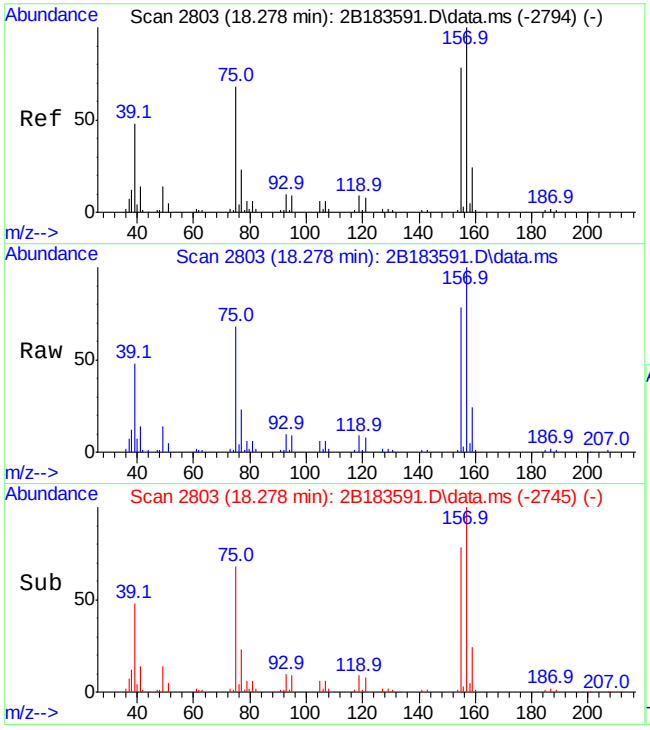


#117
hexachloroethane
Concen: 60.11 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:201 Resp: 173105

Ion	Ratio	Lower	Upper
201	100		
166	50.5	30.5	70.5
199	62.1	42.1	82.1
203	64.3	44.3	84.3

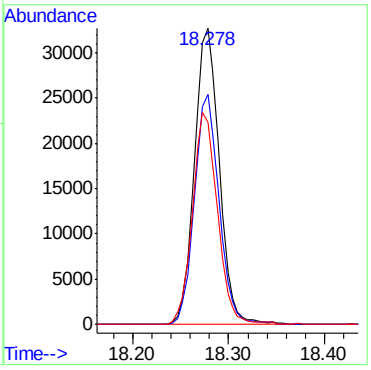


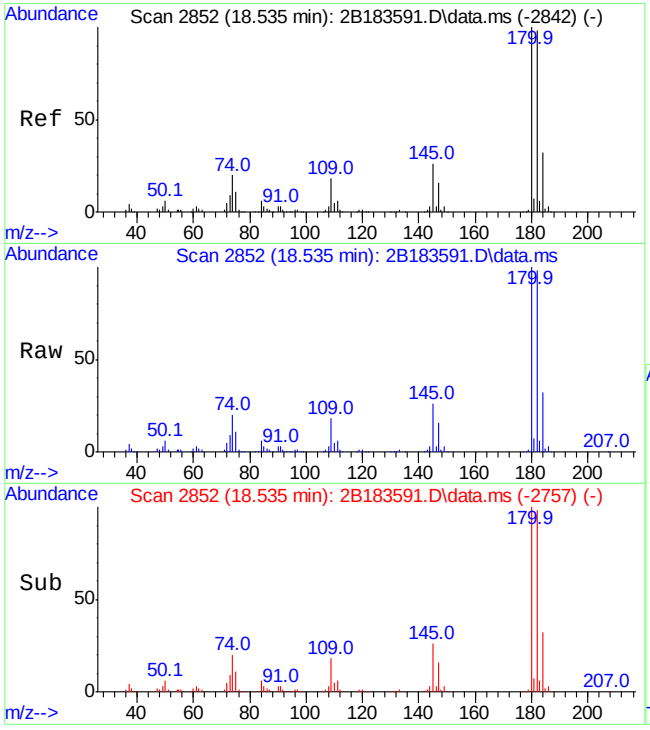


#118
1,2-dibromo-3-chloropropane
Concen: 58.57 ug/L
RT: 18.278 min Scan# 2803
Delta R.T. 0.005 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:157 Resp: 58904

Ion	Ratio	Lower	Upper
157	100		
155	77.6	47.6	107.6
75	68.4	38.4	98.4

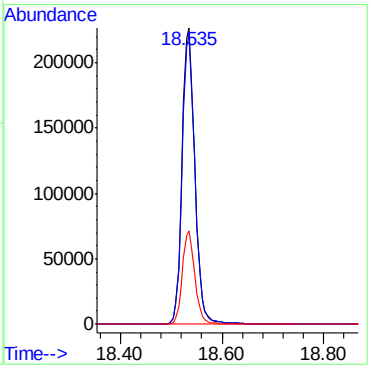


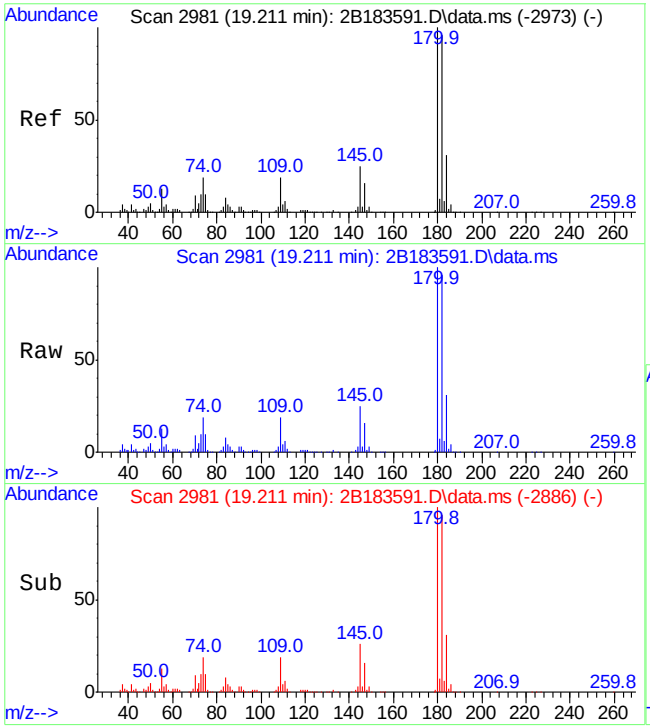


#119
1,3,5-trichlorobenzene
Concen: 60.97 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:180 Resp: 399654

Ion	Ratio	Lower	Upper
180	100		
182	97.9	67.9	127.9
184	31.5	1.5	61.5

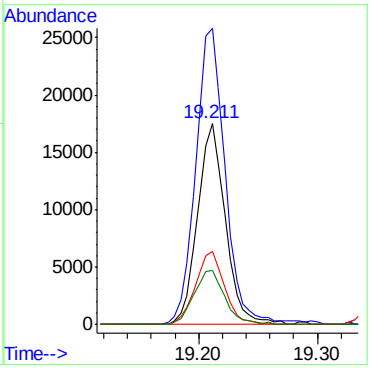


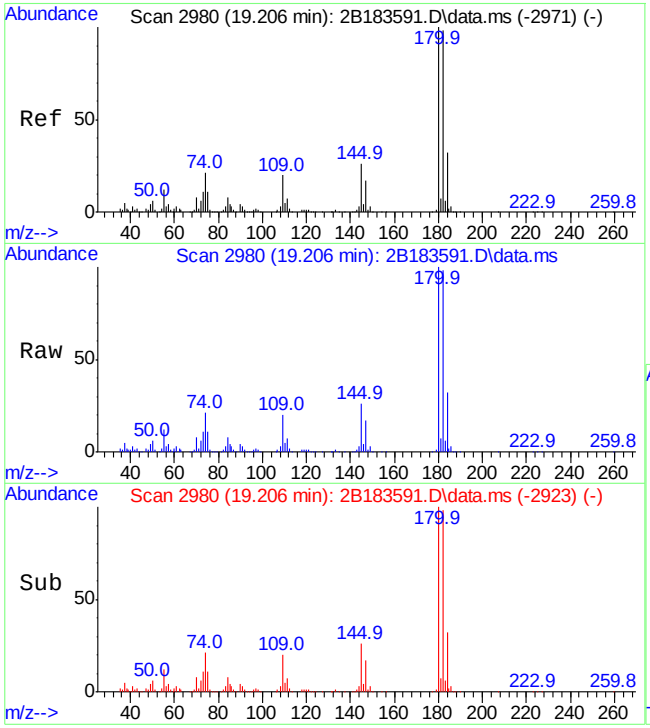


#120
2-ethylhexyl acrylate
Concen: 11.38 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion: 70 Resp: 28542

Ion	Ratio	Lower	Upper
70	100		
55	147.3	127.3	167.3
83	36.1	16.1	56.1
112	27.1	7.1	47.1

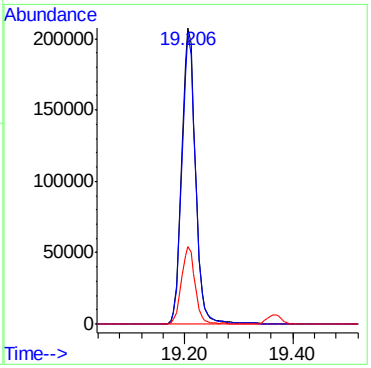


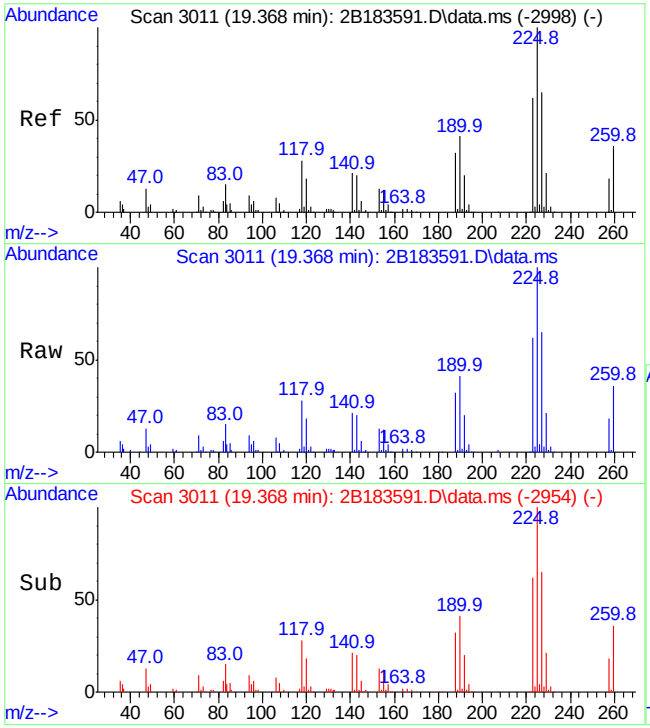


#121
1,2,4-trichlorobenzene
Concen: 61.32 ug/L
RT: 19.206 min Scan# 2980
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:180 Resp: 363870

Ion	Ratio	Lower	Upper
180	100		
182	98.2	68.2	128.2
145	26.2	0.0	56.2

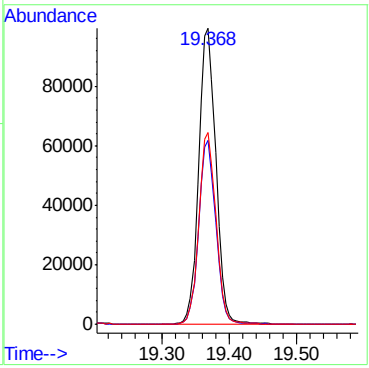


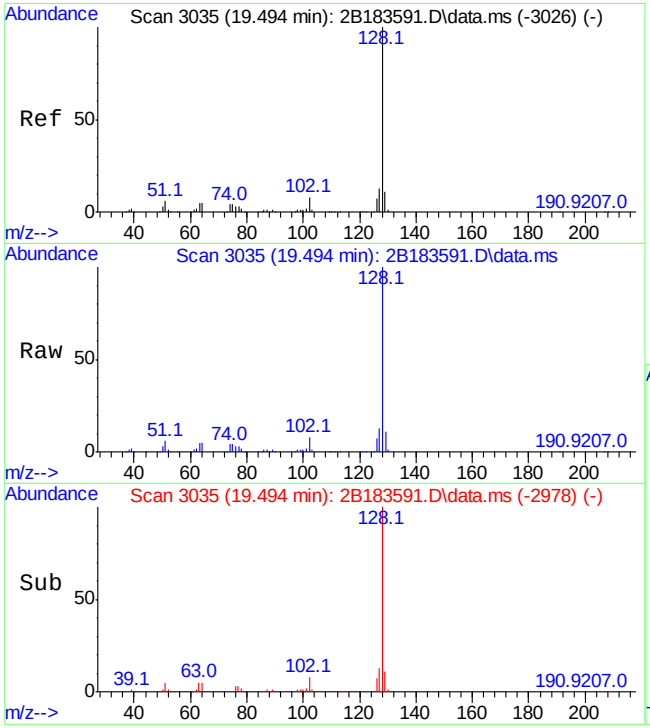


#122
hexachlorobutadiene
Concen: 58.06 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:225 Resp: 176829

Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.1	92.1
227	64.7	34.7	94.7

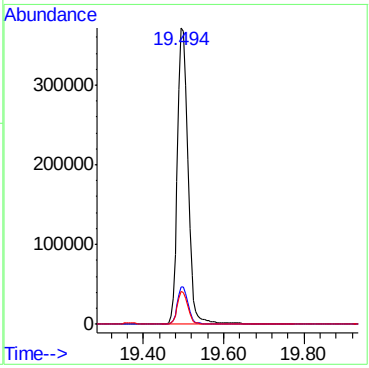


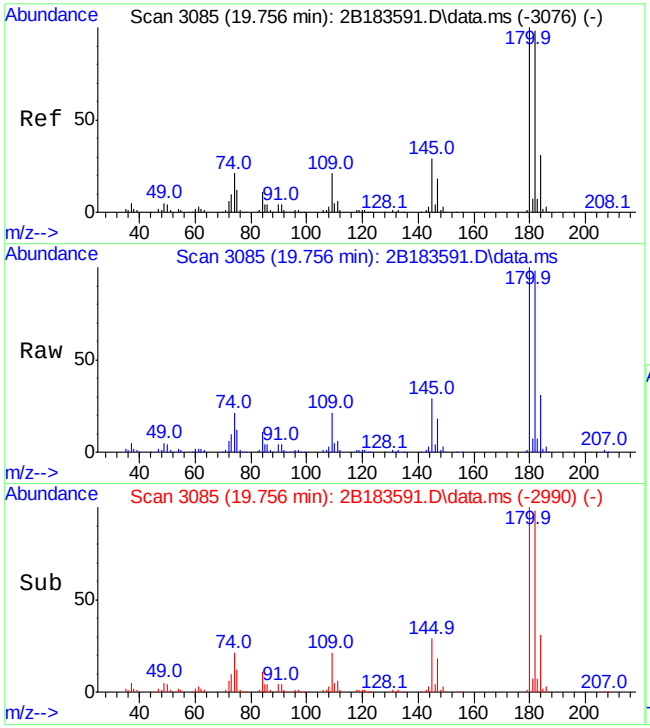


#123
naphthalene
Concen: 59.66 ug/L
RT: 19.494 min Scan# 3035
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:128 Resp: 676928

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.6
129	11.2	0.0	41.2

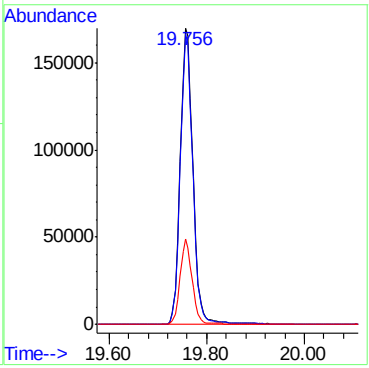


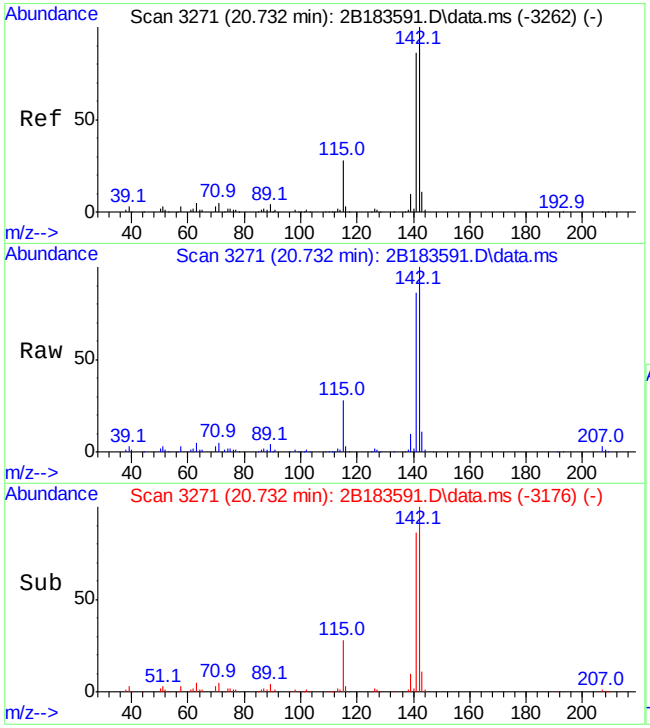


#124
1,2,3-trichlorobenzene
Concen: 61.56 ug/L
RT: 19.756 min Scan# 3085
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:180 Resp: 308580

Ion	Ratio	Lower	Upper
180	100		
182	98.2	68.2	128.2
145	28.6	0.0	58.6

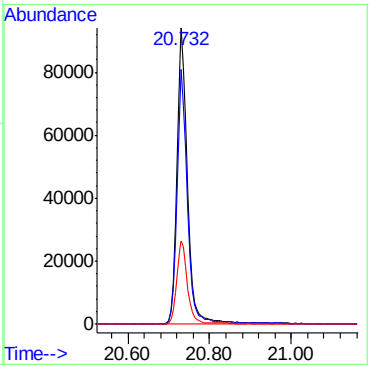




#125
2-methylnaphthalene
Concen: 28.38 ug/L
RT: 20.732 min Scan# 3271
Delta R.T. 0.000 min
Lab File: 2B183591.D
Acq: 16 Jun 21 9:20 pm

Tgt Ion:142 Resp: 174654

Ion	Ratio	Lower	Upper
142	100		
141	86.0	66.0	106.0
115	28.1	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183592.D
Acq On : 16 Jun 2021 9:48 pm
Operator : thienn
Sample : ic8337-100
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 18:49:29 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	107532	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	350175	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	489016	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	491522	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.035	152	258815	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	156325	49.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.92%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	162575	47.97	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.94%			
74) toluene-d8 (s)	12.946	98	579273	48.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.76%			
98) 4-bromofluorobenzene (s)	15.787	95	219797	50.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.56%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.881	59	126017	528.76	ug/L	99
3) ethanol	6.334	45	212315	10421.83	ug/L	97
4) 1,4-dioxane	11.934	88	52185	2648.86	ug/L	91
6) chlorodifluoromethane	4.158	51	435307	101.07	ug/L	99
7) dichlorodifluoromethane	4.148	85	595674	103.20	ug/L	100
8) chloromethane	4.557	50	507503	91.78	ug/L	99
9) vinyl chloride	4.803	62	492945	98.09	ug/L	100
10) 1,3-butadiene	4.829	54	321971	92.74	ug/L	99
11) bromomethane	5.448	94	354165	97.84	ug/L	98
12) chloroethane	5.626	64	246062	98.93	ug/L	98
13) trichlorofluoromethane	6.119	101	599466	99.72	ug/L	97
14) ethyl ether	6.607	74	157571	105.62	ug/L	98
15) acrolein	6.796	56	49059	98.02	ug/L	98
16) freon 113	7.073	151	291285	95.83	ug/L	99
17) 1,1-dichloroethene	7.037	96	253849	97.19	ug/L	98
18) acetone	7.026	43	270714	409.12	ug/L	99
19) acetonitrile	7.451	41	272663	978.69	ug/L	98
20) iodomethane	7.299	142	577705	99.35	ug/L	99
21) carbon disulfide	7.461	76	867466	97.24	ug/L	99
22) methylene chloride	7.781	84	289229	103.08	ug/L	99
23) methyl acetate	7.598	43	184253	108.14	ug/L	98
24) methyl tert butyl ether	8.237	73	848552	101.03	ug/L	100
25) trans-1,2-dichloroethene	8.243	96	276506	97.59	ug/L	99
26) di-isopropyl ether	8.929	45	868271	101.50	ug/L	98
27) 2-butanone	9.595	72	111536	440.20	ug/L	97
28) 1,1-dichloroethane	8.846	63	481965	101.36	ug/L	99
29) chloroprene	8.998	53	374095	102.00	ug/L	97
30) acrylonitrile	8.106	52	67559	106.79	ug/L	98
31) hexane	8.678	56	211303	100.93	ug/L	99
32) vinyl acetate	8.867	86	56773	110.12	ug/L #	93
33) ethyl tert-butyl ether	9.433	59	987699	105.75	ug/L	99
34) ethyl acetate	9.674	45	33911	106.40	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183592.D
Acq On : 16 Jun 2021 9:48 pm
Operator : thienn
Sample : ic8337-100
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 18:49:29 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) 2,2-dichloropropane	9.674	77	430461	95.94	ug/L		99
36) cis-1,2-dichloroethene	9.637	96	302258	100.71	ug/L		99
37) methyl acrylate	9.747	55	208376	104.53	ug/L		97
38) propionitrile	9.637	54	316840	1044.40	ug/L		99
39) bromochloromethane	9.952	128	174044	101.93	ug/L		95
40) tetrahydrofuran	10.036	72	31878	107.75	ug/L		94
41) chloroform	10.031	85	327723	94.63	ug/L		100
42) t-butyl formate	10.114	59	256209	110.09	ug/L		95
44) methacrylonitrile	9.878	67	106570	108.98	ug/L		99
45) 1,1,1-trichloroethane	10.345	97	491610	105.55	ug/L		99
46) cyclohexane	10.466	84	417712	101.02	ug/L		96
47) 1,1-dichloropropene	10.544	75	364724	100.69	ug/L		98
48) iso-butyl alcohol	10.508	43	88648	1079.77	ug/L		96
49) carbon tetrachloride	10.581	117	429477	98.48	ug/L		99
50) tert amyl alcohol	10.654	55	41456	480.14	ug/L		96
53) n-butyl alcohol	11.299	56	301306	5092.09	ug/L		99
54) 2,2,4-trimethylpentane	10.911	57	980262	99.94	ug/L		96
55) benzene	10.801	78	1024313	98.85	ug/L		99
56) tert-amyl methyl ether	10.896	87	225288	100.62	ug/L		99
57) heptane	11.090	71	227419	102.86	ug/L		98
58) isopropyl acetate	10.759	87	58468	105.78	ug/L		97
59) 1,2-dichloroethane	10.770	62	392477	99.10	ug/L		99
60) trichloroethene	11.561	130	350625	103.92	ug/L		99
61) ethyl acrylate	11.577	55	308417	107.38	ug/L		99
62) 2-nitropropane	12.301	41	75678	102.72	ug/L		95
63) 2-chloroethyl vinyl ether	12.379	63	864894	525.83	ug/L		99
64) methyl methacrylate	11.860	100	69006	107.03	ug/L	#	85
65) 1,2-dichloropropane	11.808	63	291018	103.82	ug/L		99
66) dibromomethane	11.949	93	186499	99.64	ug/L		97
67) methylcyclohexane	11.850	83	518874	98.92	ug/L		99
68) bromodichloromethane	12.096	83	421430	105.88	ug/L		99
69) epichlorohydrin	12.469	57	127953	513.35	ug/L		99
70) cis-1,3-dichloropropene	12.605	75	501845	106.27	ug/L		99
71) 4-methyl-2-pentanone	12.720	58	393647	410.55	ug/L		98
72) 3-methyl-1-butanol	12.736	70	120827	2121.53	ug/L		93
75) toluene	13.024	92	718120	102.27	ug/L		100
76) trans-1,3-dichloropropene	13.192	75	453978	108.11	ug/L		98
77) ethyl methacrylate	13.250	69	359214	105.63	ug/L		99
78) 1,1,2-trichloroethane	13.412	83	221570	101.90	ug/L		98
79) tetrachloroethene	13.669	164	285344	93.43	ug/L		99
80) 1,3-dichloropropane	13.612	76	441353	100.03	ug/L		98
81) 2-hexanone	13.632	58	349664	410.67	ug/L		99
82) butyl acetate	13.748	56	170435	104.89	ug/L		96
83) dibromochloromethane	13.889	129	372957	104.91	ug/L		99
84) 1,2-dibromoethane	14.052	107	298927	103.94	ug/L		97
85) n-butyl ether	14.576	57	1118964	103.00	ug/L		100
86) chlorobenzene	14.581	112	833241	99.82	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.644	131	343318	98.61	ug/L		99
88) ethylbenzene	14.671	91	1279762	94.99	ug/L		100
89) m,p-xylene	14.786	106	1081628	198.75	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183592.D
Acq On : 16 Jun 2021 9:48 pm
Operator : thienn
Sample : ic8337-100
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 18:49:29 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

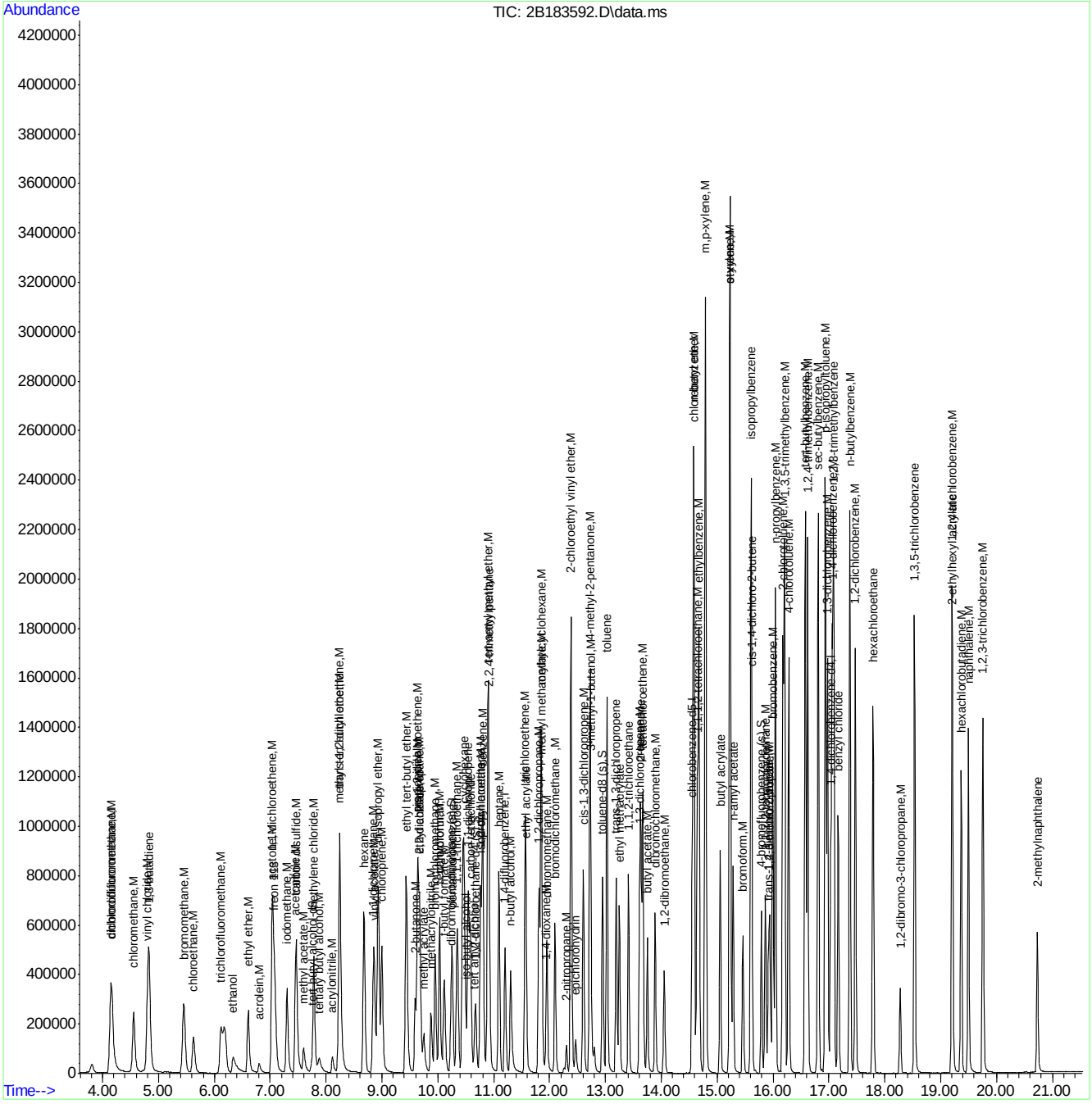
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	o-xylene	15.226	106	585204	100.93	ug/L	98
91)	styrene	15.226	104	947520	102.28	ug/L	99
92)	n-amyl acetate	15.284	70	197547	103.45	ug/L	99
93)	bromoform	15.462	173	293781	105.00	ug/L	98
94)	butyl acrylate	15.053	55	589429	110.27	ug/L	99
95)	isopropylbenzene	15.604	105	1550768	98.07	ug/L	99
96)	cis-1,4-dichloro-2-butene	15.620	88	134966	101.23	ug/L	98
99)	bromobenzene	15.992	156	427745	101.70	ug/L	99
100)	1,1,2,2-tetrachloroethane	15.861	83	366012	105.69	ug/L	99
101)	trans-1,4-dichloro-2-b...	15.913	53	97871	108.91	ug/L	92
102)	1,2,3-trichloropropane	15.939	110	100735	100.31	ug/L	96
103)	n-propylbenzene	16.044	91	1615704	100.33	ug/L	99
104)	2-chlorotoluene	16.175	126	393427	103.67	ug/L	99
105)	4-chlorotoluene	16.280	91	1016901	100.02	ug/L	99
106)	1,3,5-trimethylbenzene	16.207	105	1224905	100.59	ug/L	100
107)	tert-butylbenzene	16.574	134	308506	106.59	ug/L	94
108)	1,2,4-trimethylbenzene	16.621	105	1282329	101.20	ug/L	100
109)	sec-butylbenzene	16.810	105	1717555	101.94	ug/L	98
110)	1,3-dichlorobenzene	16.972	146	774886	97.87	ug/L	99
111)	p-isopropyltoluene	16.936	119	1517340	102.74	ug/L	99
112)	1,4-dichlorobenzene	17.061	146	802094	103.25	ug/L	98
113)	benzyl chloride	17.166	91	798263	112.44	ug/L	99
114)	1,2,3-trimethylbenzene	17.088	105	1292835	104.36	ug/L	100
115)	1,2-dichlorobenzene	17.470	146	838765	106.09	ug/L	99
116)	n-butylbenzene	17.376	92	740770	106.72	ug/L	97
117)	hexachloroethane	17.790	201	333748	108.92	ug/L	99
118)	1,2-dibromo-3-chloropr...	18.278	157	119870	112.02	ug/L	98
119)	1,3,5-trichlorobenzene	18.535	180	740023	106.10	ug/L	100
120)	2-ethylhexyl acrylate	19.211	70	56016	20.42	ug/L	98
121)	1,2,4-trichlorobenzene	19.206	180	672487	106.51	ug/L	99
122)	hexachlorobutadiene	19.368	225	317563	98.00	ug/L	99
123)	naphthalene	19.494	128	1283040	106.28	ug/L	100
124)	1,2,3-trichlorobenzene	19.756	180	571181	107.09	ug/L	100
125)	2-methylnaphthalene	20.732	142	342640	51.43	ug/L	98

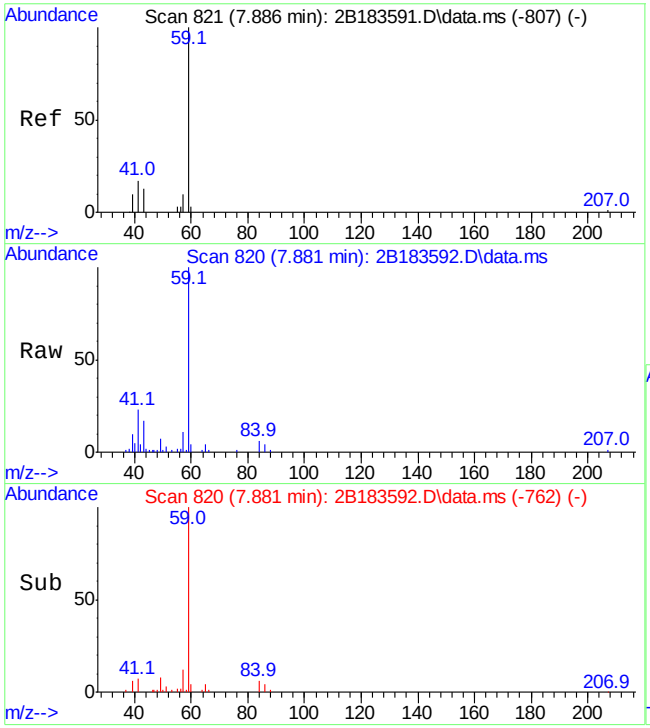
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183592.D
Acq On : 16 Jun 2021 9:48 pm
Operator : thienn
Sample : ic8337-100
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 18:49:29 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

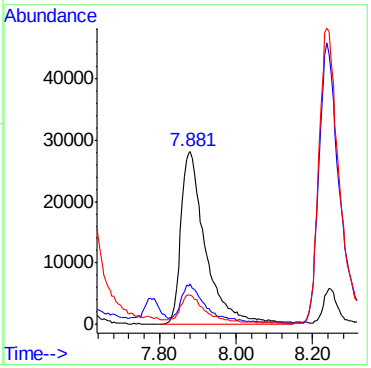


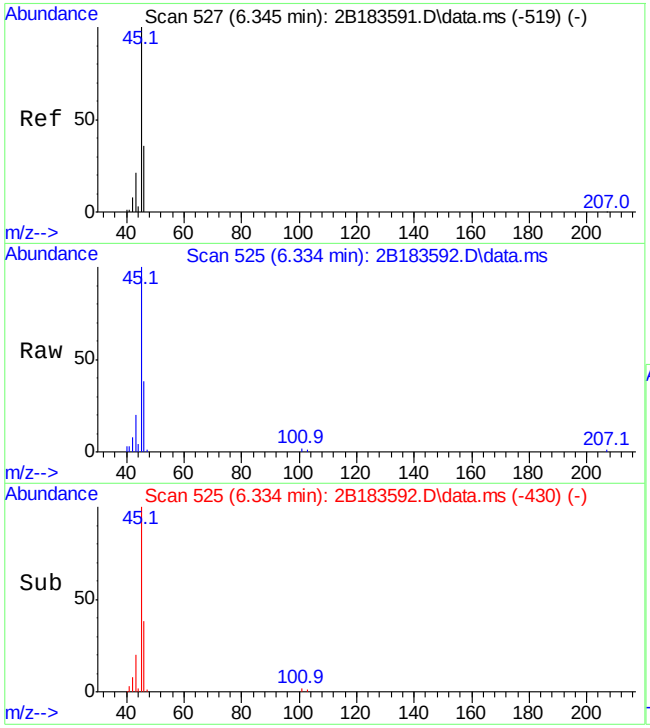


#2
tertiary butyl alcohol
Concen: 528.76 ug/L
RT: 7.881 min Scan# 820
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 59 Resp: 126017

Ion	Ratio	Lower	Upper
59	100		
41	22.5	0.0	52.7
43	16.3	0.0	46.6

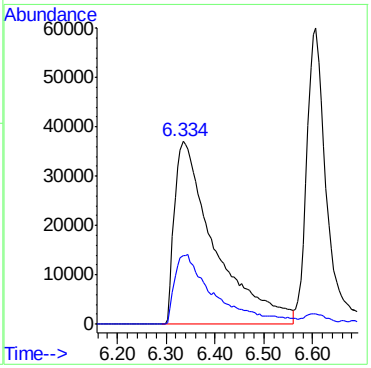


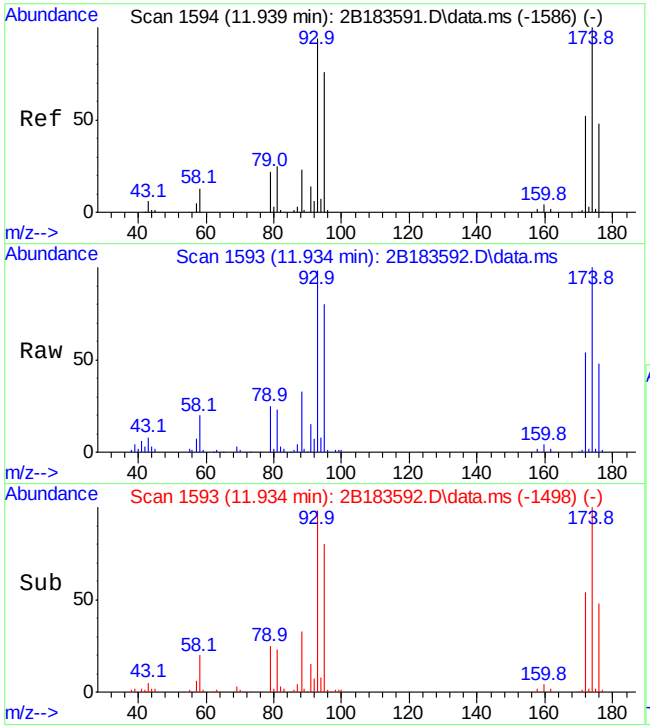


#3
ethanol
Concen: 10421.83 ug/L
RT: 6.334 min Scan# 525
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 45 Resp: 212315

Ion	Ratio	Lower	Upper
45	100		
46	37.6	6.1	66.1

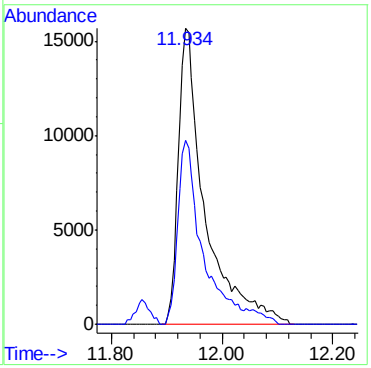


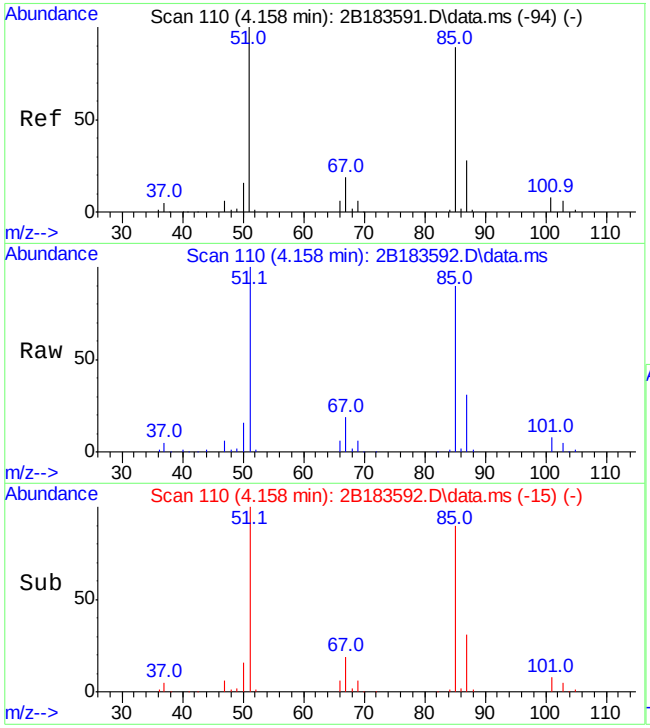


#4
1,4-dioxane
Concen: 2648.86 ug/L
RT: 11.934 min Scan# 1593
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 88 Resp: 52185

Ion	Ratio	Lower	Upper
88	100		
58	62.3	25.6	85.6

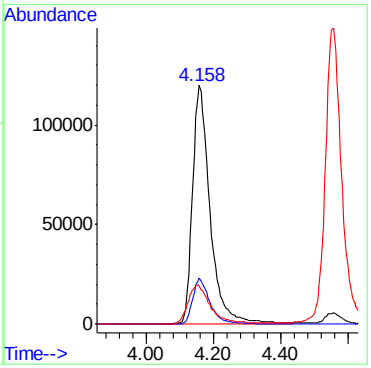


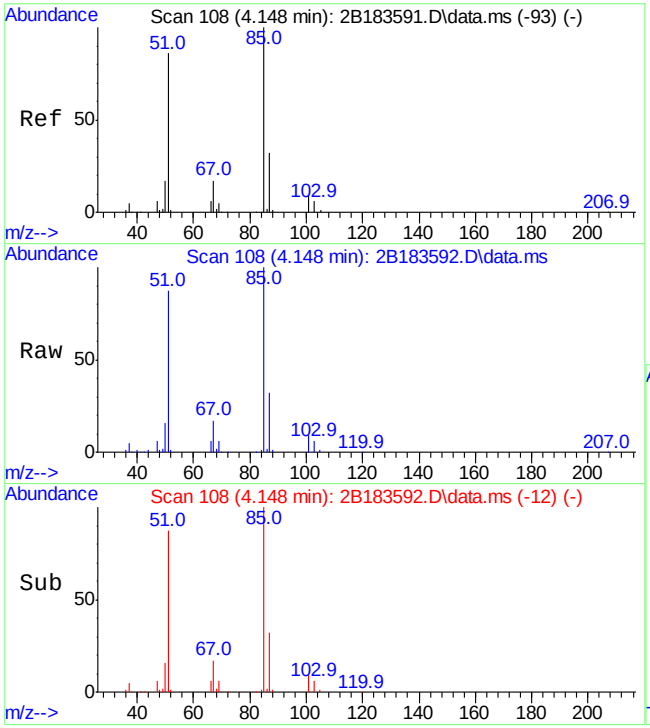


#6
chlorodifluoromethane
Concen: 101.07 ug/L
RT: 4.158 min Scan# 110
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 51 Resp: 435307

Ion	Ratio	Lower	Upper
51	100		
67	19.4	0.0	48.7
50	16.0	0.0	45.8

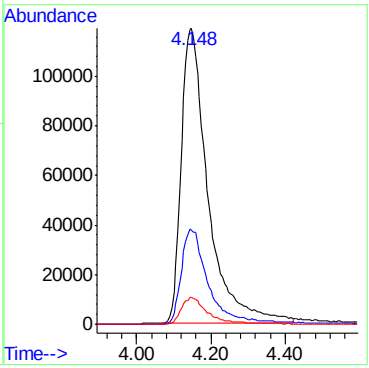


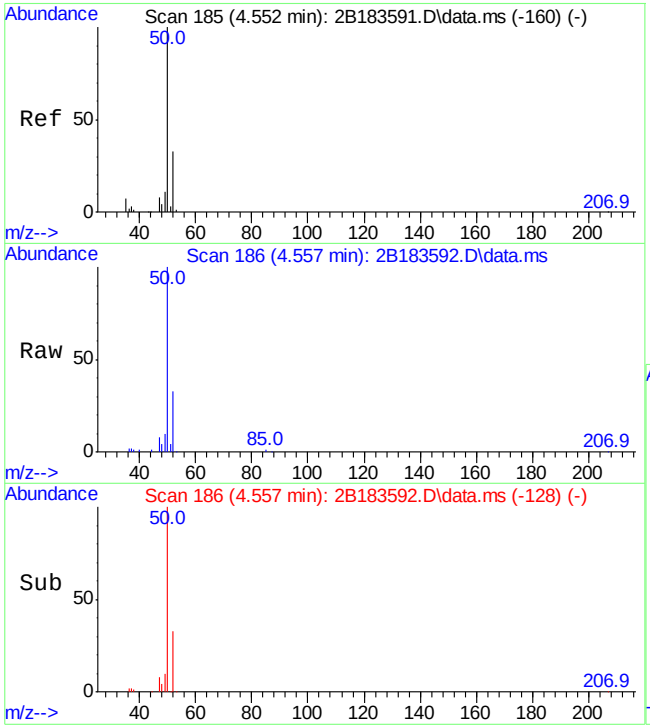


#7
dichlorodifluoromethane
Concen: 103.20 ug/L
RT: 4.148 min Scan# 108
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 85 Resp: 595674

Ion	Ratio	Lower	Upper
85	100		
87	32.1	1.9	61.9
101	9.3	0.0	39.2

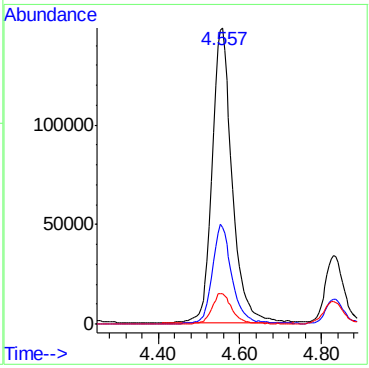


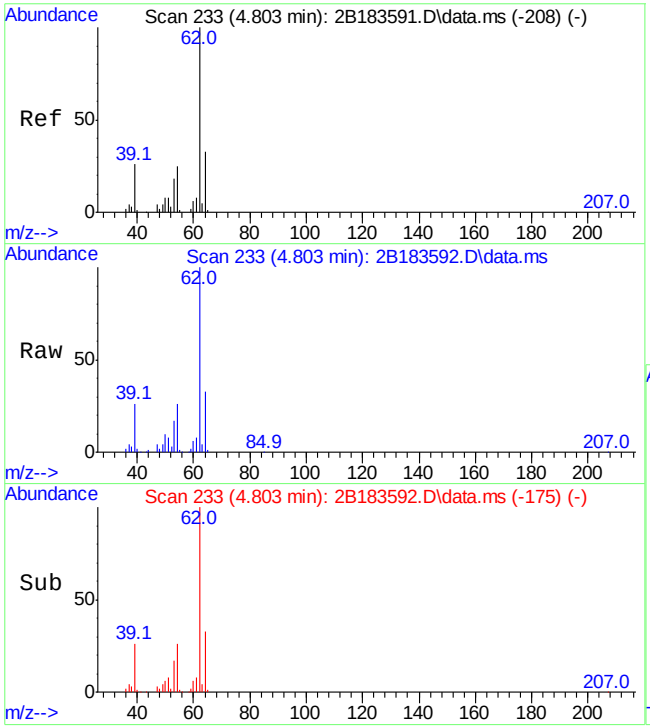


#8
chloromethane
Concen: 91.78 ug/L
RT: 4.557 min Scan# 186
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 50 Resp: 507503

Ion	Ratio	Lower	Upper
50	100		
52	32.7	2.9	62.9
49	10.2	0.0	41.3

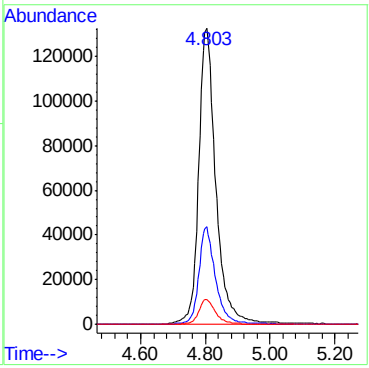


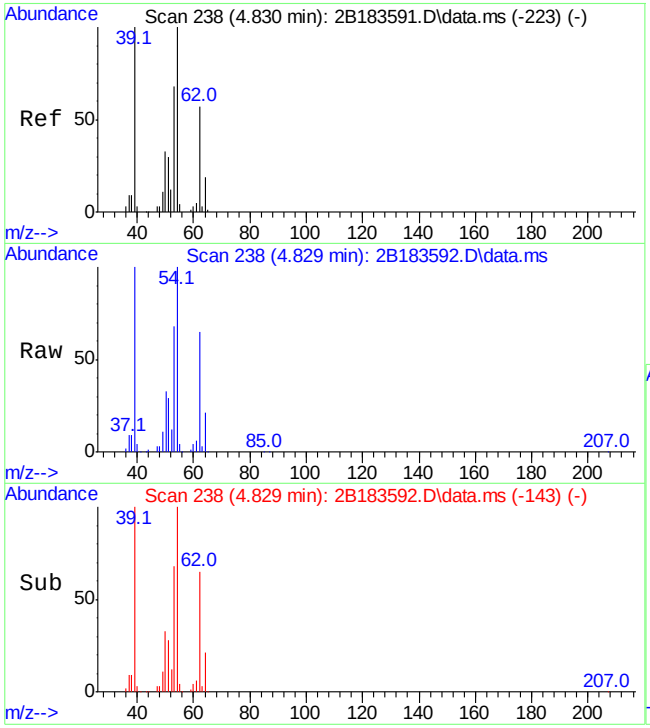


#9
vinyl chloride
Concen: 98.09 ug/L
RT: 4.803 min Scan# 233
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 62 Resp: 492945

Ion	Ratio	Lower	Upper
62	100		
64	32.9	3.0	63.0
61	8.4	0.0	38.4

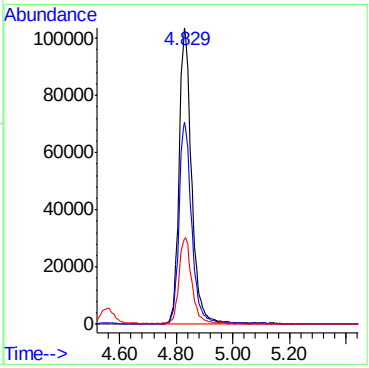


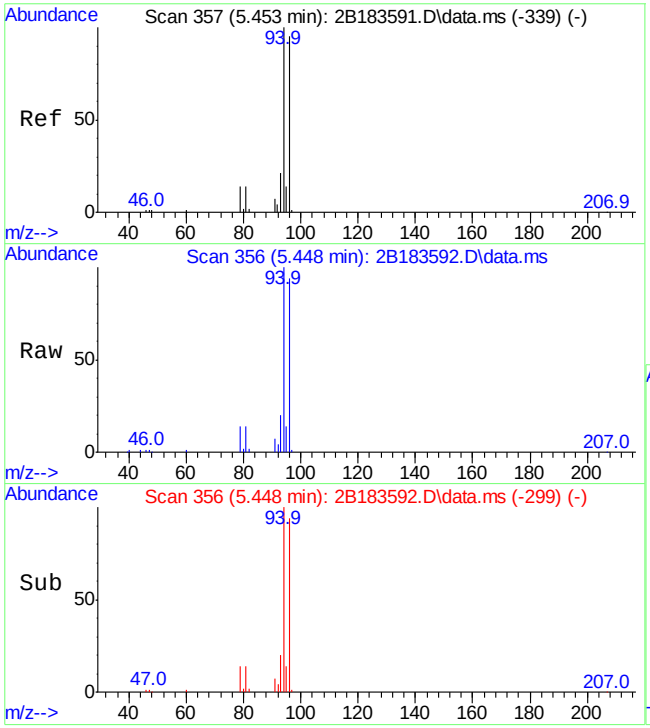


#10
1,3-butadiene
Concen: 92.74 ug/L
RT: 4.829 min Scan# 238
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 54 Resp: 321971

Ion	Ratio	Lower	Upper
54	100		
53	68.3	38.4	98.4
51	28.8	0.0	60.0

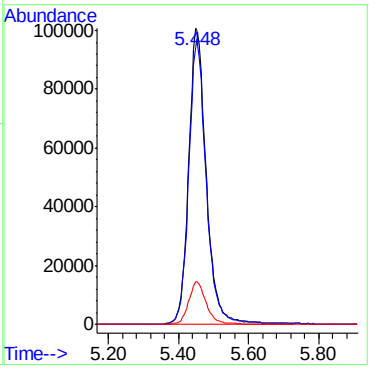


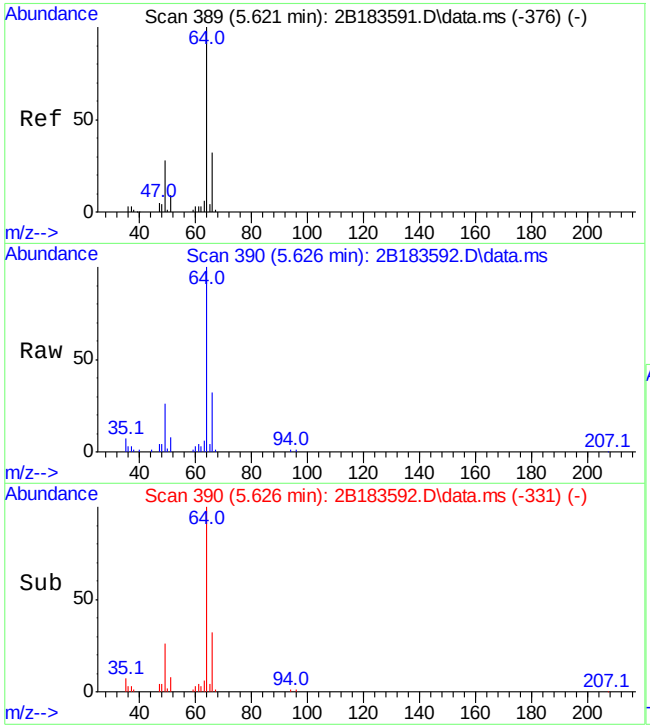


#11
bromomethane
Concen: 97.84 ug/L
RT: 5.448 min Scan# 356
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 94 Resp: 354165

Ion	Ratio	Lower	Upper
94	100		
96	93.5	65.2	125.2
79	14.3	0.0	44.4

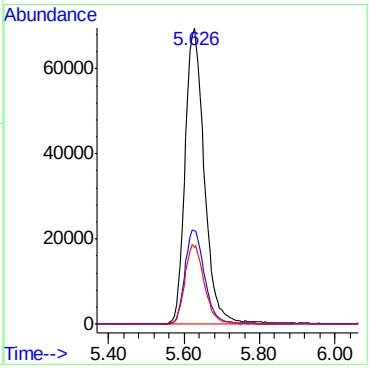


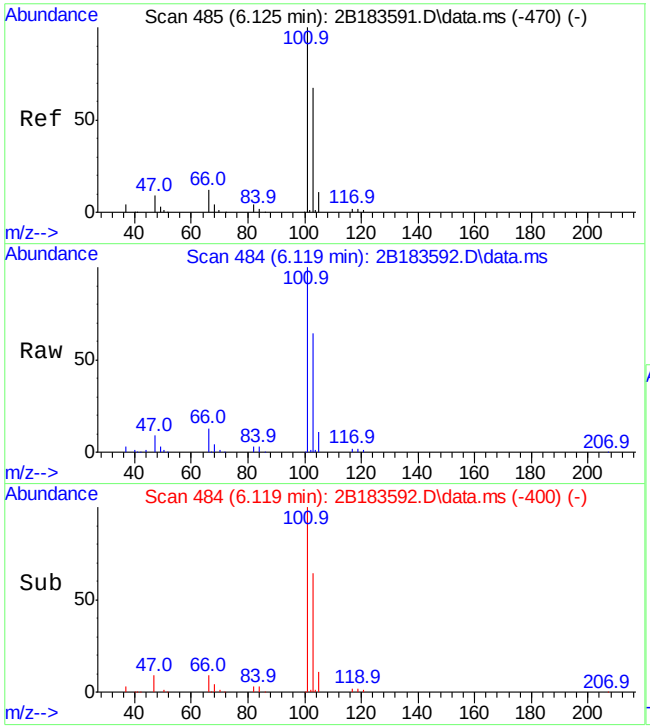


#12
chloroethane
Concen: 98.93 ug/L
RT: 5.626 min Scan# 390
Delta R.T. 0.011 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 64 Resp: 246062

Ion	Ratio	Lower	Upper
64	100		
66	31.5	1.7	61.7
49	26.0	0.0	57.6

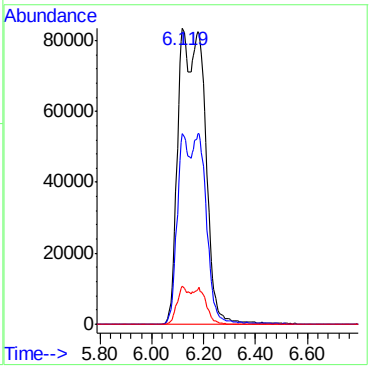


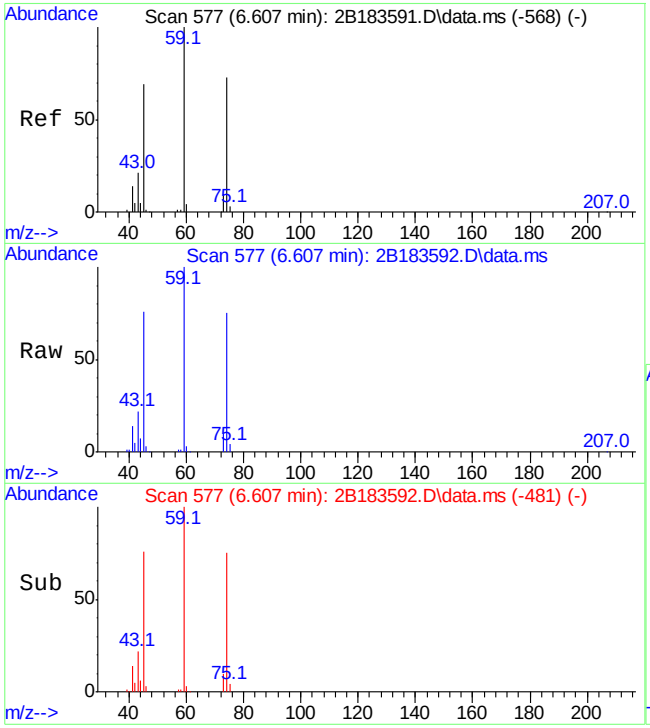


#13
trichlorofluoromethane
Concen: 99.72 ug/L
RT: 6.119 min Scan# 484
Delta R.T. -0.058 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:101 Resp: 599466

Ion	Ratio	Lower	Upper
101	100		
103	64.5	37.3	97.3
66	12.7	0.0	42.3

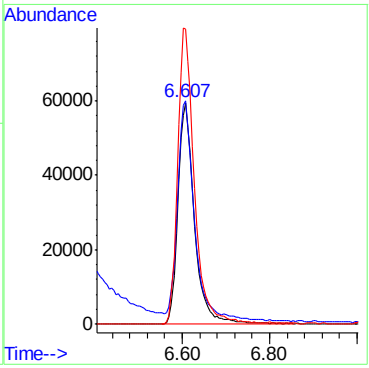


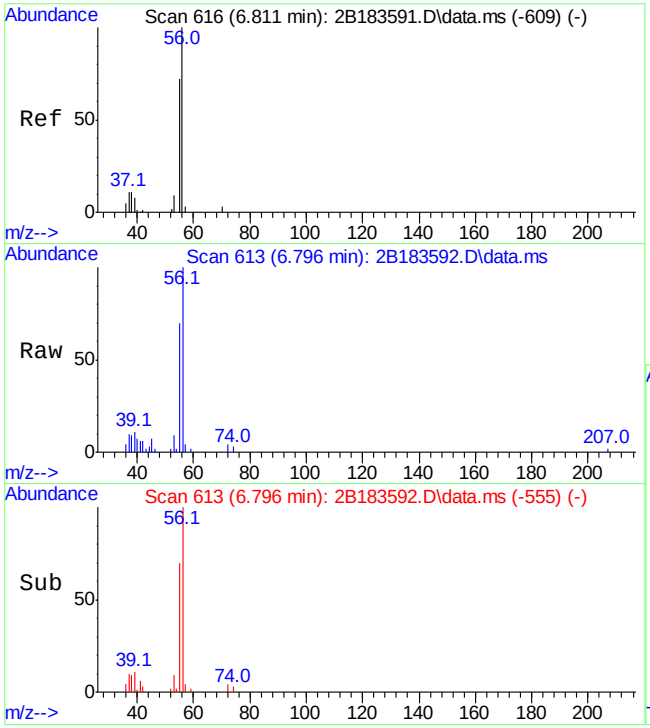


#14
ethyl ether
Concen: 105.62 ug/L
RT: 6.607 min Scan# 577
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 74 Resp: 157571

Ion	Ratio	Lower	Upper
74	100		
45	99.3	69.2	129.2
59	133.1	107.5	167.5

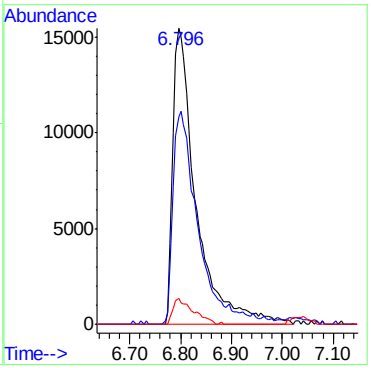


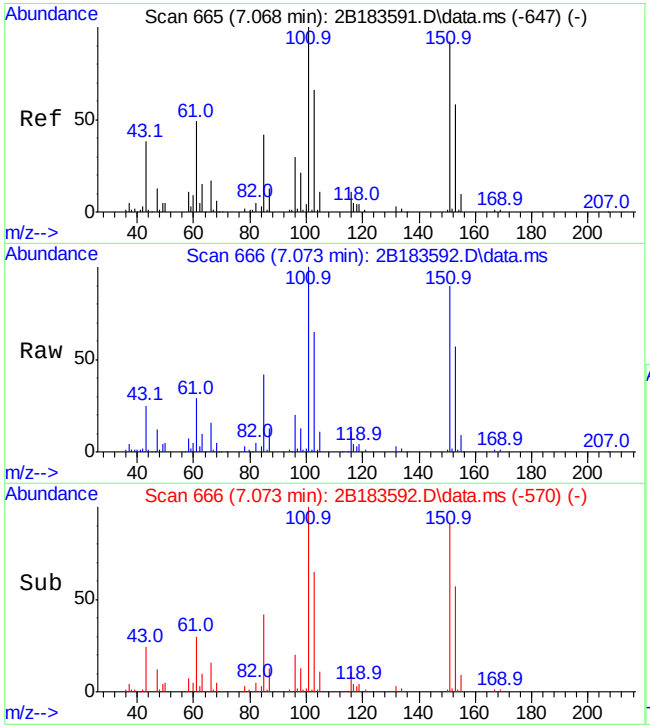


#15
acrolein
Concen: 98.02 ug/L
RT: 6.796 min Scan# 613
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 56 Resp: 49059

Ion	Ratio	Lower	Upper
56	100		
55	70.0	41.6	101.6
53	8.9	0.0	38.7

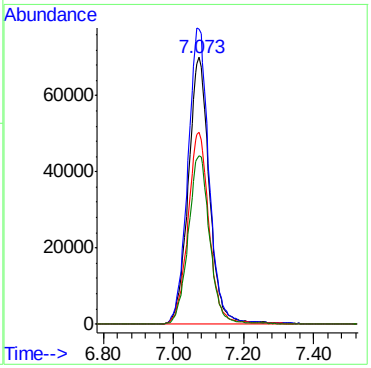


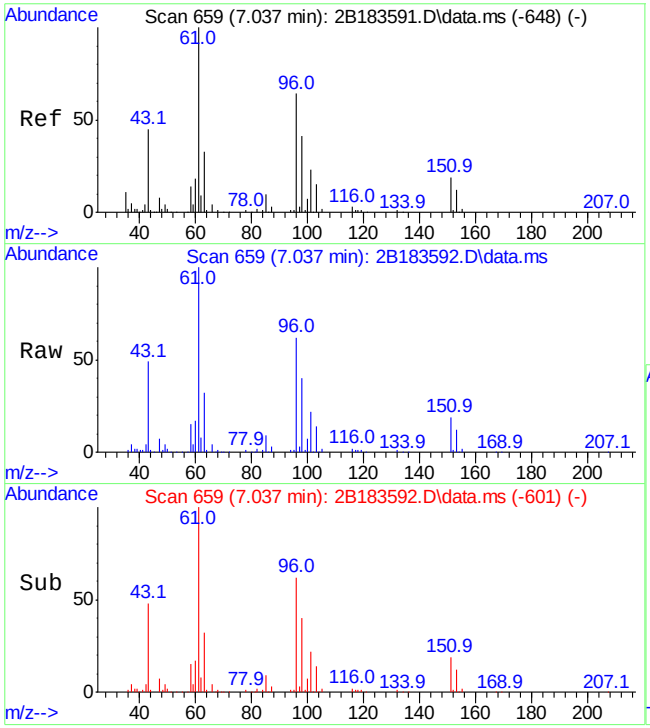


#16
freon 113
Concen: 95.83 ug/L
RT: 7.073 min Scan# 666
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:151 Resp: 291285

Ion	Ratio	Lower	Upper
151	100		
101	110.6	88.6	128.6
103	72.2	52.2	92.2
153	63.1	42.8	82.8

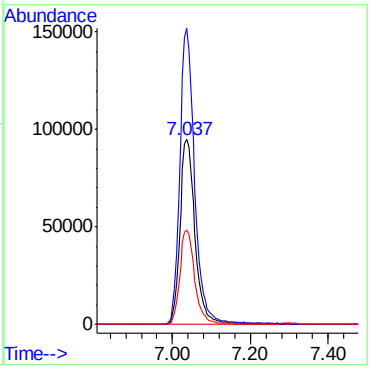


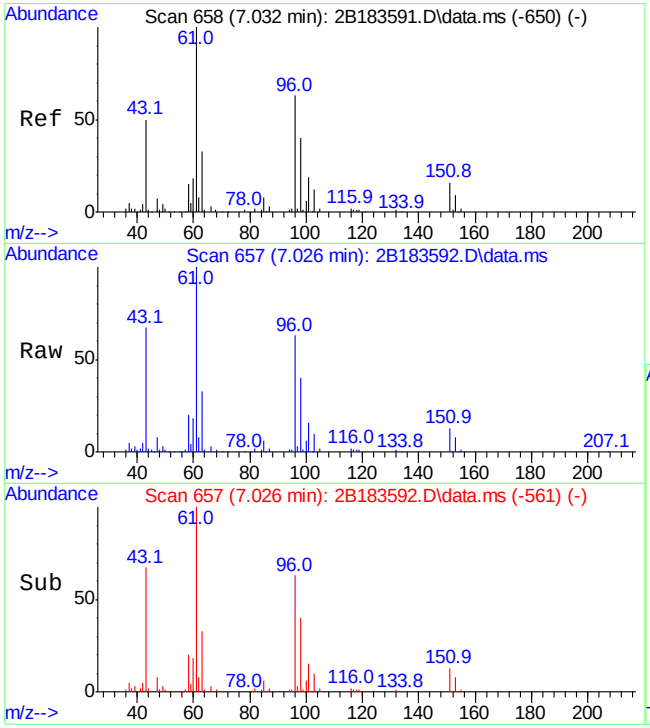


#17
1,1-dichloroethene
Concen: 97.19 ug/L
RT: 7.037 min Scan# 659
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 96 Resp: 253849

Ion	Ratio	Lower	Upper
96	100		
61	160.0	127.2	187.2
63	51.0	21.7	81.7

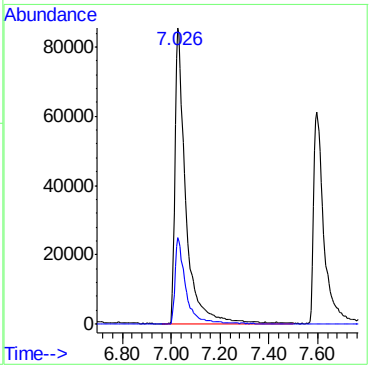


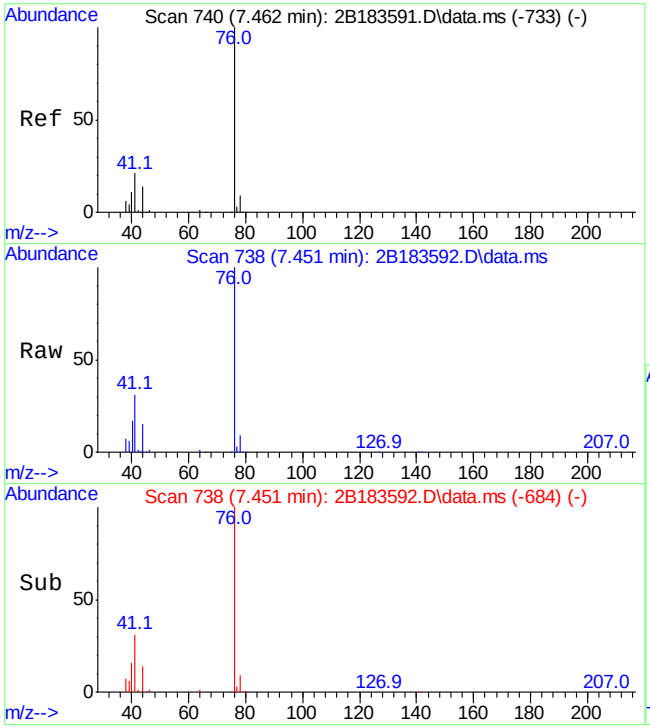


#18
acetone
Concen: 409.12 ug/L
RT: 7.026 min Scan# 657
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 43 Resp: 270714

Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	59.5

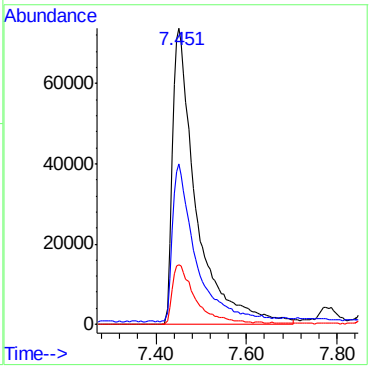


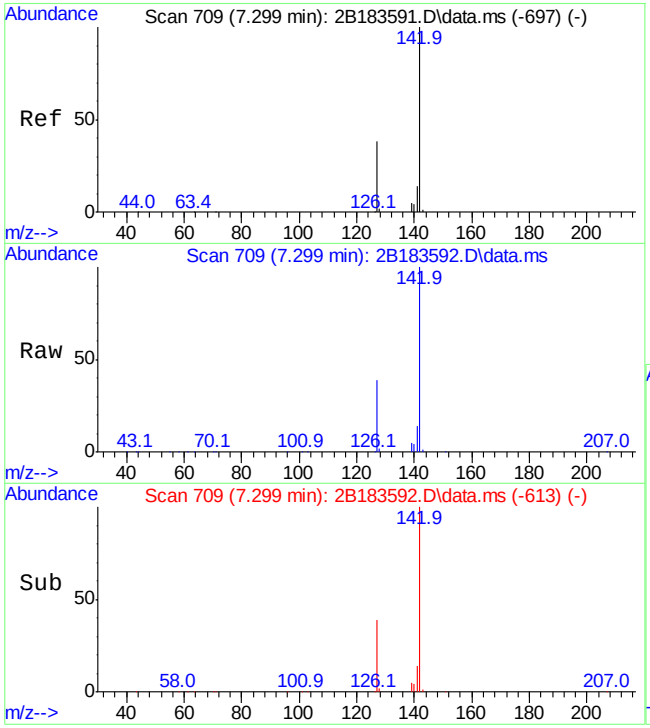


#19
acetonitrile
Concen: 978.69 ug/L
RT: 7.451 min Scan# 738
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 41 Resp: 272663

Ion	Ratio	Lower	Upper
41	100		
40	53.0	21.2	81.2
39	20.1	0.0	51.1

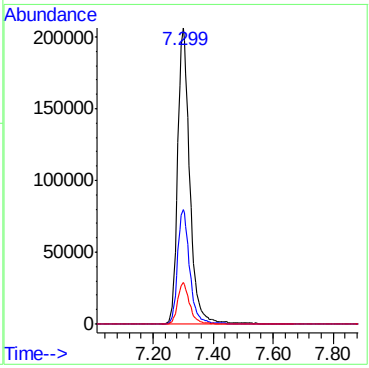


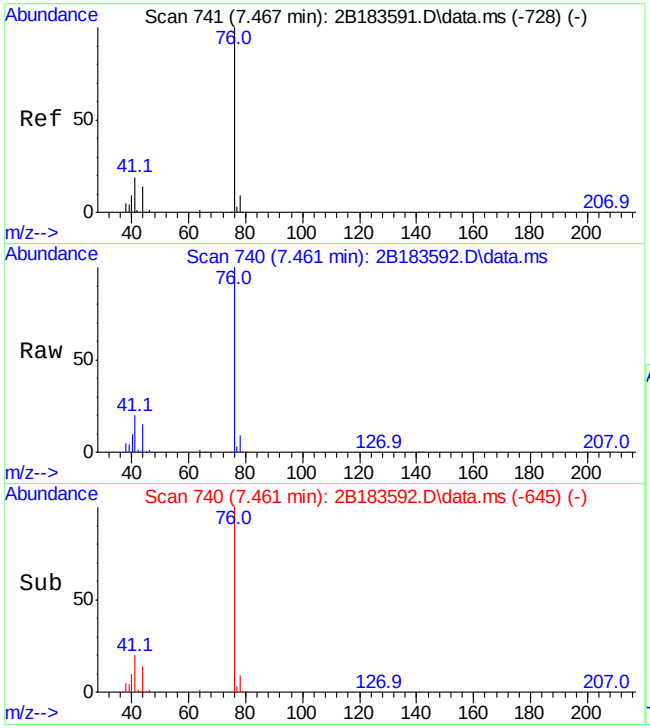


#20
iodomethane
Concen: 99.35 ug/L
RT: 7.299 min Scan# 709
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:142 Resp: 577705

Ion	Ratio	Lower	Upper
142	100		
127	38.7	8.2	68.2
141	14.0	0.0	43.6

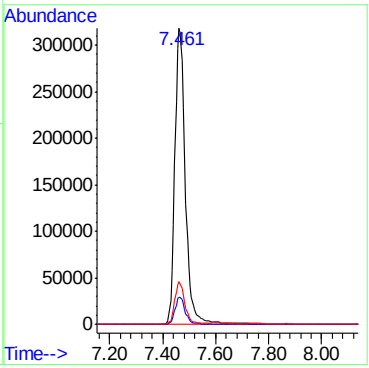


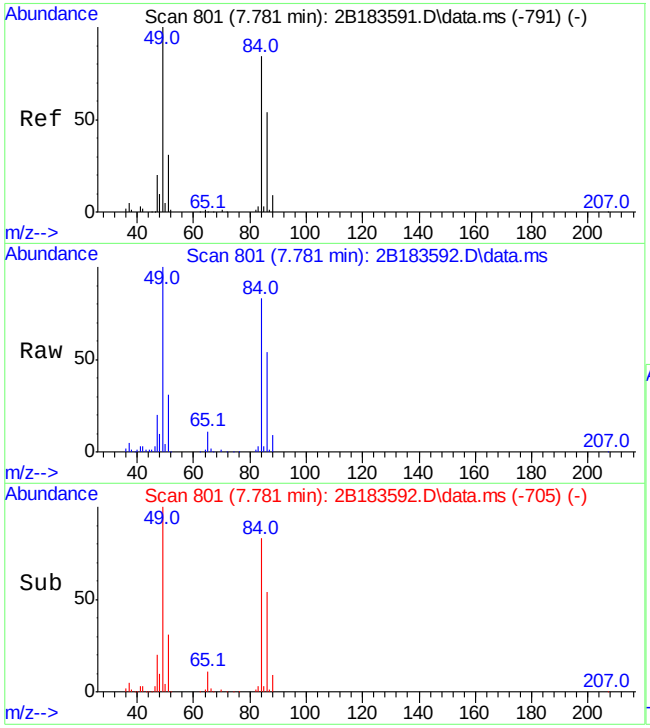


#21
carbon disulfide
Concen: 97.24 ug/L
RT: 7.461 min Scan# 740
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 76 Resp: 867466

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.2
44	14.5	0.0	44.1

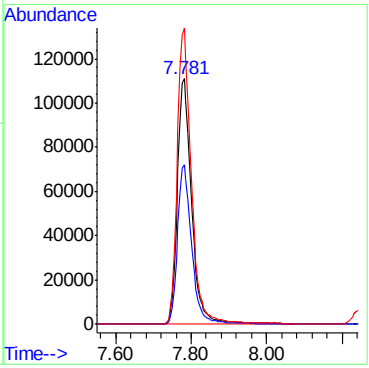


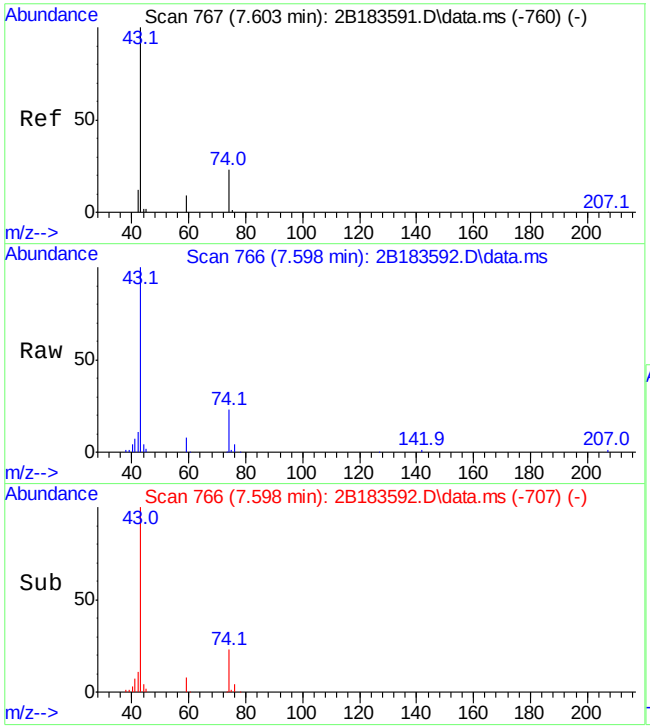


#22
methylene chloride
Concen: 103.08 ug/L
RT: 7.781 min Scan# 801
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 84 Resp: 289229

Ion	Ratio	Lower	Upper
84	100		
86	64.8	34.1	94.1
49	120.6	88.6	148.6

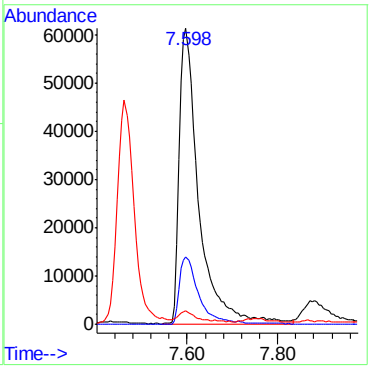


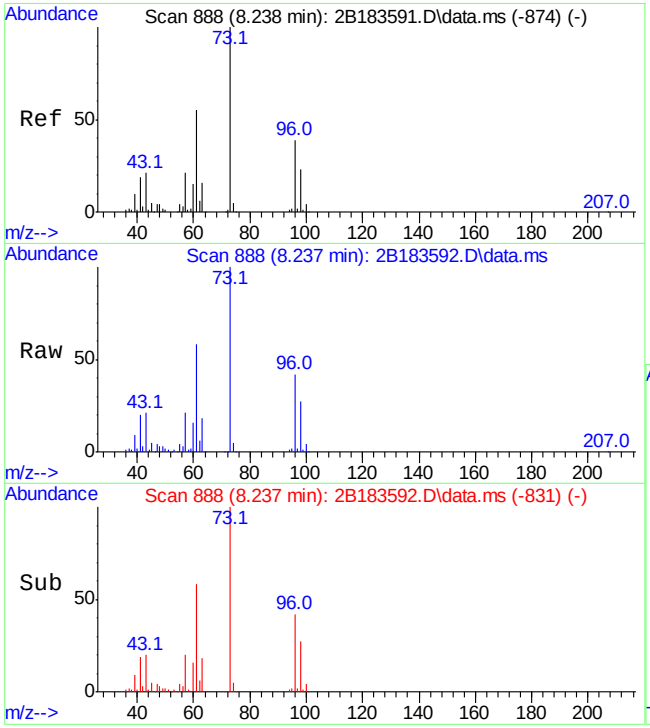


#23
methyl acetate
Concen: 108.14 ug/L
RT: 7.598 min Scan# 766
Delta R.T. 0.010 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 43 Resp: 184253

Ion	Ratio	Lower	Upper
43	100		
74	22.6	0.0	53.3
44	3.6	0.0	32.4

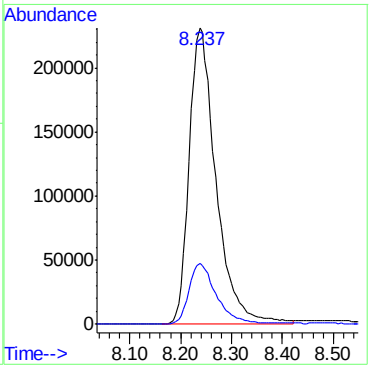


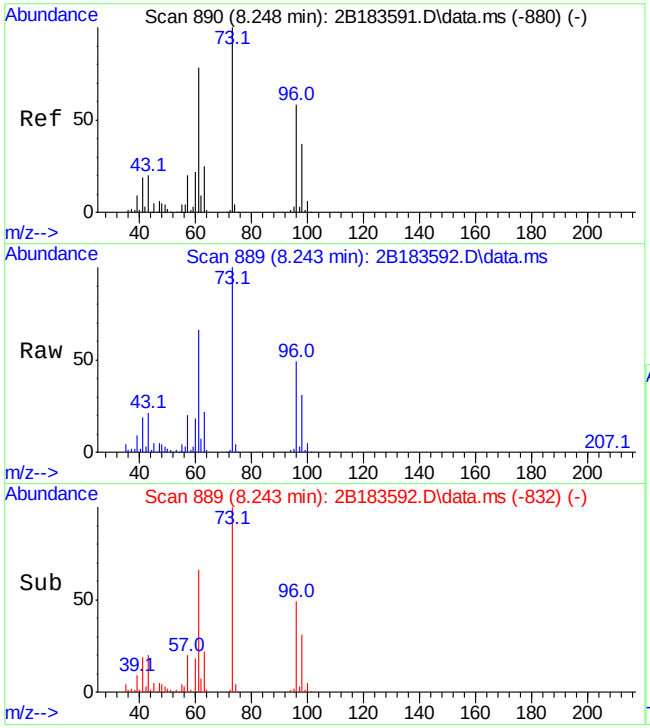


#24
methyl tert butyl ether
Concen: 101.03 ug/L
RT: 8.237 min Scan# 888
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 73 Resp: 848552

Ion	Ratio	Lower	Upper
73	100		
57	20.5	0.0	220.5

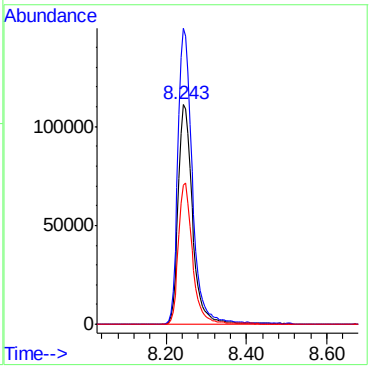


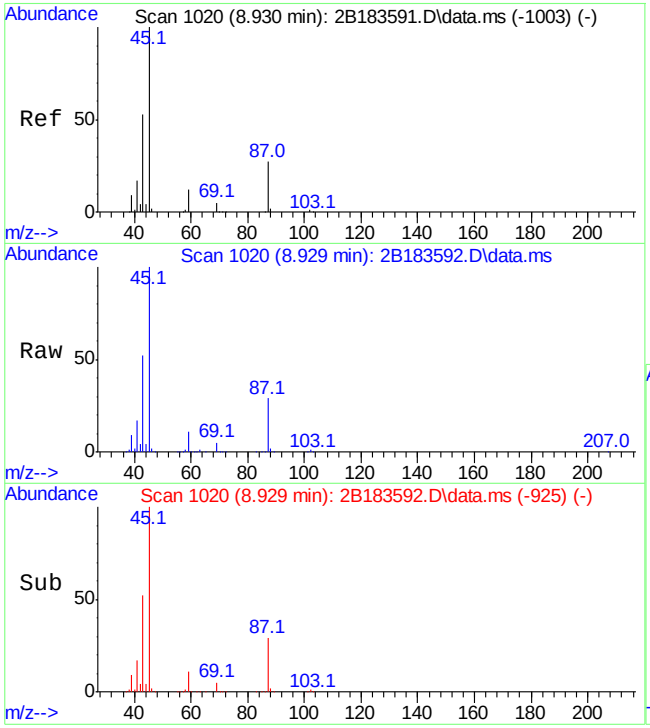


#25
trans-1,2-dichloroethene
Concen: 97.59 ug/L
RT: 8.243 min Scan# 889
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 96 Resp: 276506

Ion	Ratio	Lower	Upper
96	100		
61	134.5	103.8	163.8
98	63.1	34.0	94.0

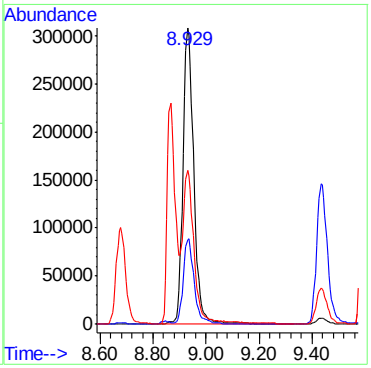


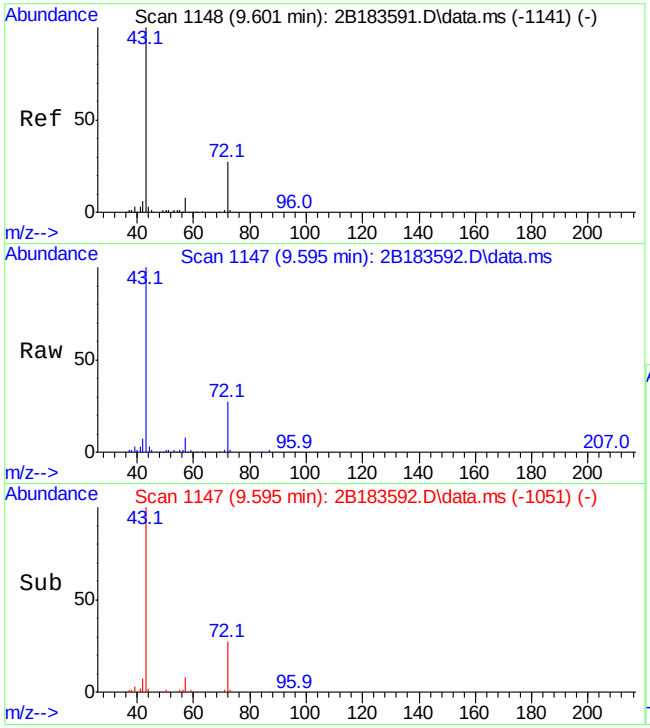


#26
di-isopropyl ether
Concen: 101.50 ug/L
RT: 8.929 min Scan# 1020
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 45 Resp: 868271

Ion	Ratio	Lower	Upper
45	100		
87	28.6	0.0	58.2
43	51.9	23.5	83.5

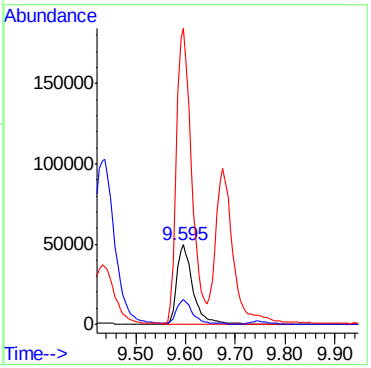


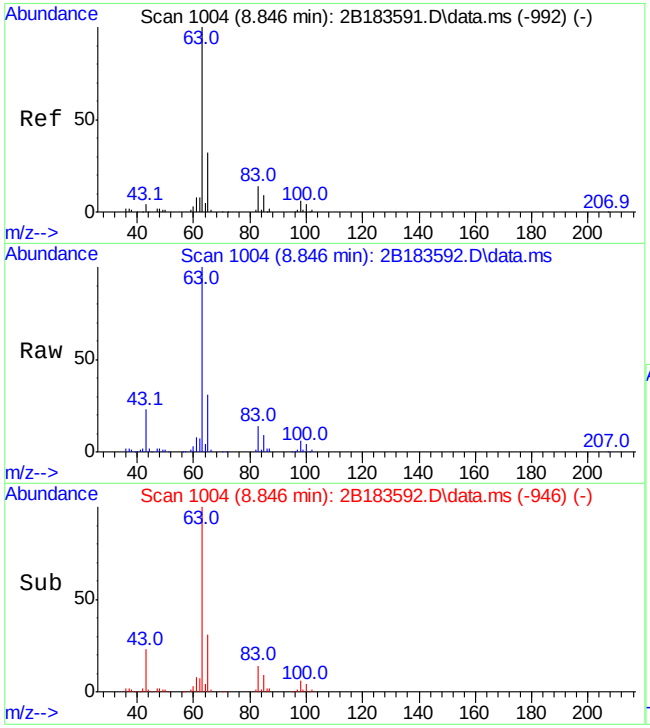


#27
2-butanone
Concen: 440.20 ug/L
RT: 9.595 min Scan# 1147
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 72 Resp: 111536

Ion	Ratio	Lower	Upper
72	100		
57	30.3	0.0	59.8
43	371.2	334.2	394.2

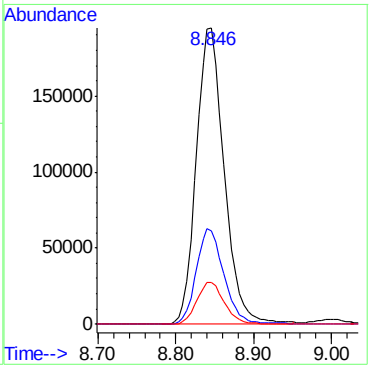


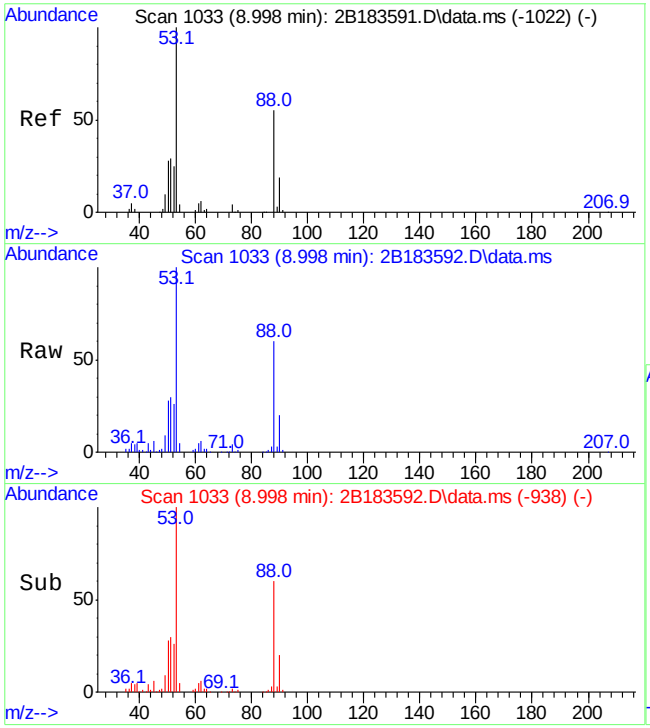


#28
1,1-dichloroethane
Concen: 101.36 ug/L
RT: 8.846 min Scan# 1004
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 63 Resp: 481965

Ion	Ratio	Lower	Upper
63	100		
65	31.5	2.1	62.1
83	14.2	0.0	44.4

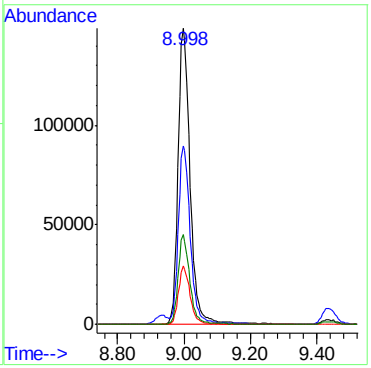


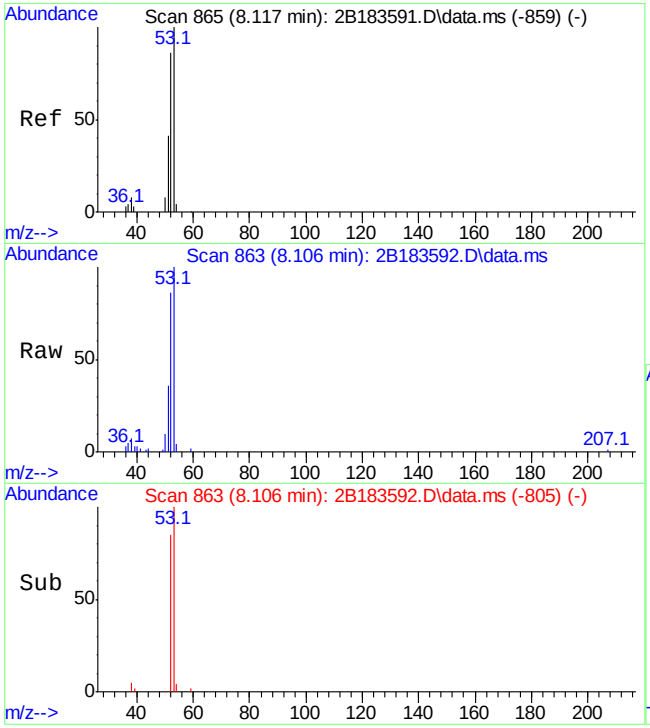


#29
chloroprene
Concen: 102.00 ug/L
RT: 8.998 min Scan# 1033
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 53 Resp: 374095

Ion	Ratio	Lower	Upper
53	100		
88	60.1	27.6	87.6
90	19.8	0.0	48.9
51	30.3	0.0	59.1

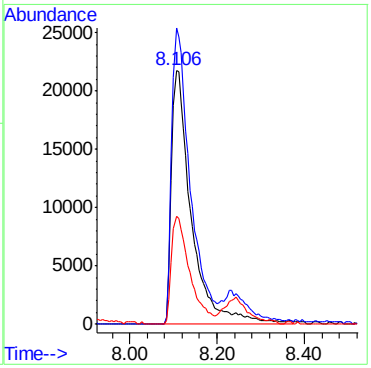


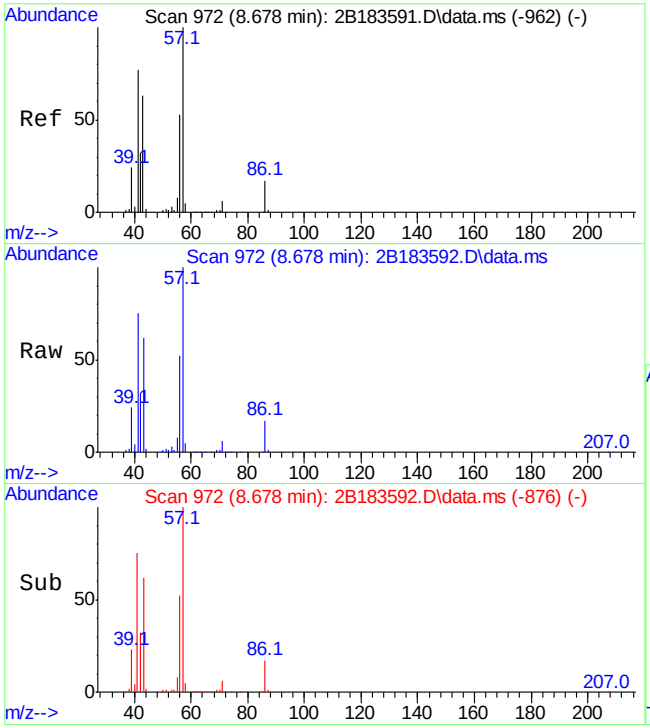


#30
acrylonitrile
Concen: 106.79 ug/L
RT: 8.106 min Scan# 863
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 52 Resp: 67559

Ion	Ratio	Lower	Upper
52	100		
53	116.6	86.6	146.6
51	42.3	17.8	77.8

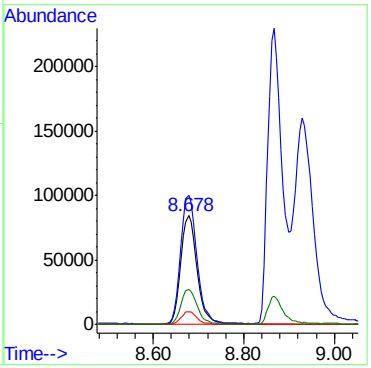


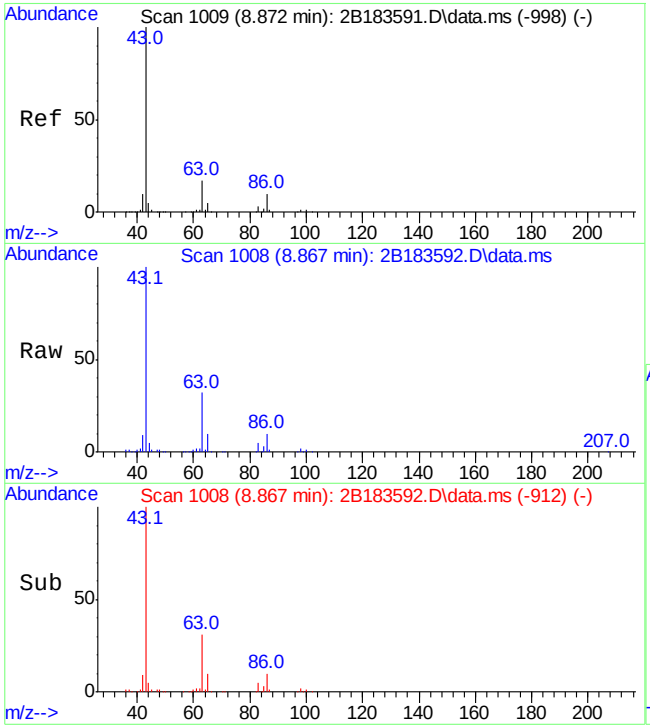


#31
hexane
Concen: 100.93 ug/L
RT: 8.678 min Scan# 972
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 56 Resp: 211303

Ion	Ratio	Lower	Upper
56	100		
43	118.7	99.4	139.4
71	12.0	0.0	31.0
86	32.2	12.3	52.3

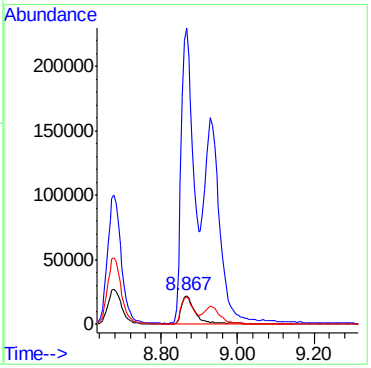


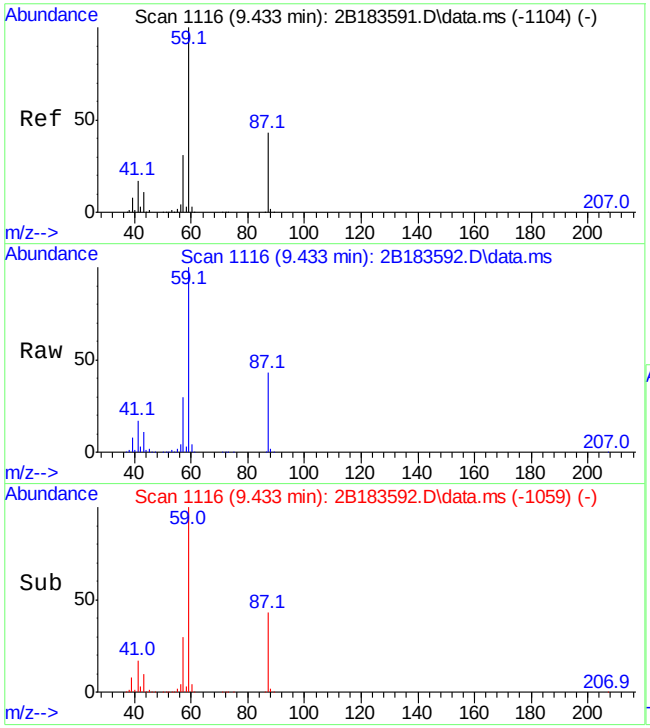


#32
vinyl acetate
Concen: 110.12 ug/L
RT: 8.867 min Scan# 1008
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 86 Resp: 56773

Ion	Ratio	Lower	Upper
86	100		
43	1046.2	981.3	1041.3#
42	95.0	66.4	126.4

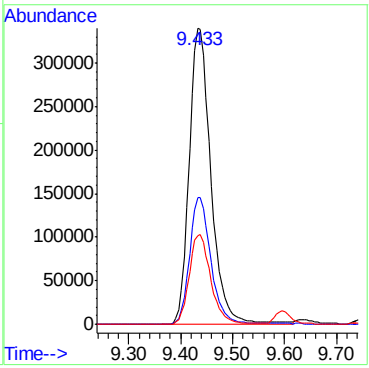


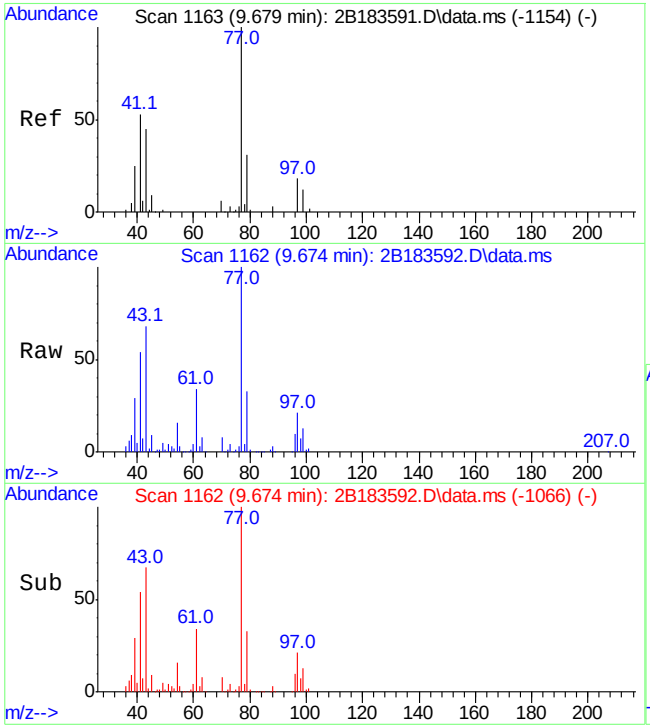


#33
ethyl tert-butyl ether
Concen: 105.75 ug/L
RT: 9.433 min Scan# 1116
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 59 Resp: 987699

Ion	Ratio	Lower	Upper
59	100		
87	43.0	12.7	72.7
57	30.1	0.9	60.9

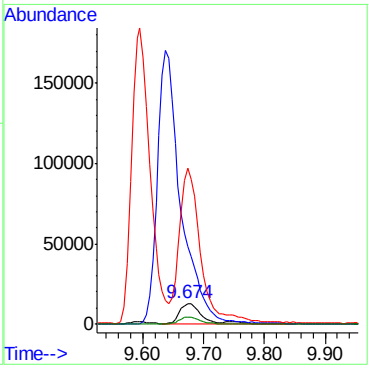


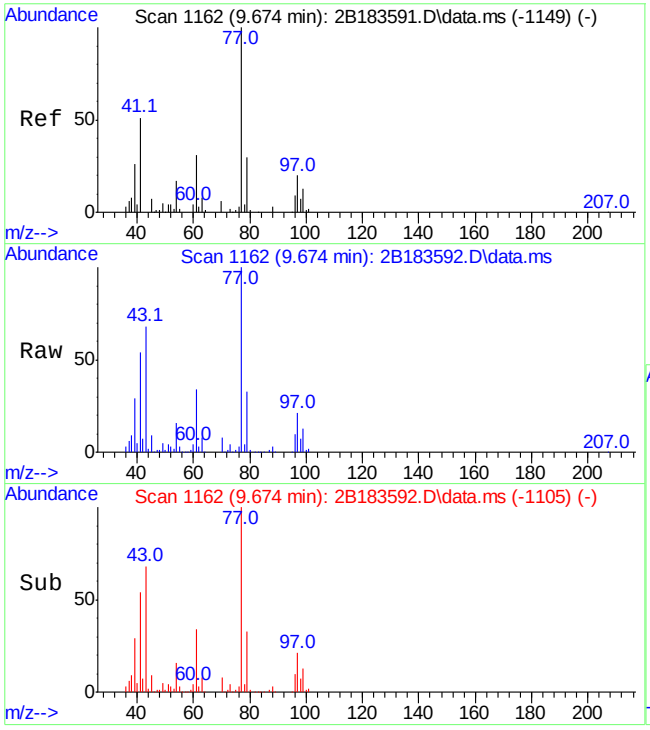


#34
ethyl acetate
Concen: 106.40 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 45 Resp: 33911

Ion	Ratio	Lower	Upper
45	100		
61	369.0	302.1	362.1#
43	737.6	653.2	713.2#
88	32.8	1.5	61.5

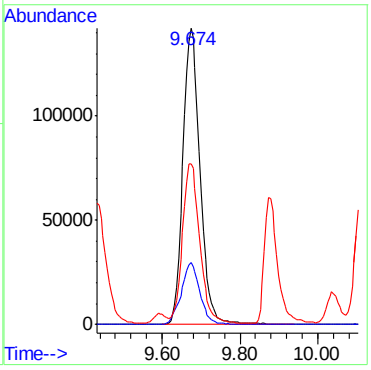


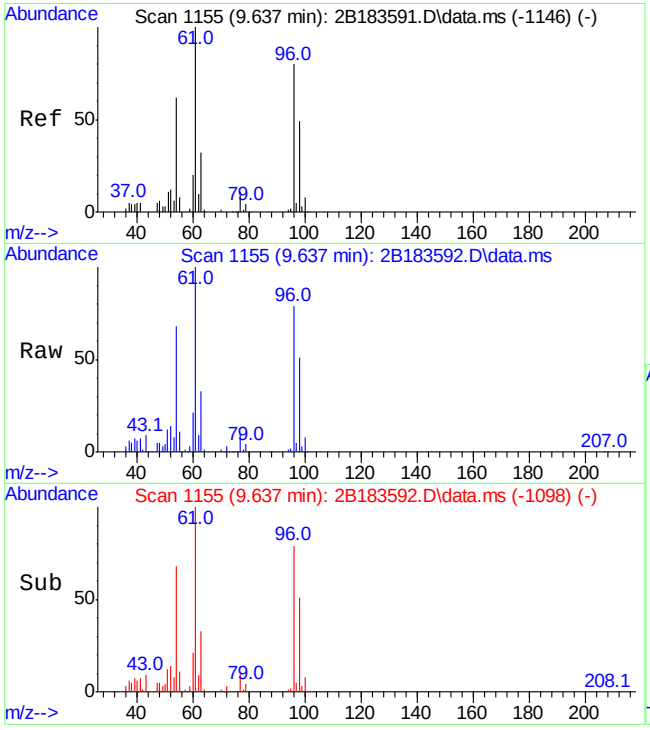


#35
2,2-dichloropropane
Concen: 95.94 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 77 Resp: 430461

Ion	Ratio	Lower	Upper
77	100		
97	20.9	0.0	50.3
41	51.7	20.8	80.8

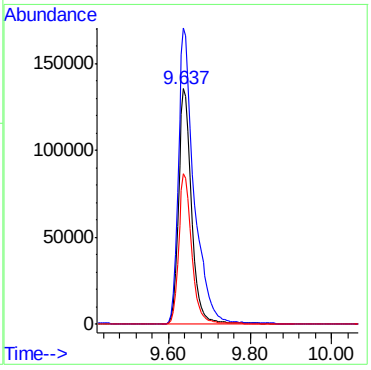


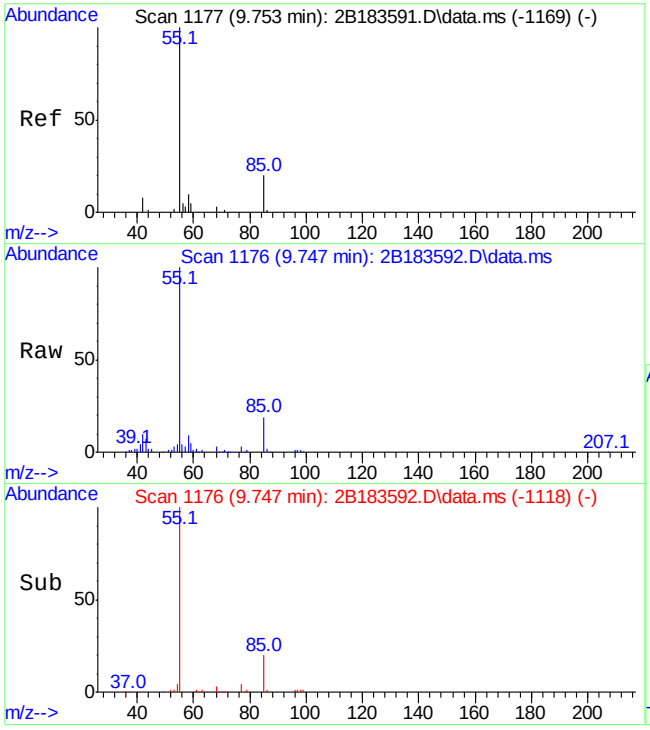


#36
cis-1,2-dichloroethene
Concen: 100.71 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 96 Resp: 302258

Ion	Ratio	Lower	Upper
96	100		
61	125.8	95.1	155.1
98	64.0	31.7	91.7

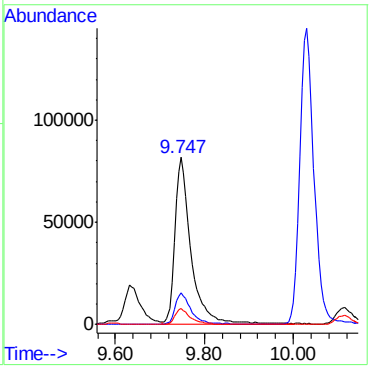


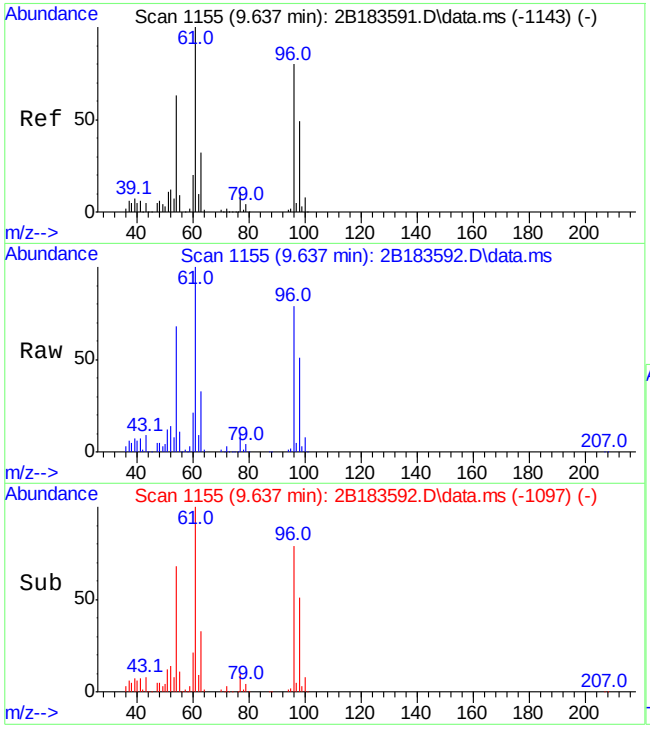


#37
methyl acrylate
Concen: 104.53 ug/L
RT: 9.747 min Scan# 1176
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 55 Resp: 208376

Ion	Ratio	Lower	Upper
55	100		
85	18.7	0.0	50.1
58	9.2	0.0	39.8

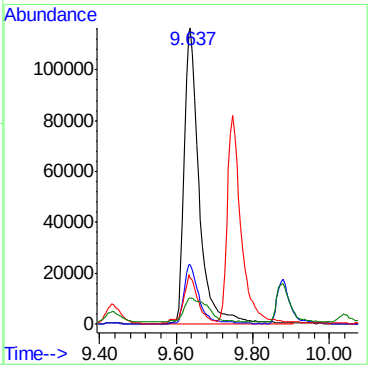


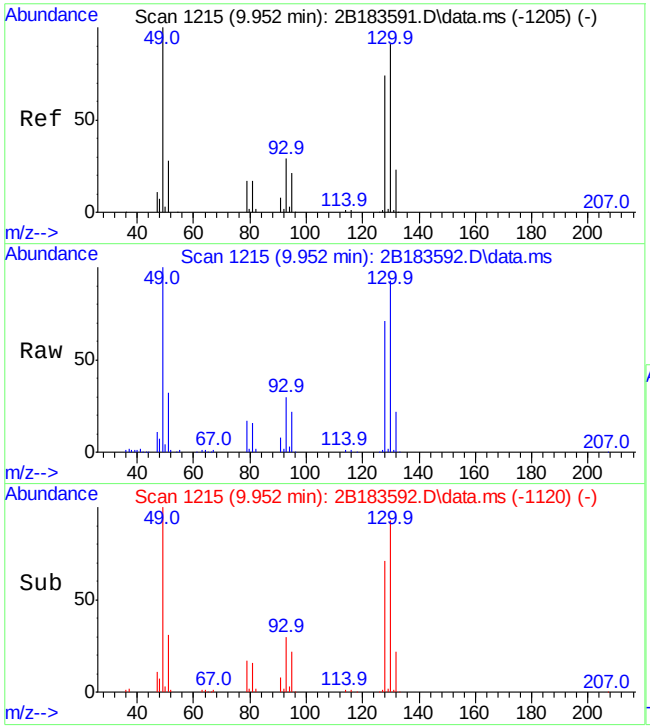


#38
propionitrile
Concen: 1044.40 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 54 Resp: 316840

Ion	Ratio	Lower	Upper
54	100		
52	19.9	0.0	49.6
55	15.3	0.0	44.7
40	8.1	0.0	37.8

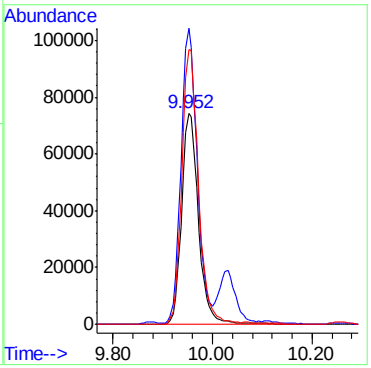


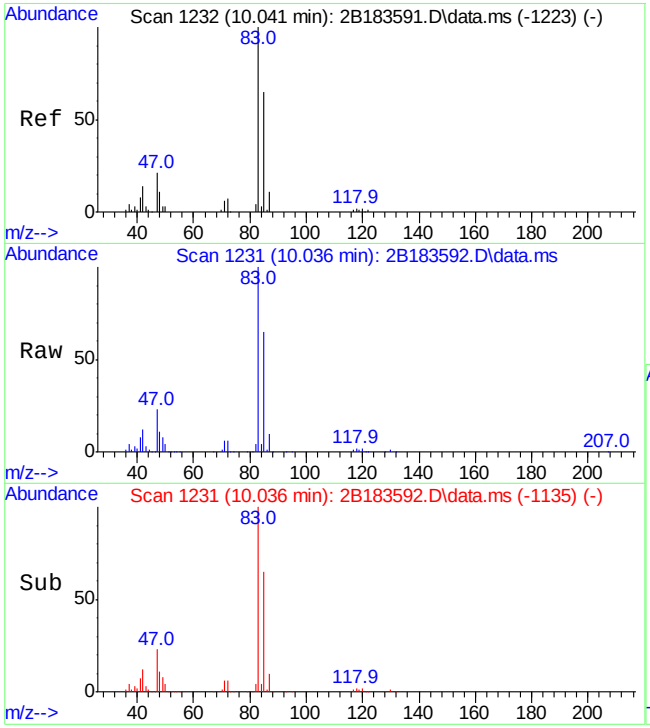


#39
bromochloromethane
Concen: 101.93 ug/L
RT: 9.952 min Scan# 1215
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:128 Resp: 174044

Ion	Ratio	Lower	Upper
128	100		
49	139.9	105.9	165.9
130	130.3	93.4	153.4

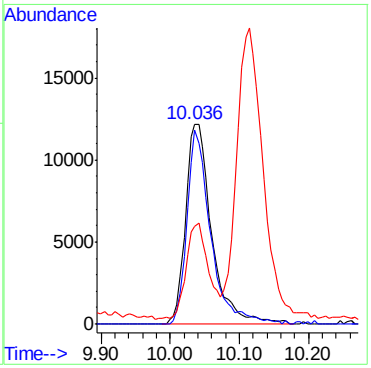


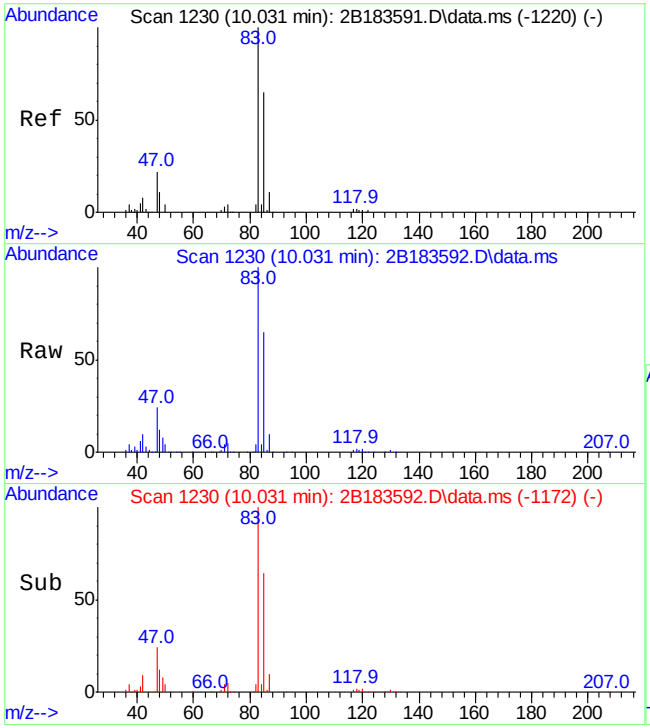


#40
tetrahydrofuran
Concen: 107.75 ug/L
RT: 10.036 min Scan# 1231
Delta R.T. 0.001 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 72 Resp: 31878

Ion	Ratio	Lower	Upper
72	100		
71	96.8	58.8	118.8
43	46.0	15.1	75.1

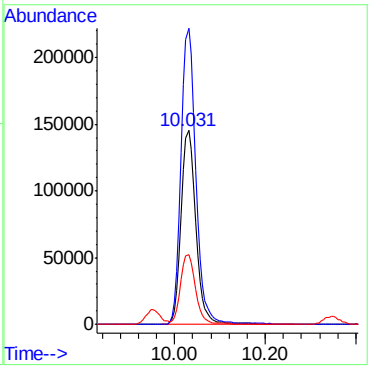


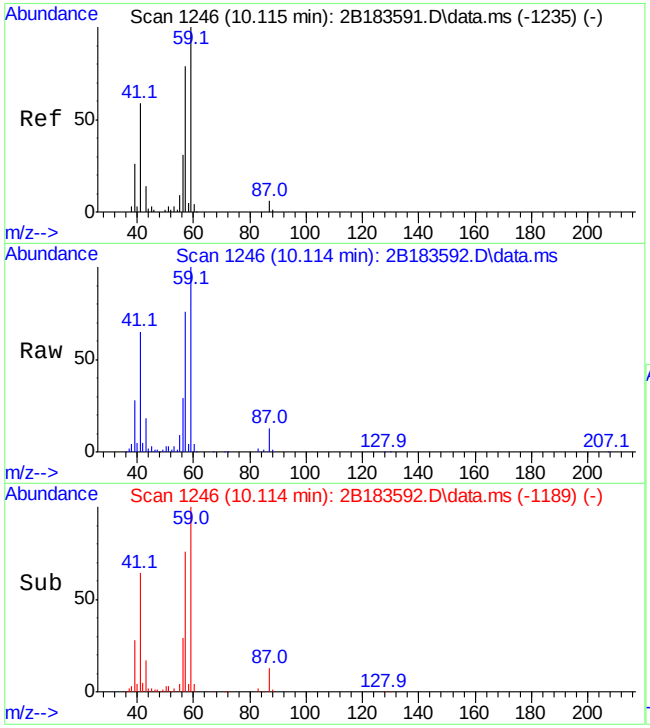


#41
chloroform
Concen: 94.63 ug/L
RT: 10.031 min Scan# 1230
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 85 Resp: 327723

Ion	Ratio	Lower	Upper
85	100		
83	153.0	123.5	183.5
47	36.1	6.5	66.5

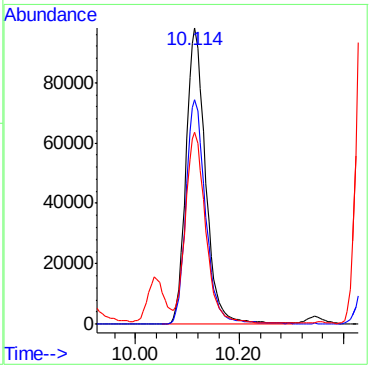


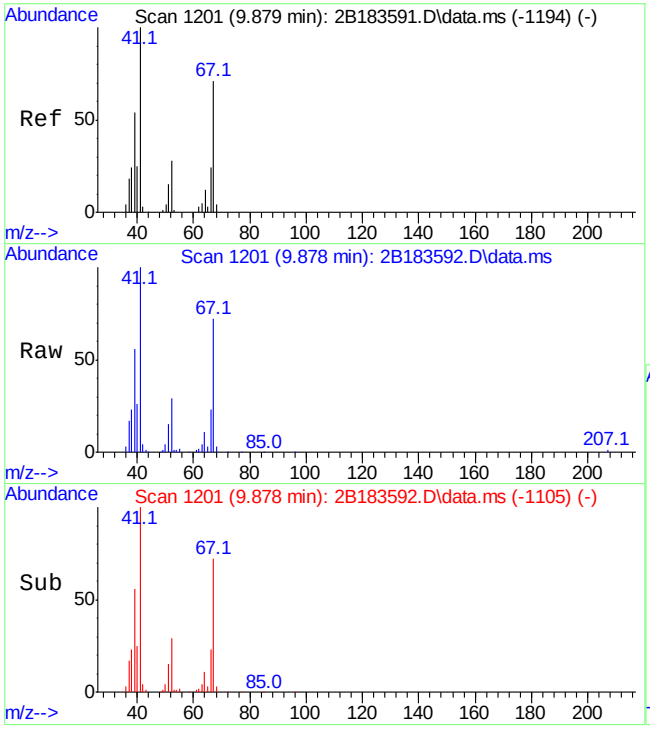


#42
t-butyl formate
Concen: 110.09 ug/L
RT: 10.114 min Scan# 1246
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 59 Resp: 256209

Ion	Ratio	Lower	Upper
59	100		
57	75.6	48.9	108.9
41	64.5	39.1	99.1

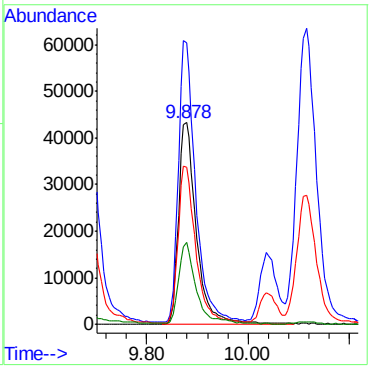


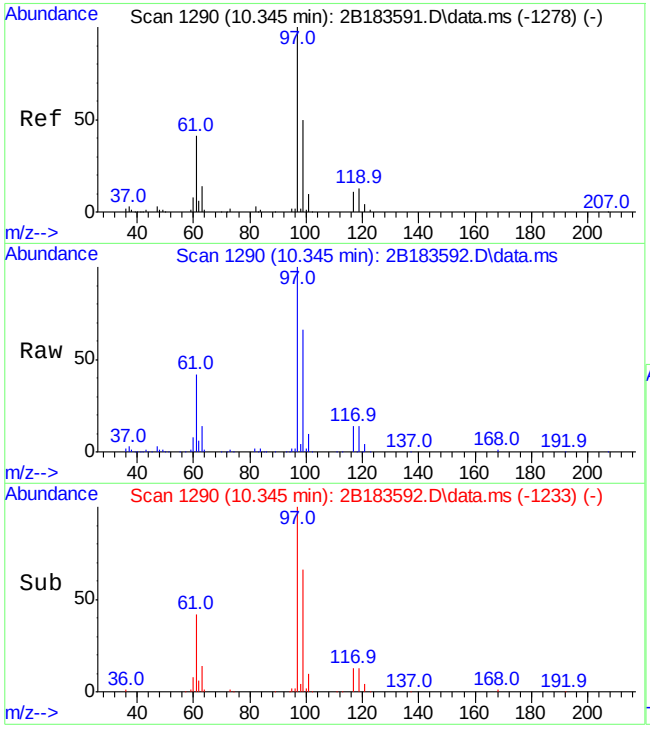


#44
methacrylonitrile
Concen: 108.98 ug/L
RT: 9.878 min Scan# 1201
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 67 Resp: 106570

Ion	Ratio	Lower	Upper
67	100		
41	138.2	110.7	170.7
39	77.2	46.4	106.4
52	39.9	9.9	69.9

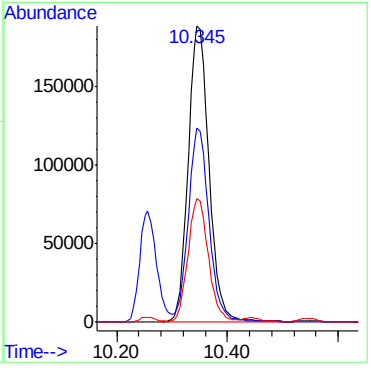


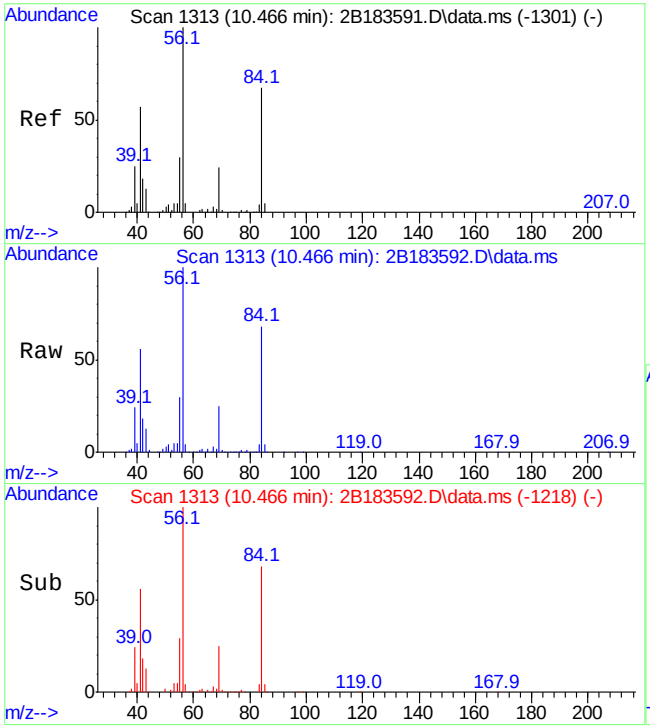


#45
1,1,1-trichloroethane
Concen: 105.55 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 97 Resp: 491610

Ion	Ratio	Lower	Upper
97	100		
99	65.5	36.0	96.0
61	41.6	12.1	72.1

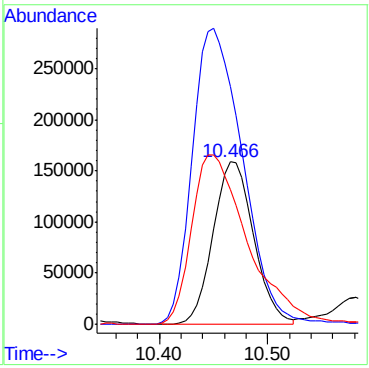


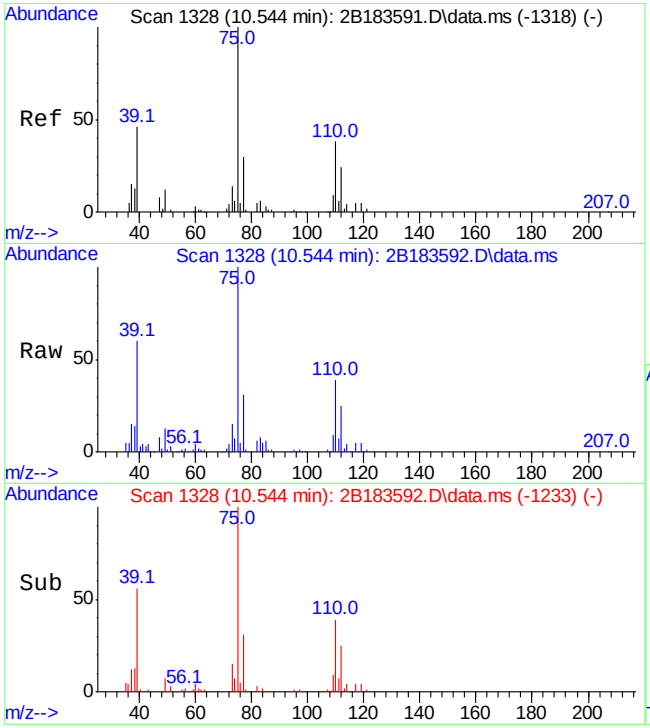


#46
cyclohexane
Concen: 101.02 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 84 Resp: 417712

Ion	Ratio	Lower	Upper
84	100		
56	145.1	130.0	170.0
41	81.8	65.8	105.8

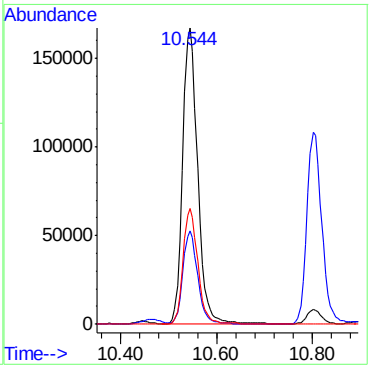


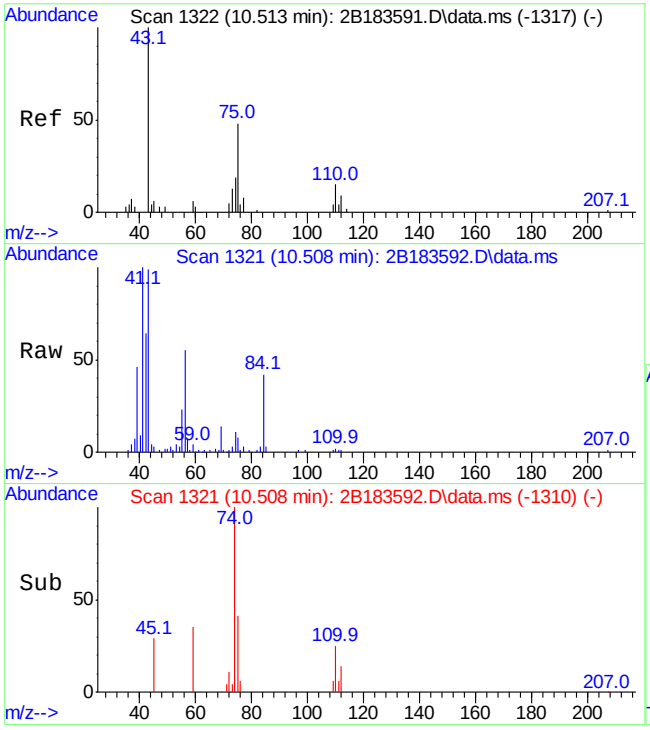


#47
1,1-dichloropropene
Concen: 100.69 ug/L
RT: 10.544 min Scan# 1328
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 75 Resp: 364724

Ion	Ratio	Lower	Upper
75	100		
77	31.2	10.5	50.5
110	39.1	17.9	57.9

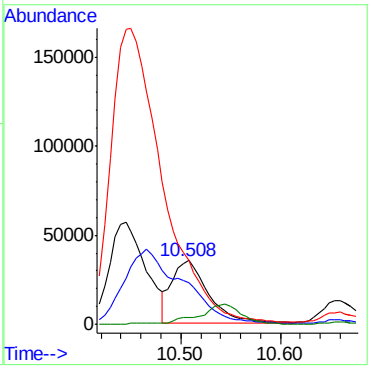


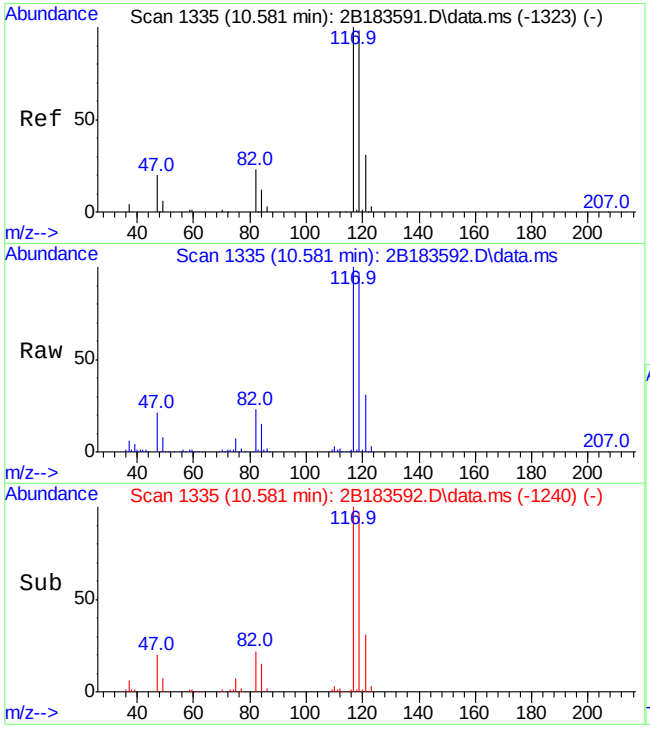


#48
iso-butyl alcohol
Concen: 1079.77 ug/L
RT: 10.508 min Scan# 1321
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 43 Resp: 88648

Ion	Ratio	Lower	Upper
43	100		
42	64.5	36.5	96.5
41	99.8	64.7	124.7
74	10.8	0.0	42.8

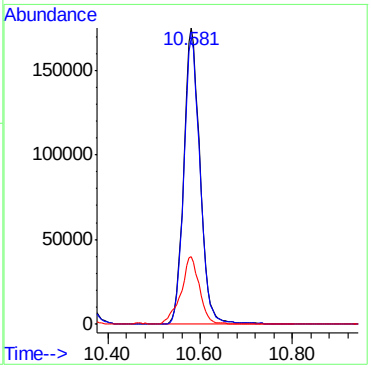


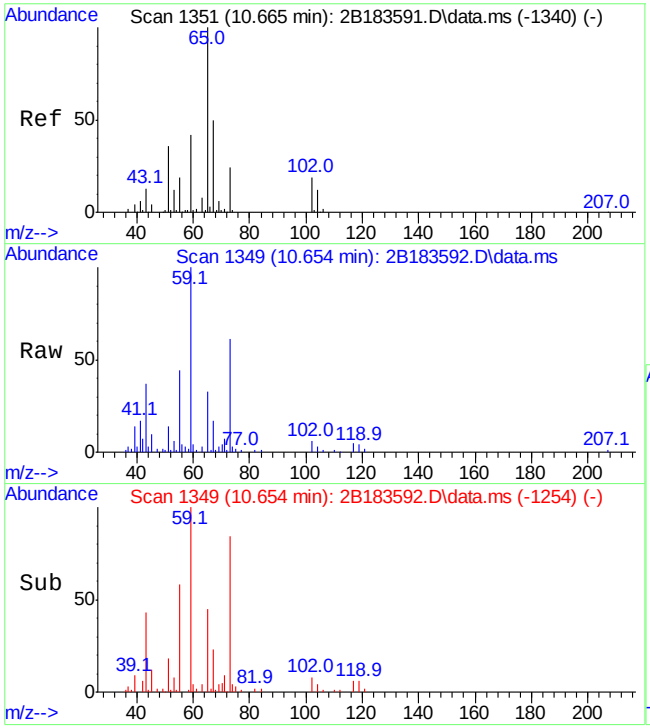


#49
carbon tetrachloride
Concen: 98.48 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:117 Resp: 429477

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.7	117.7
82	22.6	3.1	43.1

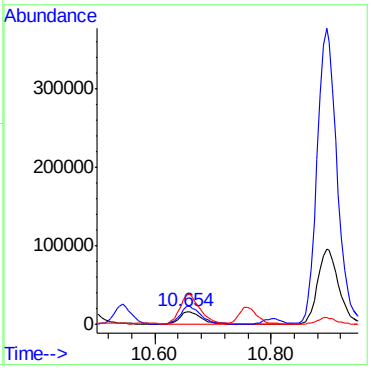


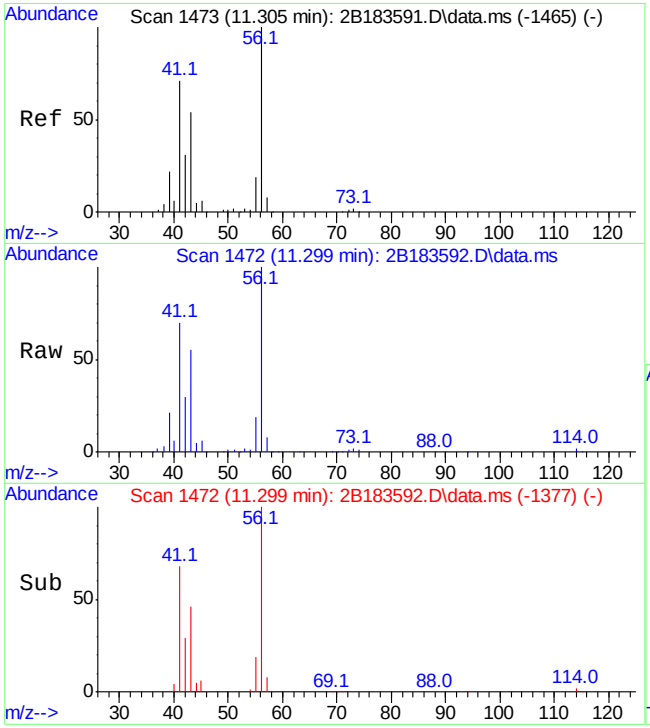


#50
tert amyl alcohol
Concen: 480.14 ug/L
RT: 10.654 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 55 Resp: 41456

Ion	Ratio	Lower	Upper
55	100		
73	136.2	98.8	158.8
59	225.2	191.9	251.9

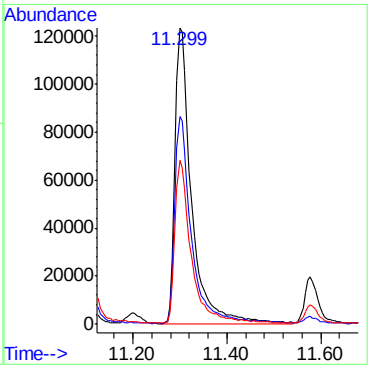


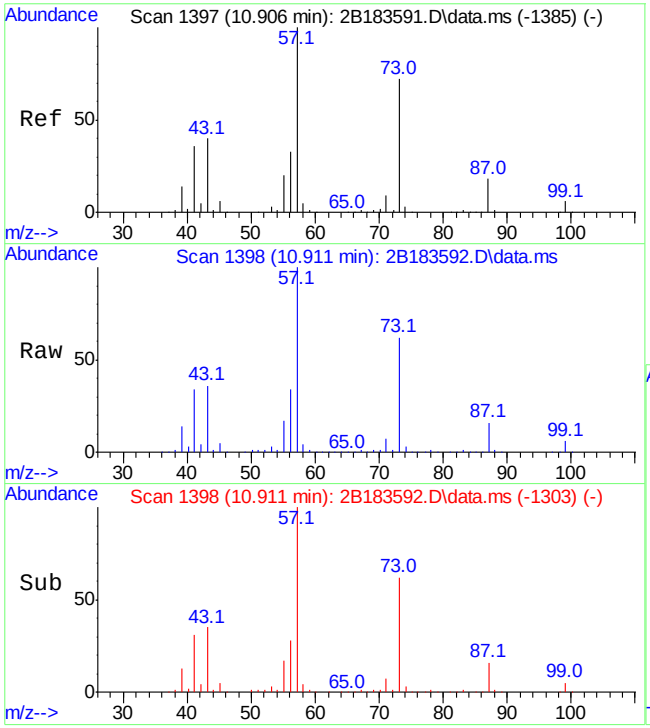


#53
n-butyl alcohol
Concen: 5092.09 ug/L
RT: 11.299 min Scan# 1472
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 56 Resp: 301306

Ion	Ratio	Lower	Upper
56	100		
41	69.9	40.8	100.8
43	55.0	24.4	84.4

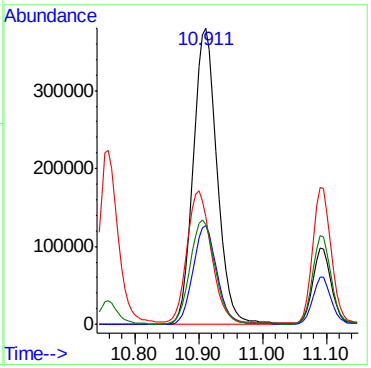


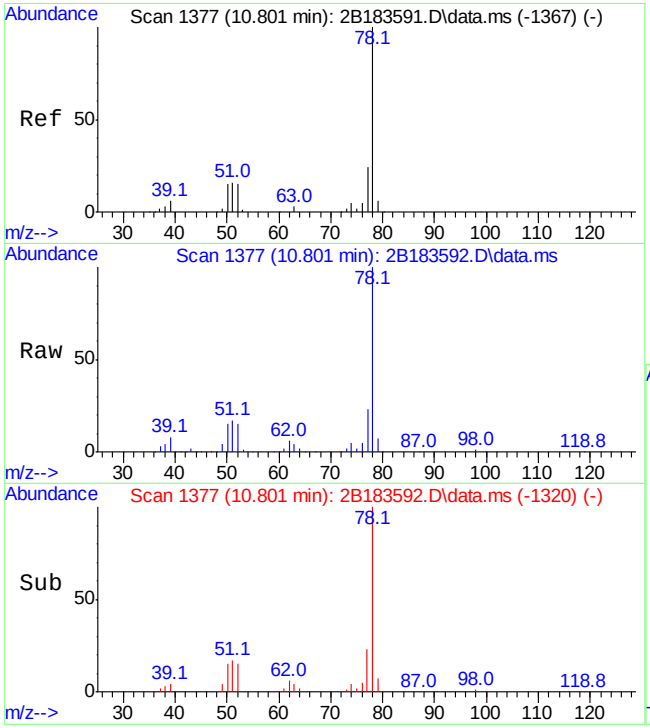


#54
2,2,4-trimethylpentane
Concen: 99.94 ug/L
RT: 10.911 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 57 Resp: 980262

Ion	Ratio	Lower	Upper
57	100		
56	33.5	3.5	63.5
43	36.0	10.7	70.7
41	33.7	5.5	65.5

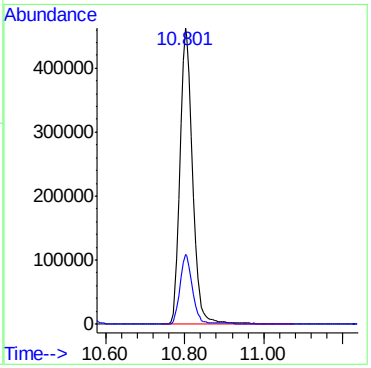


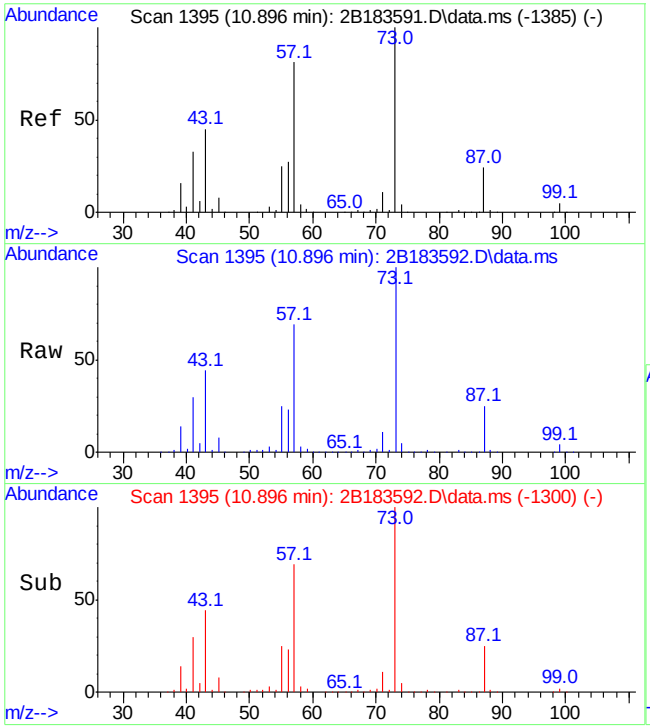


#55
benzene
Concen: 98.85 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 78 Resp: 1024313

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	53.9

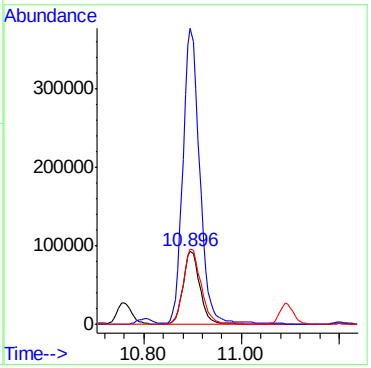


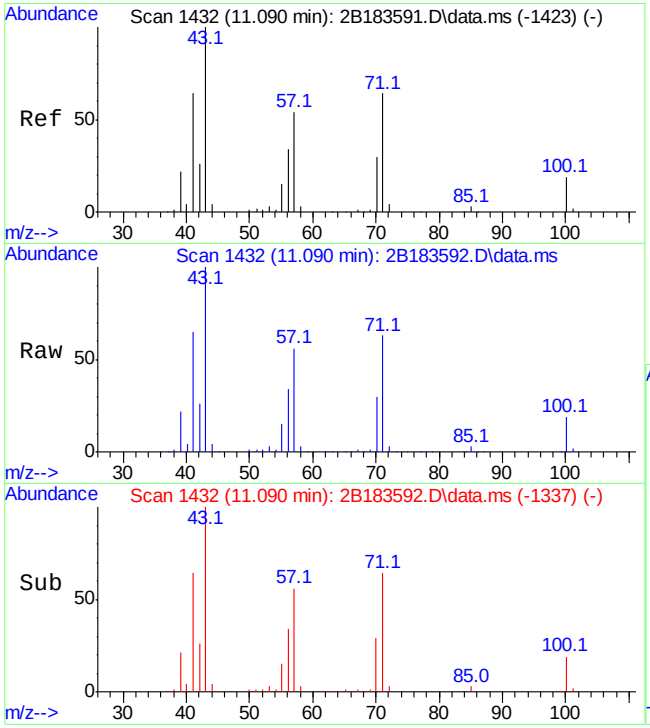


#56
tert-amyl methyl ether
Concen: 100.62 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 87 Resp: 225288

Ion	Ratio	Lower	Upper
87	100		
73	404.2	377.9	437.9
55	102.8	73.1	133.1

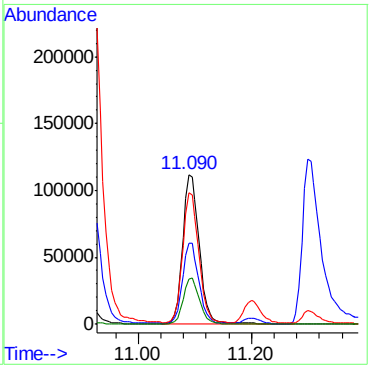


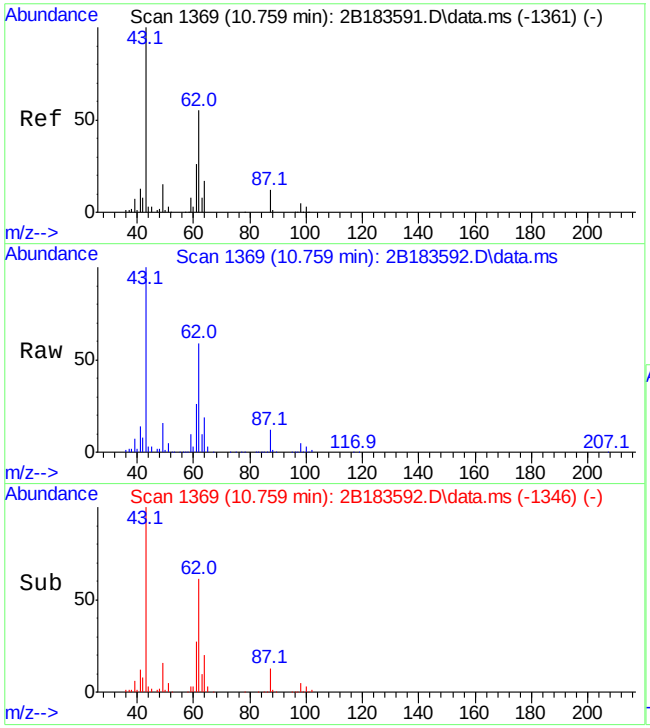


#57
heptane
Concen: 102.86 ug/L
RT: 11.090 min Scan# 1432
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 71 Resp: 227419

Ion	Ratio	Lower	Upper
71	100		
56	53.6	23.2	83.2
57	87.2	54.9	114.9
100	30.2	0.0	59.2

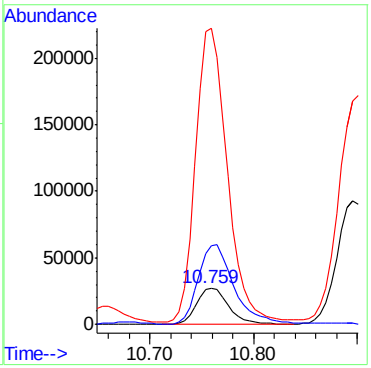


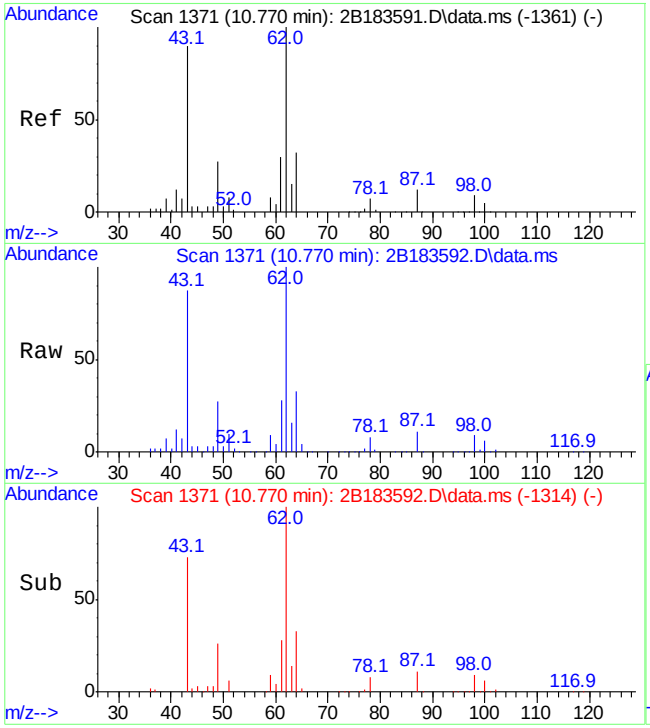


#58
isopropyl acetate
Concen: 105.78 ug/L
RT: 10.759 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 87 Resp: 58468

Ion	Ratio	Lower	Upper
87	100		
61	215.6	185.0	245.0
43	815.7	799.1	859.1

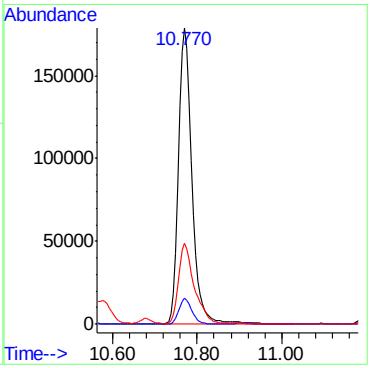


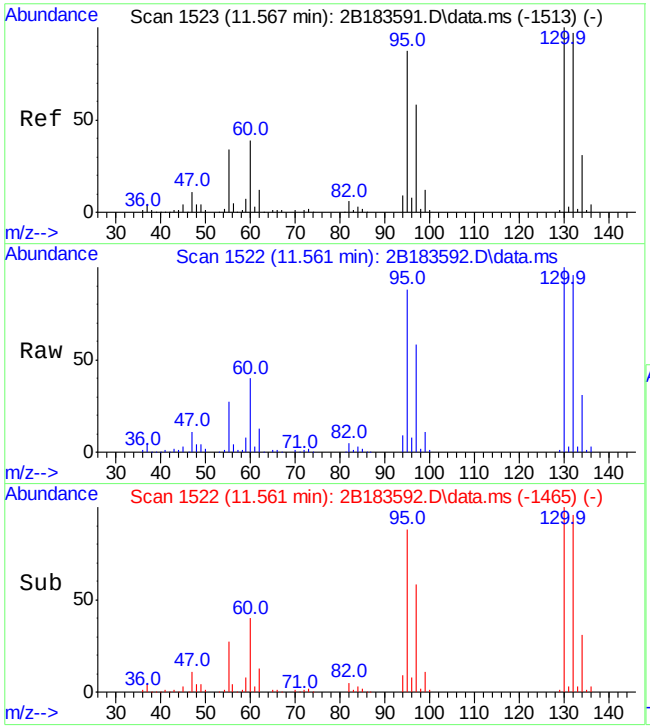


#59
1,2-dichloroethane
Concen: 99.10 ug/L
RT: 10.770 min Scan# 1371
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 62 Resp: 392477

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	39.0
49	27.2	0.0	56.8

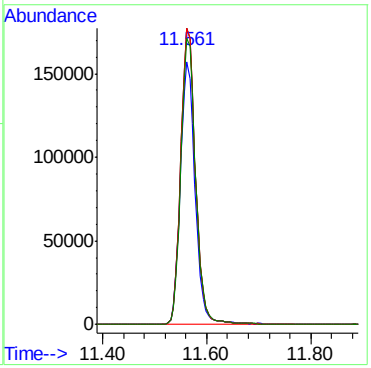


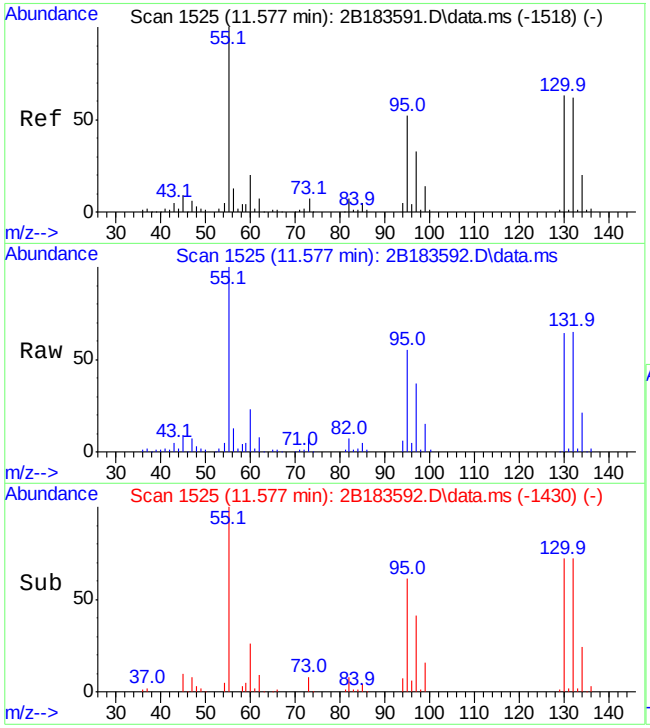


#60
trichloroethene
Concen: 103.92 ug/L
RT: 11.561 min Scan# 1522
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:130 Resp: 350625

Ion	Ratio	Lower	Upper
130	100		
95	88.5	56.8	116.8
130	100.0	70.0	130.0
132	96.5	67.2	127.2

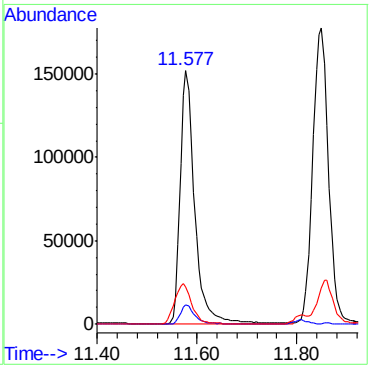


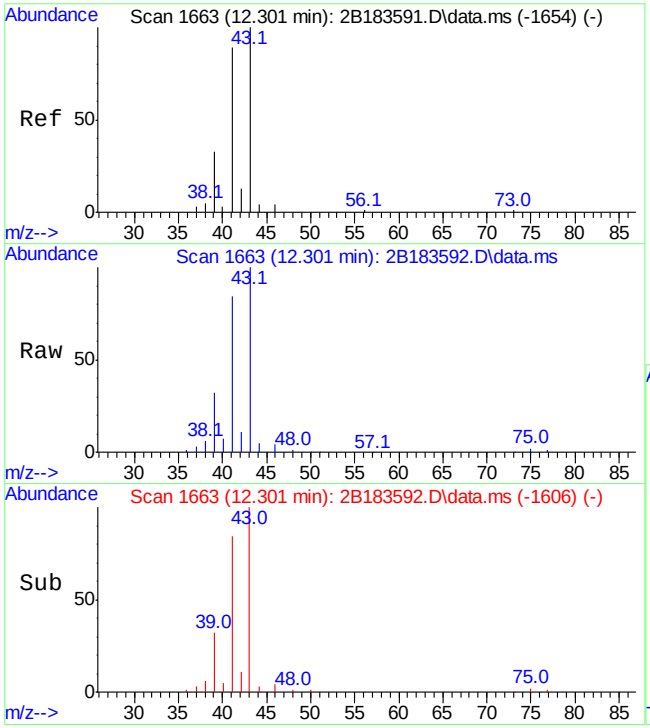


#61
ethyl acrylate
Concen: 107.38 ug/L
RT: 11.577 min Scan# 1525
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 55 Resp: 308417

Ion	Ratio	Lower	Upper
55	100		
73	7.5	0.0	27.3
99	14.3	0.0	34.6

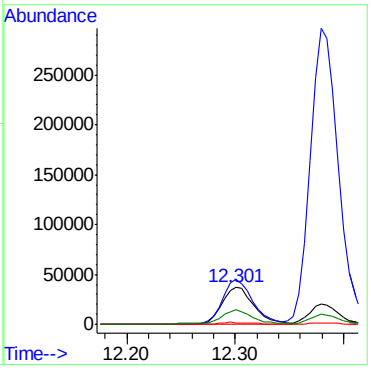


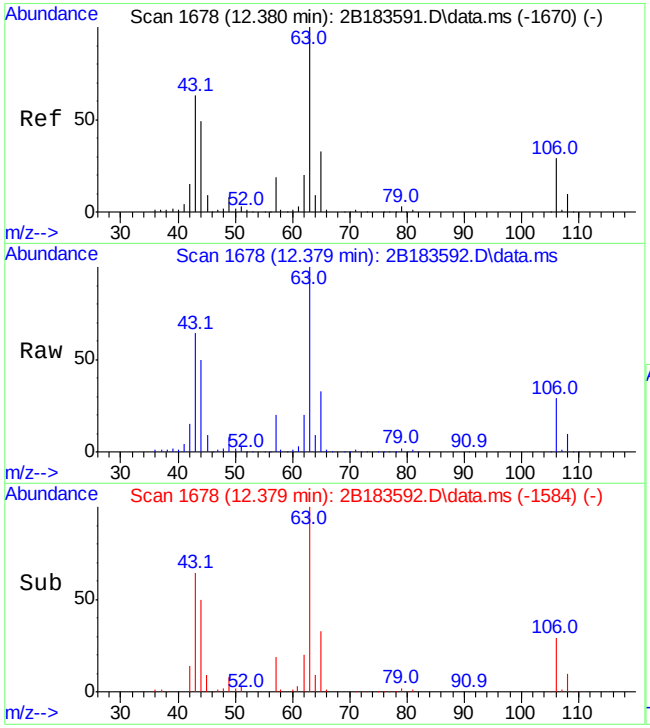


#62
2-nitropropane
Concen: 102.72 ug/L
RT: 12.301 min Scan# 1663
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 41 Resp: 75678

Ion	Ratio	Lower	Upper
41	100		
43	119.3	92.9	132.9
46	4.7	0.0	24.8
39	38.4	17.1	57.1

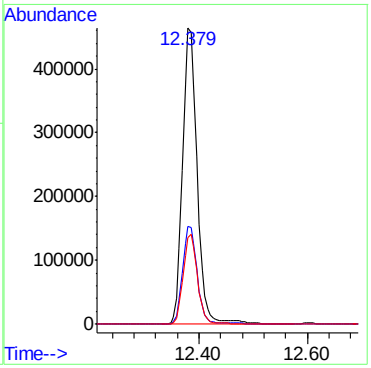


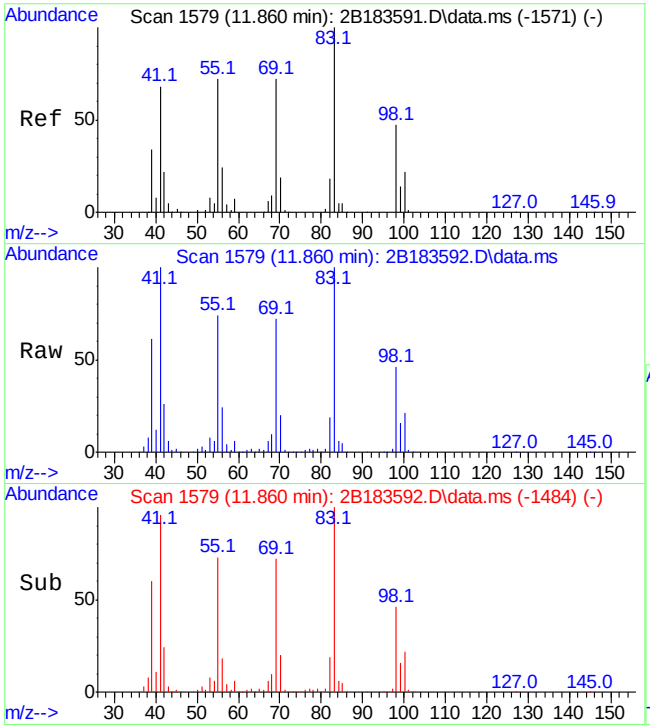


#63
2-chloroethyl vinyl ether
Concen: 525.83 ug/L
RT: 12.379 min Scan# 1678
Delta R.T. -0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 63 Resp: 864894

Ion	Ratio	Lower	Upper
63	100		
65	33.2	2.7	62.7
106	29.4	0.0	59.0

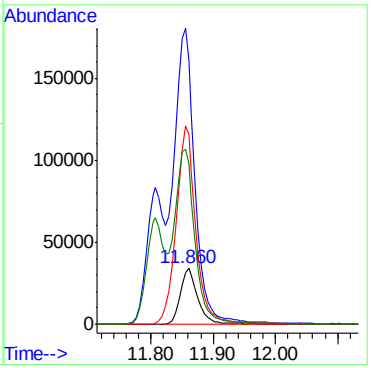


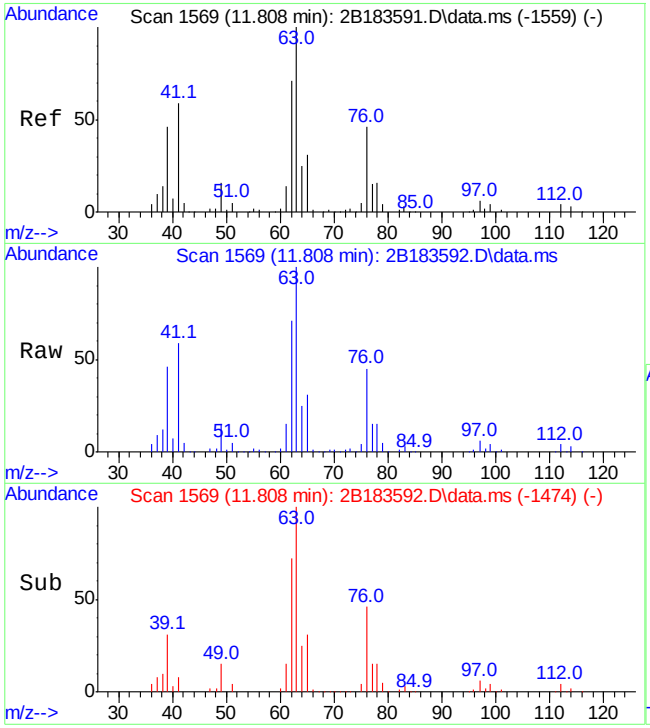


#64
methyl methacrylate
Concen: 107.03 ug/L
RT: 11.860 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:100 Resp: 69006

Ion	Ratio	Lower	Upper
100	100		
41	464.0	492.5	552.5#
69	332.7	314.6	374.6
39	281.4	285.7	345.7#

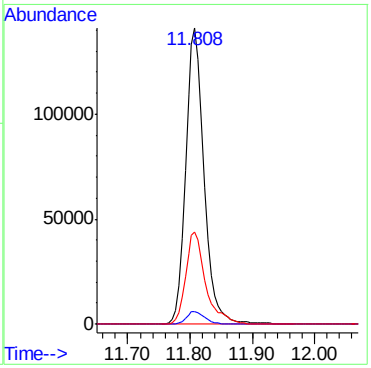


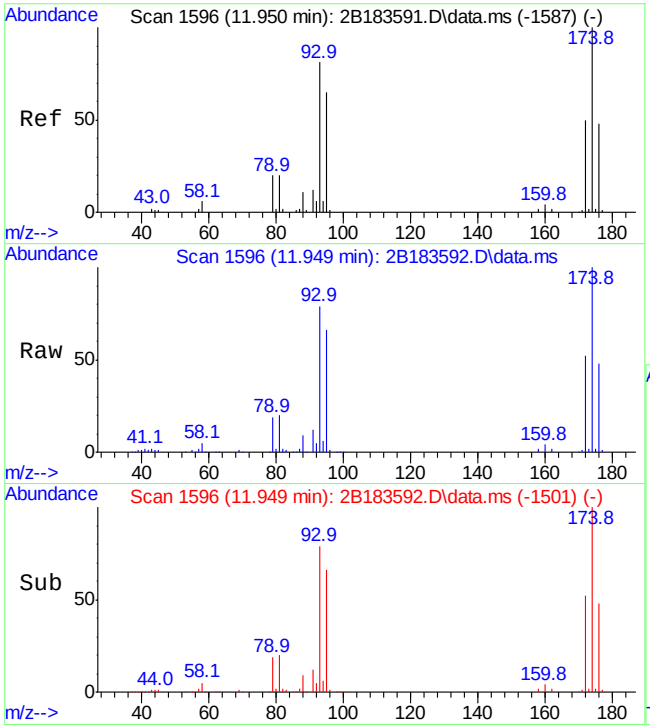


#65
1,2-dichloropropane
Concen: 103.82 ug/L
RT: 11.808 min Scan# 1569
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 63 Resp: 291018

Ion	Ratio	Lower	Upper
63	100		
112	4.4	0.0	33.9
65	31.0	1.3	61.3

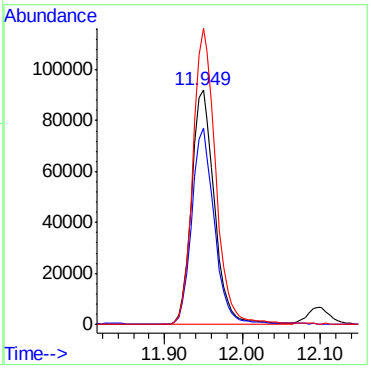


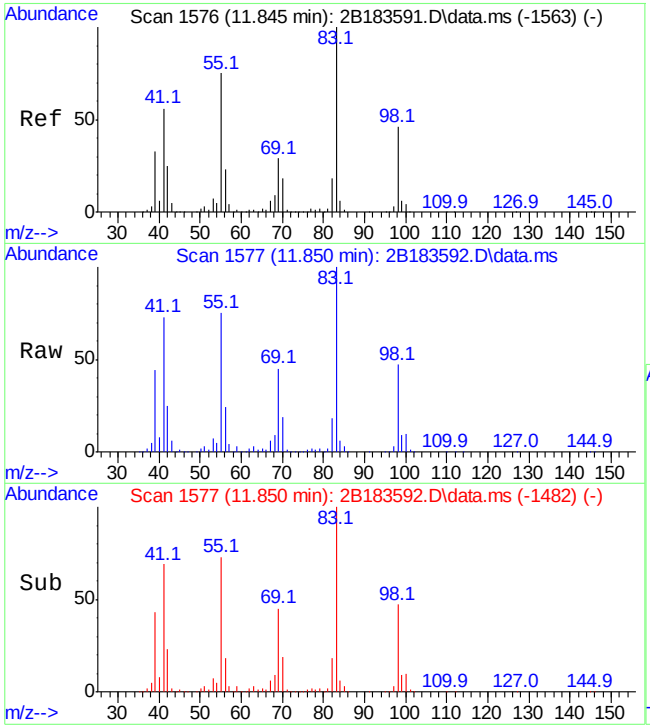


#66
dibromomethane
Concen: 99.64 ug/L
RT: 11.949 min Scan# 1596
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 93 Resp: 186499

Ion	Ratio	Lower	Upper
93	100		
95	83.8	50.5	110.5
174	126.5	94.1	154.1

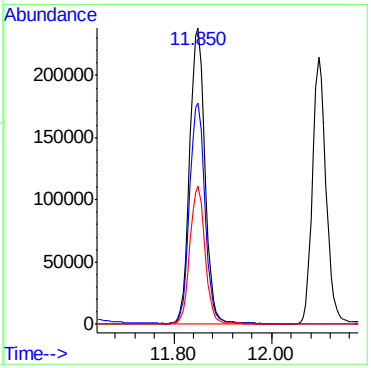


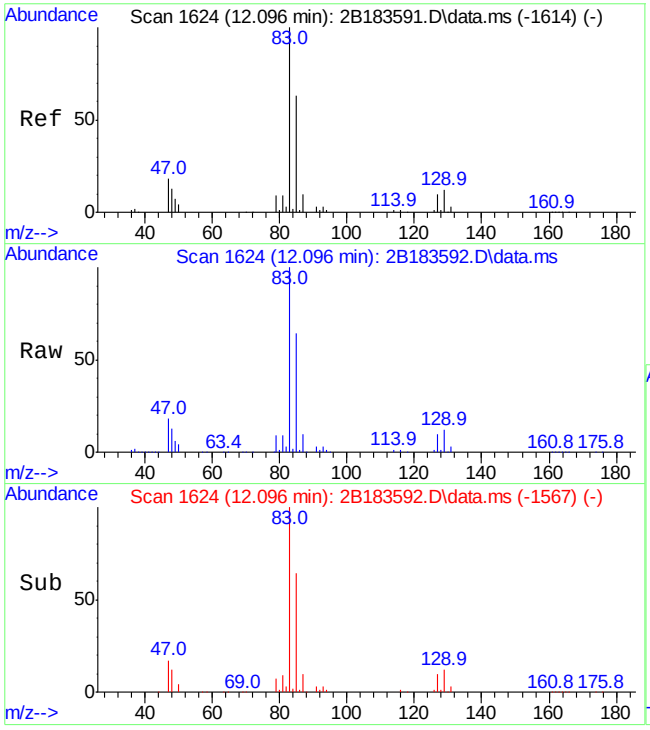


#67
methylcyclohexane
Concen: 98.92 ug/L
RT: 11.850 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 83 Resp: 518874

Ion	Ratio	Lower	Upper
83	100		
55	74.5	45.5	105.5
98	46.8	15.7	75.7

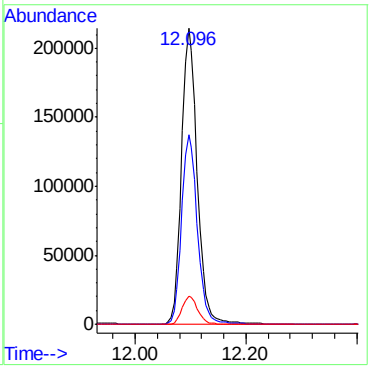


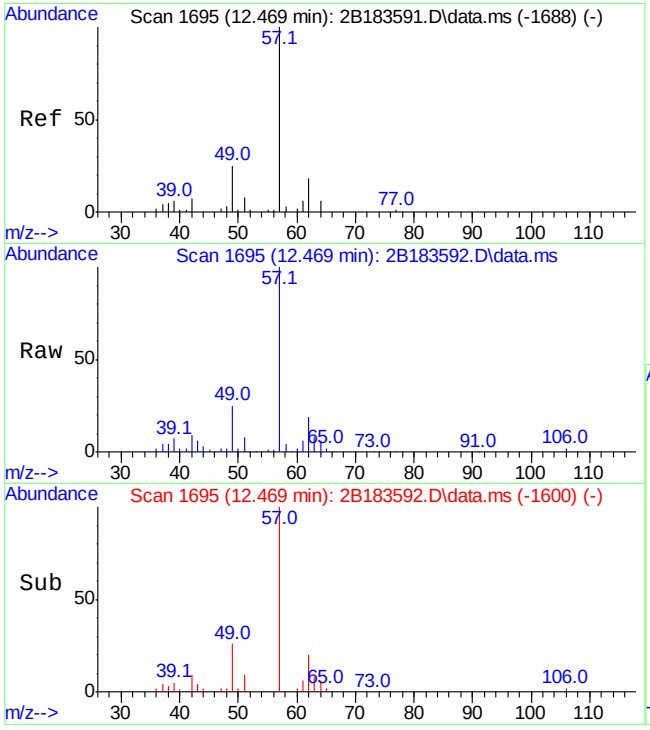


#68
bromodichloromethane
Concen: 105.88 ug/L
RT: 12.096 min Scan# 1624
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 83 Resp: 421430

Ion	Ratio	Lower	Upper
83	100		
85	63.9	33.2	93.2
127	9.7	0.0	39.5

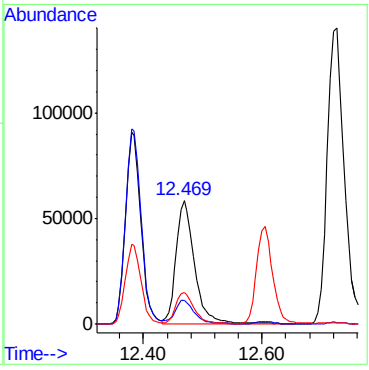


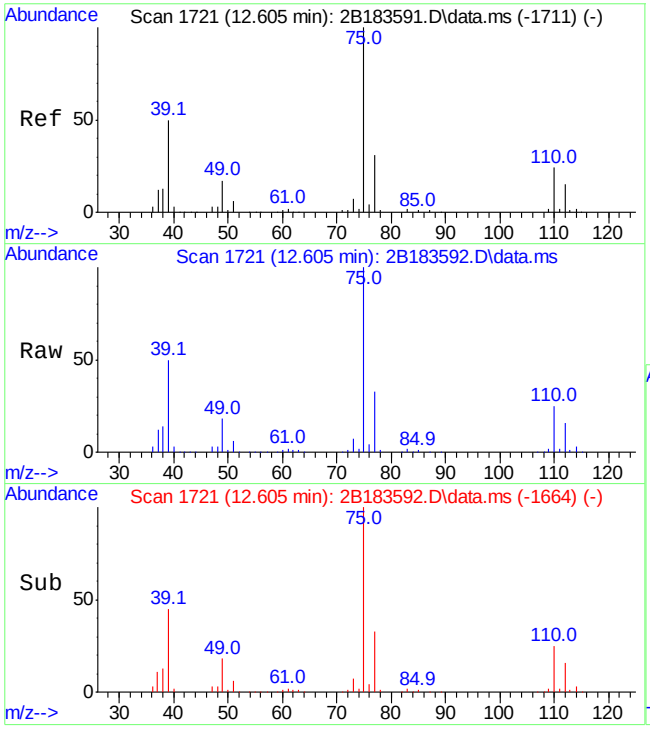


#69
epichlorohydrin
Concen: 513.35 ug/L
RT: 12.469 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 57 Resp: 127953

Ion	Ratio	Lower	Upper
57	100		
62	19.2	0.4	40.4
49	24.0	4.3	44.3

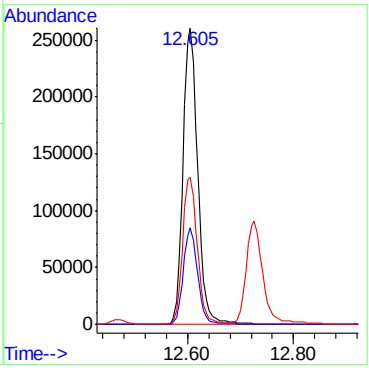


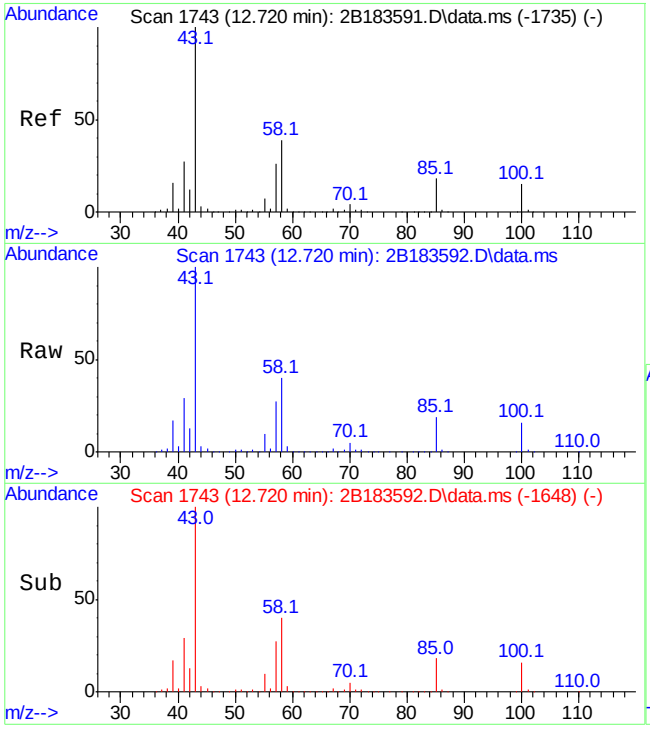


#70
cis-1,3-dichloropropene
Concen: 106.27 ug/L
RT: 12.605 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 75 Resp: 501845

Ion	Ratio	Lower	Upper
75	100		
77	32.6	1.4	61.4
39	49.5	19.8	79.8

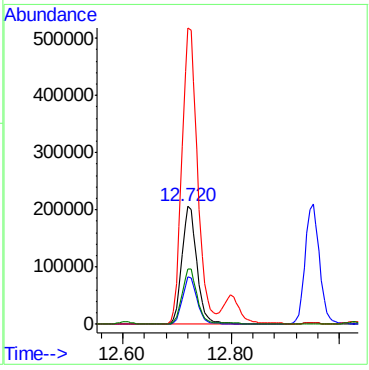


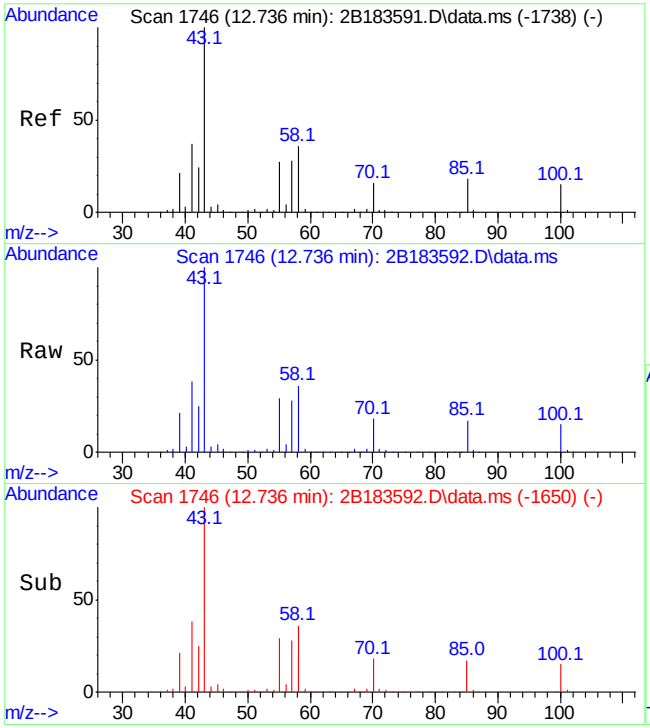


#71
4-methyl-2-pentanone
Concen: 410.55 ug/L
RT: 12.720 min Scan# 1743
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 58 Resp: 393647

Ion	Ratio	Lower	Upper
58	100		
100	39.4	8.6	68.6
43	250.0	223.3	283.3
85	46.4	16.6	76.6

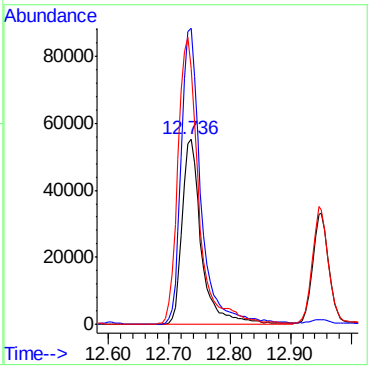


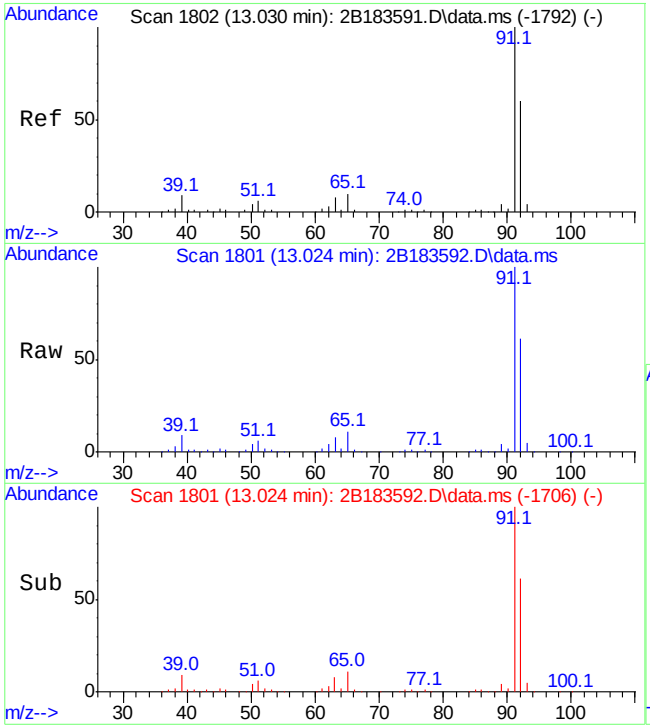


#72
3-methyl-1-butanol
Concen: 2121.53 ug/L
RT: 12.736 min Scan# 1746
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 70 Resp: 120827

Ion	Ratio	Lower	Upper
70	100		
55	159.7	138.6	198.6
42	137.3	117.3	177.3

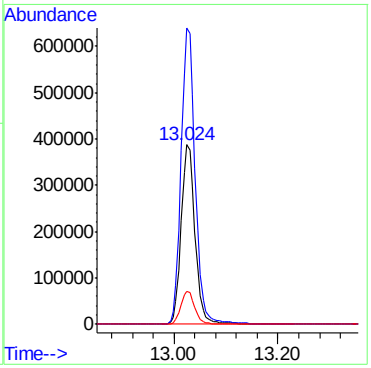


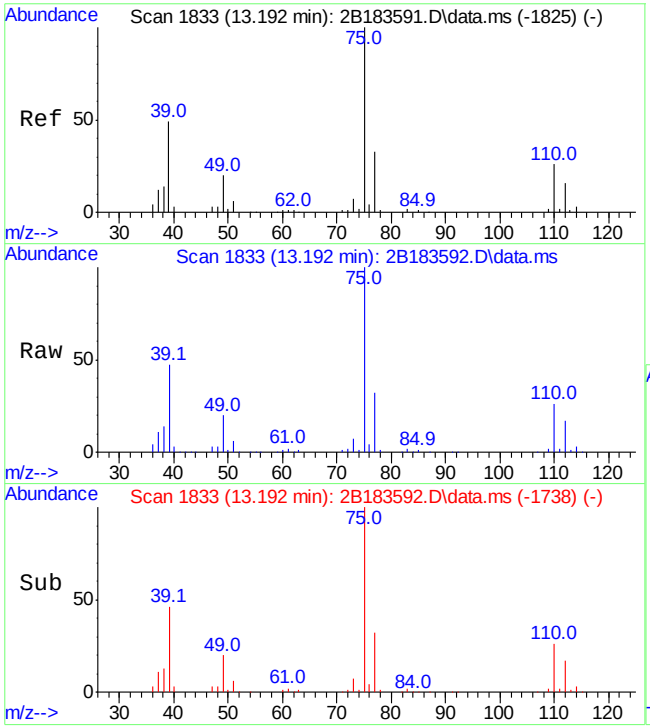


#75
toluene
Concen: 102.27 ug/L
RT: 13.024 min Scan# 1801
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 92 Resp: 718120

Ion	Ratio	Lower	Upper
92	100		
91	165.1	145.5	185.5
65	18.1	0.0	37.3

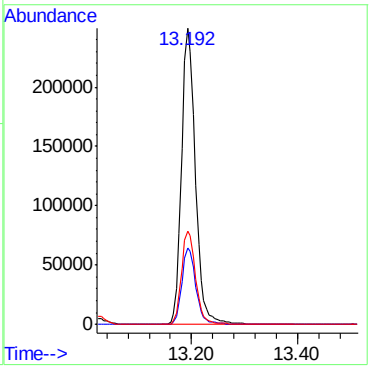


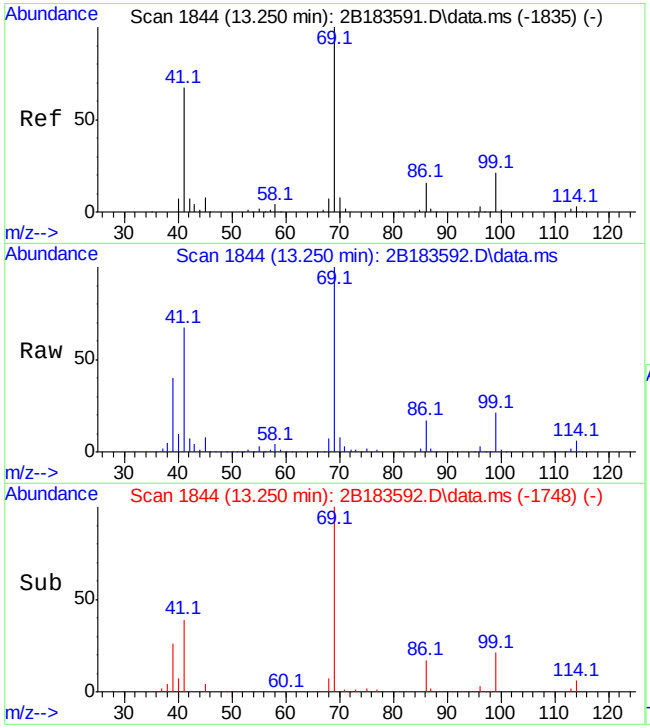


#76
trans-1,3-dichloropropene
Concen: 108.11 ug/L
RT: 13.192 min Scan# 1833
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 75 Resp: 453978

Ion	Ratio	Lower	Upper
75	100		
110	25.9	5.6	45.6
77	31.5	12.9	52.9

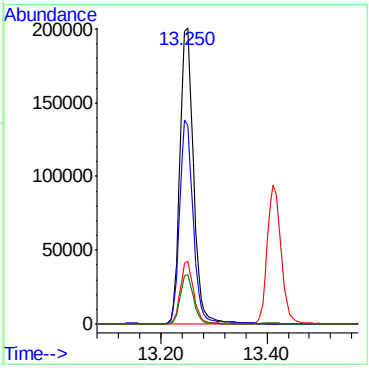


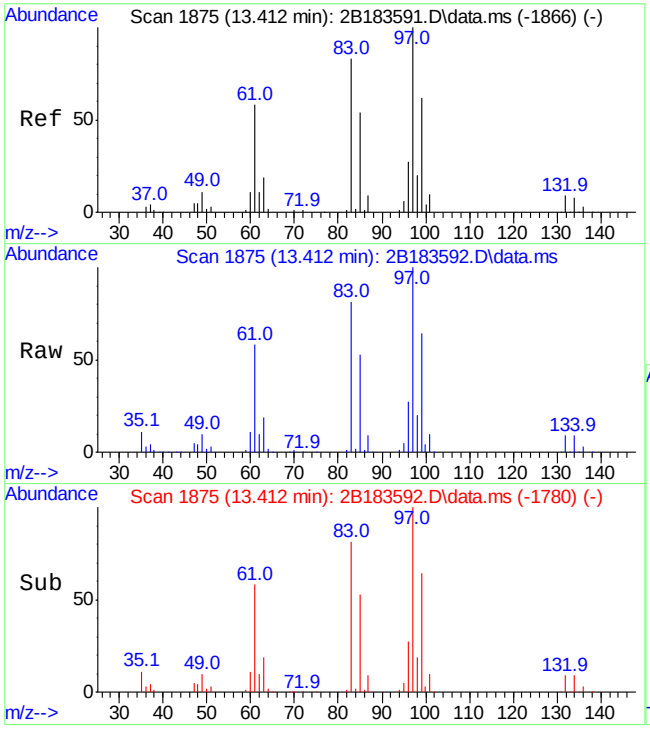


#77
ethyl methacrylate
Concen: 105.63 ug/L
RT: 13.250 min Scan# 1844
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 69 Resp: 359214

Ion	Ratio	Lower	Upper
69	100		
41	66.7	47.3	87.3
99	21.2	0.7	40.7
86	16.8	0.0	36.3

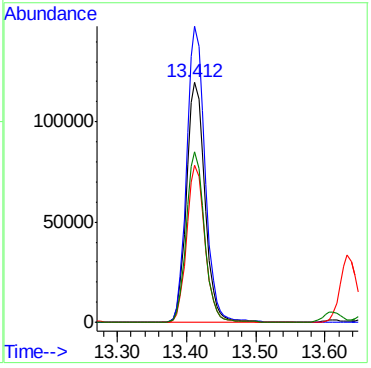


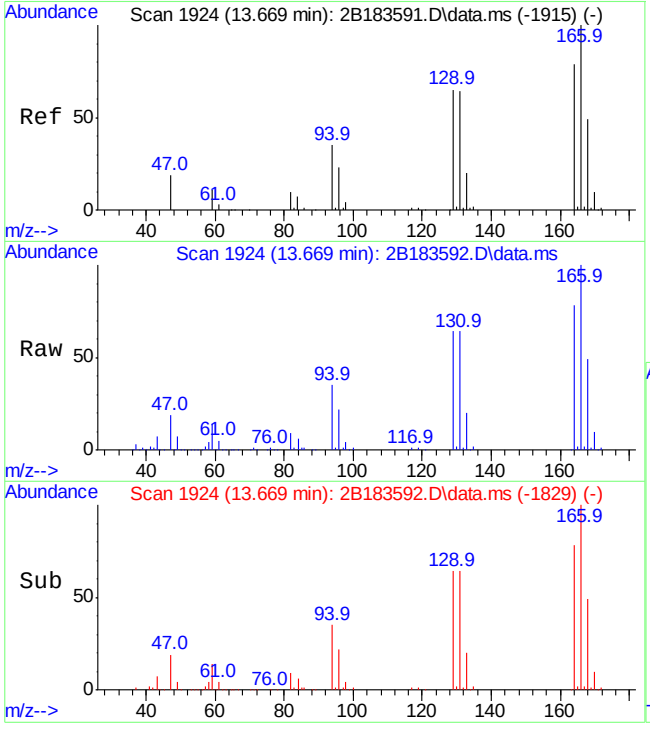


#78
1,1,2-trichloroethane
Concen: 101.90 ug/L
RT: 13.412 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 83 Resp: 221570

Ion	Ratio	Lower	Upper
83	100		
97	123.1	100.4	140.4
85	65.4	44.7	84.7
61	70.8	49.5	89.5

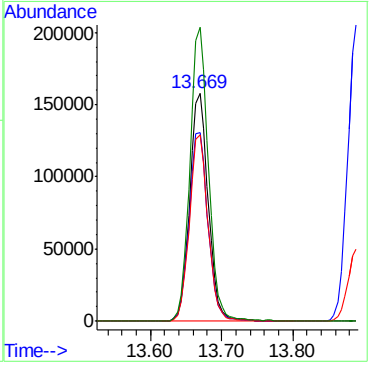


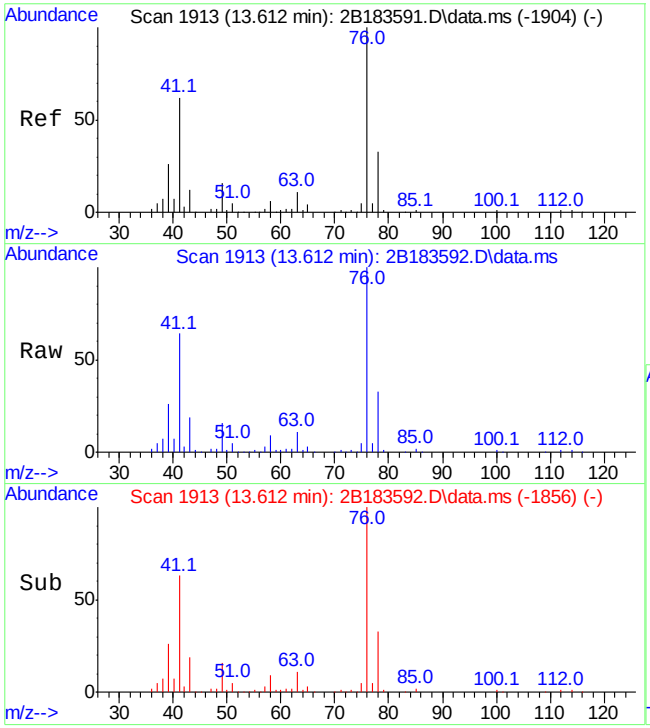


#79
tetrachloroethene
Concen: 93.43 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:164 Resp: 285344

Ion	Ratio	Lower	Upper
164	100		
129	82.8	52.8	112.8
131	81.9	51.2	111.2
166	128.9	97.3	157.3

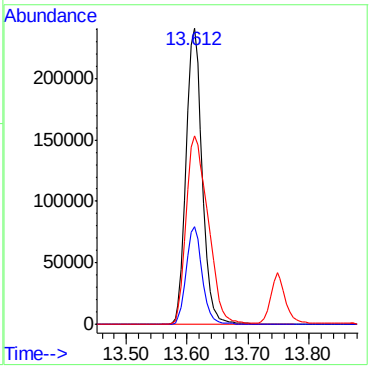


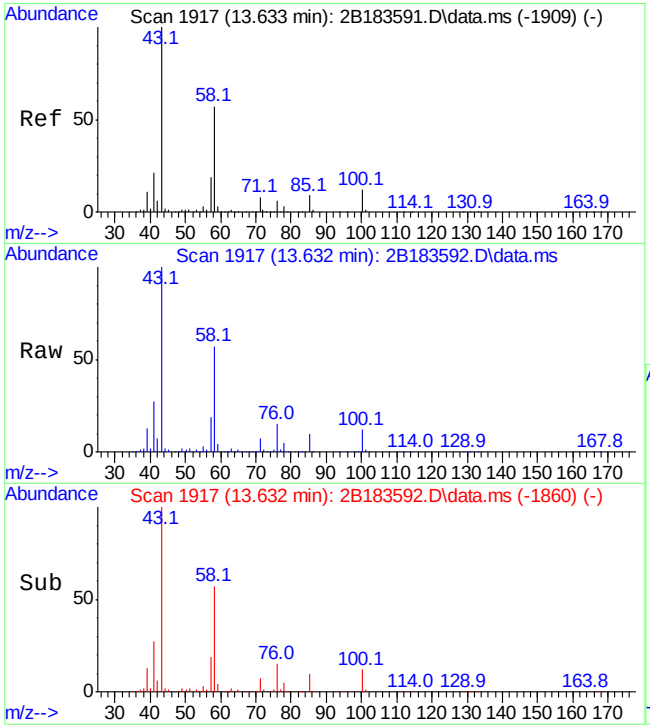


#80
1,3-dichloropropane
Concen: 100.03 ug/L
RT: 13.612 min Scan# 1913
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 76 Resp: 441353

Ion	Ratio	Lower	Upper
76	100		
78	32.9	2.9	62.9
41	63.6	31.5	91.5

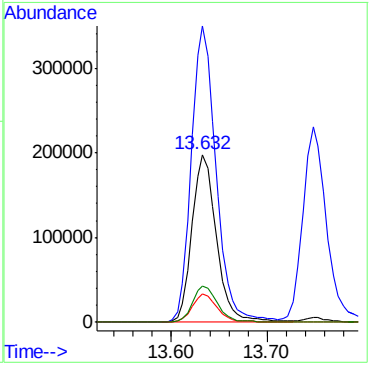


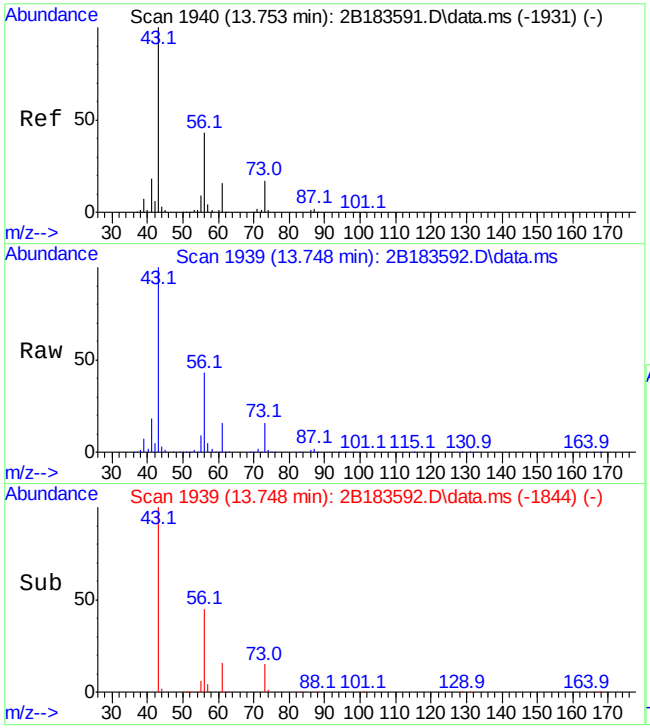


#81
2-hexanone
Concen: 410.67 ug/L
RT: 13.632 min Scan# 1917
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 58 Resp: 349664

Ion	Ratio	Lower	Upper
58	100		
43	176.5	156.8	196.8
85	17.0	0.0	35.7
100	21.5	0.5	40.5

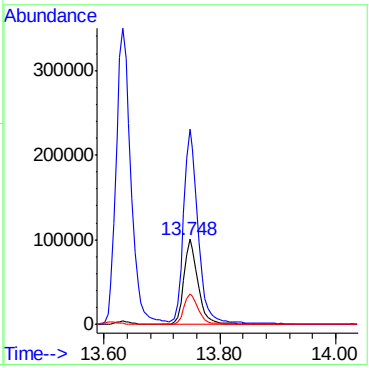


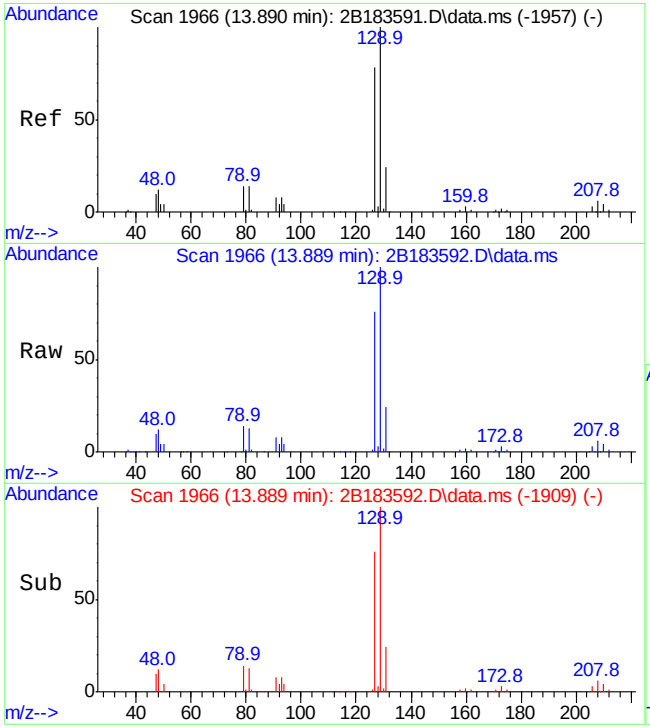


#82
butyl acetate
Concen: 104.89 ug/L
RT: 13.748 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 56 Resp: 170435

Ion	Ratio	Lower	Upper
56	100		
43	229.7	205.4	265.4
73	36.1	8.9	68.9

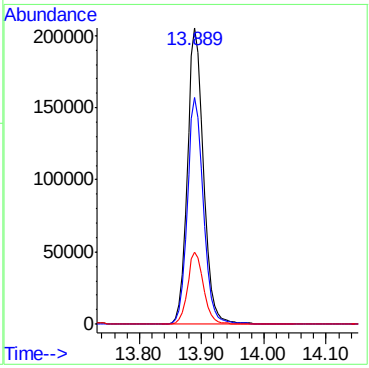


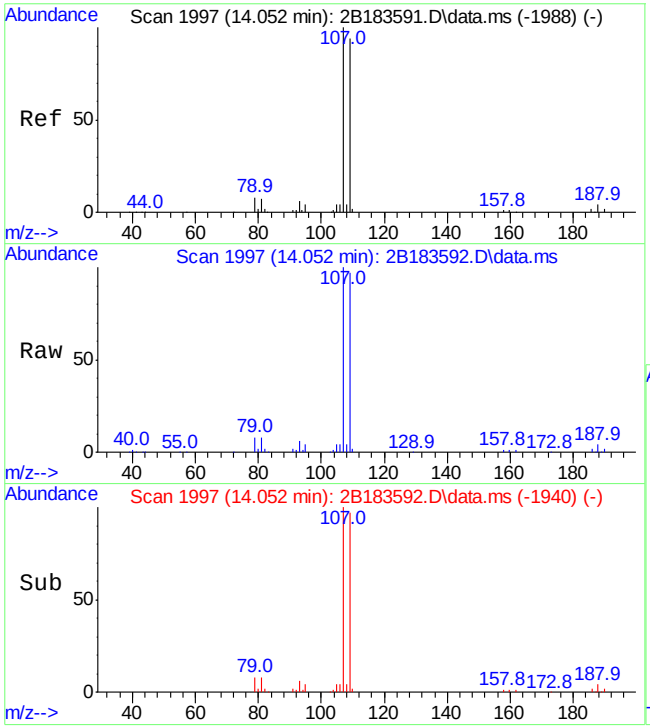


#83
dibromochloromethane
Concen: 104.91 ug/L
RT: 13.889 min Scan# 1966
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:129 Resp: 372957

Ion	Ratio	Lower	Upper
129	100		
127	76.4	47.6	107.6
131	24.2	0.0	54.0

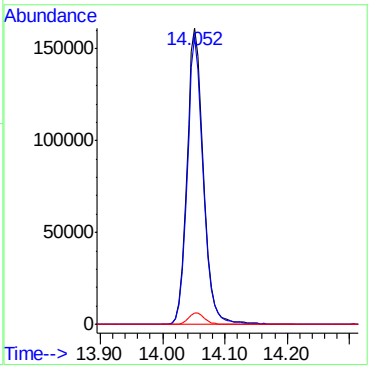


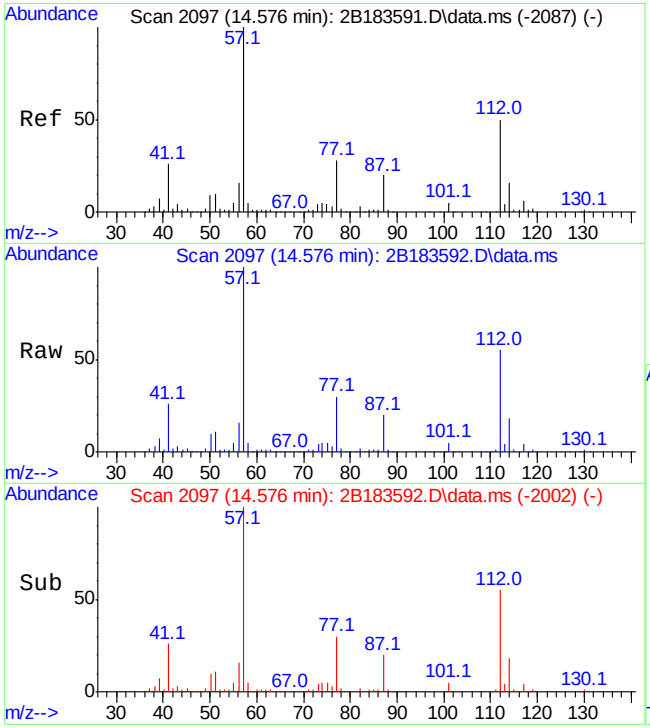


#84
1,2-dibromoethane
Concen: 103.94 ug/L
RT: 14.052 min Scan# 1997
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:107 Resp: 298927

Ion	Ratio	Lower	Upper
107	100		
109	96.8	64.2	124.2
188	3.7	0.0	33.9

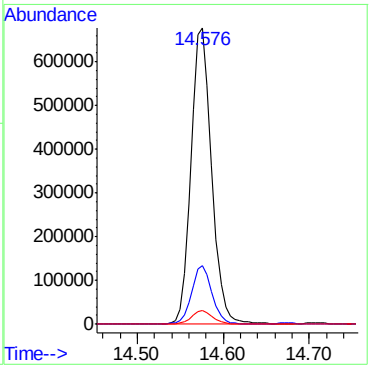


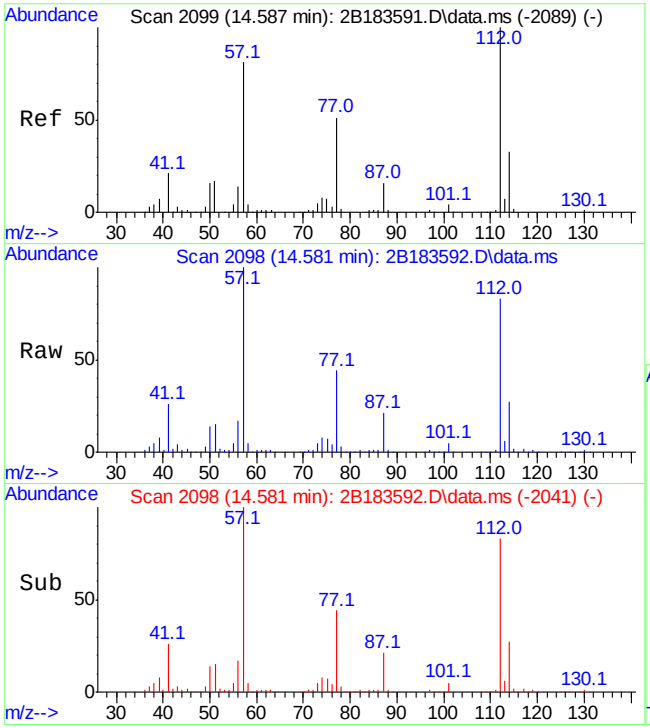


#85
n-butyl ether
Concen: 103.00 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 57 Resp: 1118964

Ion	Ratio	Lower	Upper
57	100		
87	19.8	0.0	49.5
101	4.7	0.0	34.7

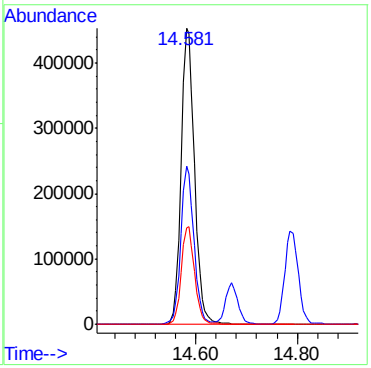


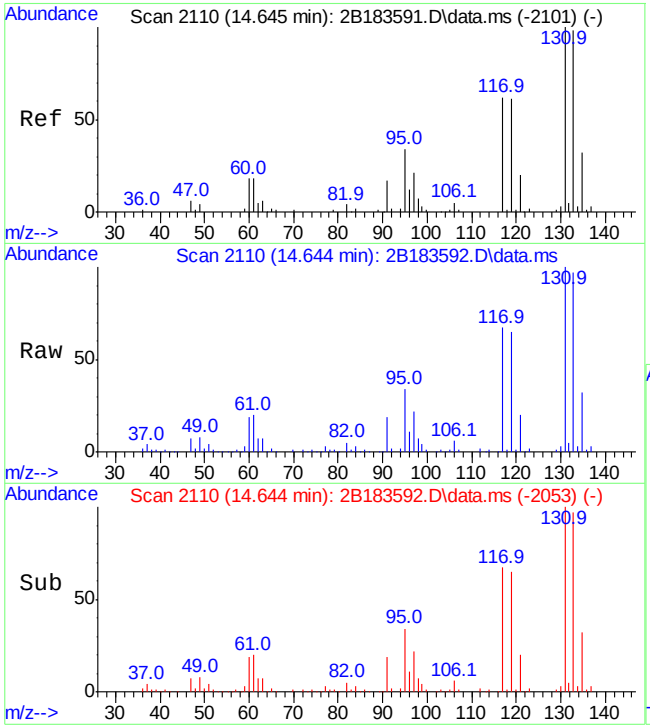


#86
chlorobenzene
Concen: 99.82 ug/L
RT: 14.581 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:112 Resp: 833241

Ion	Ratio	Lower	Upper
112	100		
77	53.1	21.5	81.5
114	32.8	2.8	62.8

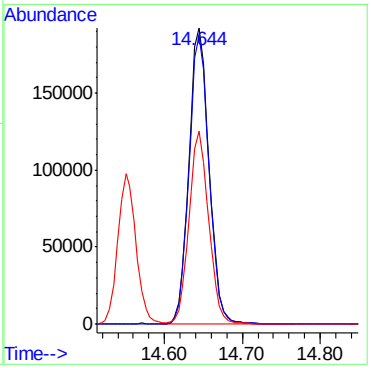


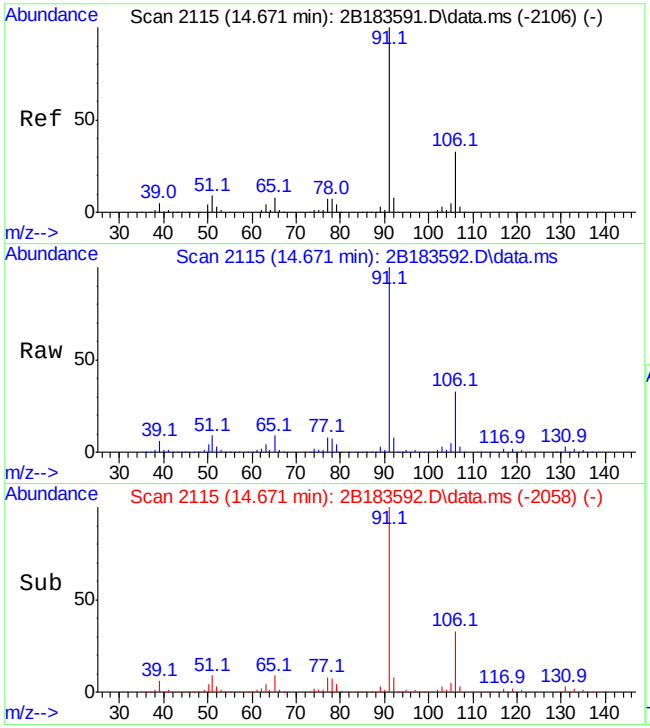


#87
1,1,1,2-tetrachloroethane
Concen: 98.61 ug/L
RT: 14.644 min Scan# 2110
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:131 Resp: 343318

Ion	Ratio	Lower	Upper
131	100		
133	97.3	67.8	127.8
119	65.0	32.9	92.9

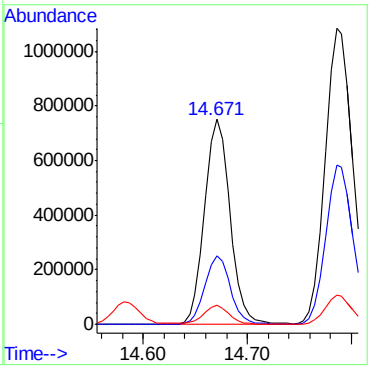


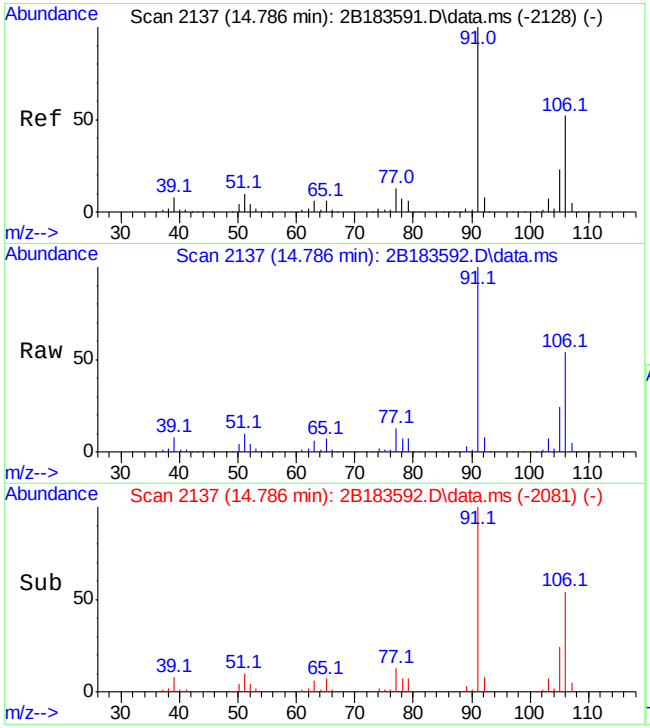


#88
ethylbenzene
Concen: 94.99 ug/L
RT: 14.671 min Scan# 2115
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 91 Resp: 1279762

Ion	Ratio	Lower	Upper
91	100		
106	33.2	3.0	63.0
51	9.1	0.0	39.2

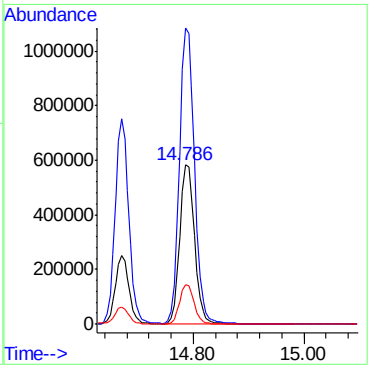


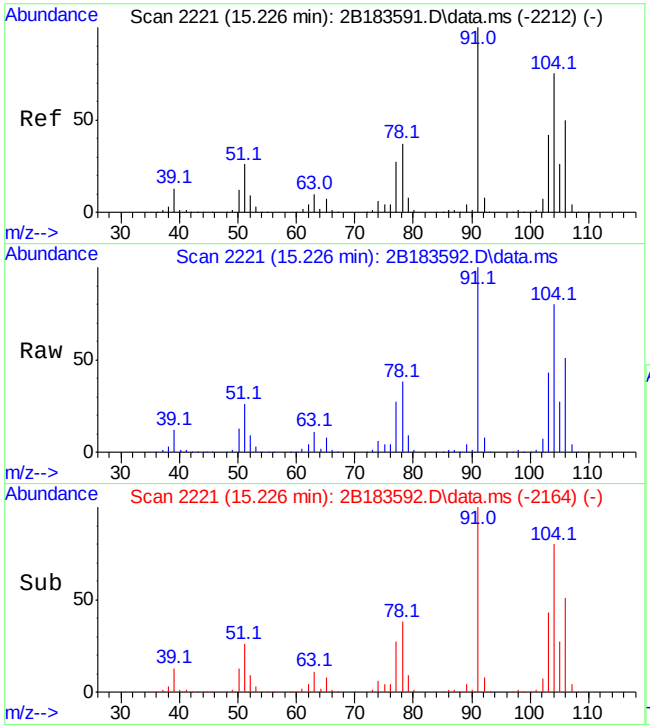


#89
m,p-xylene
Concen: 198.75 ug/L
RT: 14.786 min Scan# 2137
Delta R.T. -0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:106 Resp: 1081628

Ion	Ratio	Lower	Upper
106	100		
91	186.2	162.7	222.7
77	24.6	5.0	45.0

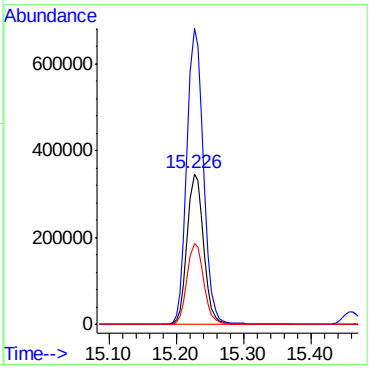


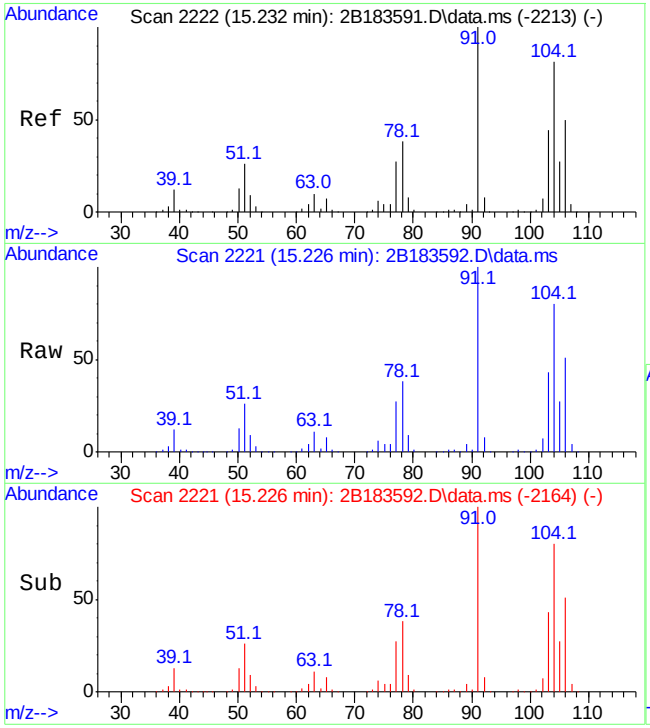


#90
o-xylene
Concen: 100.93 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:106 Resp: 585204

Ion	Ratio	Lower	Upper
106	100		
91	196.8	169.5	229.5
77	54.0	33.1	73.1

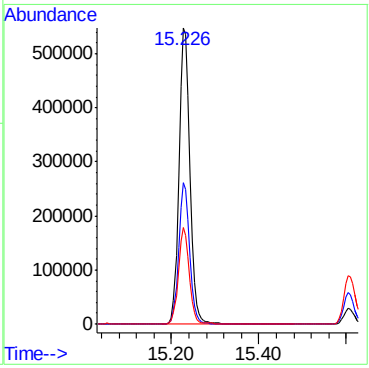


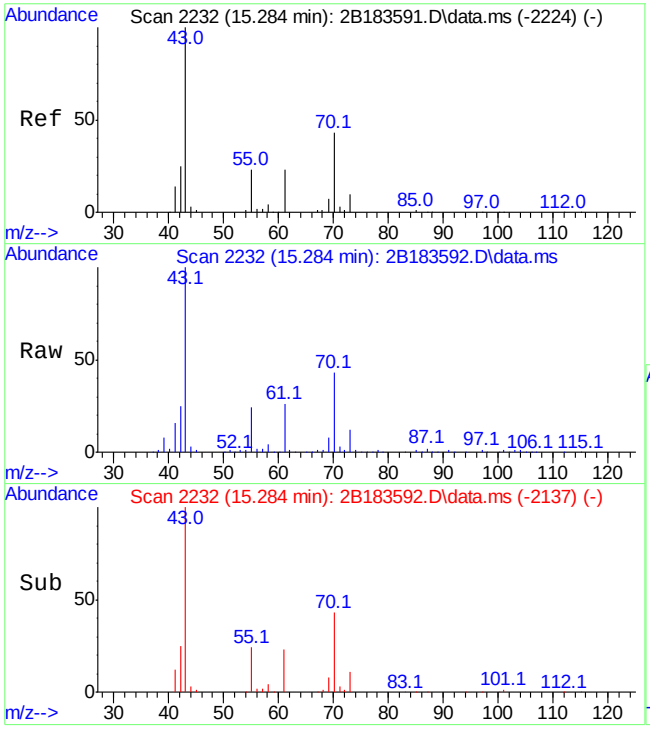


#91
styrene
Concen: 102.28 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:104 Resp: 947520

Ion	Ratio	Lower	Upper
104	100		
78	47.9	16.8	76.8
51	32.7	2.1	62.1

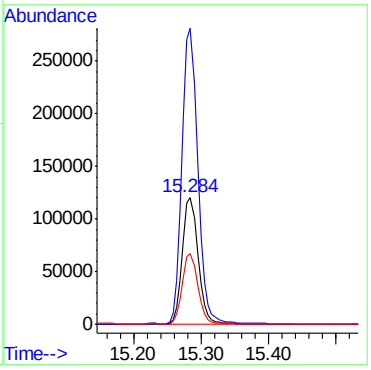


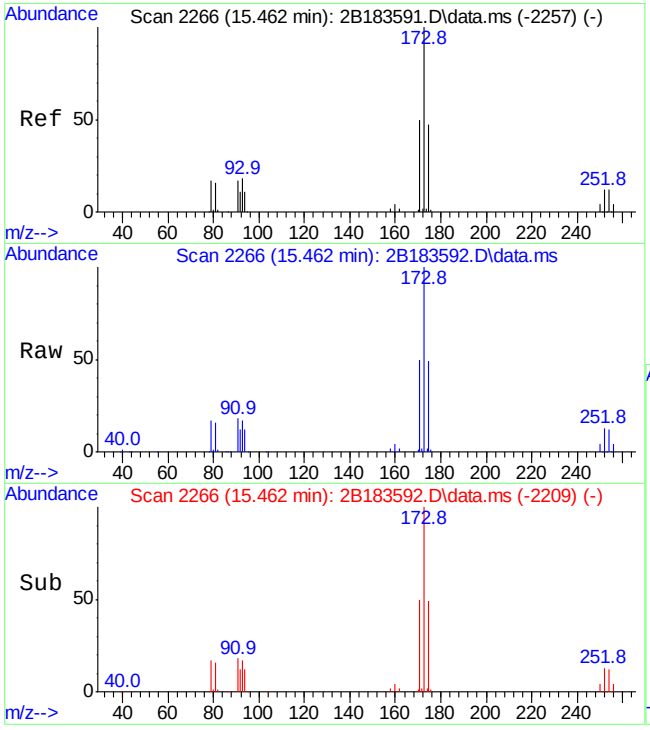


#92
n-amyl acetate
Concen: 103.45 ug/L
RT: 15.284 min Scan# 2232
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 70 Resp: 197547

Ion	Ratio	Lower	Upper
70	100		
43	232.4	202.3	262.3
55	55.4	23.6	83.6

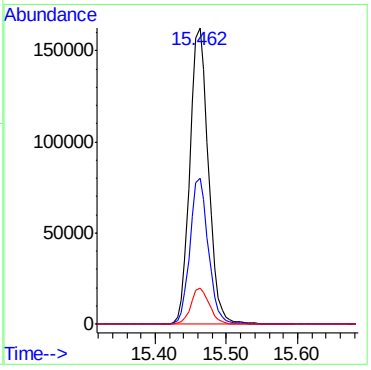


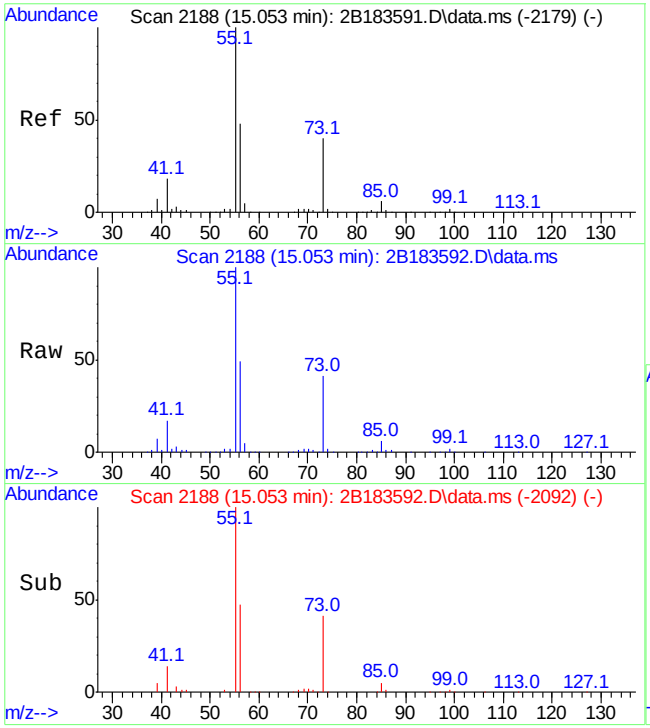


#93
bromoform
Concen: 105.00 ug/L
RT: 15.462 min Scan# 2266
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:173 Resp: 293781

Ion	Ratio	Lower	Upper
173	100		
175	49.2	17.3	77.3
254	12.1	0.0	42.0

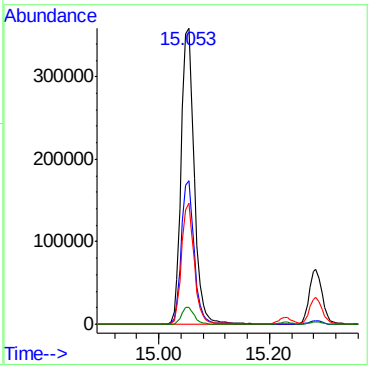


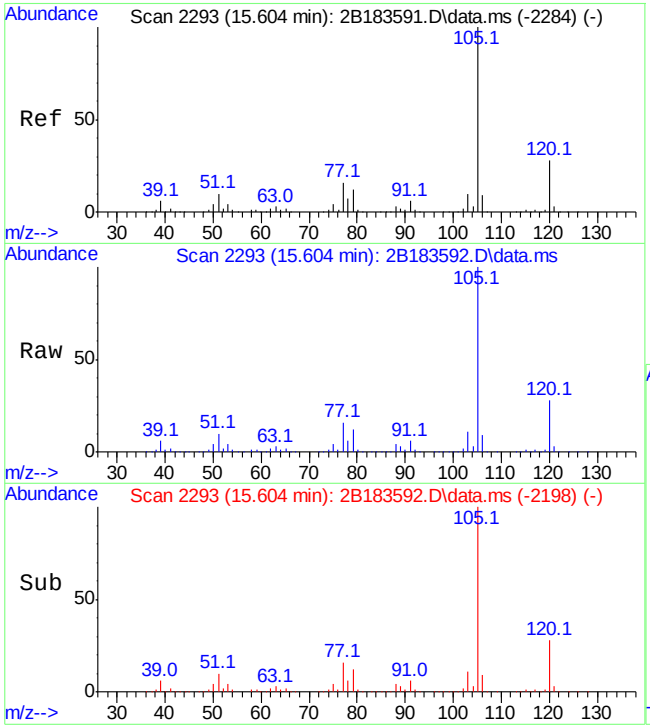


#94
butyl acrylate
Concen: 110.27 ug/L
RT: 15.053 min Scan# 2188
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 55 Resp: 589429

Ion	Ratio	Lower	Upper
55	100		
56	48.7	18.2	78.2
73	40.9	10.0	70.0
85	5.8	0.0	35.9

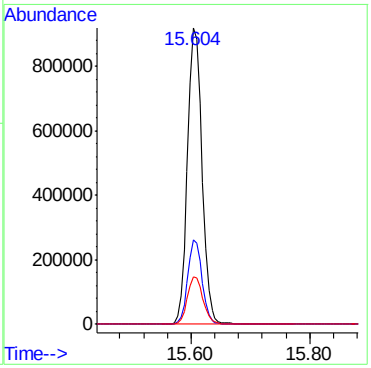


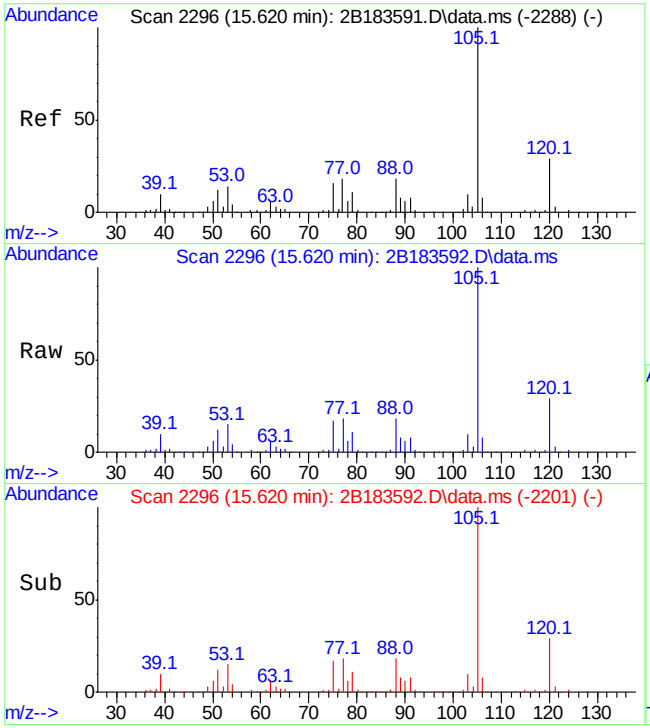


#95
isopropylbenzene
Concen: 98.07 ug/L
RT: 15.604 min Scan# 2293
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:105 Resp: 1550768

Ion	Ratio	Lower	Upper
105	100		
120	28.3	7.6	47.6
77	15.8	0.0	35.7

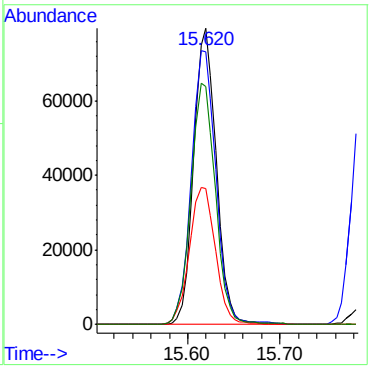


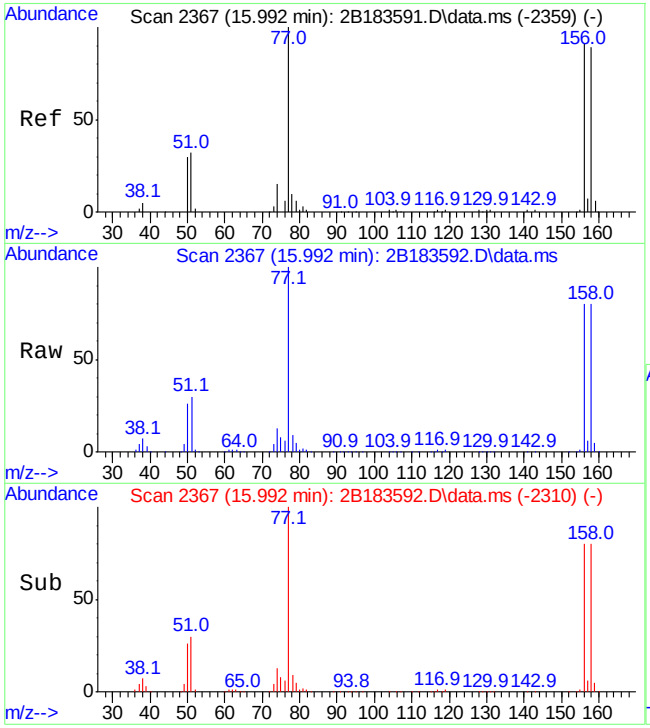


#96
cis-1,4-dichloro-2-butene
Concen: 101.23 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 88 Resp: 134966

Ion	Ratio	Lower	Upper
88	100		
75	91.9	74.3	114.3
89	45.8	26.9	66.9
53	80.2	62.3	102.3

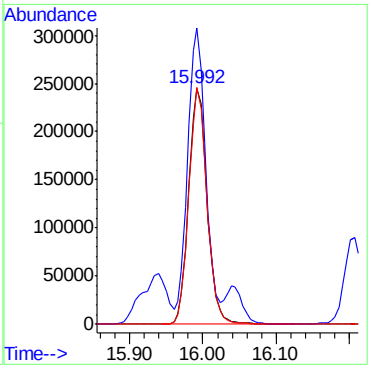


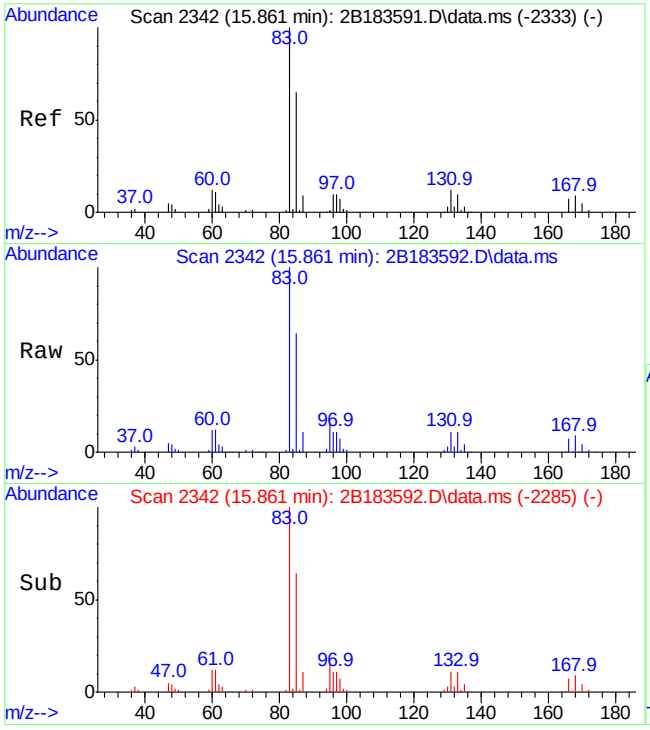


#99
bromobenzene
Concen: 101.70 ug/L
RT: 15.992 min Scan# 2367
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:156 Resp: 427745

Ion	Ratio	Lower	Upper
156	100		
77	125.2	94.4	154.4
158	100.2	68.2	128.2

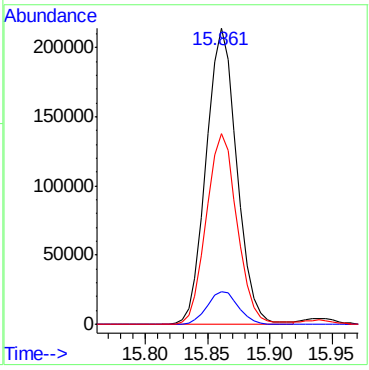


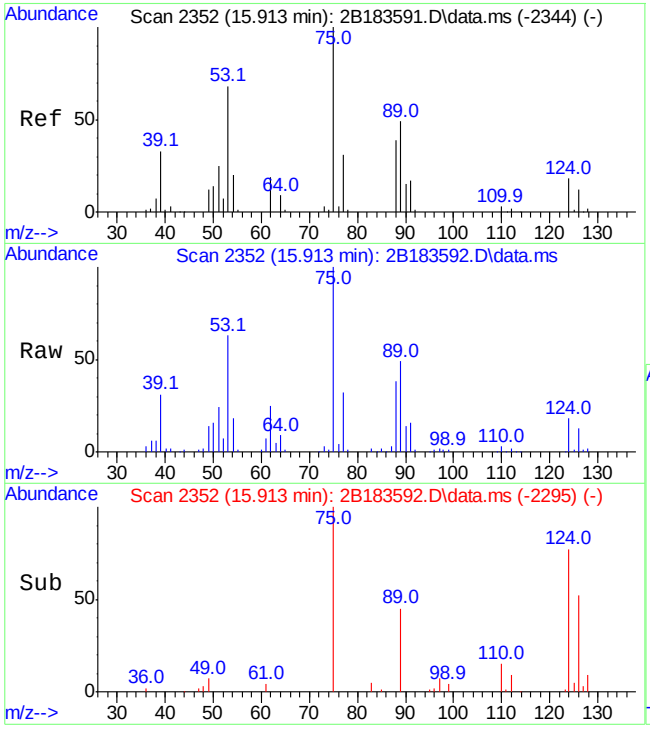


#100
1,1,2,2-tetrachloroethane
Concen: 105.69 ug/L
RT: 15.861 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 83 Resp: 366012

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	41.6
85	64.4	34.8	94.8

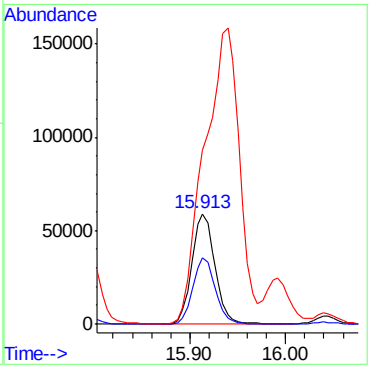


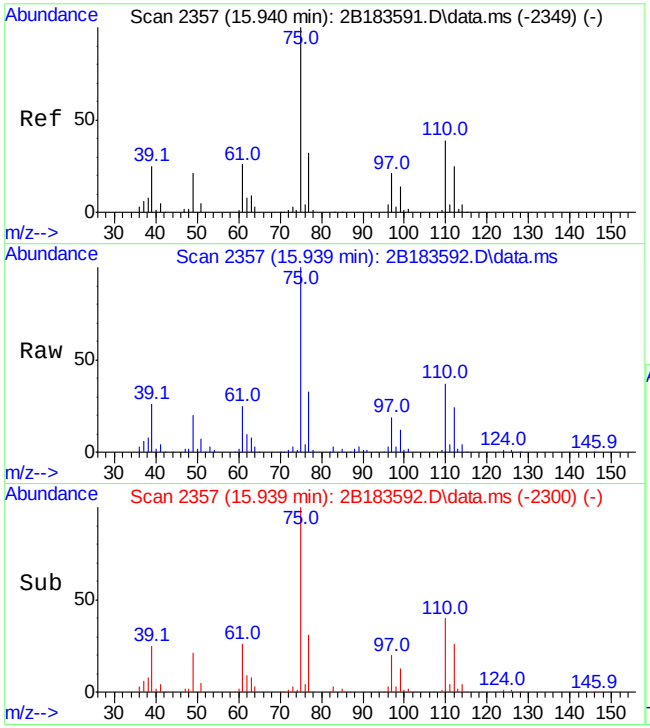


#101
trans-1,4-dichloro-2-butene
Concen: 108.91 ug/L
RT: 15.913 min Scan# 2352
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 53 Resp: 97871

Ion	Ratio	Lower	Upper
53	100		
88	60.2	26.5	86.5
75	157.6	116.8	176.8

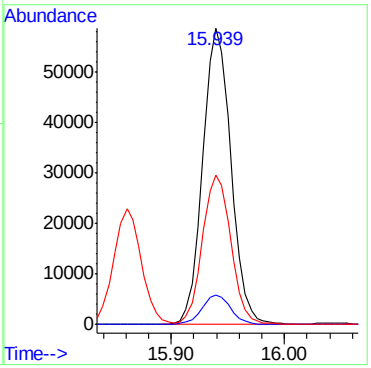


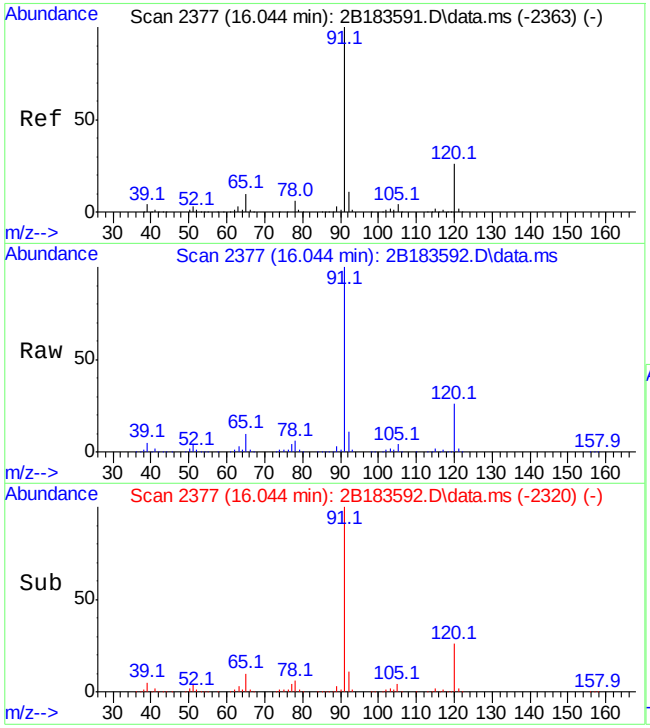


#102
1,2,3-trichloropropane
Concen: 100.31 ug/L
RT: 15.939 min Scan# 2357
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:110 Resp: 100735

Ion	Ratio	Lower	Upper
110	100		
111	9.8	0.0	40.7
97	50.3	23.2	83.2

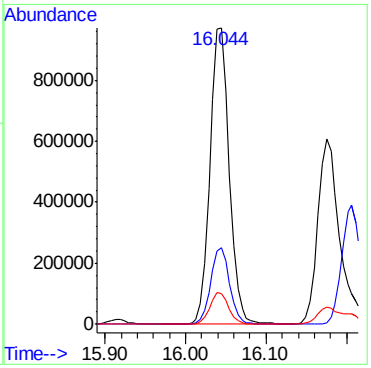


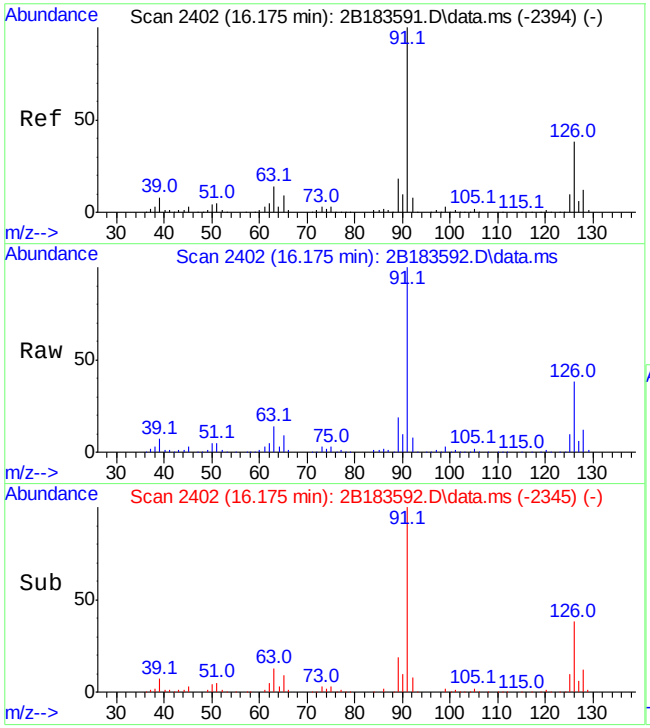


#103
n-propylbenzene
Concen: 100.33 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 91 Resp: 1615704

Ion	Ratio	Lower	Upper
91	100		
120	25.9	0.0	55.5
65	10.2	0.0	39.9

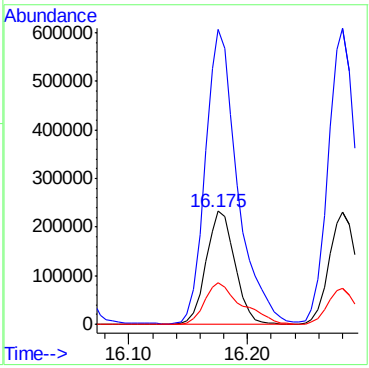


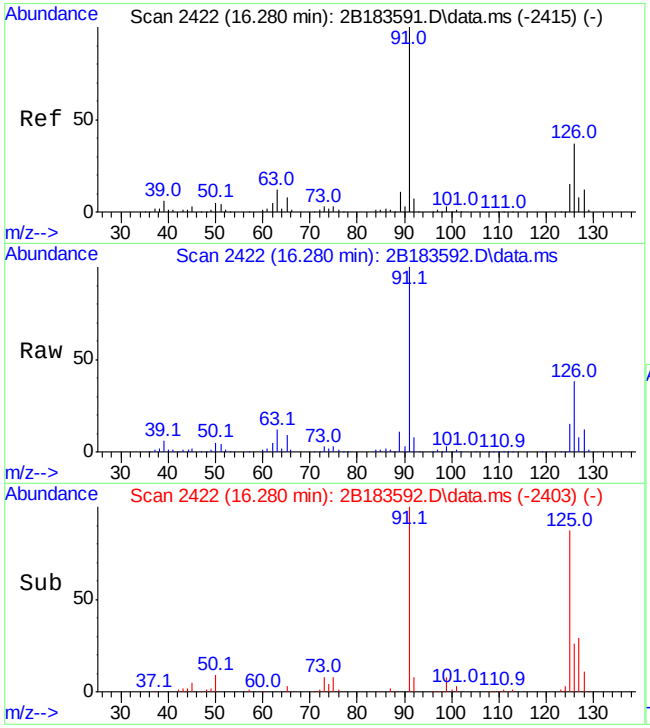


#104
2-chlorotoluene
Concen: 103.67 ug/L
RT: 16.175 min Scan# 2402
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:126 Resp: 393427

Ion	Ratio	Lower	Upper
126	100		
91	260.6	233.1	293.1
63	36.5	6.5	66.5

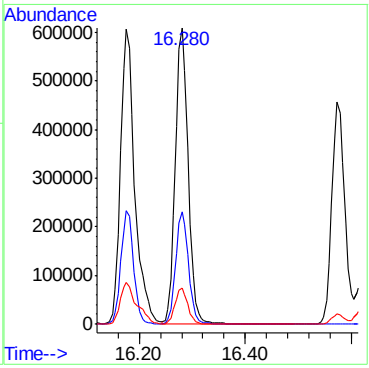


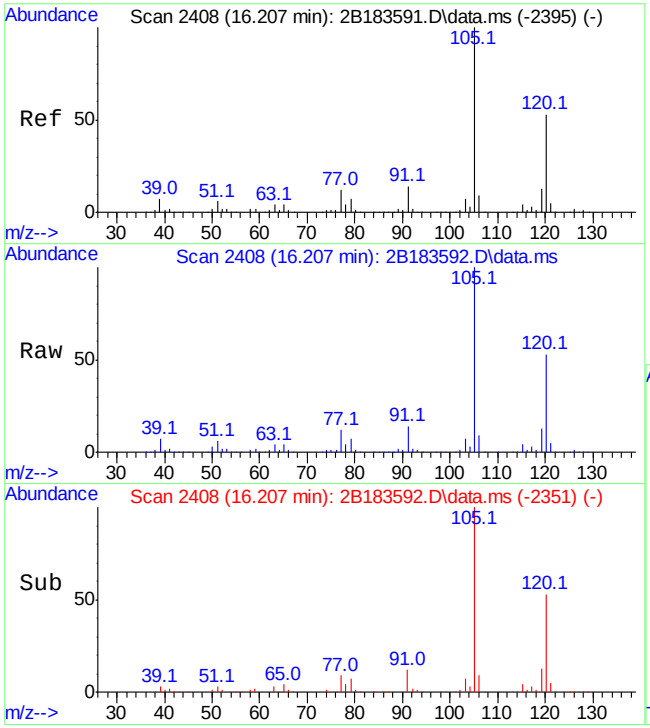


#105
4-chlorotoluene
Concen: 100.02 ug/L
RT: 16.280 min Scan# 2422
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 91 Resp: 1016901

Ion	Ratio	Lower	Upper
91	100		
126	38.1	7.4	67.4
63	12.0	0.0	42.1

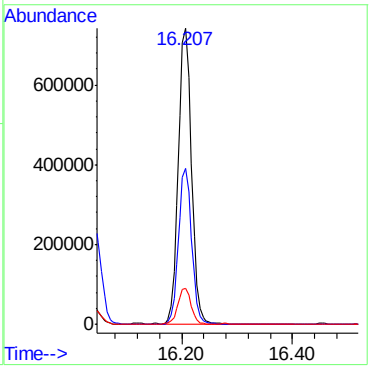


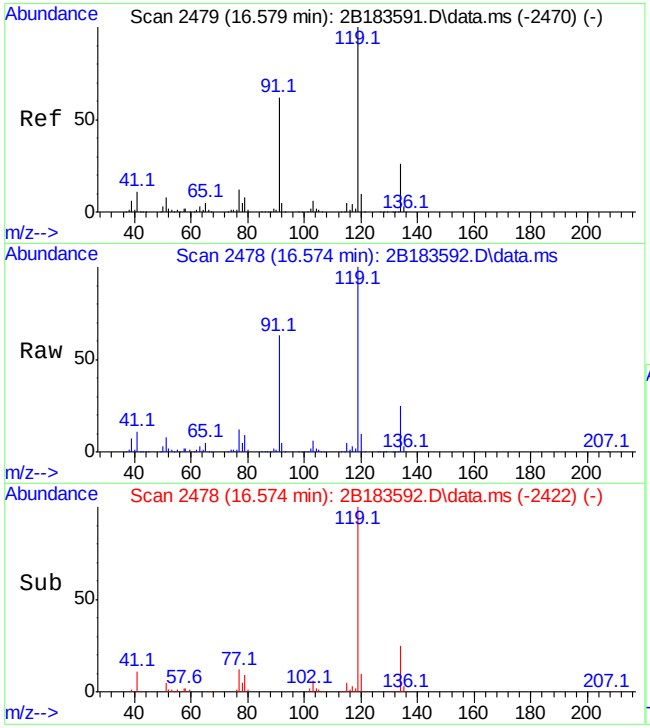


#106
1,3,5-trimethylbenzene
Concen: 100.59 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:105 Resp: 1224905

Ion	Ratio	Lower	Upper
105	100		
120	52.9	22.7	82.7
77	12.1	0.0	42.1

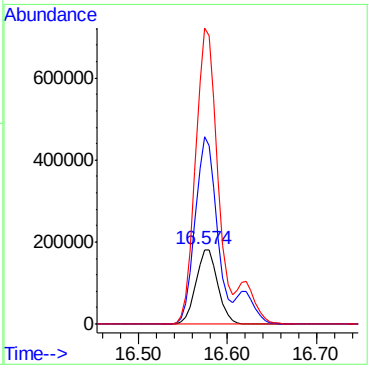


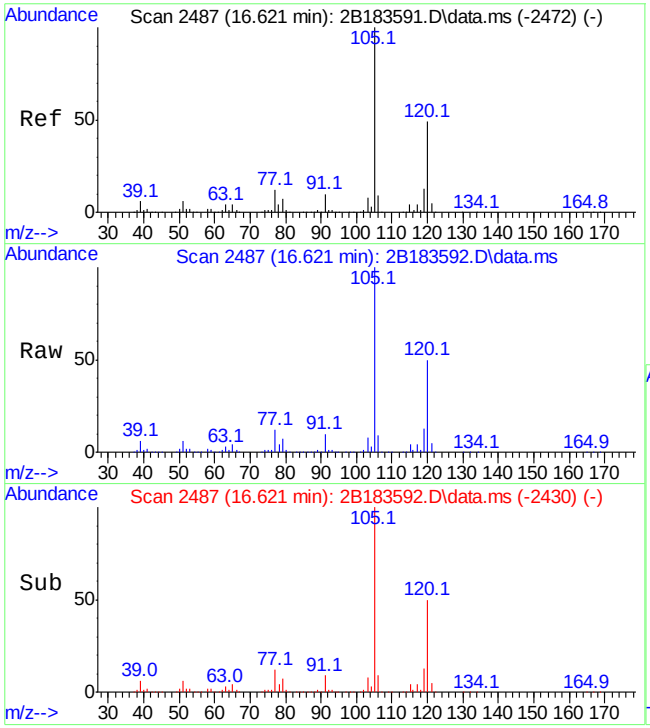


#107
tert-butylbenzene
Concen: 106.59 ug/L
RT: 16.574 min Scan# 2478
Delta R.T. -0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:134 Resp: 308506

Ion	Ratio	Lower	Upper
134	100		
91	250.7	208.1	268.1
119	397.4	353.9	413.9

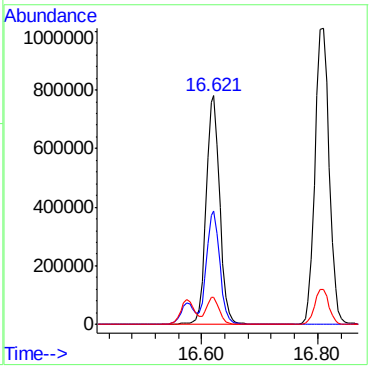


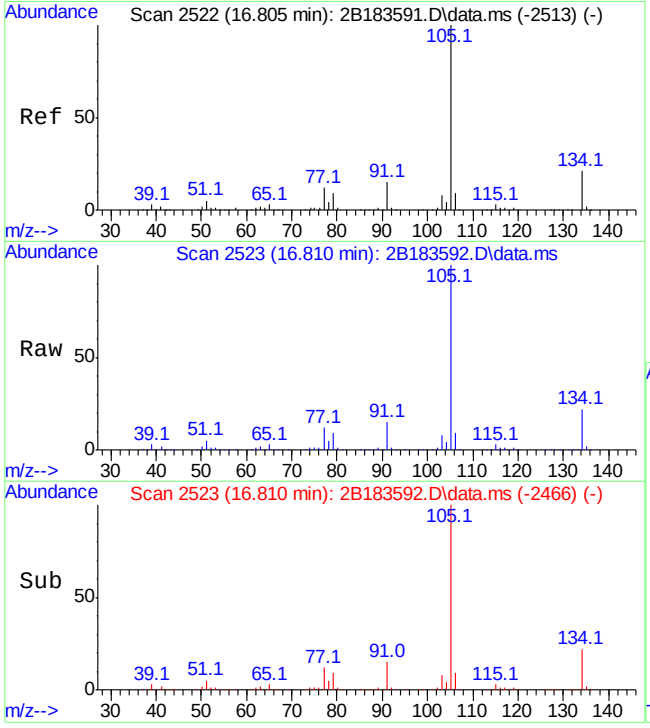


#108
1,2,4-trimethylbenzene
Concen: 101.20 ug/L
RT: 16.621 min Scan# 2487
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:105 Resp: 1282329

Ion	Ratio	Lower	Upper
105	100		
120	49.8	19.5	79.5
77	11.7	0.0	41.6

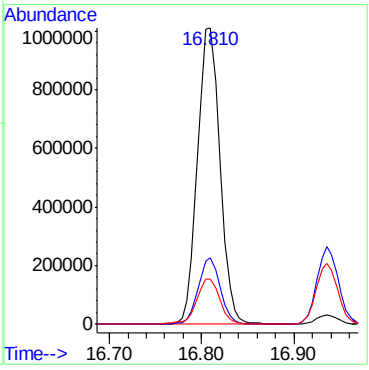


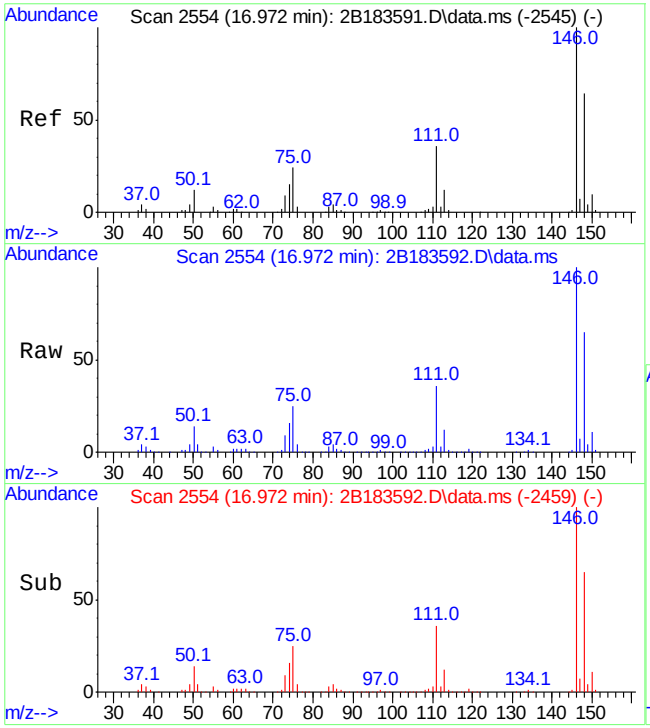


#109
sec-butylbenzene
Concen: 101.94 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:105 Resp: 1717555

Ion	Ratio	Lower	Upper
105	100		
134	22.4	0.0	50.9
91	15.0	0.0	44.9

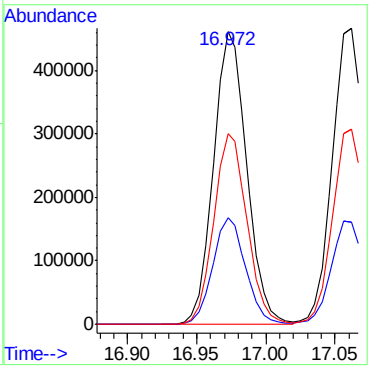


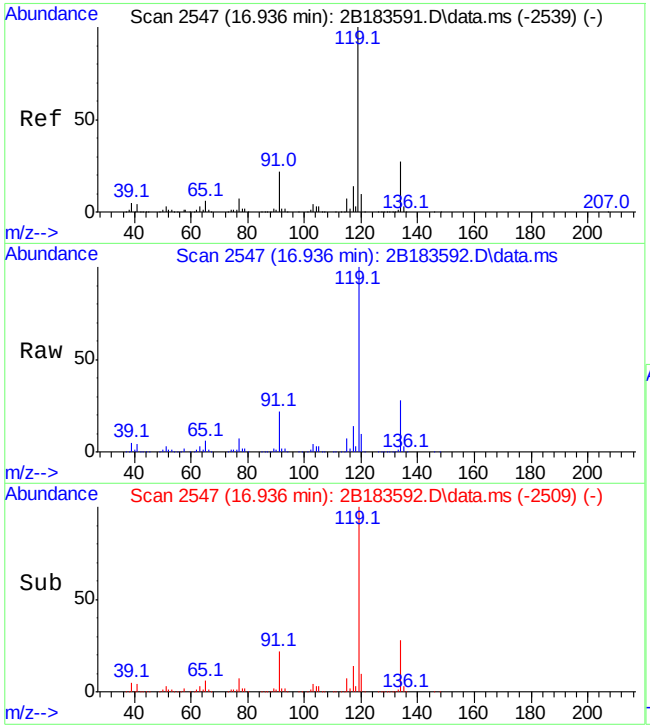


#110
1,3-dichlorobenzene
Concen: 97.87 ug/L
RT: 16.972 min Scan# 2554
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:146 Resp: 774886

Ion	Ratio	Lower	Upper
146	100		
111	36.4	6.0	66.0
148	65.1	34.1	94.1

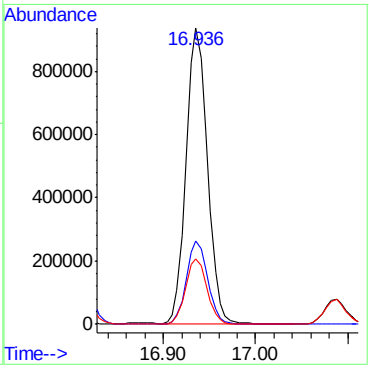


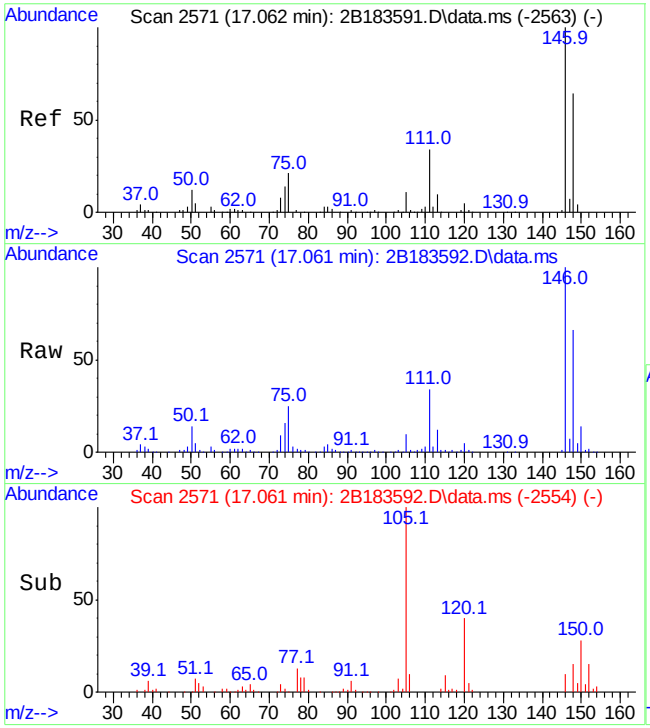


#111
p-isopropyltoluene
Concen: 102.74 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:119 Resp: 1517340

Ion	Ratio	Lower	Upper
119	100		
134	28.2	0.0	57.3
91	21.9	0.0	51.8

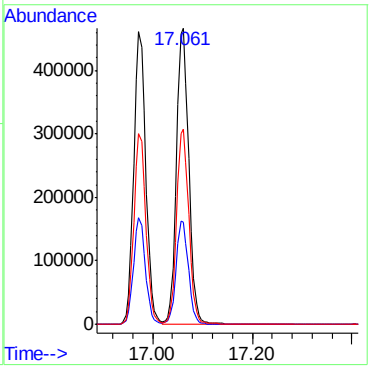


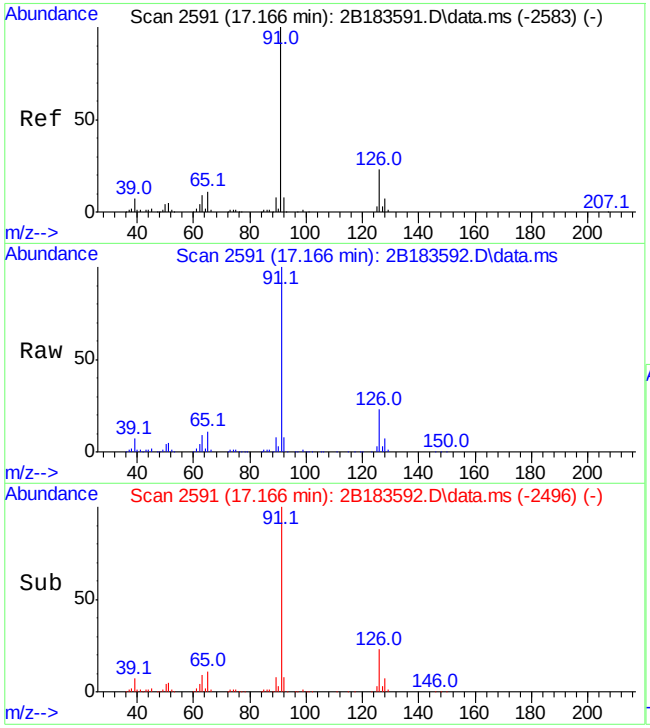


#112
1,4-dichlorobenzene
Concen: 103.25 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:146 Resp: 802094

Ion	Ratio	Lower	Upper
146	100		
111	34.5	4.0	64.0
148	66.0	34.3	94.3

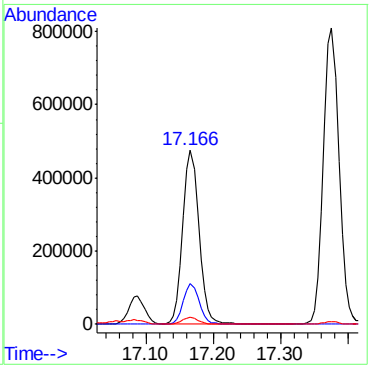


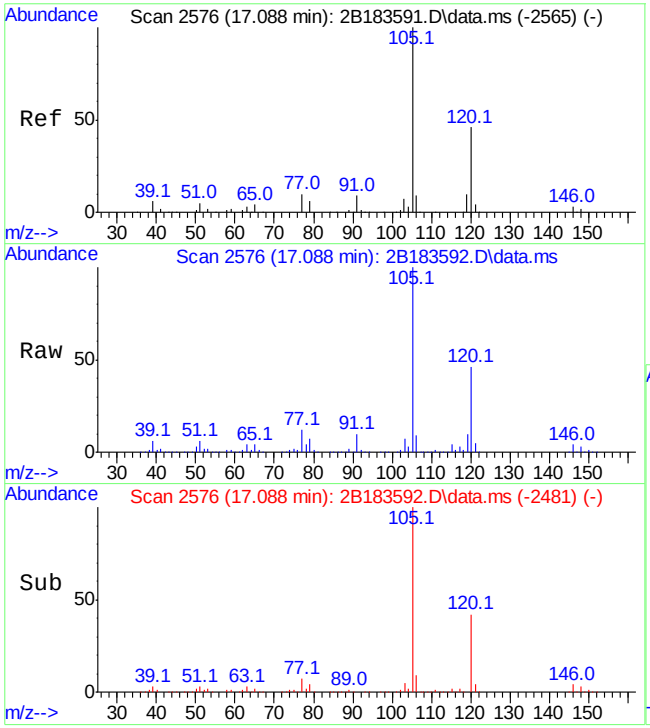


#113
benzyl chloride
Concen: 112.44 ug/L
RT: 17.166 min Scan# 2591
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 91 Resp: 798263

Ion	Ratio	Lower	Upper
91	100		
126	23.1	0.0	52.7
62	3.8	0.0	34.0

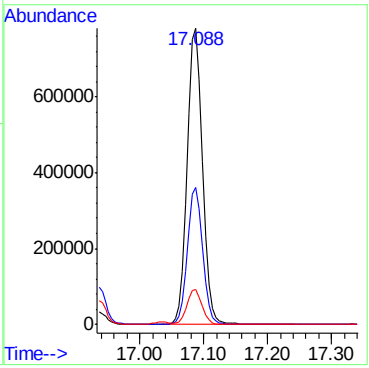


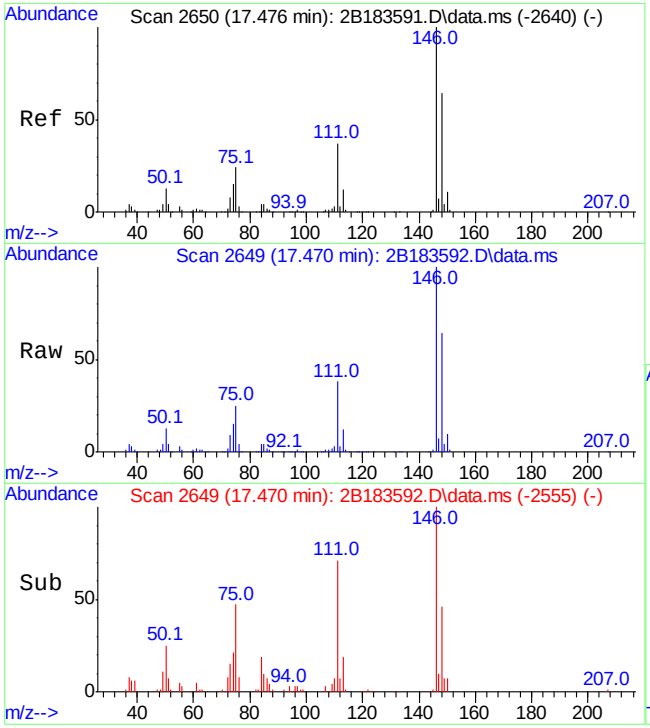


#114
1,2,3-trimethylbenzene
Concen: 104.36 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:105 Resp: 1292835

Ion	Ratio	Lower	Upper
105	100		
120	46.4	16.3	76.3
77	11.6	0.0	41.7

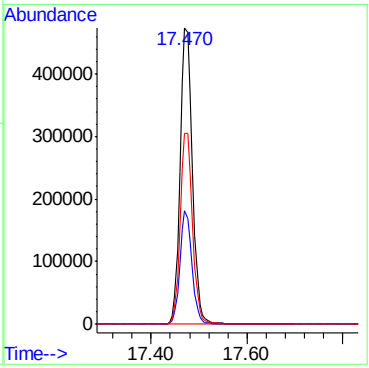


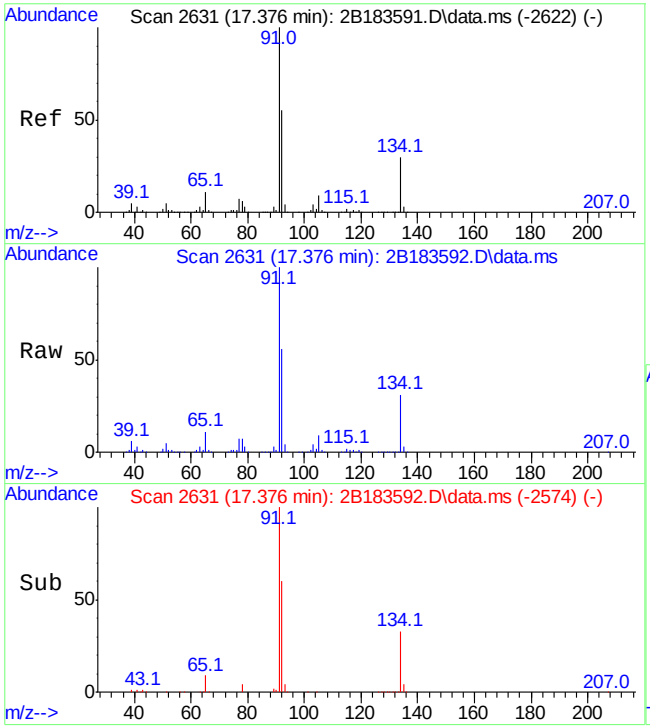


#115
1,2-dichlorobenzene
Concen: 106.09 ug/L
RT: 17.470 min Scan# 2649
Delta R.T. -0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:146 Resp: 838765

Ion	Ratio	Lower	Upper
146	100		
111	38.3	6.6	66.6
148	64.4	34.3	94.3

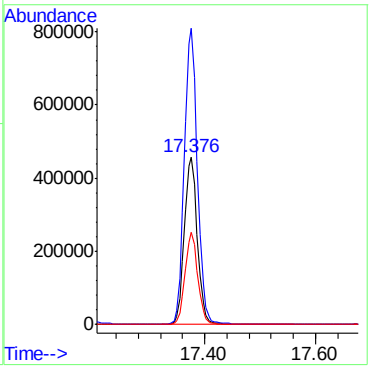


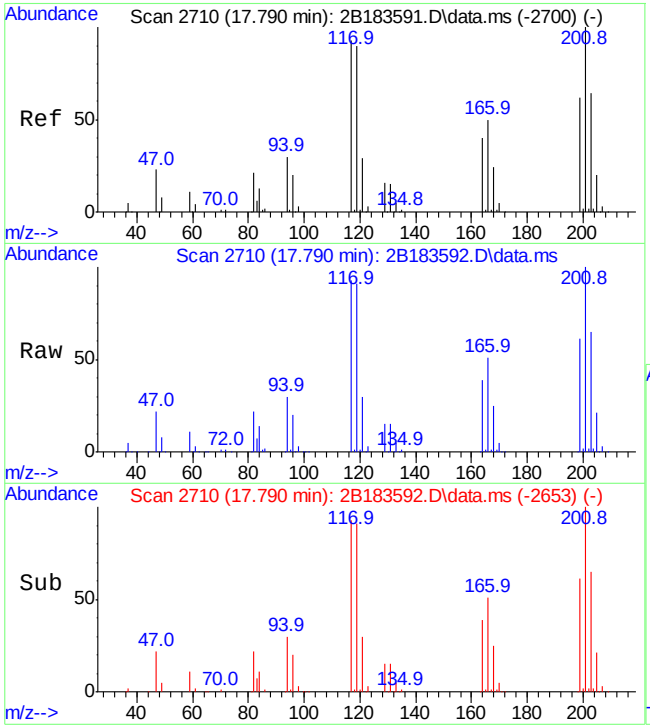


#116
n-butylbenzene
Concen: 106.72 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 92 Resp: 740770

Ion	Ratio	Lower	Upper
92	100		
91	176.9	150.9	210.9
134	54.8	23.6	83.6

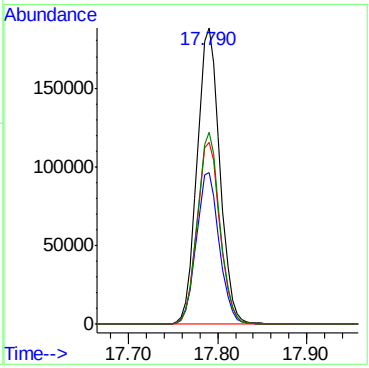


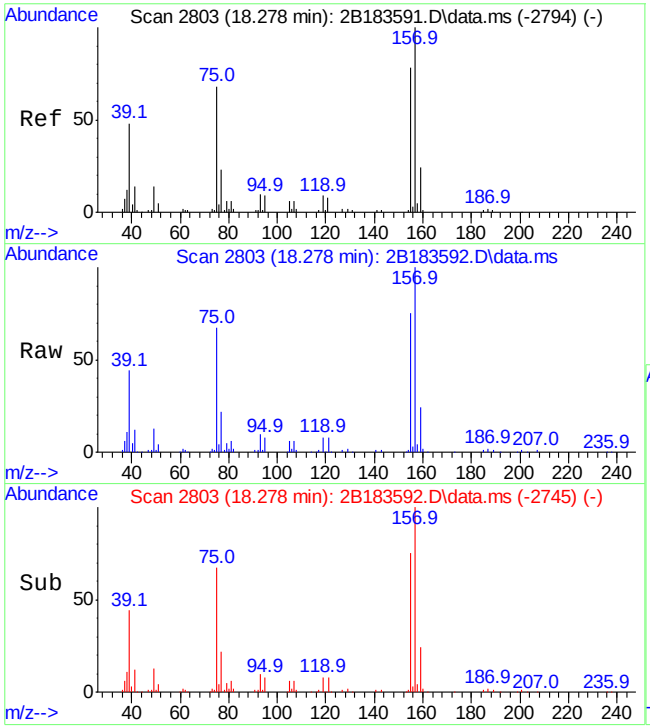


#117
hexachloroethane
Concen: 108.92 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:201 Resp: 333748

Ion	Ratio	Lower	Upper
201	100		
166	51.0	30.5	70.5
199	61.5	42.1	82.1
203	65.0	44.3	84.3

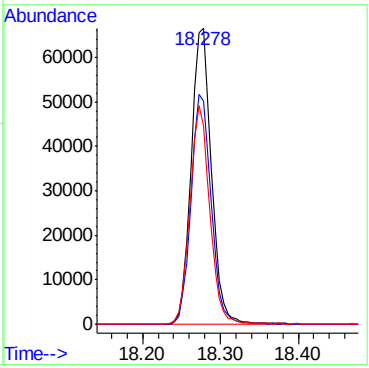


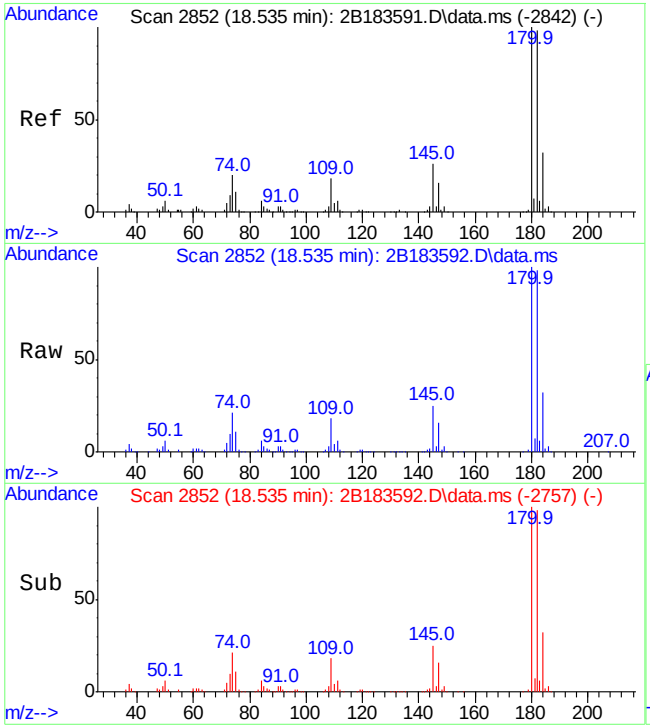


#118
1,2-dibromo-3-chloropropane
Concen: 112.02 ug/L
RT: 18.278 min Scan# 2803
Delta R.T. 0.005 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:157 Resp: 119870

Ion	Ratio	Lower	Upper
157	100		
155	75.5	47.6	107.6
75	67.2	38.4	98.4

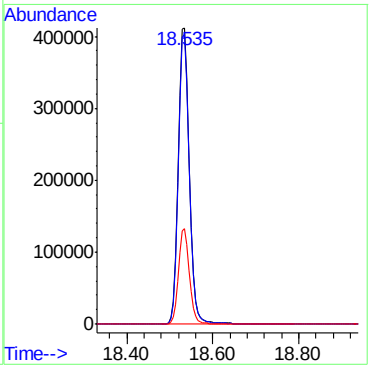


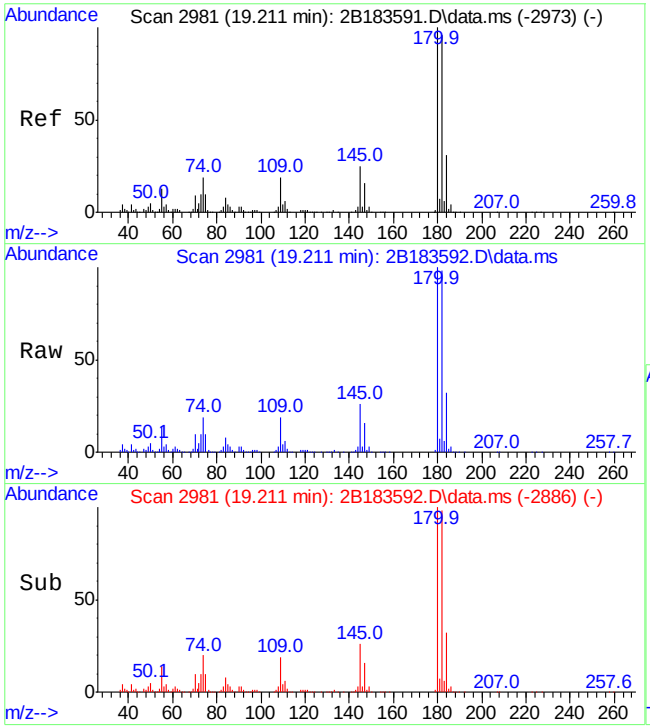


#119
1,3,5-trichlorobenzene
Concen: 106.10 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:180 Resp: 740023

Ion	Ratio	Lower	Upper
180	100		
182	97.9	67.9	127.9
184	32.2	1.5	61.5

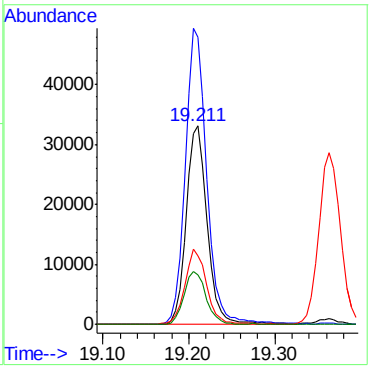


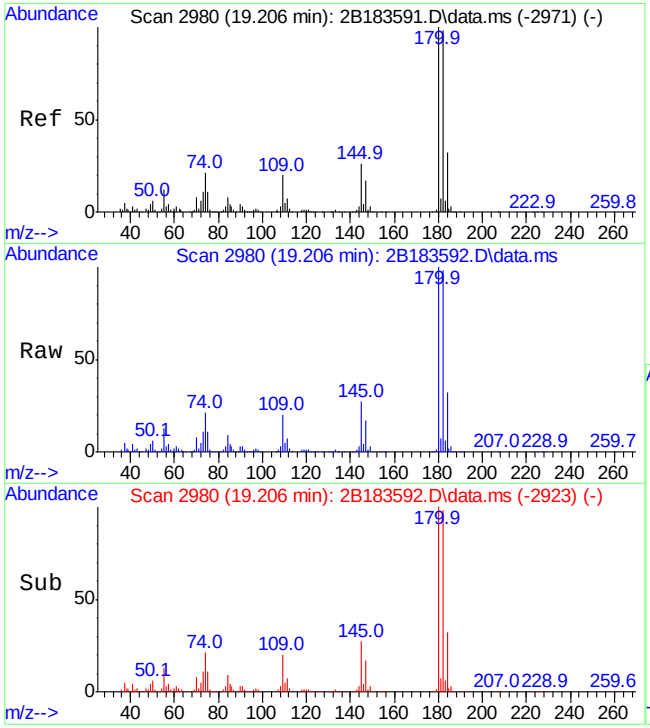


#120
2-ethylhexyl acrylate
Concen: 20.42 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion: 70 Resp: 56016

Ion	Ratio	Lower	Upper
70	100		
55	145.2	127.3	167.3
83	34.8	16.1	56.1
112	25.1	7.1	47.1

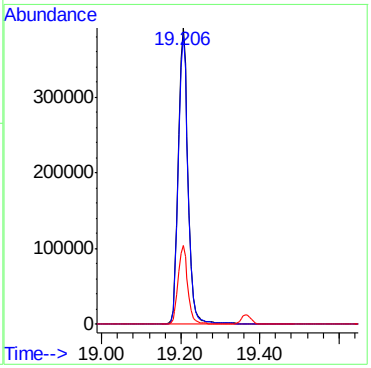


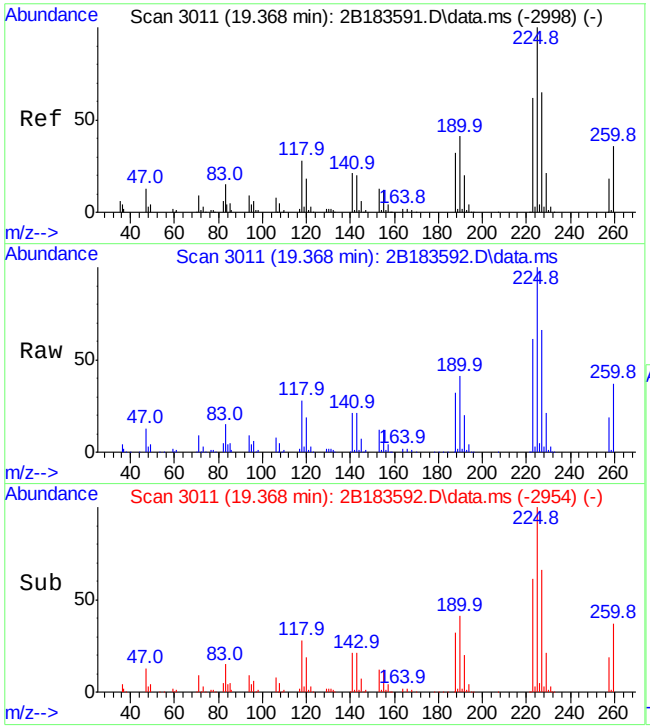


#121
1,2,4-trichlorobenzene
Concen: 106.51 ug/L
RT: 19.206 min Scan# 2980
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:180 Resp: 672487

Ion	Ratio	Lower	Upper
180	100		
182	97.7	68.2	128.2
145	26.6	0.0	56.2

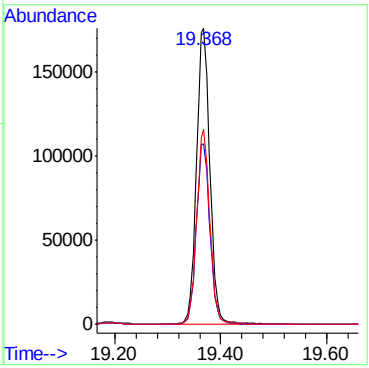


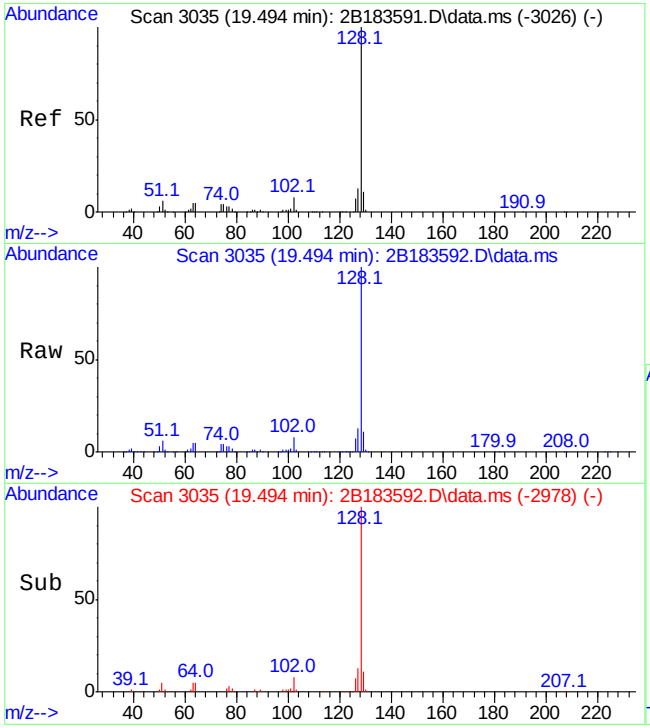


#122
hexachlorobutadiene
Concen: 98.00 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:225 Resp: 317563

Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.1	92.1
227	65.8	34.7	94.7

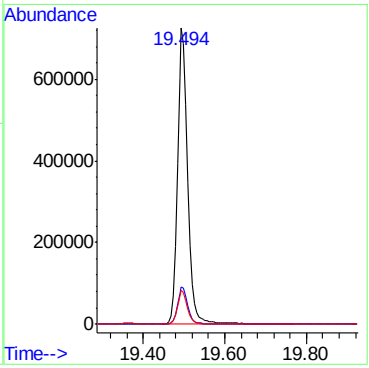


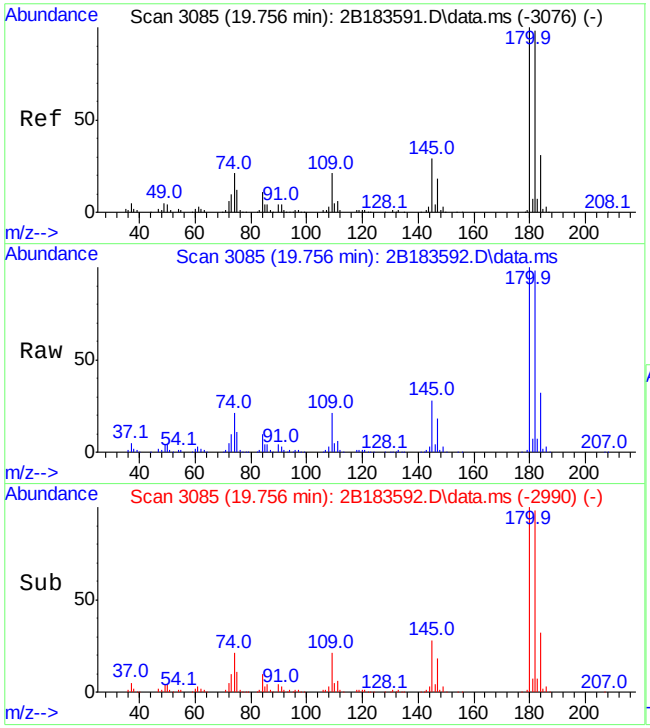


#123
naphthalene
Concen: 106.28 ug/L
RT: 19.494 min Scan# 3035
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:128 Resp: 1283040

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	42.6
129	11.4	0.0	41.2

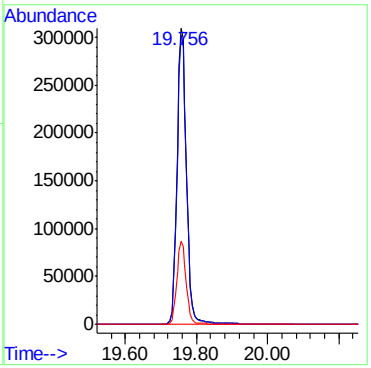


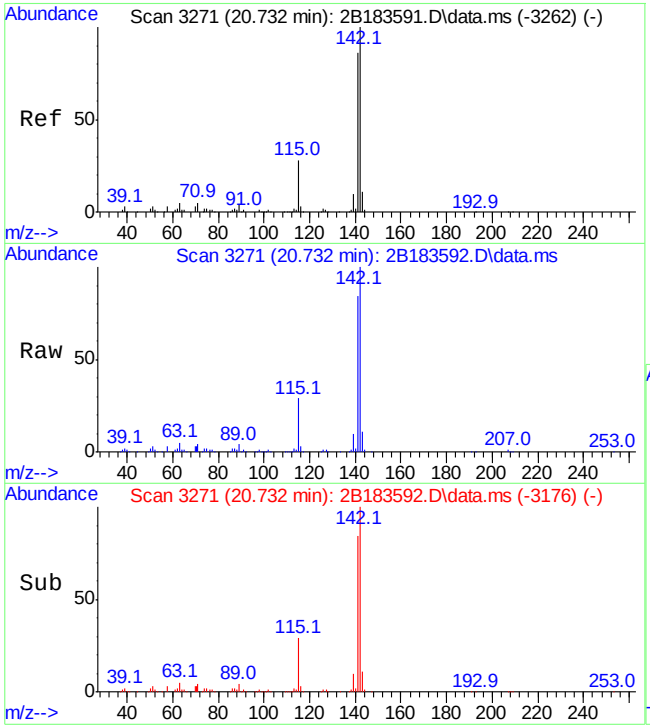


#124
1,2,3-trichlorobenzene
Concen: 107.09 ug/L
RT: 19.756 min Scan# 3085
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:180 Resp: 571181

Ion	Ratio	Lower	Upper
180	100		
182	97.8	68.2	128.2
145	28.2	0.0	58.6

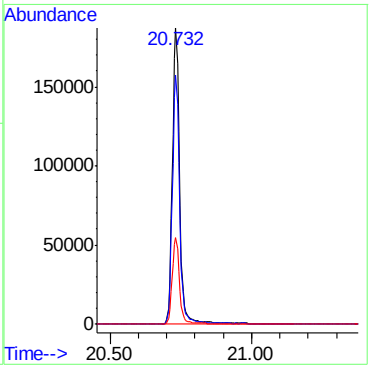




#125
2-methylnaphthalene
Concen: 51.43 ug/L
RT: 20.732 min Scan# 3271
Delta R.T. 0.000 min
Lab File: 2B183592.D
Acq: 16 Jun 21 9:48 pm

Tgt Ion:142 Resp: 342640

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.0	106.0
115	29.3	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183593.D
Acq On : 16 Jun 2021 10:17 pm
Operator : thienn
Sample : ic8337-200
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 18:49:31 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	7.750	65	114014	500.00	ug/L		0.00
5) pentafluorobenzene	10.256	168	356344	50.00	ug/L		0.00
51) 1,4-difluorobenzene	11.200	114	500601	50.00	ug/L		0.00
73) chlorobenzene-d5	14.550	117	523486	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	17.035	152	284645	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	10.235	113	157132	49.34	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.68%				
52) 1,2-dichloroethane-d4 (s)	10.675	65	162346	46.80	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 93.60%				
74) toluene-d8 (s)	12.951	98	601776	47.68	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.36%				
98) 4-bromofluorobenzene (s)	15.793	95	241955	50.82	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.64%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	7.876	59	275247	1089.27	ug/L		96
3) ethanol	6.334	45	468673	21697.64	ug/L		98
4) 1,4-dioxane	11.934	88	115504	5529.55	ug/L		94
6) chlorodifluoromethane	4.158	51	844354	192.64	ug/L		100
7) dichlorodifluoromethane	4.143	85	1163499	198.08	ug/L		100
8) chloromethane	4.552	50	974795	173.23	ug/L		98
9) vinyl chloride	4.798	62	952270	186.22	ug/L		99
10) 1,3-butadiene	4.829	54	625256	176.99	ug/L		99
11) bromomethane	5.448	94	718898	195.15	ug/L		99
12) chloroethane	5.616	64	506141	199.98	ug/L		98
13) trichlorofluoromethane	6.177	101	1201696	196.43	ug/L		99
14) ethyl ether	6.602	74	320996	211.44	ug/L		98
15) acrolein	6.790	56	102361	198.10	ug/L		98
16) freon 113	7.068	151	584631	189.01	ug/L		99
17) 1,1-dichloroethene	7.031	96	500144	188.18	ug/L		100
18) acetone	7.021	43	526232	781.50	ug/L		98
19) acetonitrile	7.446	41	569999	2010.51	ug/L		98
20) iodomethane	7.294	142	1151851	194.67	ug/L		99
21) carbon disulfide	7.461	76	1712910	188.69	ug/L		99
22) methylene chloride	7.776	84	583220	204.26	ug/L		99
23) methyl acetate	7.587	43	375142	216.37	ug/L		99
24) methyl tert butyl ether	8.237	73	1682745	196.88	ug/L		100
25) trans-1,2-dichloroethene	8.243	96	547886	190.03	ug/L		99
26) di-isopropyl ether	8.929	45	1719827	197.57	ug/L		97
27) 2-butanone	9.590	72	228262	885.28	ug/L		99
28) 1,1-dichloroethane	8.840	63	956411	197.65	ug/L		99
29) chloroprene	8.998	53	749499	200.82	ug/L		97
30) acrylonitrile	8.101	52	138859	215.68	ug/L		94
31) hexane	8.673	56	427257	200.54	ug/L		99
32) vinyl acetate	8.861	86	109706	209.11	ug/L	#	92
33) ethyl tert-butyl ether	9.433	59	1994377	209.83	ug/L		100
34) ethyl acetate	9.669	45	67631	208.52	ug/L	#	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183593.D
Acq On : 16 Jun 2021 10:17 pm
Operator : thienn
Sample : ic8337-200
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 18:49:31 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) 2,2-dichloropropane	9.674	77	862277	188.86	ug/L		98
36) cis-1,2-dichloroethene	9.637	96	592430	193.98	ug/L		98
37) methyl acrylate	9.742	55	425963	209.98	ug/L		98
38) propionitrile	9.632	54	631145	2044.43	ug/L		99
39) bromochloromethane	9.952	128	346967	199.69	ug/L		97
40) tetrahydrofuran	10.036	72	63880	212.18	ug/L		99
41) chloroform	10.025	85	654312	185.67	ug/L		99
42) t-butyl formate	10.114	59	522738	220.72	ug/L		94
44) methacrylonitrile	9.873	67	220480	221.56	ug/L		99
45) 1,1,1-trichloroethane	10.345	97	1014365	214.02	ug/L		99
46) cyclohexane	10.466	84	855972	203.42	ug/L		89
47) 1,1-dichloropropene	10.544	75	729920	198.03	ug/L		98
48) iso-butyl alcohol	10.502	43	186423	2231.40	ug/L		91
49) carbon tetrachloride	10.581	117	878036	197.85	ug/L		100
50) tert amyl alcohol	10.654	55	88426	1006.42	ug/L		91
53) n-butyl alcohol	11.299	56	676933	11175.45	ug/L		98
54) 2,2,4-trimethylpentane	10.911	57	2040368	203.20	ug/L		96
55) benzene	10.801	78	2026832	191.07	ug/L		99
56) tert-amyl methyl ether	10.896	87	467680	204.04	ug/L		93
57) heptane	11.090	71	467213	206.42	ug/L		98
58) isopropyl acetate	10.759	87	122974	217.34	ug/L	#	82
59) 1,2-dichloroethane	10.770	62	778024	191.90	ug/L		100
60) trichloroethene	11.561	130	700010	202.67	ug/L		99
61) ethyl acrylate	11.577	55	615103	209.20	ug/L		97
62) 2-nitropropane	12.301	41	162982	216.09	ug/L		97
63) 2-chloroethyl vinyl ether	12.385	63	1704746	1012.45	ug/L		96
64) methyl methacrylate	11.860	100	141480	214.36	ug/L	#	79
65) 1,2-dichloropropane	11.808	63	585156	203.92	ug/L		99
66) dibromomethane	11.949	93	371051	193.66	ug/L		96
67) methylcyclohexane	11.850	83	1048104	195.19	ug/L		99
68) bromodichloromethane	12.096	83	857773	210.51	ug/L		97
69) epichlorohydrin	12.469	57	268183	1051.05	ug/L		98
70) cis-1,3-dichloropropene	12.605	75	1014667	209.89	ug/L		98
71) 4-methyl-2-pentanone	12.720	58	803827	818.95	ug/L		97
72) 3-methyl-1-butanol	12.731	70	264249	4532.43	ug/L		97
75) toluene	13.024	92	1464897	195.88	ug/L		98
76) trans-1,3-dichloropropene	13.192	75	932265	208.45	ug/L		99
77) ethyl methacrylate	13.244	69	735327	203.02	ug/L		98
78) 1,1,2-trichloroethane	13.412	83	451334	194.89	ug/L		98
79) tetrachloroethene	13.669	164	576650	177.29	ug/L		98
80) 1,3-dichloropropane	13.611	76	898624	191.24	ug/L		98
81) 2-hexanone	13.632	58	721046	795.15	ug/L		97
82) butyl acetate	13.748	56	357923	206.82	ug/L		100
83) dibromochloromethane	13.889	129	772354	203.99	ug/L		98
84) 1,2-dibromoethane	14.052	107	622972	203.38	ug/L		99
85) n-butyl ether	14.576	57	2282121	197.24	ug/L		97
86) chlorobenzene	14.581	112	1705612	191.86	ug/L		97
87) 1,1,1,2-tetrachloroethane	14.644	131	715261	192.90	ug/L		99
88) ethylbenzene	14.671	91	2607961	181.75	ug/L		97
89) m,p-xylene	14.791	106	2265652	390.90	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183593.D
Acq On : 16 Jun 2021 10:17 pm
Operator : thienn
Sample : ic8337-200
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 18:49:31 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

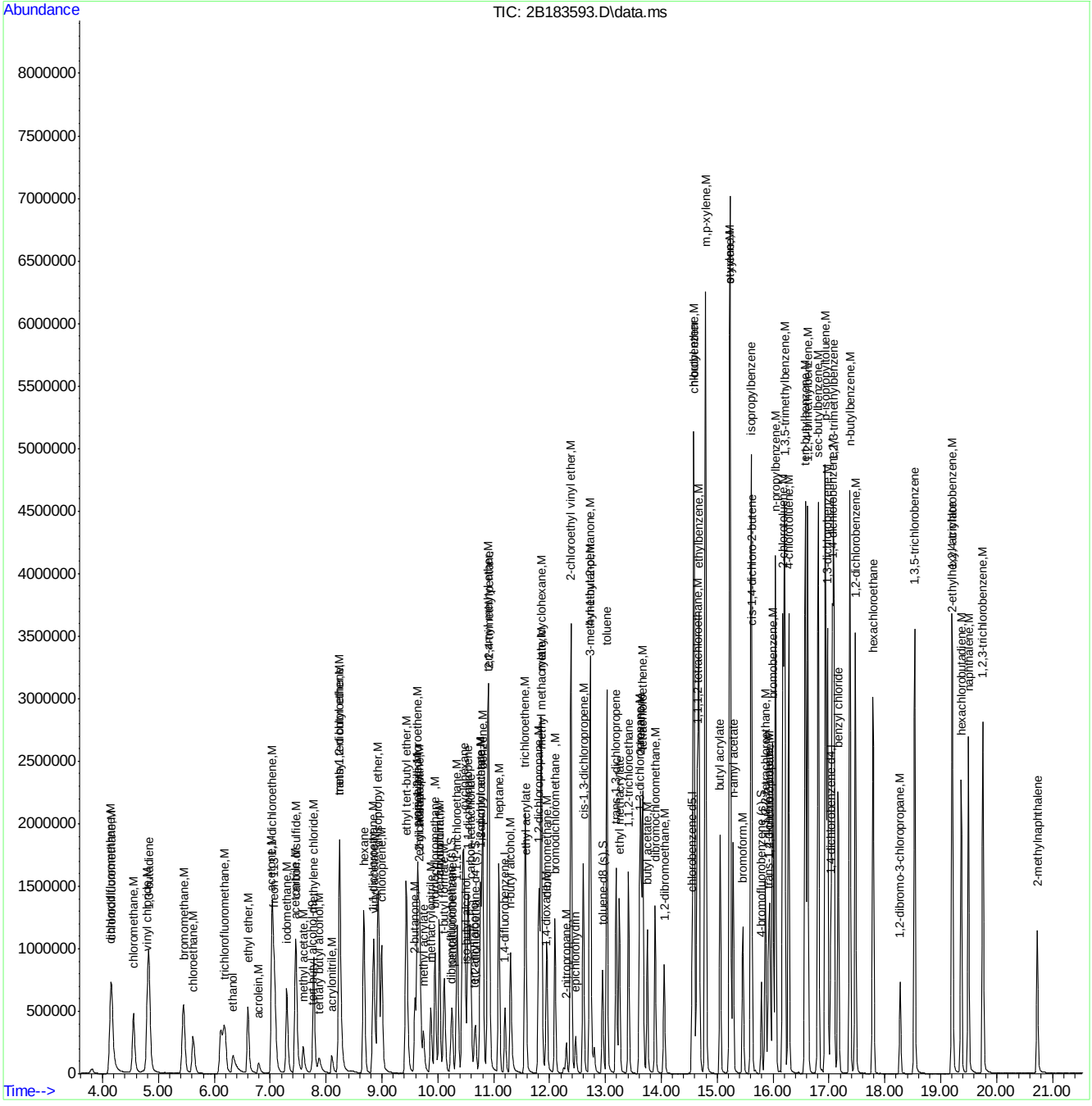
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	o-xylene	15.226	106	1219240	197.45	ug/L	95
91)	styrene	15.226	104	1946572	197.29	ug/L	98
92)	n-amyl acetate	15.284	70	439082	215.89	ug/L	95
93)	bromoform	15.462	173	624384	209.54	ug/L	97
94)	butyl acrylate	15.048	55	1261750	221.63	ug/L	99
95)	isopropylbenzene	15.604	105	3175524	188.56	ug/L	97
96)	cis-1,4-dichloro-2-butene	15.620	88	282842	199.18	ug/L	99
99)	bromobenzene	15.992	156	899939	194.55	ug/L	99
100)	1,1,2,2-tetrachloroethane	15.861	83	776130	203.78	ug/L	99
101)	trans-1,4-dichloro-2-b...	15.913	53	211222	213.71	ug/L	92
102)	1,2,3-trichloropropane	15.939	110	214797	194.48	ug/L	97
103)	n-propylbenzene	16.044	91	3364364	189.95	ug/L	97
104)	2-chlorotoluene	16.175	126	837429	200.63	ug/L	96
105)	4-chlorotoluene	16.280	91	2175650	194.58	ug/L	98
106)	1,3,5-trimethylbenzene	16.207	105	2558919	191.07	ug/L	97
107)	tert-butylbenzene	16.579	134	656110	206.12	ug/L	97
108)	1,2,4-trimethylbenzene	16.621	105	2668110	191.46	ug/L	98
109)	sec-butylbenzene	16.810	105	3537165	190.89	ug/L	96
110)	1,3-dichlorobenzene	16.972	146	1652739	189.80	ug/L	97
111)	p-isopropyltoluene	16.936	119	3105016	191.17	ug/L	97
112)	1,4-dichlorobenzene	17.061	146	1740892	203.76	ug/L	98
113)	benzyl chloride	17.166	91	1713904	219.51	ug/L	98
114)	1,2,3-trimethylbenzene	17.088	105	2666499	195.72	ug/L	99
115)	1,2-dichlorobenzene	17.476	146	1730539	199.03	ug/L	98
116)	n-butylbenzene	17.376	92	1536344	201.25	ug/L	94
117)	hexachloroethane	17.790	201	697529	206.98	ug/L	99
118)	1,2-dibromo-3-chloropr...	18.273	157	250851	213.16	ug/L	98
119)	1,3,5-trichlorobenzene	18.535	180	1434034	186.94	ug/L	99
120)	2-ethylhexyl acrylate	19.211	70	117943	38.46	ug/L	97
121)	1,2,4-trichlorobenzene	19.206	180	1289541	185.70	ug/L	100
122)	hexachlorobutadiene	19.368	225	617970	173.40	ug/L	99
123)	naphthalene	19.494	128	2512825	189.26	ug/L	99
124)	1,2,3-trichlorobenzene	19.756	180	1115175	190.11	ug/L	100
125)	2-methylnaphthalene	20.732	142	708049	95.68	ug/L	98

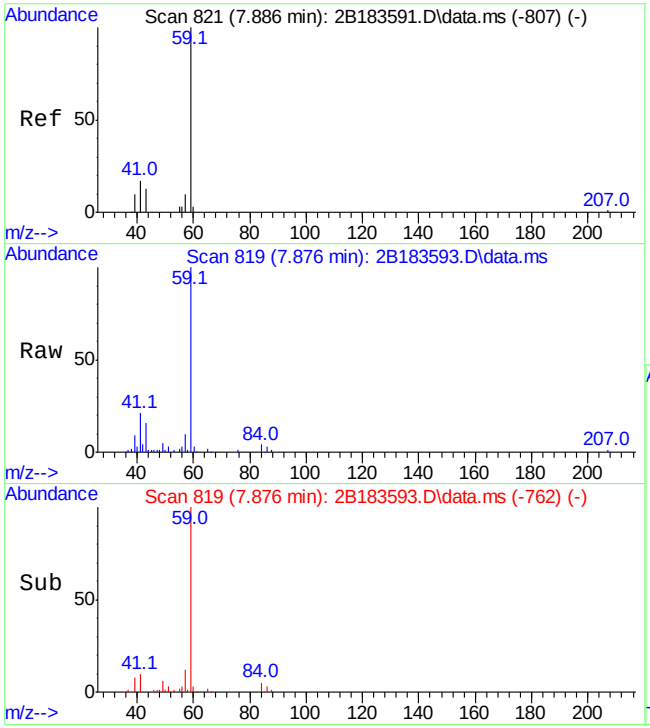
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183593.D
Acq On : 16 Jun 2021 10:17 pm
Operator : thienn
Sample : ic8337-200
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 17 18:49:31 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 18:48:00 2021
Response via : Initial Calibration

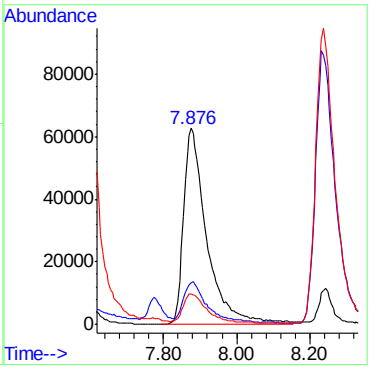


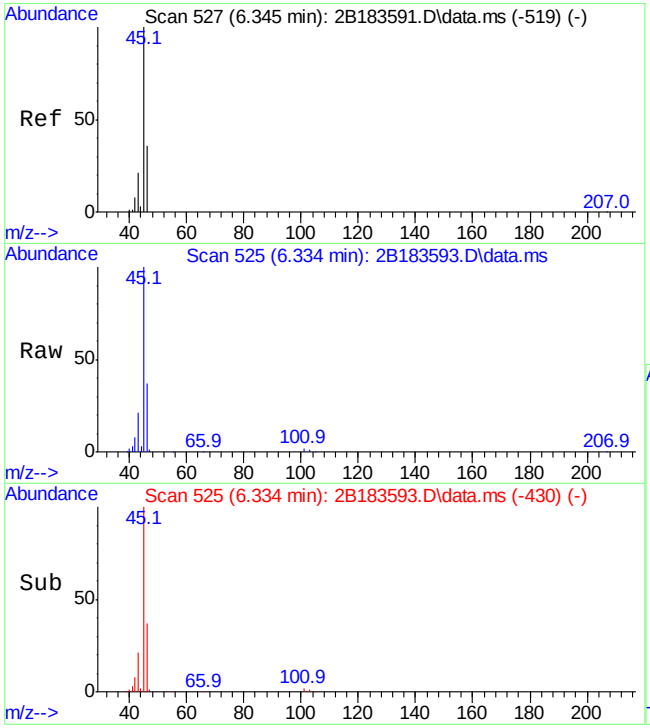


#2
tertiary butyl alcohol
Concen: 1089.27 ug/L
RT: 7.876 min Scan# 819
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 59 Resp: 275247

Ion	Ratio	Lower	Upper
59	100		
41	20.5	0.0	52.7
43	15.3	0.0	46.6

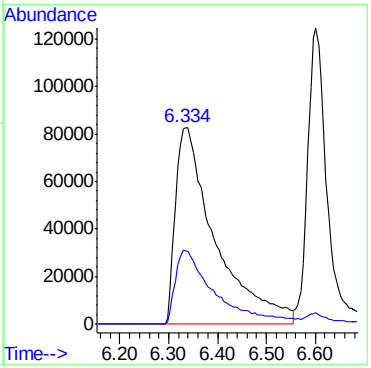


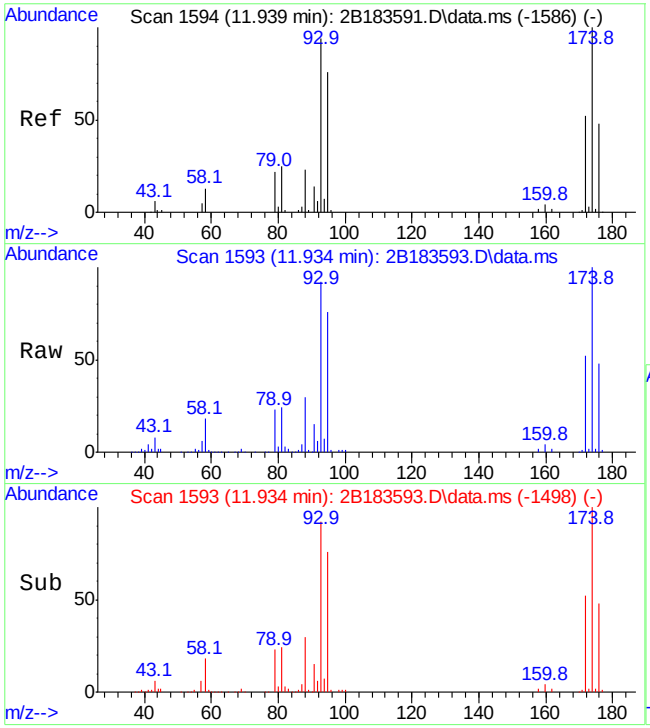


#3
ethanol
Concen: 21697.64 ug/L
RT: 6.334 min Scan# 525
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 45 Resp: 468673

Ion	Ratio	Lower	Upper
45	100		
46	37.2	6.1	66.1

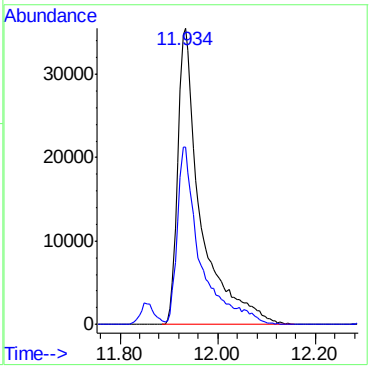


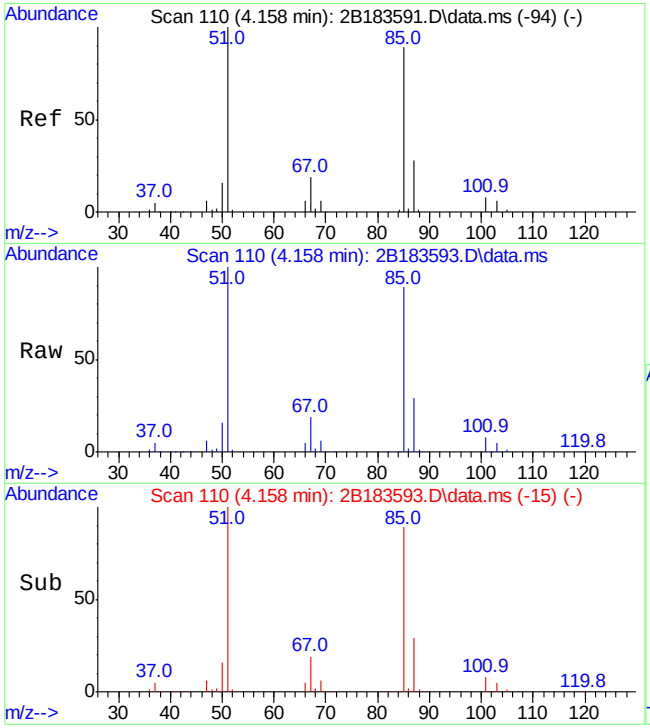


#4
1,4-dioxane
Concen: 5529.55 ug/L
RT: 11.934 min Scan# 1593
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 88 Resp: 115504

Ion	Ratio	Lower	Upper
88	100		
58	60.0	25.6	85.6

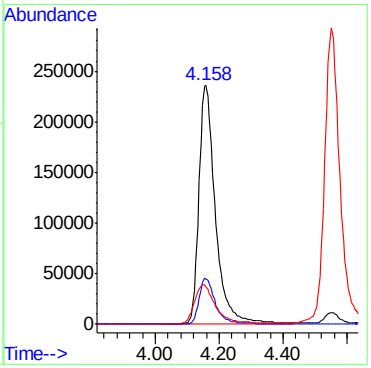


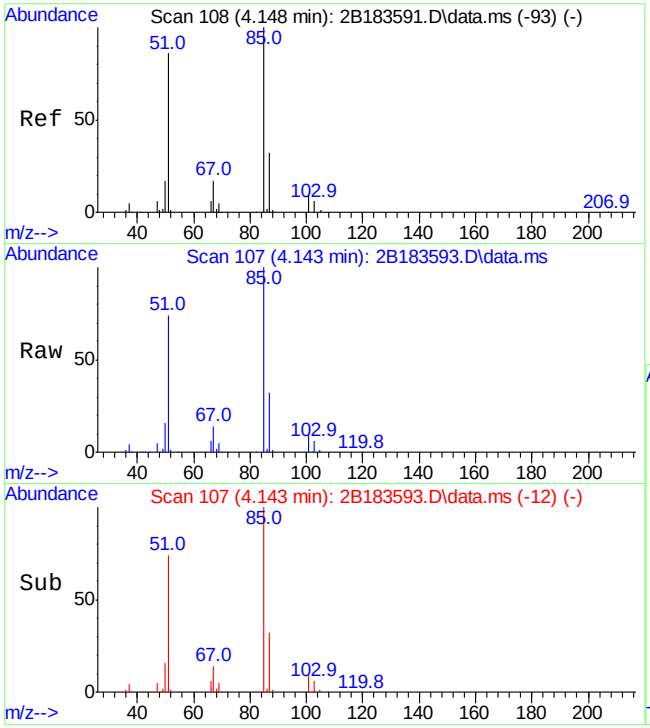


#6
chlorodifluoromethane
Concen: 192.64 ug/L
RT: 4.158 min Scan# 110
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 51 Resp: 844354

Ion	Ratio	Lower	Upper
51	100		
67	18.8	0.0	48.7
50	15.5	0.0	45.8

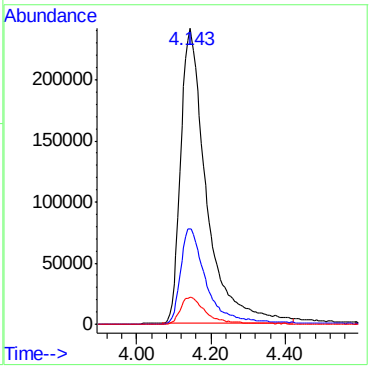


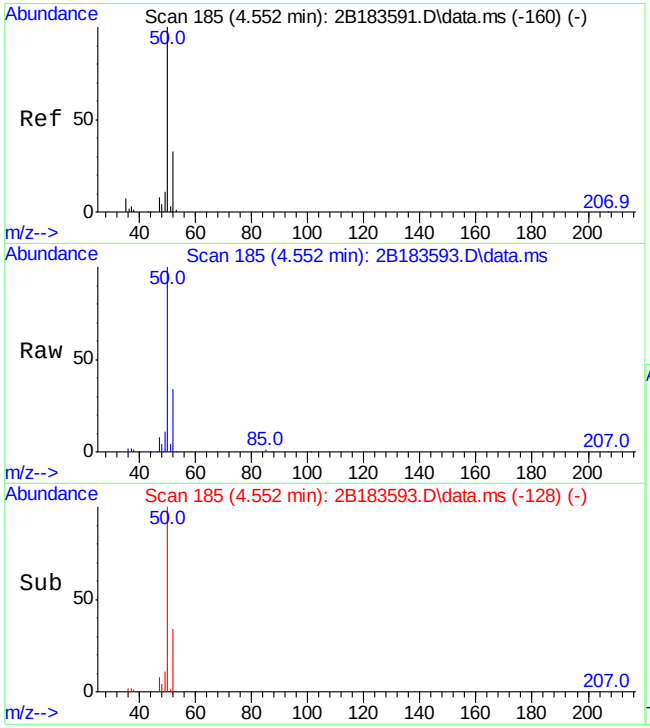


#7
dichlorodifluoromethane
Concen: 198.08 ug/L
RT: 4.143 min Scan# 107
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 85 Resp: 1163499

Ion	Ratio	Lower	Upper
85	100		
87	32.1	1.9	61.9
101	9.0	0.0	39.2

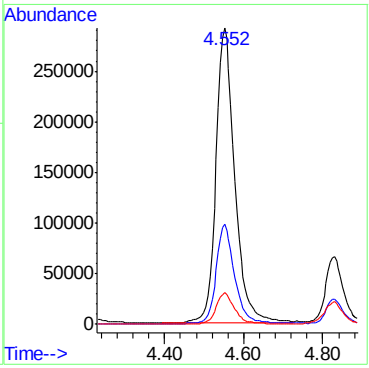


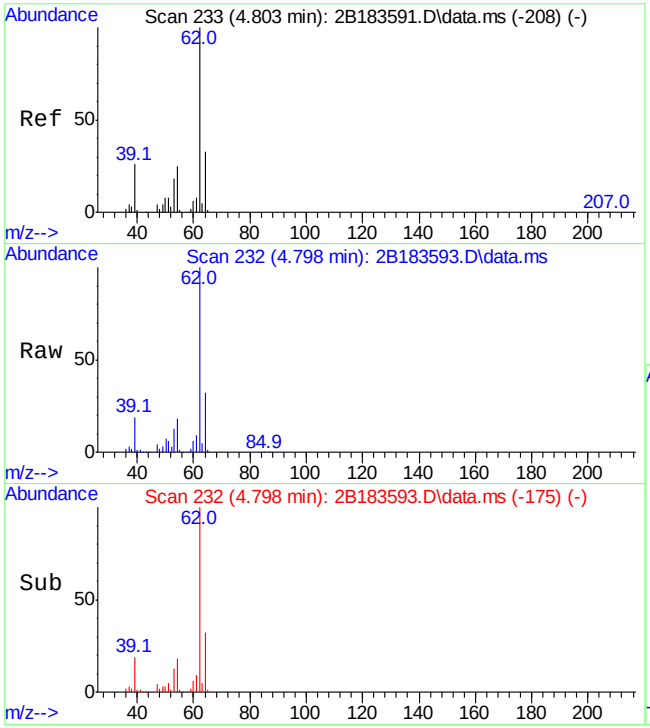


#8
chloromethane
Concen: 173.23 ug/L
RT: 4.552 min Scan# 185
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 50 Resp: 974795

Ion	Ratio	Lower	Upper
50	100		
52	33.9	2.9	62.9
49	10.7	0.0	41.3

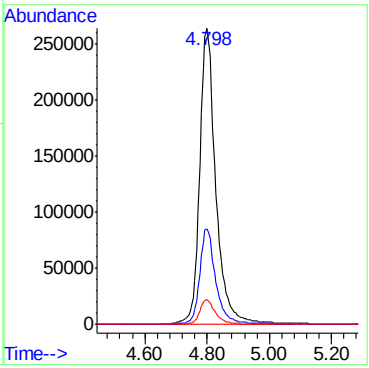


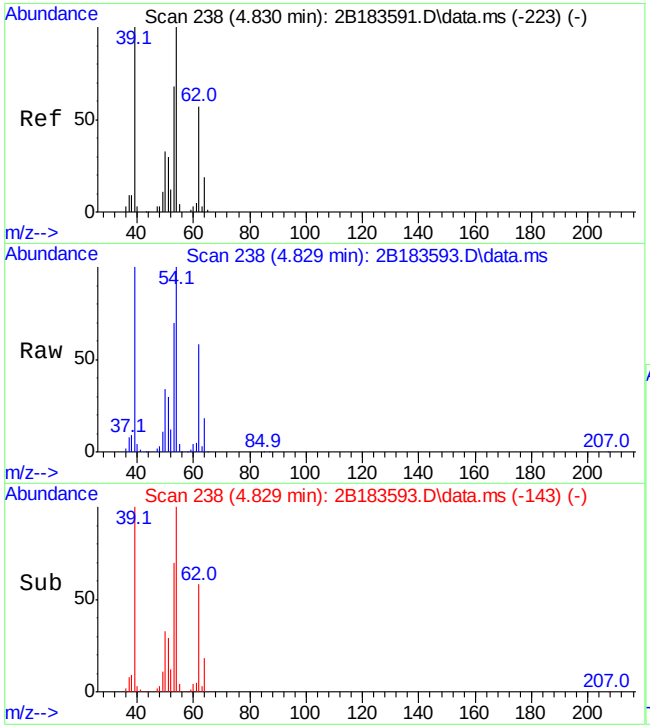


#9
vinyl chloride
Concen: 186.22 ug/L
RT: 4.798 min Scan# 232
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 62 Resp: 952270

Ion	Ratio	Lower	Upper
62	100		
64	32.3	3.0	63.0
61	8.5	0.0	38.4

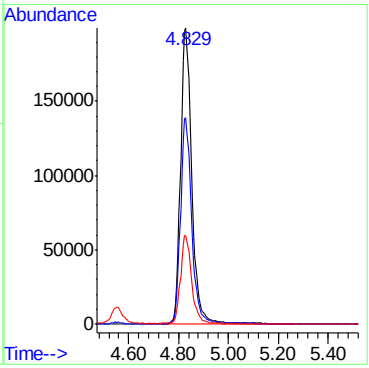


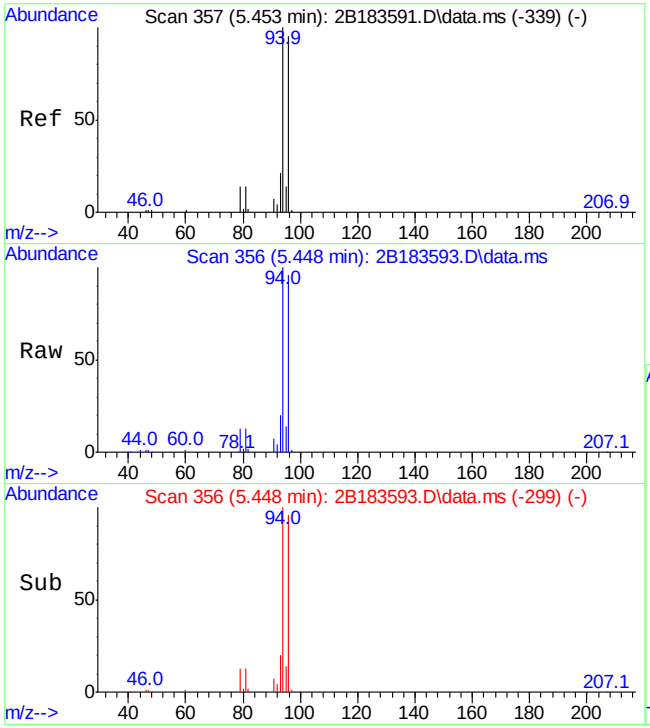


#10
1,3-butadiene
Concen: 176.99 ug/L
RT: 4.829 min Scan# 238
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 54 Resp: 625256

Ion	Ratio	Lower	Upper
54	100		
53	69.5	38.4	98.4
51	30.0	0.0	60.0

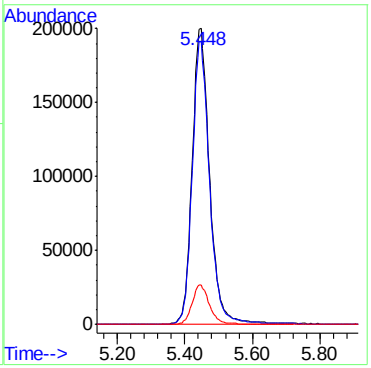


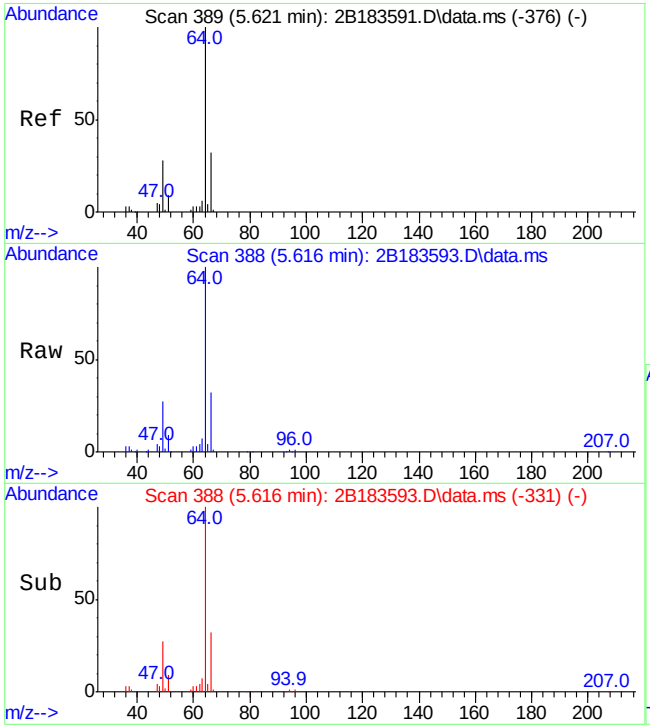


#11
bromomethane
Concen: 195.15 ug/L
RT: 5.448 min Scan# 356
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 94 Resp: 718898

Ion	Ratio	Lower	Upper
94	100		
96	95.7	65.2	125.2
79	13.3	0.0	44.4

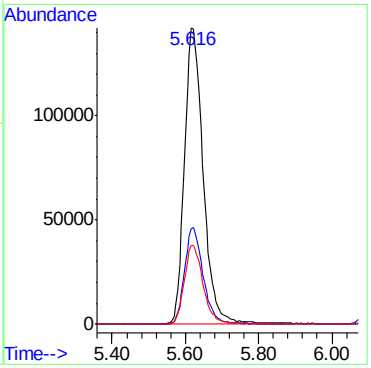


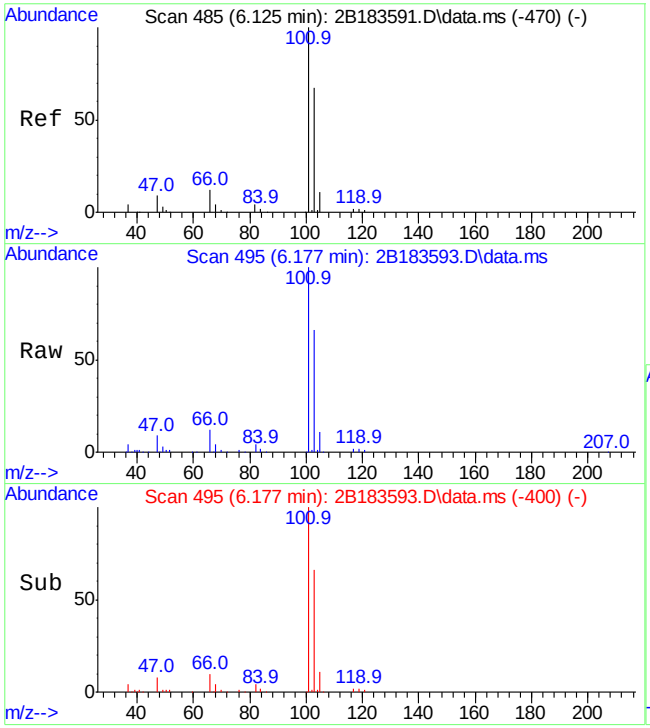


#12
chloroethane
Concen: 199.98 ug/L
RT: 5.616 min Scan# 388
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 64 Resp: 506141

Ion	Ratio	Lower	Upper
64	100		
66	32.3	1.7	61.7
49	26.5	0.0	57.6

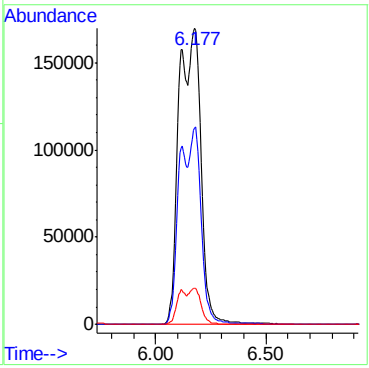


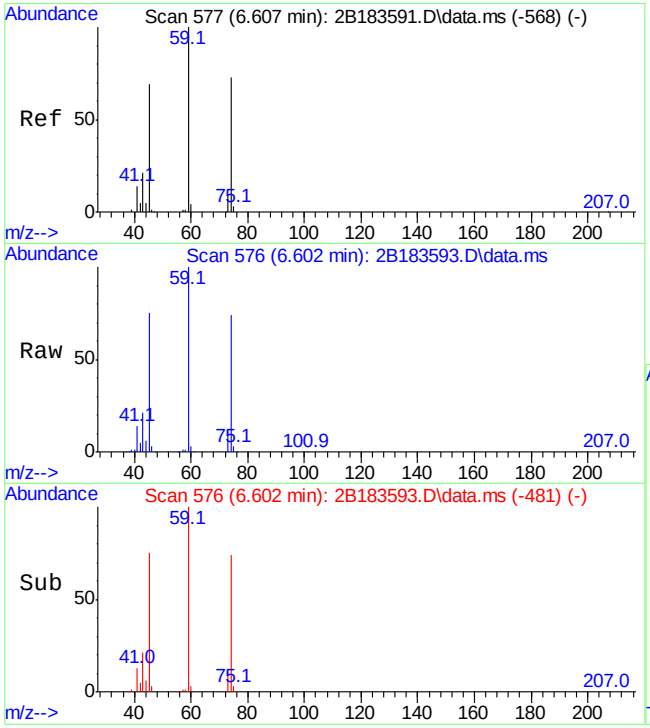


#13
trichlorofluoromethane
Concen: 196.43 ug/L
RT: 6.177 min Scan# 495
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:101 Resp: 1201696

Ion	Ratio	Lower	Upper
101	100		
103	66.4	37.3	97.3
66	12.3	0.0	42.3

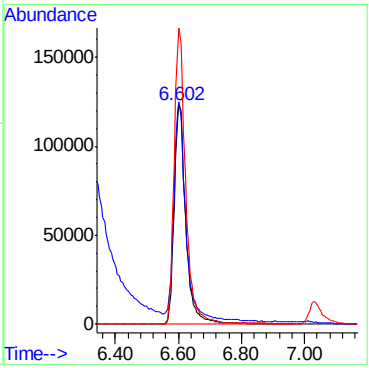


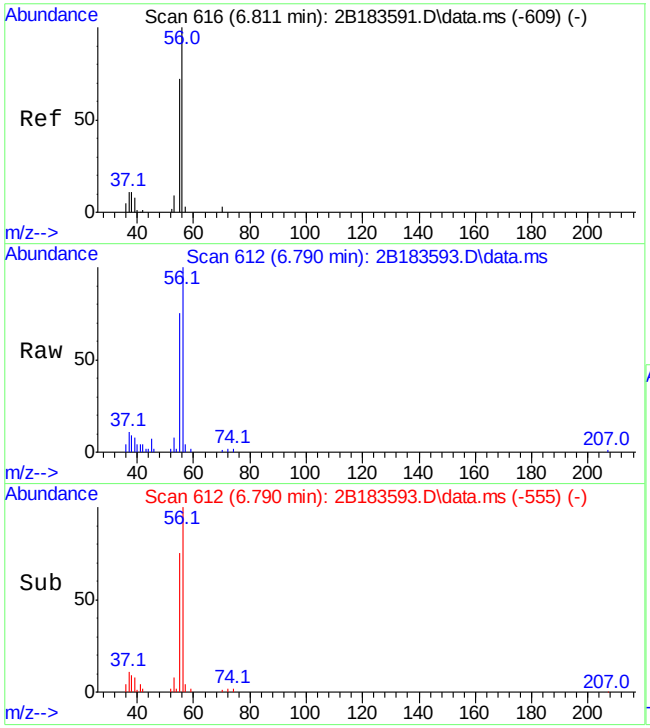


#14
ethyl ether
Concen: 211.44 ug/L
RT: 6.602 min Scan# 576
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 74 Resp: 320996

Ion	Ratio	Lower	Upper
74	100		
45	99.9	69.2	129.2
59	134.8	107.5	167.5

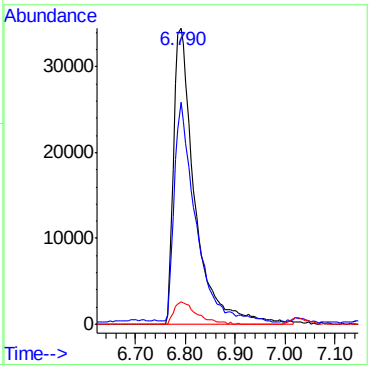


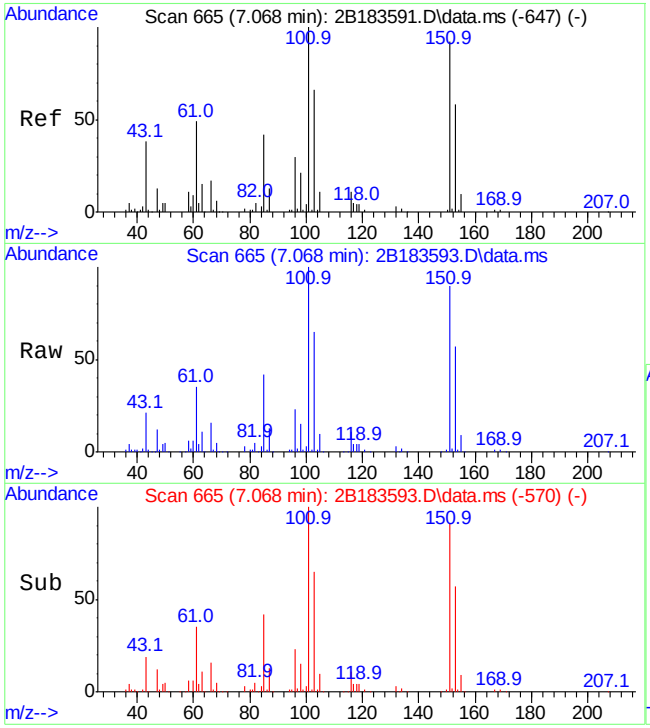


#15
acrolein
Concen: 198.10 ug/L
RT: 6.790 min Scan# 612
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 56 Resp: 102361

Ion	Ratio	Lower	Upper
56	100		
55	73.6	41.6	101.6
53	7.7	0.0	38.7

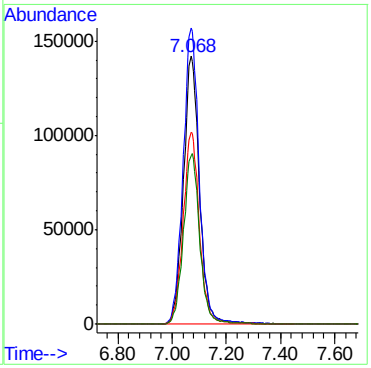


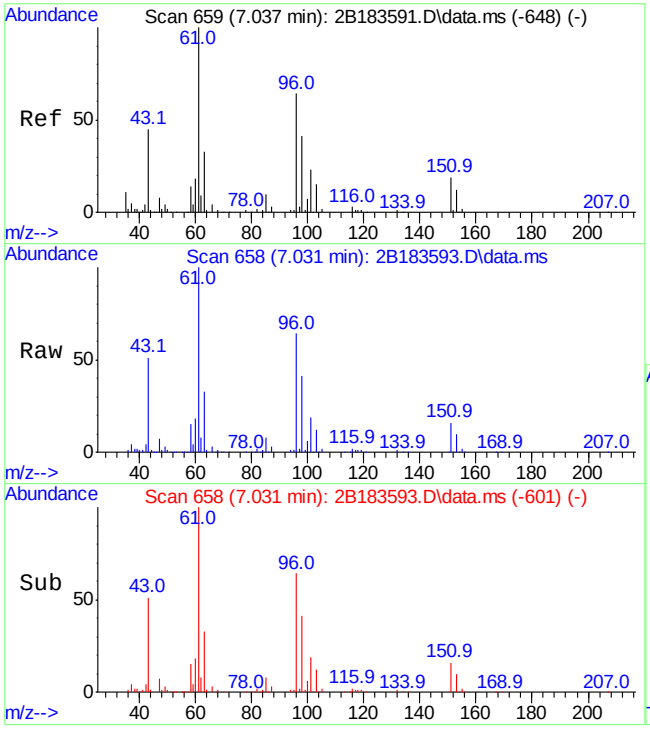


#16
freon 113
Concen: 189.01 ug/L
RT: 7.068 min Scan# 665
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:151 Resp: 584631

Ion	Ratio	Lower	Upper
151	100		
101	110.6	88.6	128.6
103	71.5	52.2	92.2
153	62.7	42.8	82.8

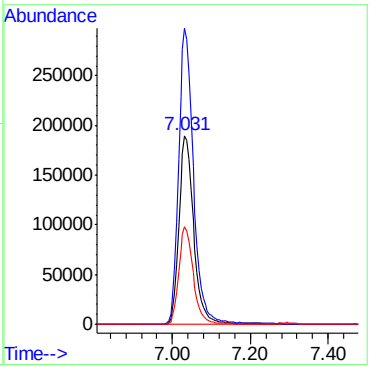


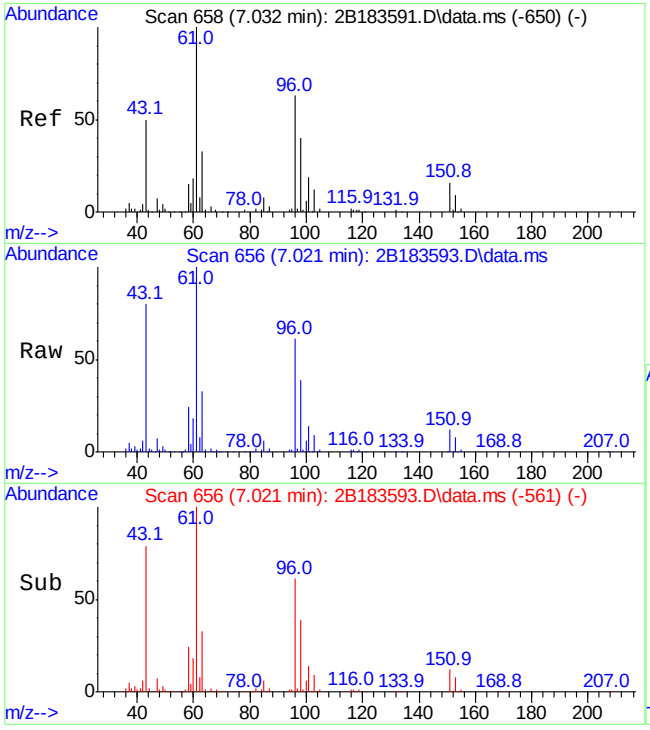


#17
1,1-dichloroethene
Concen: 188.18 ug/L
RT: 7.031 min Scan# 658
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 96 Resp: 500144

Ion	Ratio	Lower	Upper
96	100		
61	156.8	127.2	187.2
63	51.8	21.7	81.7

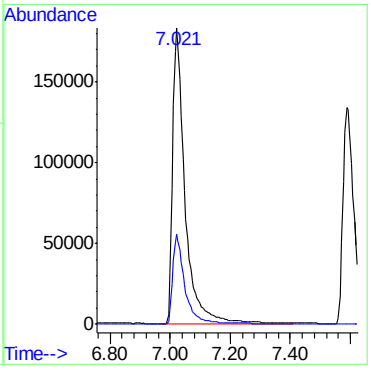


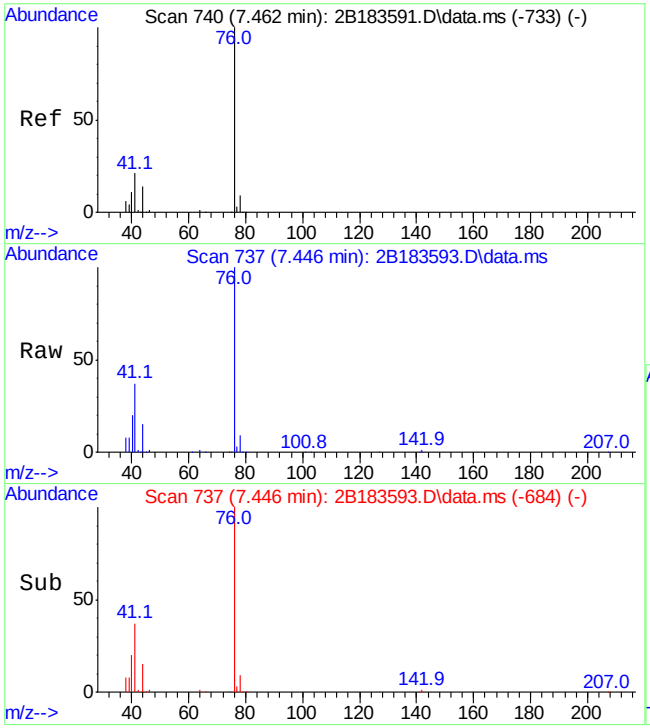


#18
acetone
Concen: 781.50 ug/L
RT: 7.021 min Scan# 656
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 43 Resp: 526232

Ion	Ratio	Lower	Upper
43	100		
58	30.4	0.0	59.5

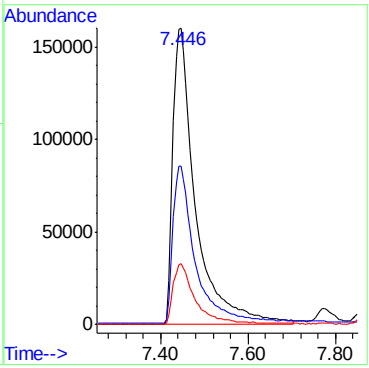


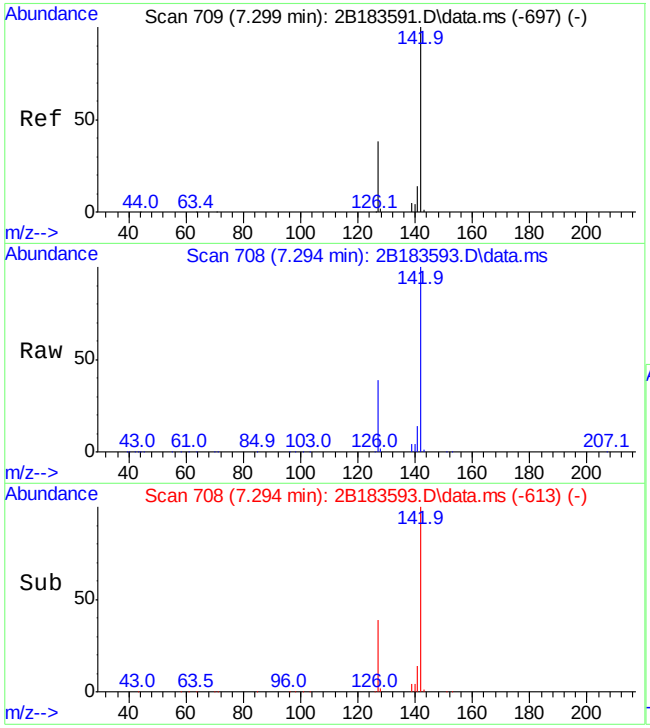


#19
acetonitrile
Concen: 2010.51 ug/L
RT: 7.446 min Scan# 737
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 41 Resp: 569999

Ion	Ratio	Lower	Upper
41	100		
40	52.9	21.2	81.2
39	20.6	0.0	51.1

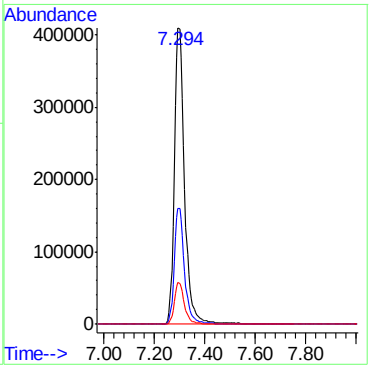


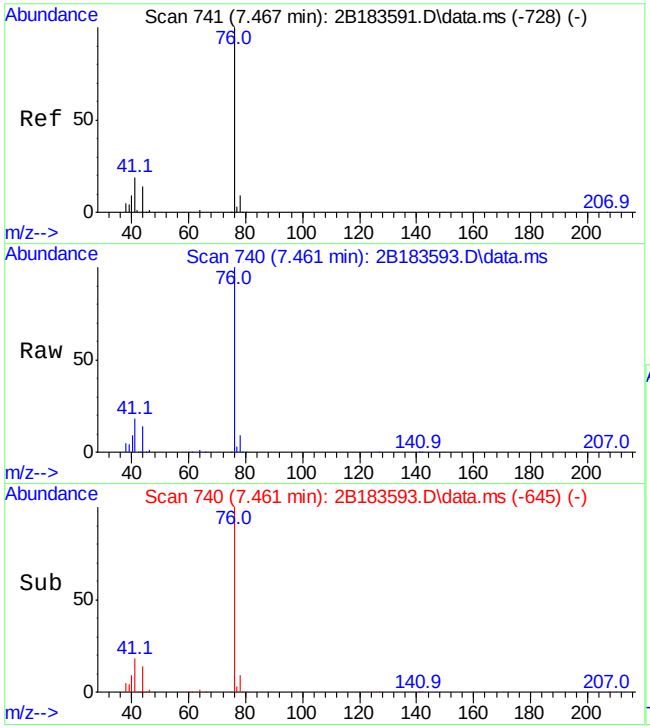


#20
iodomethane
Concen: 194.67 ug/L
RT: 7.294 min Scan# 708
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:142 Resp: 1151851

Ion	Ratio	Lower	Upper
142	100		
127	39.0	8.2	68.2
141	14.0	0.0	43.6

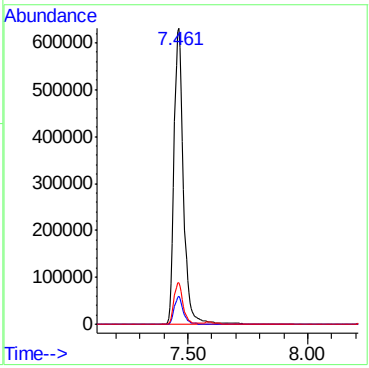


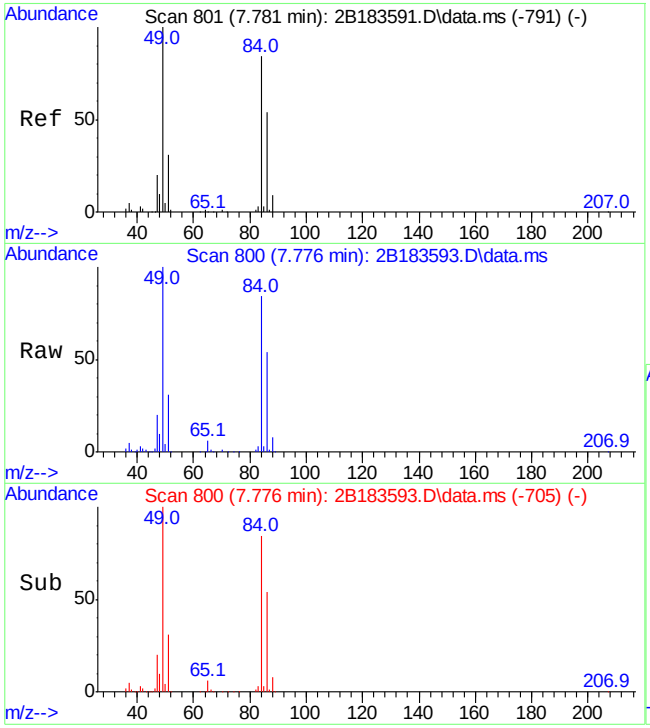


#21
carbon disulfide
Concen: 188.69 ug/L
RT: 7.461 min Scan# 740
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 76 Resp: 1712910

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	39.2
44	13.9	0.0	44.1

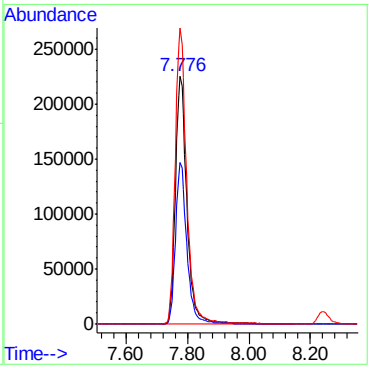


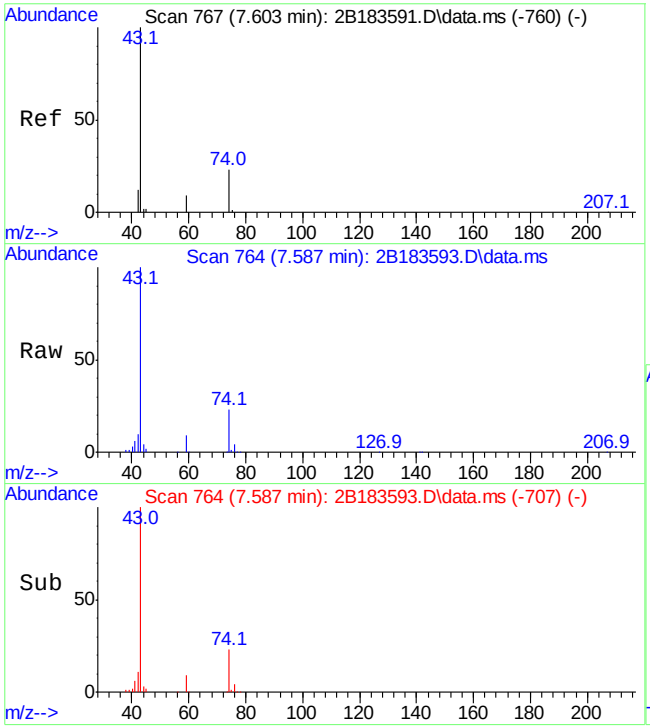


#22
methylene chloride
Concen: 204.26 ug/L
RT: 7.776 min Scan# 800
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 84 Resp: 583220

Ion	Ratio	Lower	Upper
84	100		
86	64.9	34.1	94.1
49	119.2	88.6	148.6

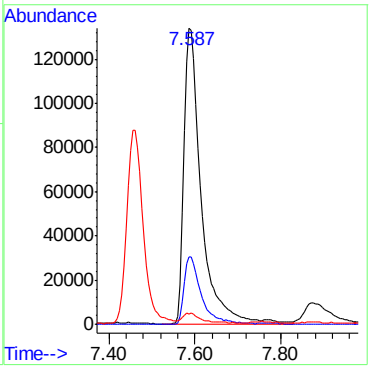


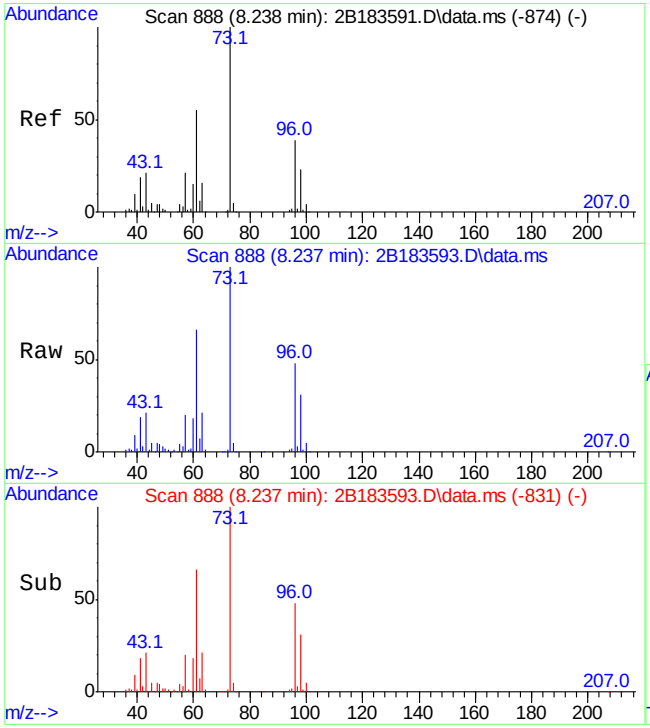


#23
methyl acetate
Concen: 216.37 ug/L
RT: 7.587 min Scan# 764
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 43 Resp: 375142

Ion	Ratio	Lower	Upper
43	100		
74	22.9	0.0	53.3
44	3.3	0.0	32.4

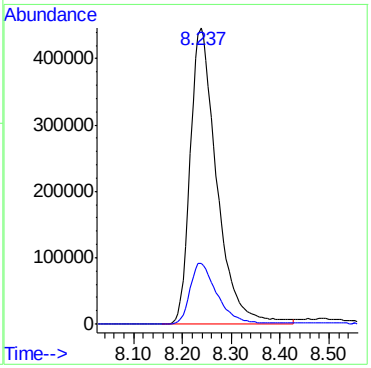


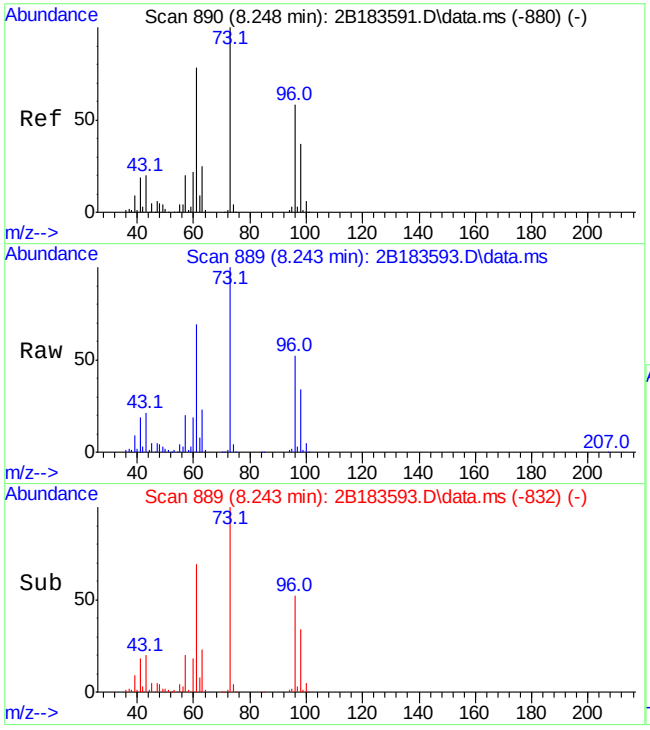


#24
methyl tert butyl ether
Concen: 196.88 ug/L
RT: 8.237 min Scan# 888
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 73 Resp: 1682745

Ion	Ratio	Lower	Upper
73	100		
57	20.4	0.0	220.5

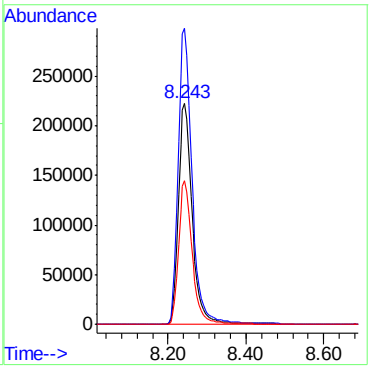


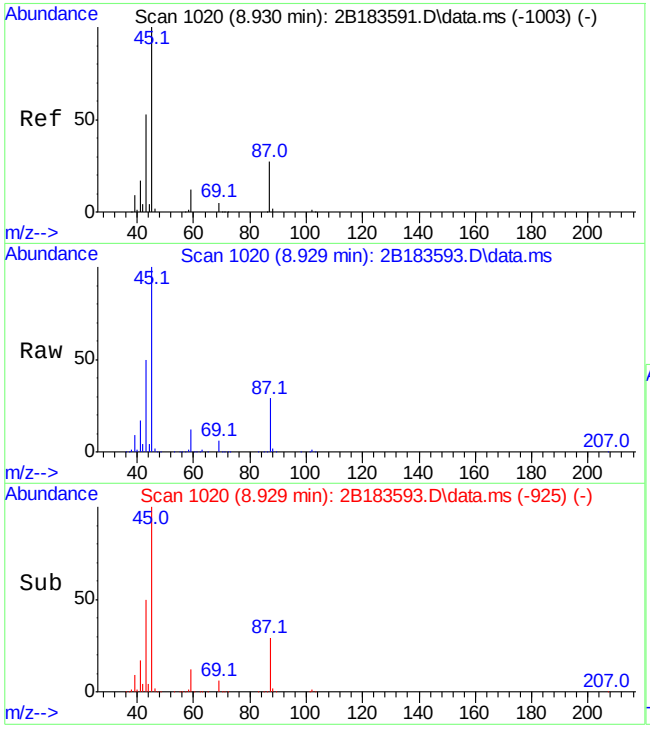


#25
trans-1,2-dichloroethene
Concen: 190.03 ug/L
RT: 8.243 min Scan# 889
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 96 Resp: 547886

Ion	Ratio	Lower	Upper
96	100		
61	133.6	103.8	163.8
98	65.1	34.0	94.0

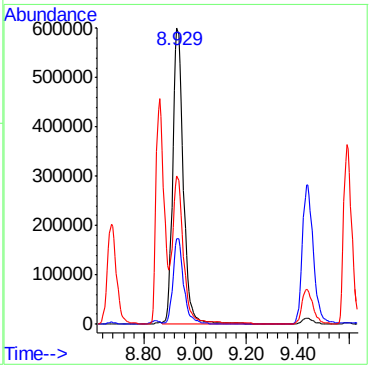


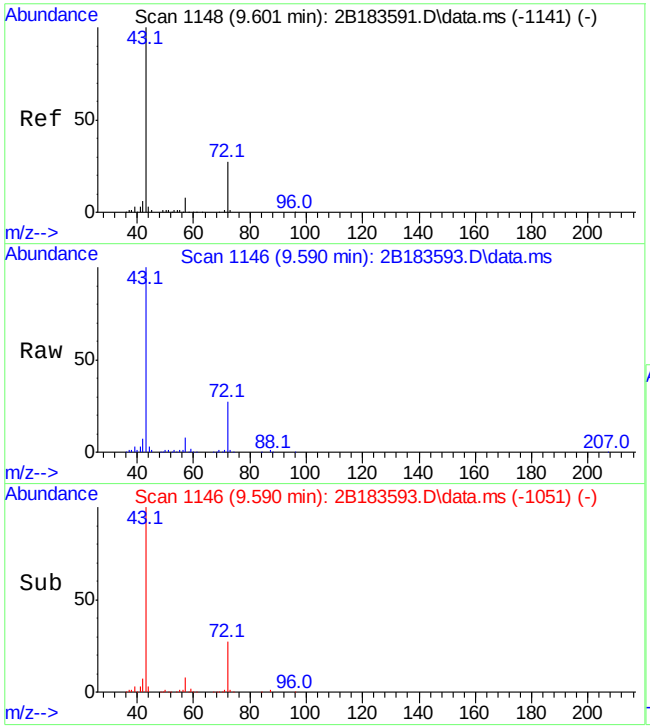


#26
di-isopropyl ether
Concen: 197.57 ug/L
RT: 8.929 min Scan# 1020
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 45 Resp: 1719827

Ion	Ratio	Lower	Upper
45	100		
87	28.6	0.0	58.2
43	50.1	23.5	83.5

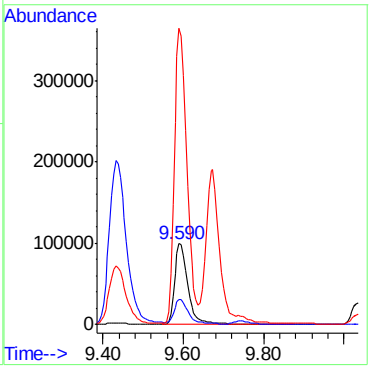


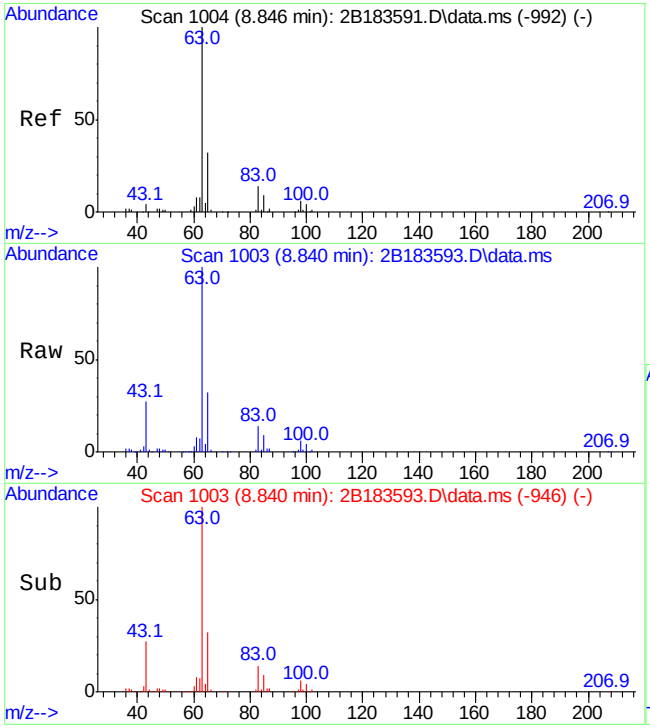


#27
2-butanone
Concen: 885.28 ug/L
RT: 9.590 min Scan# 1146
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 72 Resp: 228262

Ion	Ratio	Lower	Upper
72	100		
57	30.6	0.0	59.8
43	366.6	334.2	394.2

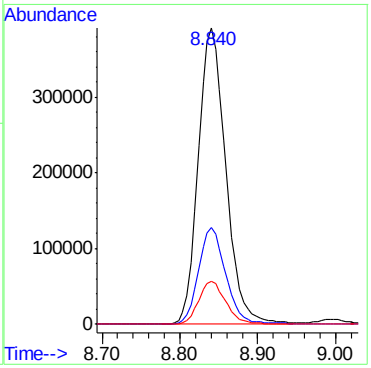


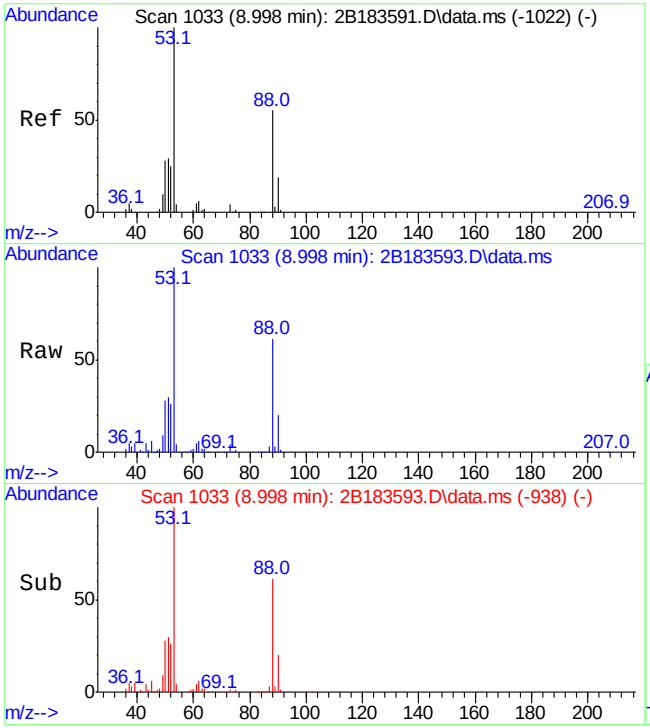


#28
1,1-dichloroethane
Concen: 197.65 ug/L
RT: 8.840 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 63 Resp: 956411

Ion	Ratio	Lower	Upper
63	100		
65	32.5	2.1	62.1
83	14.5	0.0	44.4

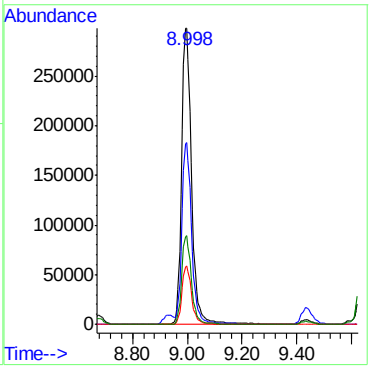


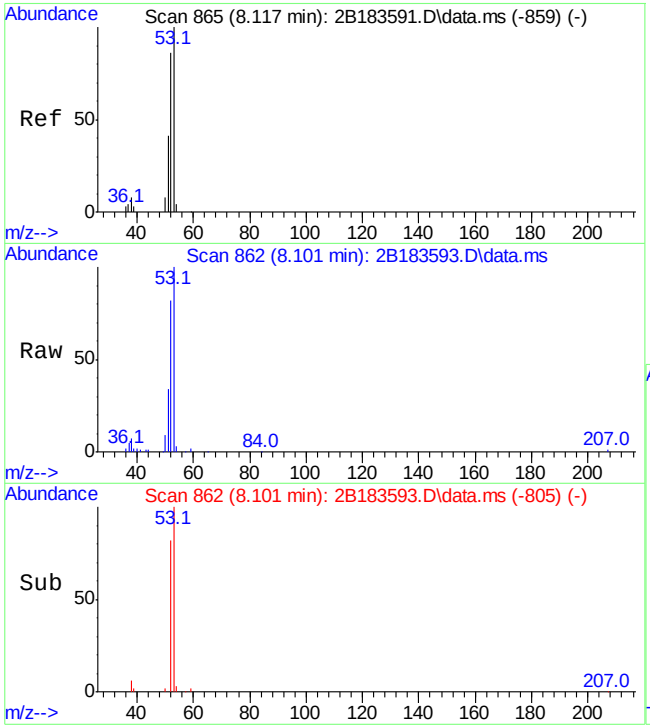


#29
chloroprene
Concen: 200.82 ug/L
RT: 8.998 min Scan# 1033
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 53 Resp: 749499

Ion	Ratio	Lower	Upper
53	100		
88	61.1	27.6	87.6
90	19.7	0.0	48.9
51	30.0	0.0	59.1

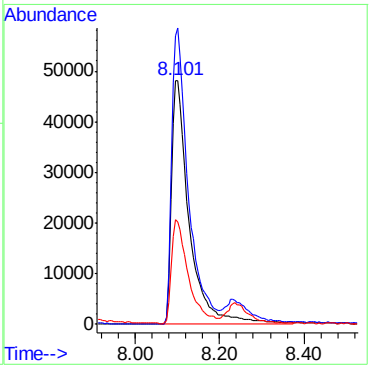


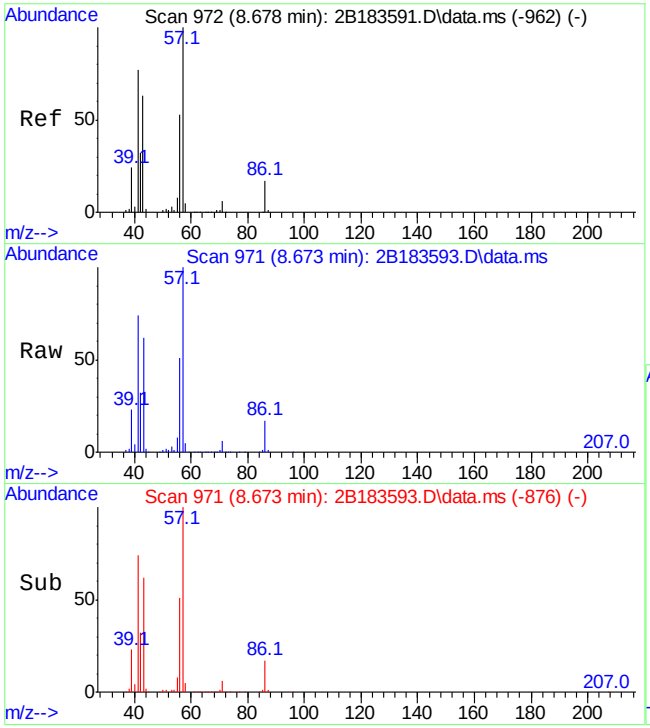


#30
acrylonitrile
Concen: 215.68 ug/L
RT: 8.101 min Scan# 862
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 52 Resp: 138859

Ion	Ratio	Lower	Upper
52	100		
53	121.4	86.6	146.6
51	41.9	17.8	77.8

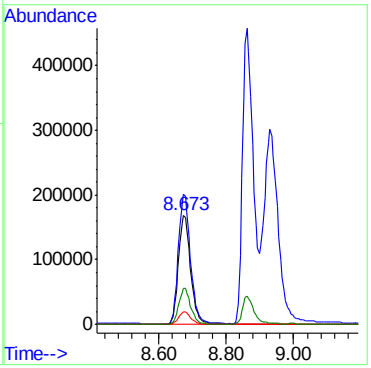


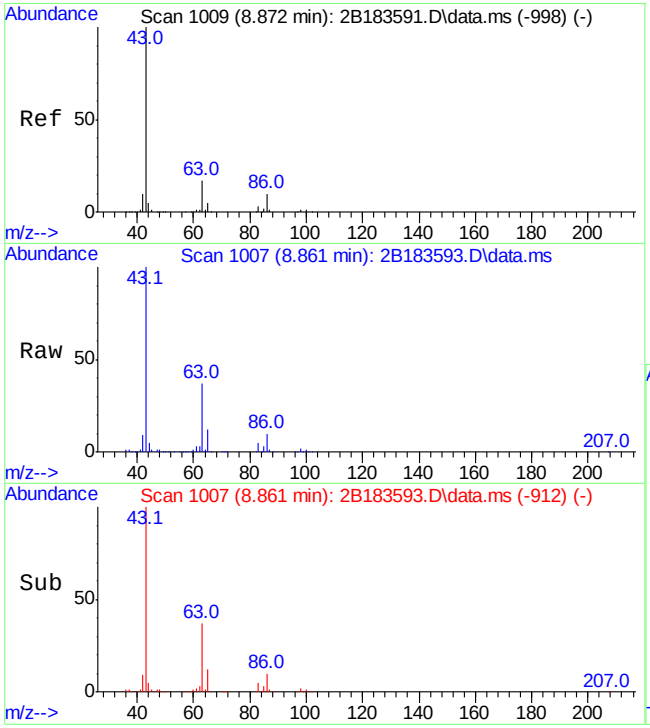


#31
hexane
Concen: 200.54 ug/L
RT: 8.673 min Scan# 971
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 56 Resp: 427257

Ion	Ratio	Lower	Upper
56	100		
43	119.8	99.4	139.4
71	11.2	0.0	31.0
86	33.0	12.3	52.3

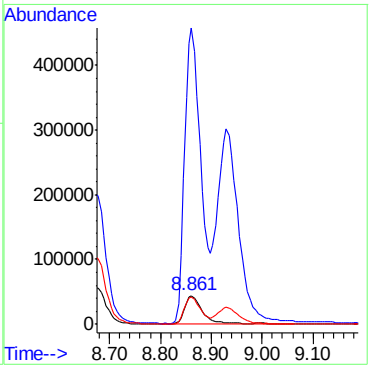


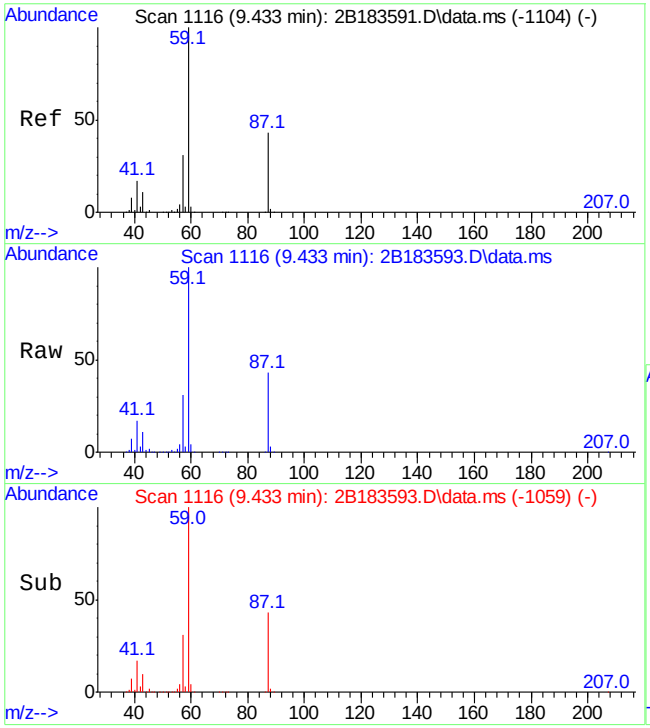


#32
vinyl acetate
Concen: 209.11 ug/L
RT: 8.861 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 86 Resp: 109706

Ion	Ratio	Lower	Upper
86	100		
43	1050.9	981.3	1041.3#
42	94.7	66.4	126.4

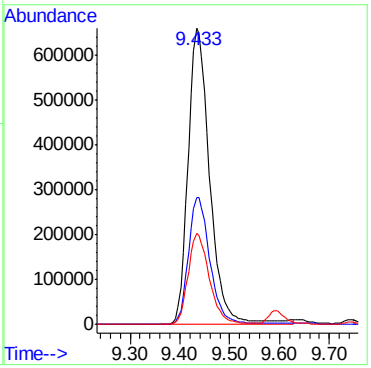


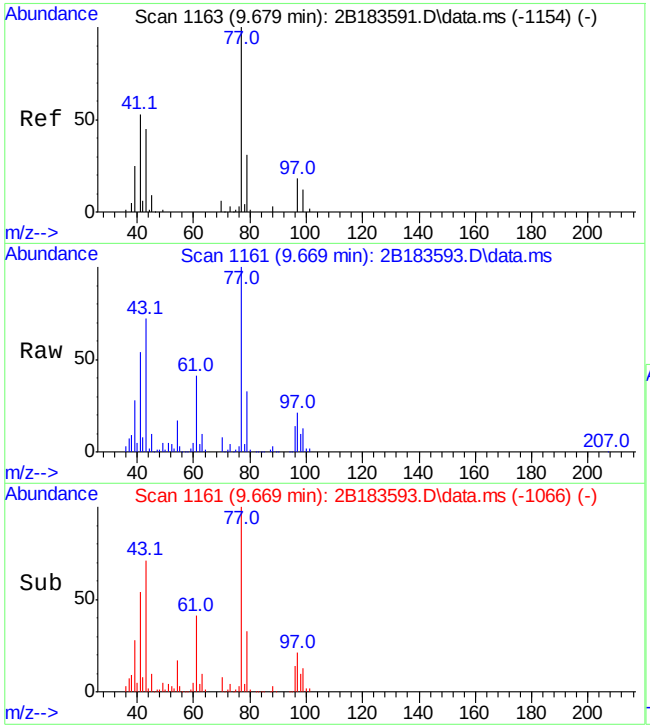


#33
ethyl tert-butyl ether
Concen: 209.83 ug/L
RT: 9.433 min Scan# 1116
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 59 Resp: 1994377

Ion	Ratio	Lower	Upper
59	100		
87	42.9	12.7	72.7
57	30.5	0.9	60.9

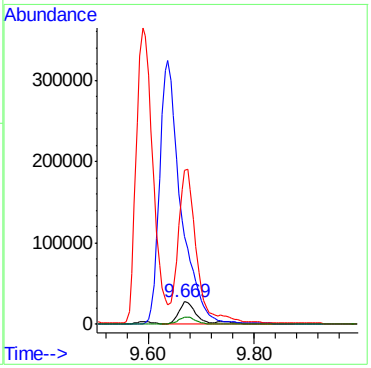


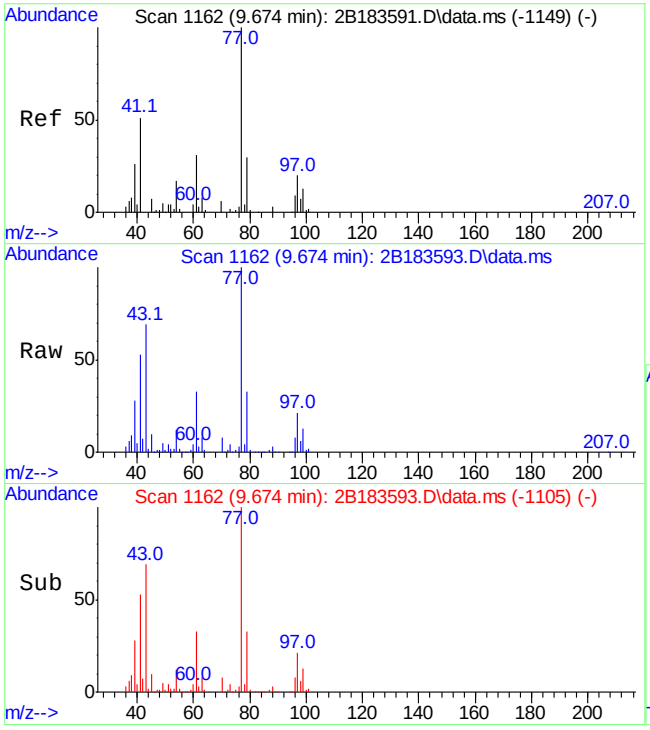


#34
ethyl acetate
Concen: 208.52 ug/L
RT: 9.669 min Scan# 1161
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 45 Resp: 67631

Ion	Ratio	Lower	Upper
45	100		
61	396.3	302.1	362.1#
43	692.9	653.2	713.2
88	33.1	1.5	61.5

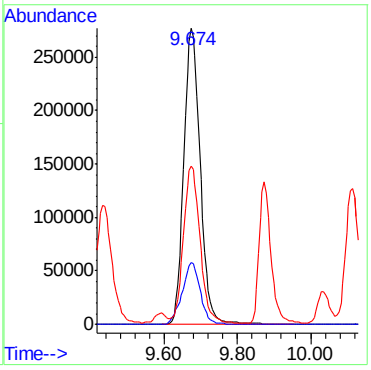


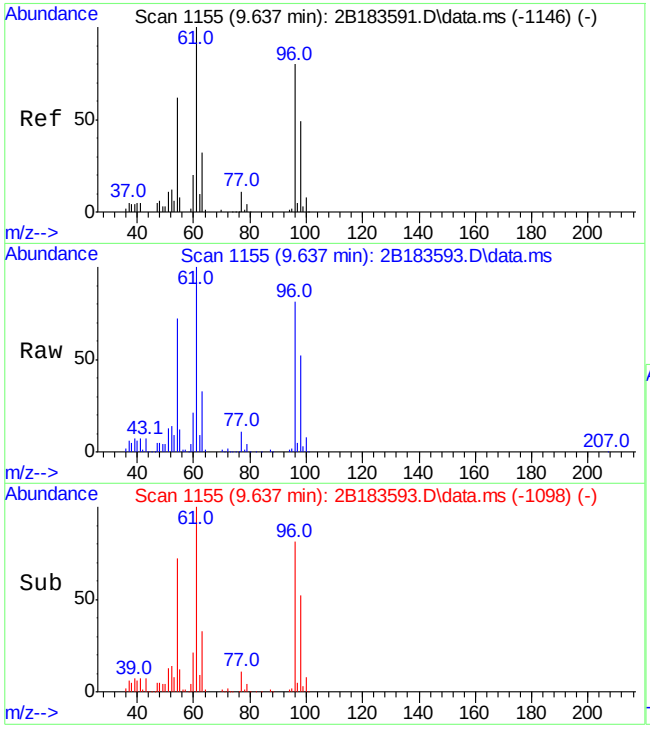


#35
2,2-dichloropropane
Concen: 188.86 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 77 Resp: 862277

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	50.3
41	52.4	20.8	80.8

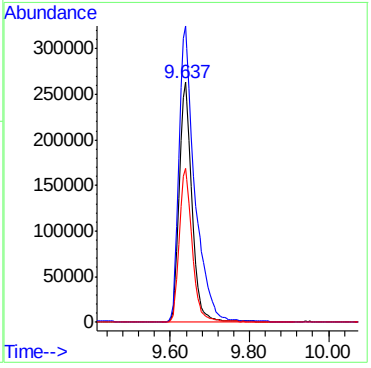


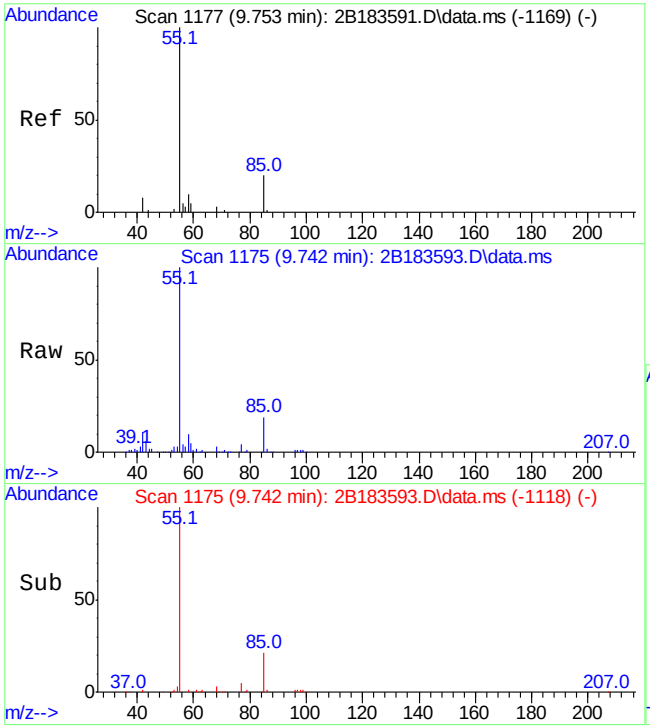


#36
cis-1,2-dichloroethene
Concen: 193.98 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 96 Resp: 592430

Ion	Ratio	Lower	Upper
96	100		
61	123.5	95.1	155.1
98	64.2	31.7	91.7

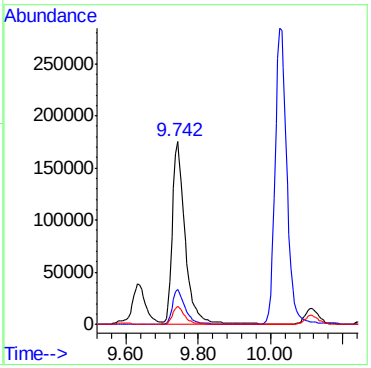


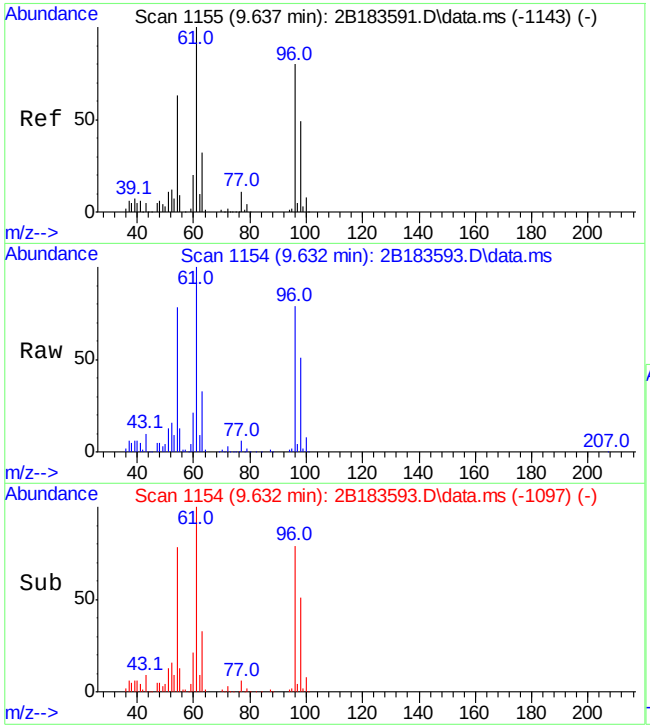


#37
methyl acrylate
Concen: 209.98 ug/L
RT: 9.742 min Scan# 1175
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 55 Resp: 425963

Ion	Ratio	Lower	Upper
55	100		
85	18.9	0.0	50.1
58	9.8	0.0	39.8

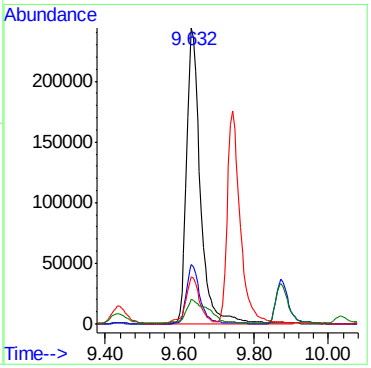


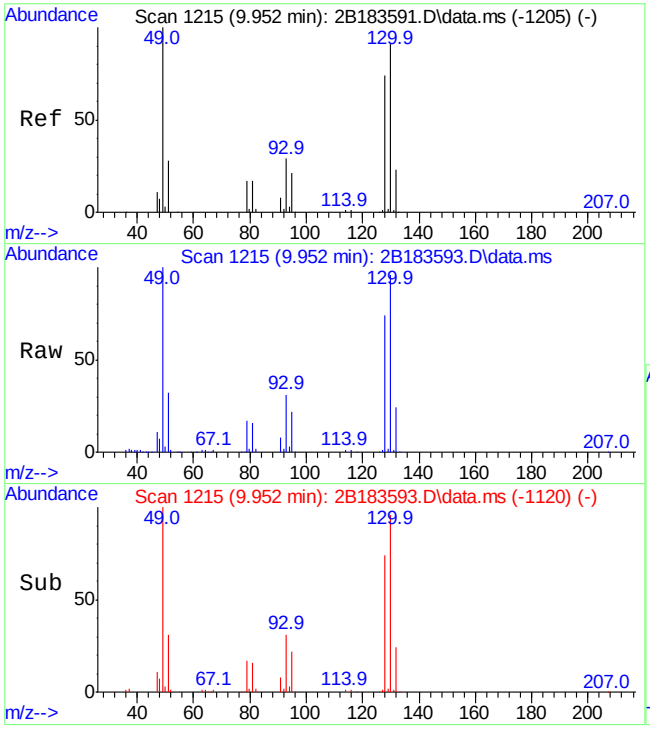


#38
propionitrile
Concen: 2044.43 ug/L
RT: 9.632 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 54 Resp: 631145

Ion	Ratio	Lower	Upper
54	100		
52	20.1	0.0	49.6
55	15.8	0.0	44.7
40	7.9	0.0	37.8

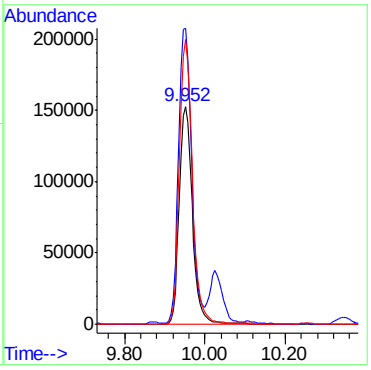


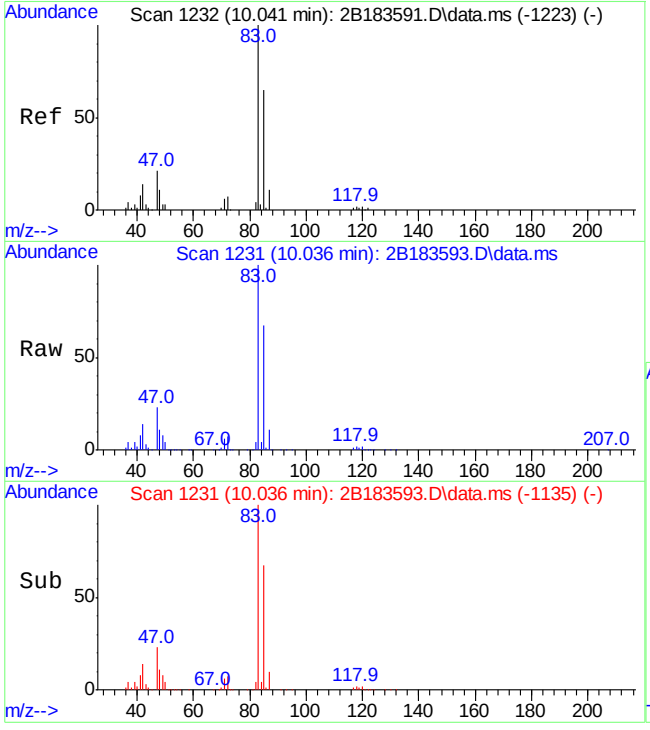


#39
bromochloromethane
Concen: 199.69 ug/L
RT: 9.952 min Scan# 1215
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:128 Resp: 346967

Ion	Ratio	Lower	Upper
128	100		
49	135.9	105.9	165.9
130	130.8	93.4	153.4

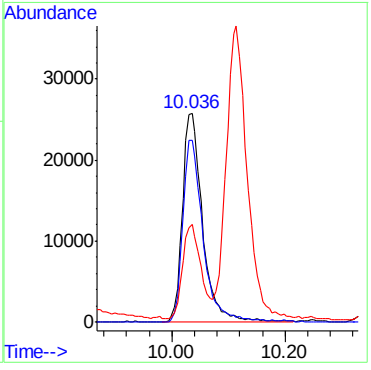


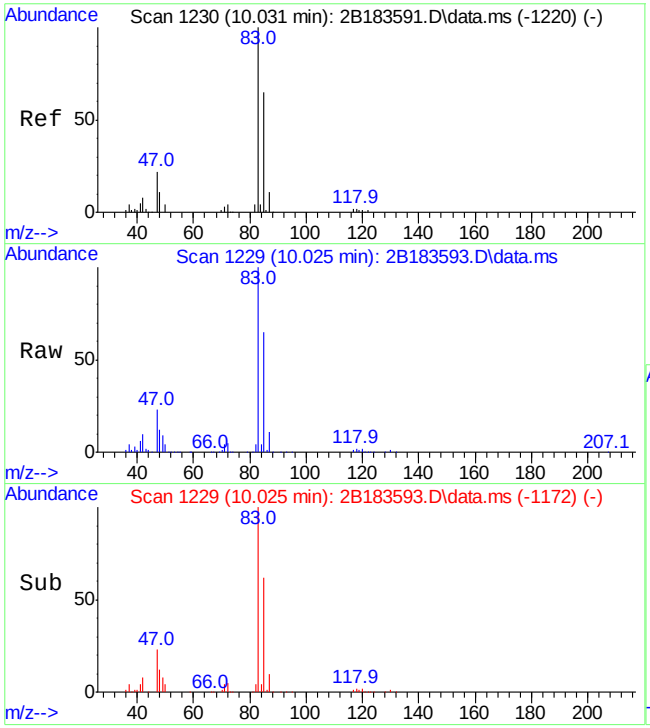


#40
tetrahydrofuran
Concen: 212.18 ug/L
RT: 10.036 min Scan# 1231
Delta R.T. 0.001 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 72 Resp: 63880

Ion	Ratio	Lower	Upper
72	100		
71	86.9	58.8	118.8
43	45.1	15.1	75.1

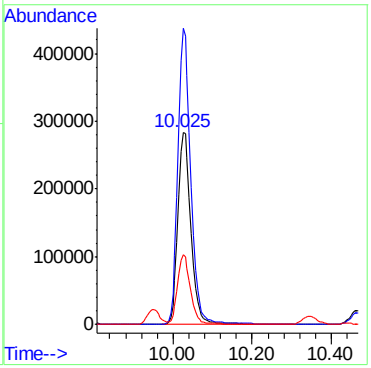


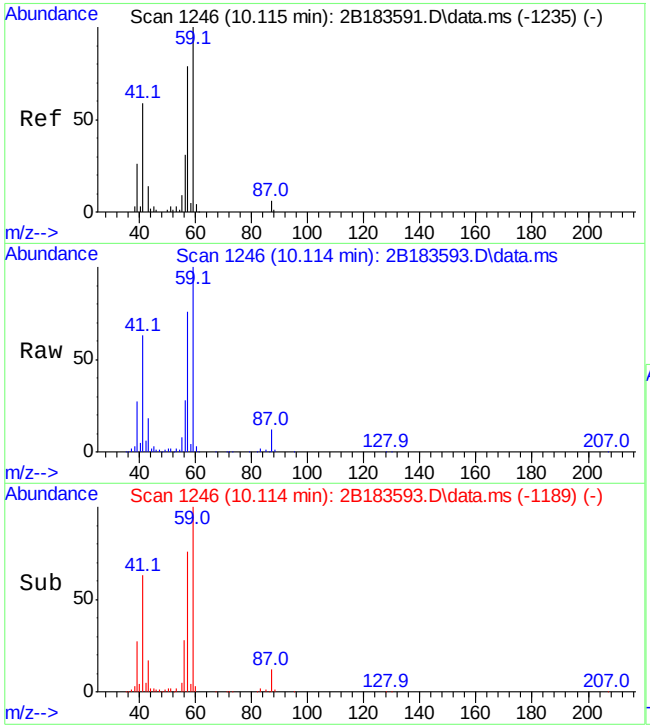


#41
chloroform
Concen: 185.67 ug/L
RT: 10.025 min Scan# 1229
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 85 Resp: 654312

Ion	Ratio	Lower	Upper
85	100		
83	154.0	123.5	183.5
47	35.8	6.5	66.5

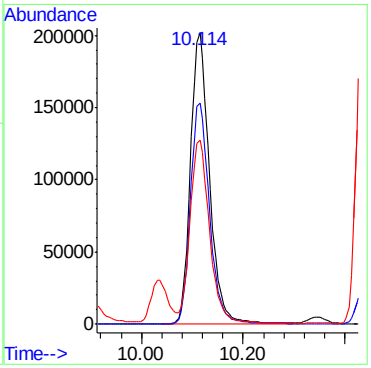


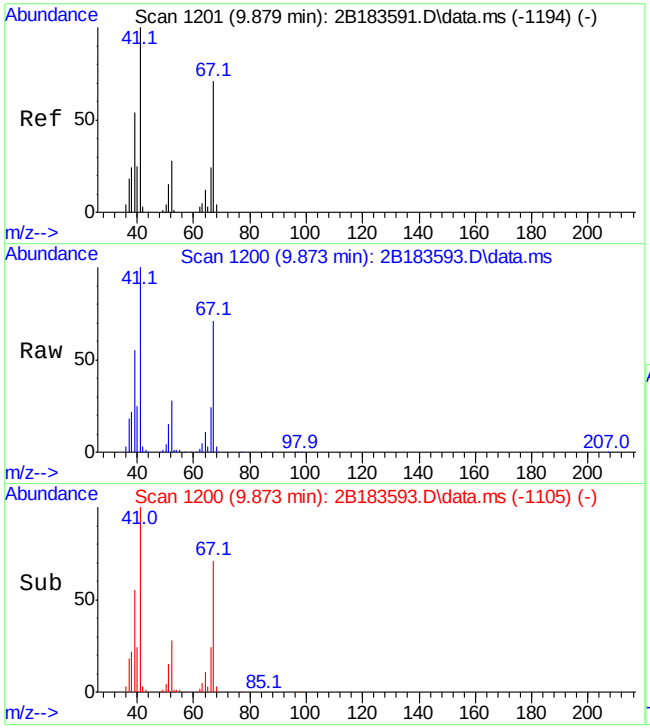


#42
t-butyl formate
Concen: 220.72 ug/L
RT: 10.114 min Scan# 1246
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 59 Resp: 522738

Ion	Ratio	Lower	Upper
59	100		
57	75.8	48.9	108.9
41	62.6	39.1	99.1

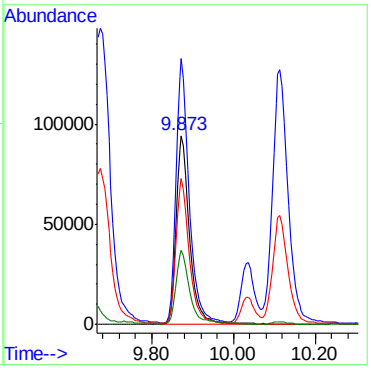


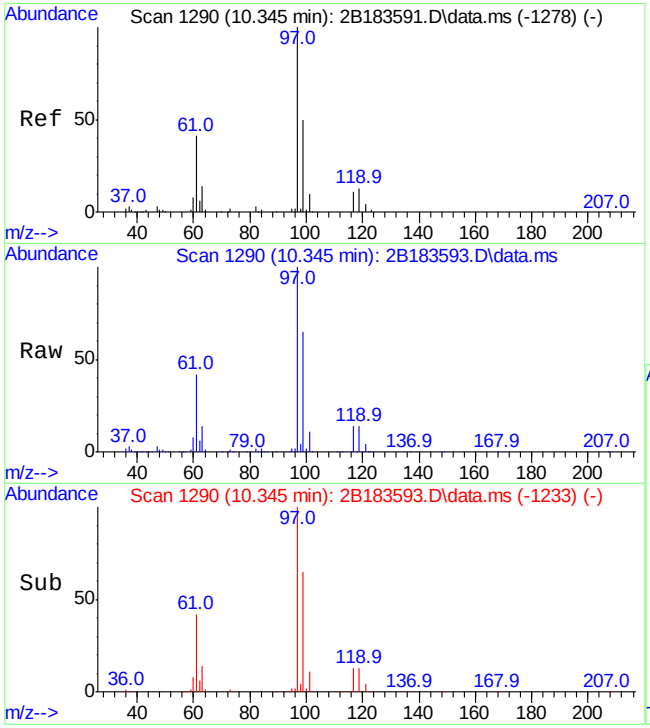


#44
methacrylonitrile
Concen: 221.56 ug/L
RT: 9.873 min Scan# 1200
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 67 Resp: 220480

Ion	Ratio	Lower	Upper
67	100		
41	140.1	110.7	170.7
39	76.8	46.4	106.4
52	38.7	9.9	69.9

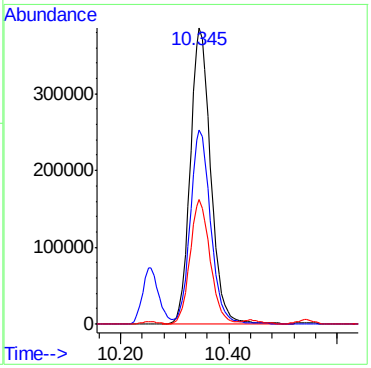


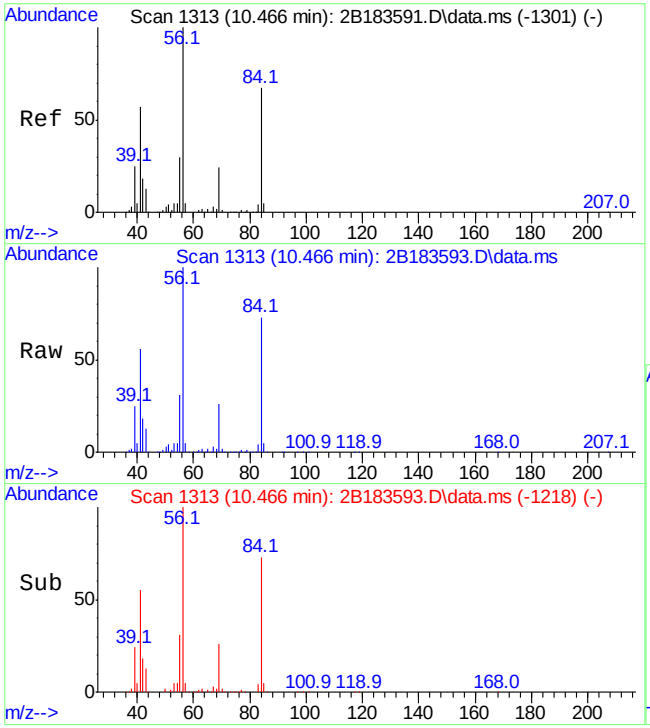


#45
1,1,1-trichloroethane
Concen: 214.02 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 97 Resp: 1014365

Ion	Ratio	Lower	Upper
97	100		
99	65.3	36.0	96.0
61	41.6	12.1	72.1

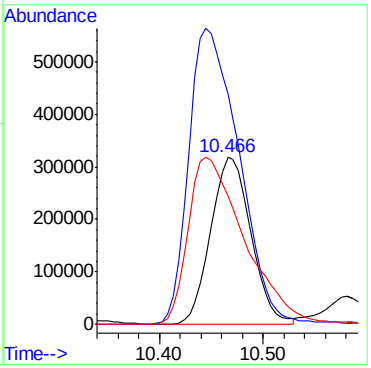


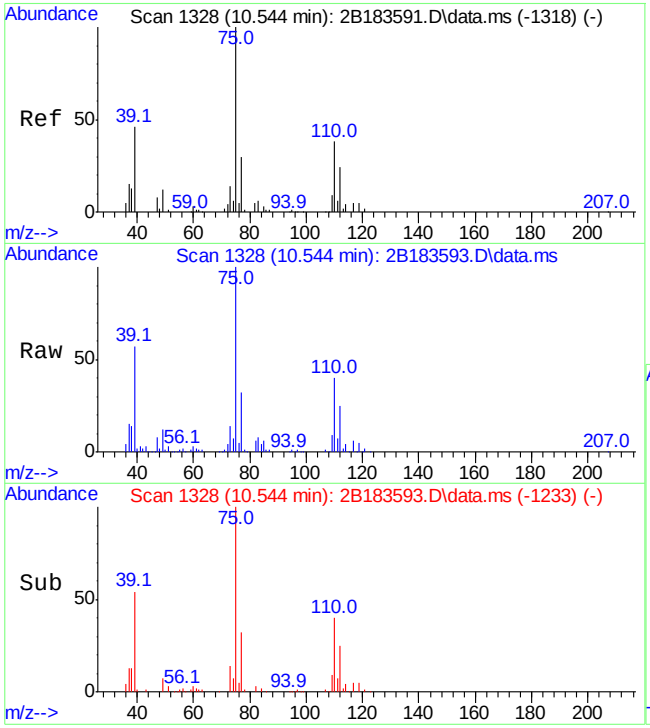


#46
cyclohexane
Concen: 203.42 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 84 Resp: 855972

Ion	Ratio	Lower	Upper
84	100		
56	135.6	130.0	170.0
41	75.4	65.8	105.8

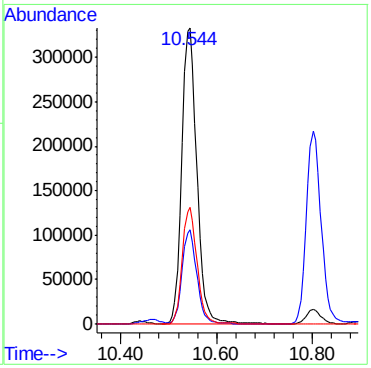


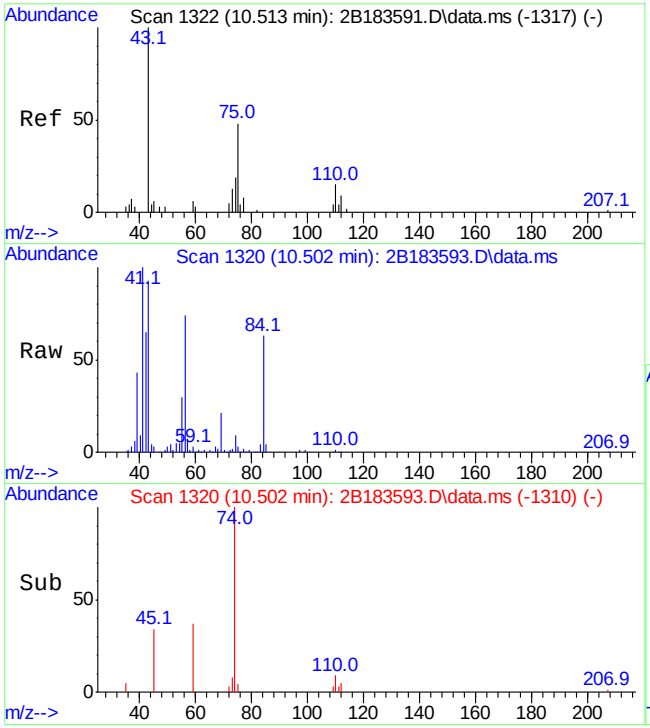


#47
1,1-dichloropropene
Concen: 198.03 ug/L
RT: 10.544 min Scan# 1328
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 75 Resp: 729920

Ion	Ratio	Lower	Upper
75	100		
77	31.5	10.5	50.5
110	39.6	17.9	57.9

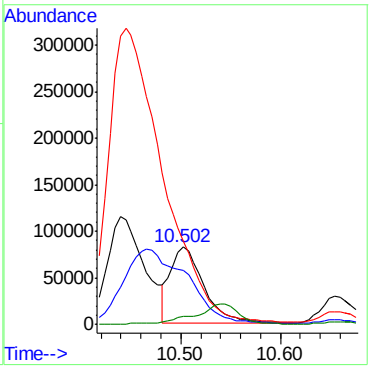


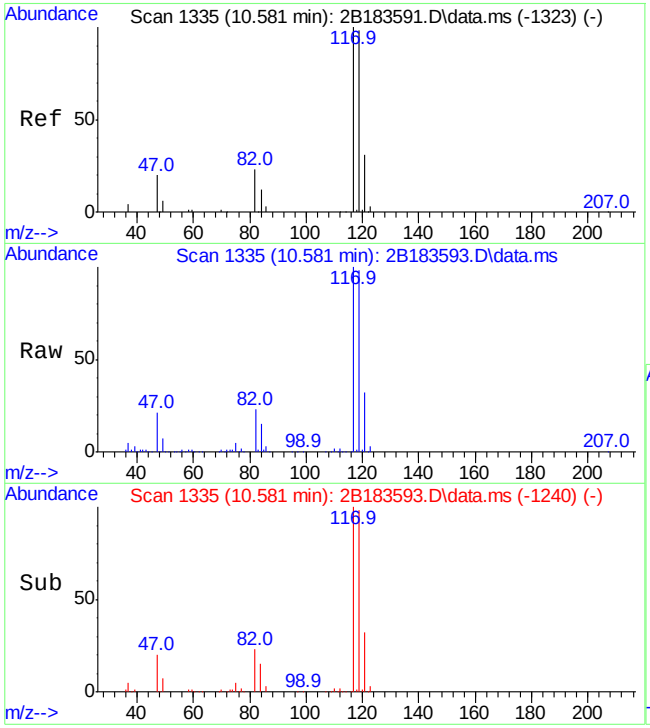


#48
iso-butyl alcohol
Concen: 2231.40 ug/L
RT: 10.502 min Scan# 1320
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 43 Resp: 186423

Ion	Ratio	Lower	Upper
43	100		
42	69.7	36.5	96.5
41	107.1	64.7	124.7
74	9.3	0.0	42.8

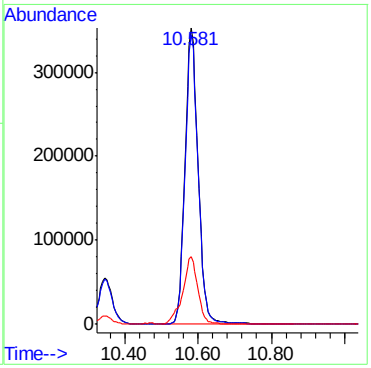


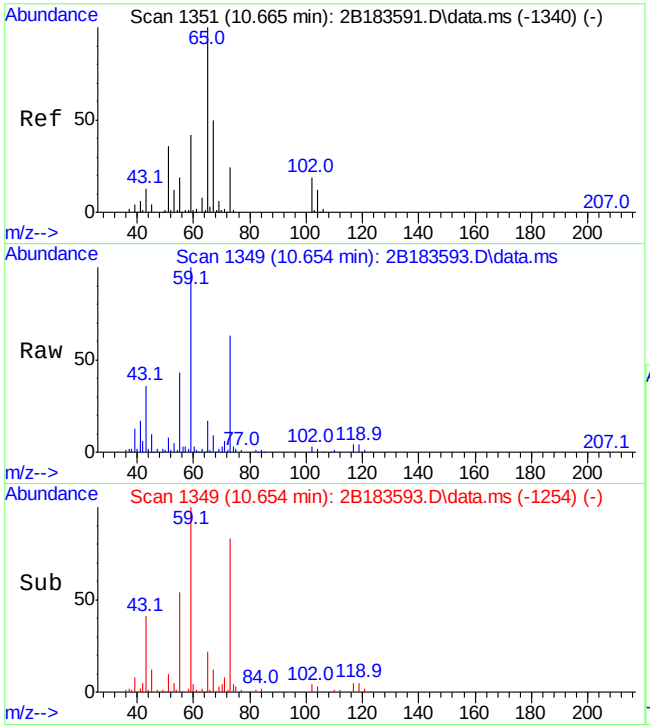


#49
carbon tetrachloride
Concen: 197.85 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:117 Resp: 878036

Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.7	117.7
82	22.8	3.1	43.1

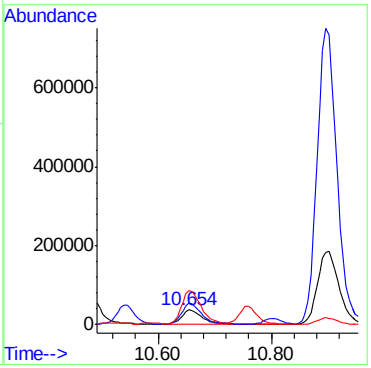


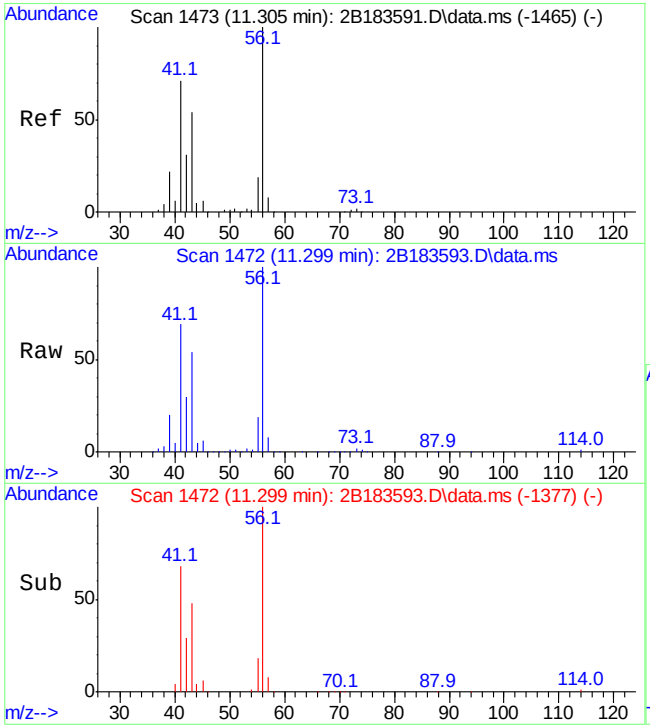


#50
tert amyl alcohol
Concen: 1006.42 ug/L
RT: 10.654 min Scan# 1349
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 55 Resp: 88426

Ion	Ratio	Lower	Upper
55	100		
73	145.7	98.8	158.8
59	232.1	191.9	251.9

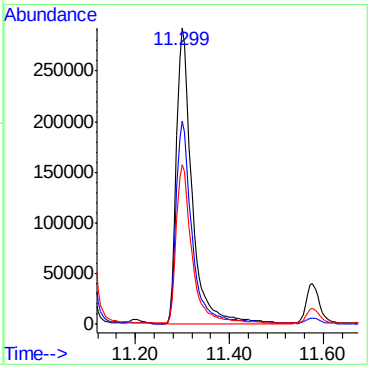


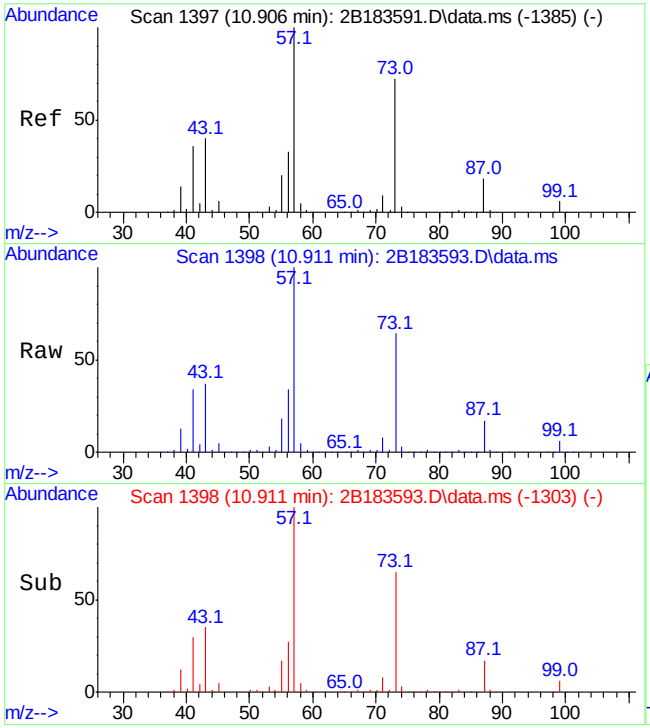


#53
n-butyl alcohol
Concen: 11175.45 ug/L
RT: 11.299 min Scan# 1472
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 56 Resp: 676933

Ion	Ratio	Lower	Upper
56	100		
41	68.4	40.8	100.8
43	53.7	24.4	84.4

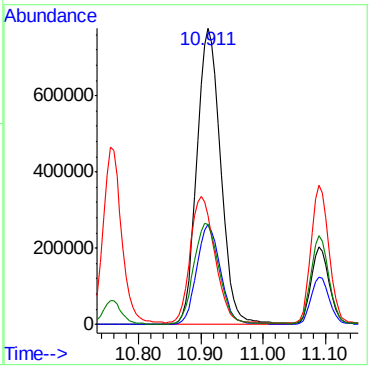


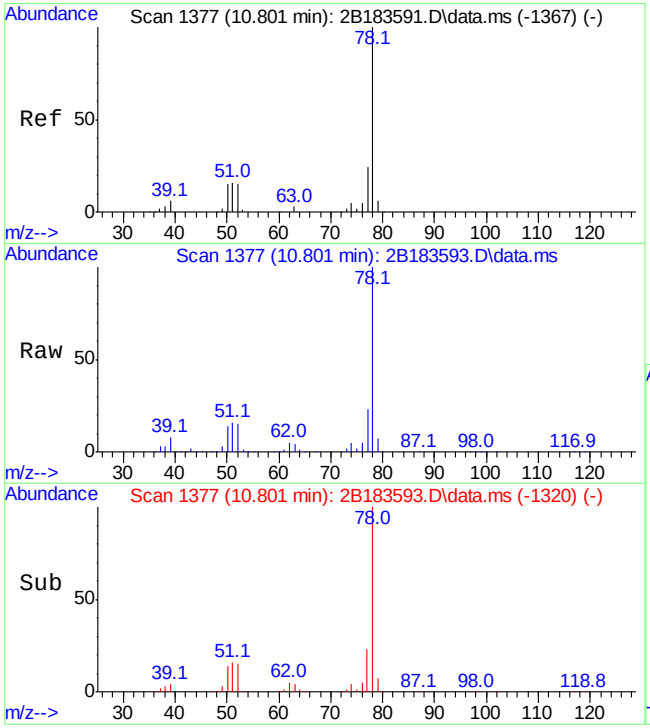


#54
2,2,4-trimethylpentane
Concen: 203.20 ug/L
RT: 10.911 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 57 Resp: 2040368

Ion	Ratio	Lower	Upper
57	100		
56	33.6	3.5	63.5
43	36.3	10.7	70.7
41	33.7	5.5	65.5

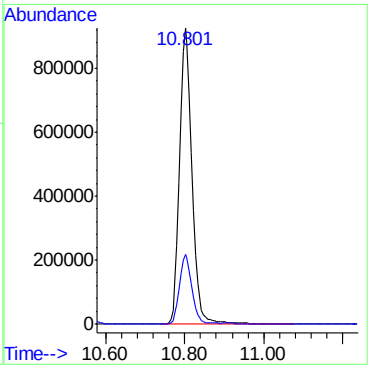


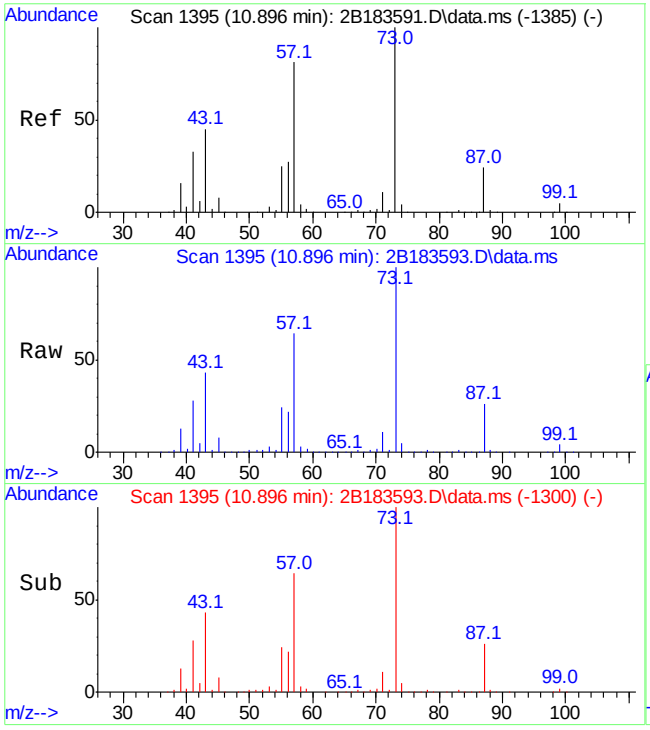


#55
benzene
Concen: 191.07 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 78 Resp: 2026832

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.9

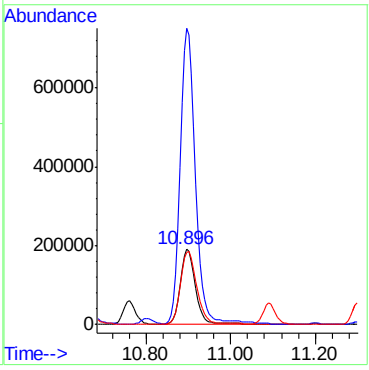


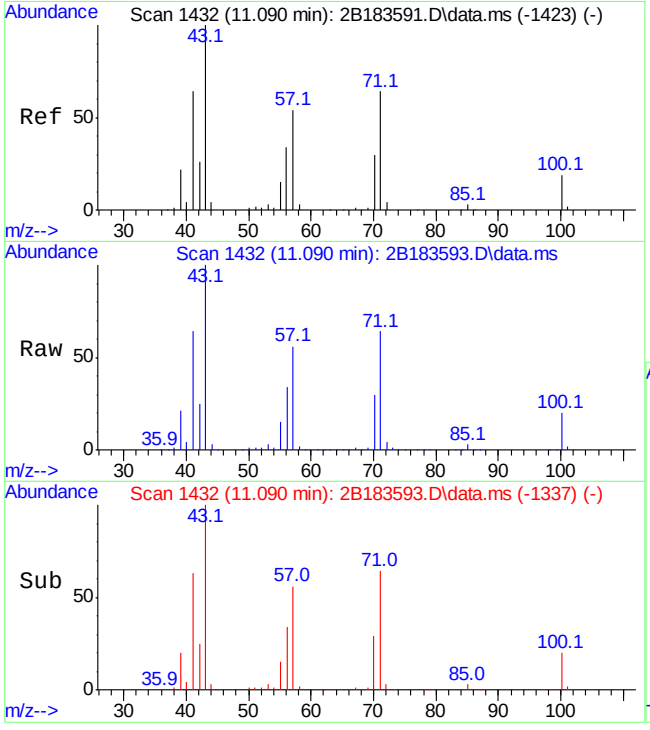


#56
tert-amyl methyl ether
Concen: 204.04 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 87 Resp: 467680

Ion	Ratio	Lower	Upper
87	100		
73	391.1	377.9	437.9
55	95.5	73.1	133.1

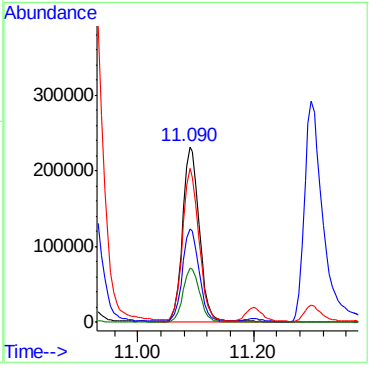


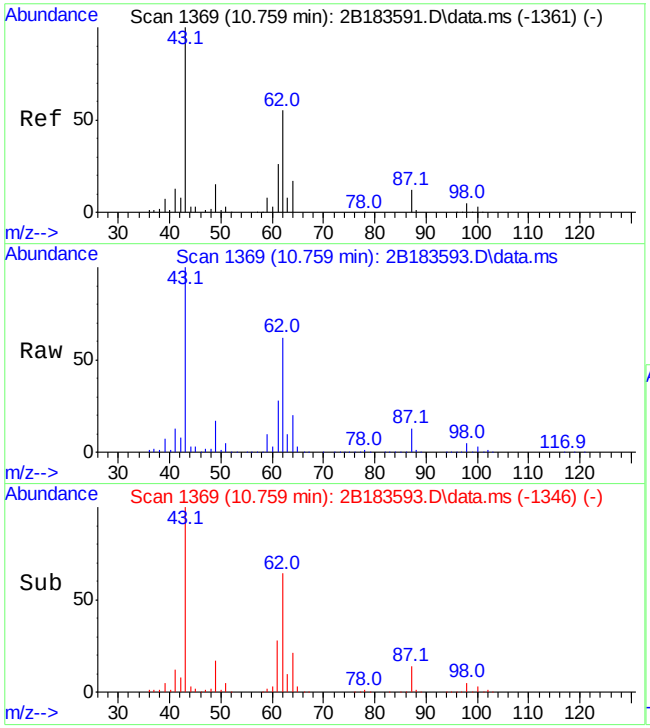


#57
heptane
Concen: 206.42 ug/L
RT: 11.090 min Scan# 1432
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 71 Resp: 467213

Ion	Ratio	Lower	Upper
71	100		
56	53.0	23.2	83.2
57	87.8	54.9	114.9
100	31.0	0.0	59.2

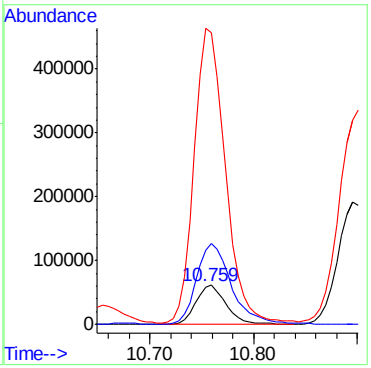


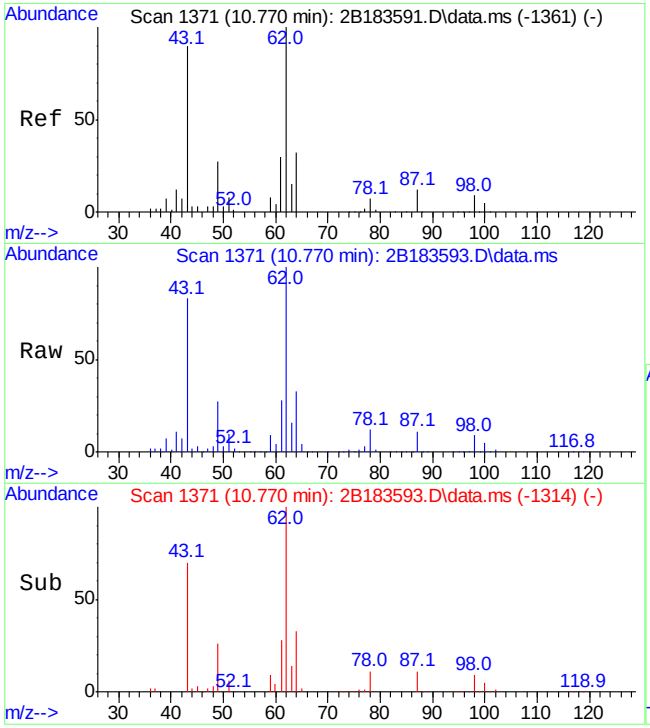


#58
isopropyl acetate
Concen: 217.34 ug/L
RT: 10.759 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 87 Resp: 122974

Ion	Ratio	Lower	Upper
87	100		
61	207.3	185.0	245.0
43	746.5	799.1	859.1#

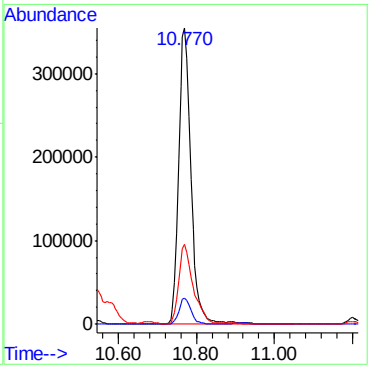


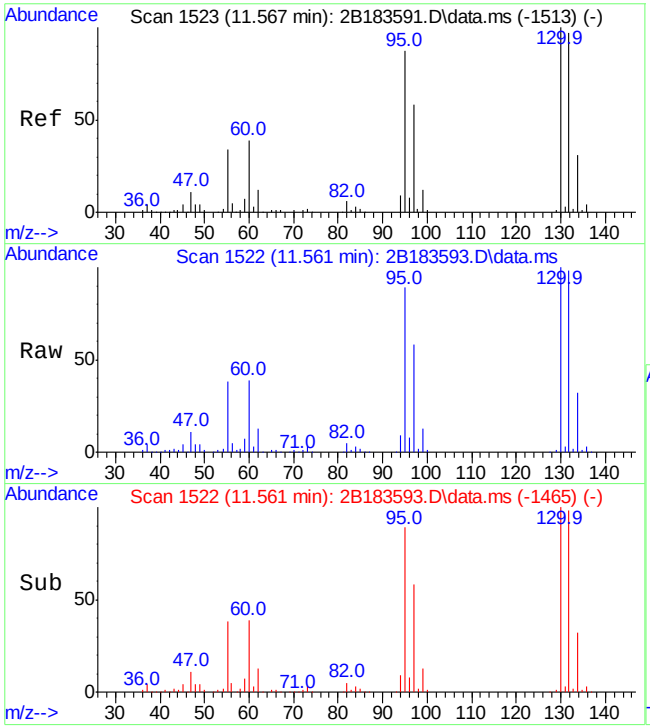


#59
1,2-dichloroethane
Concen: 191.90 ug/L
RT: 10.770 min Scan# 1371
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 62 Resp: 778024

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	39.0
49	26.9	0.0	56.8

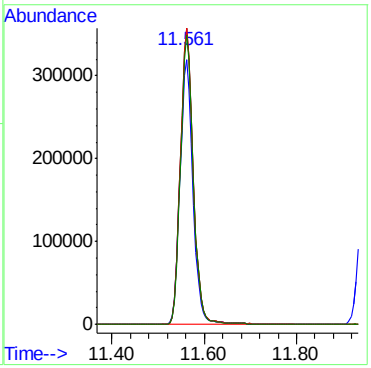


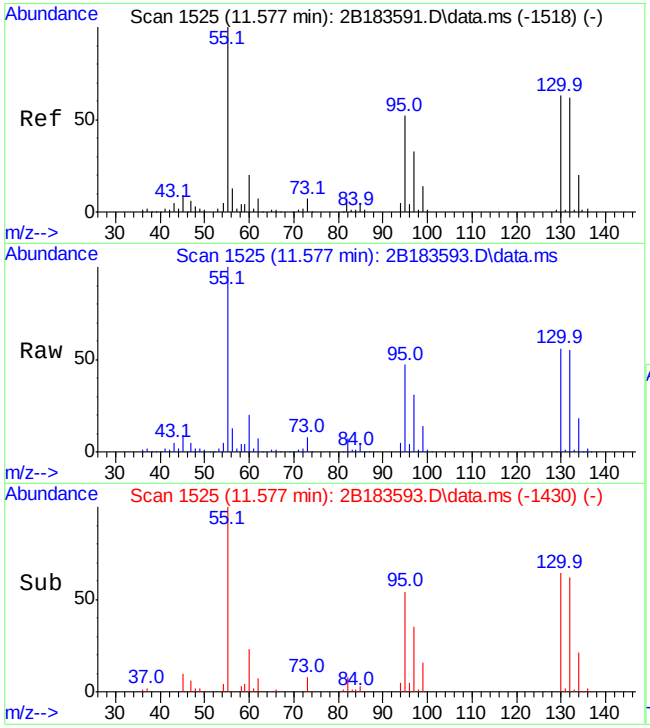


#60
trichloroethene
Concen: 202.67 ug/L
RT: 11.561 min Scan# 1522
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:130 Resp: 700010

Ion	Ratio	Lower	Upper
130	100		
95	89.4	56.8	116.8
130	100.0	70.0	130.0
132	97.6	67.2	127.2

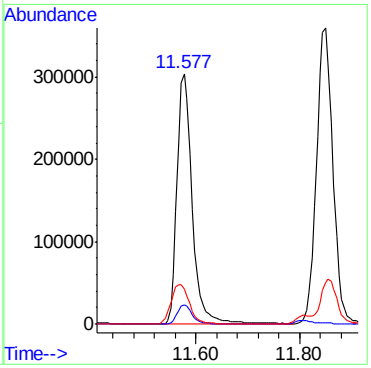


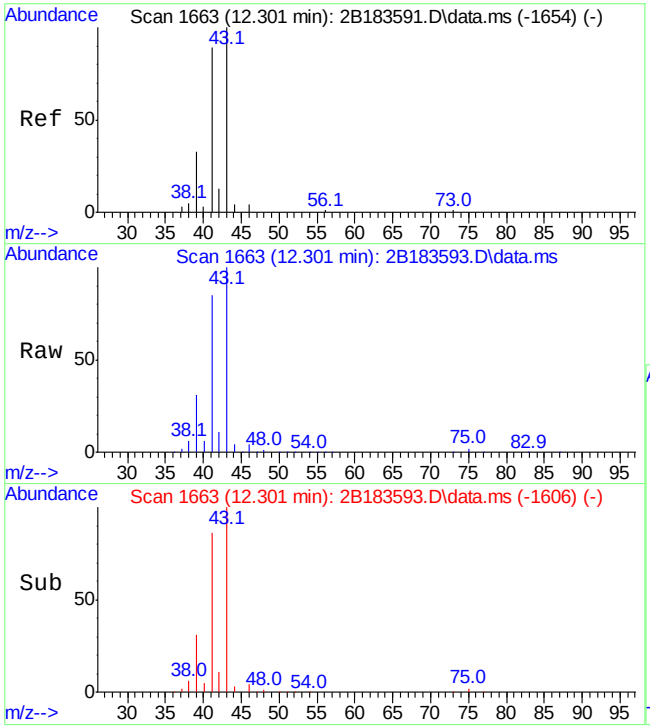


#61
ethyl acrylate
Concen: 209.20 ug/L
RT: 11.577 min Scan# 1525
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 55 Resp: 615103

Ion	Ratio	Lower	Upper
55	100		
73	7.8	0.0	27.3
99	13.0	0.0	34.6

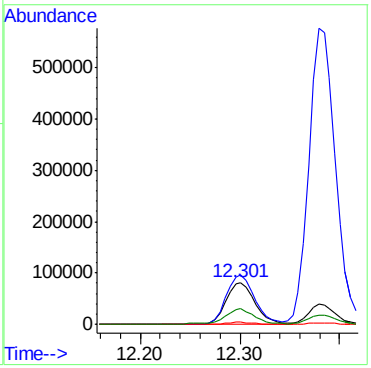


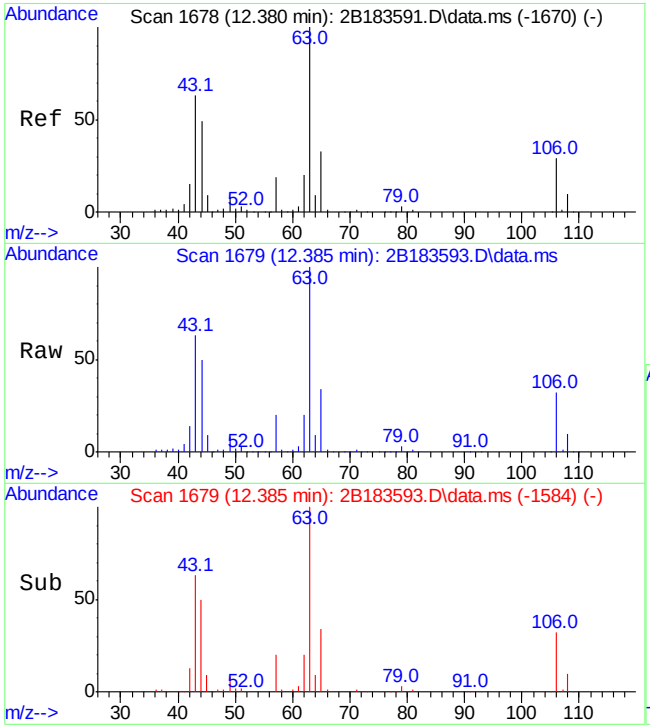


#62
2-nitropropane
Concen: 216.09 ug/L
RT: 12.301 min Scan# 1663
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 41 Resp: 162982

Ion	Ratio	Lower	Upper
41	100		
43	117.1	92.9	132.9
46	4.9	0.0	24.8
39	36.0	17.1	57.1

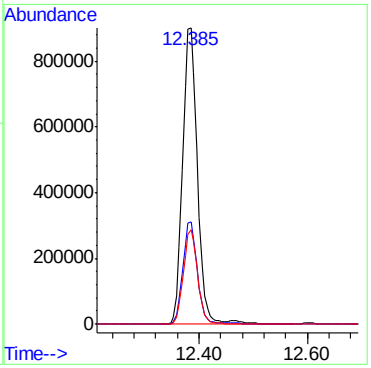


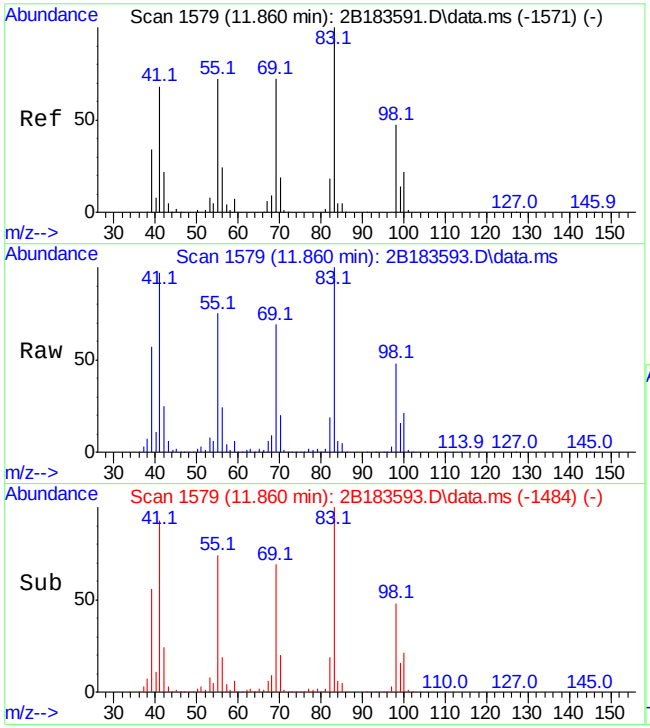


#63
2-chloroethyl vinyl ether
Concen: 1012.45 ug/L
RT: 12.385 min Scan# 1679
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 63 Resp: 1704746

Ion	Ratio	Lower	Upper
63	100		
65	34.4	2.7	62.7
106	32.0	0.0	59.0

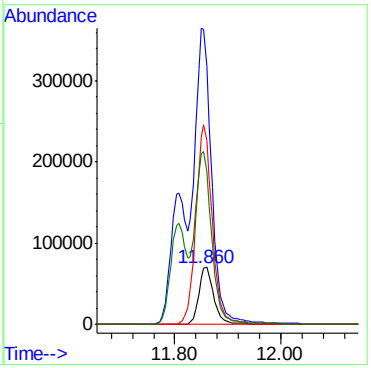


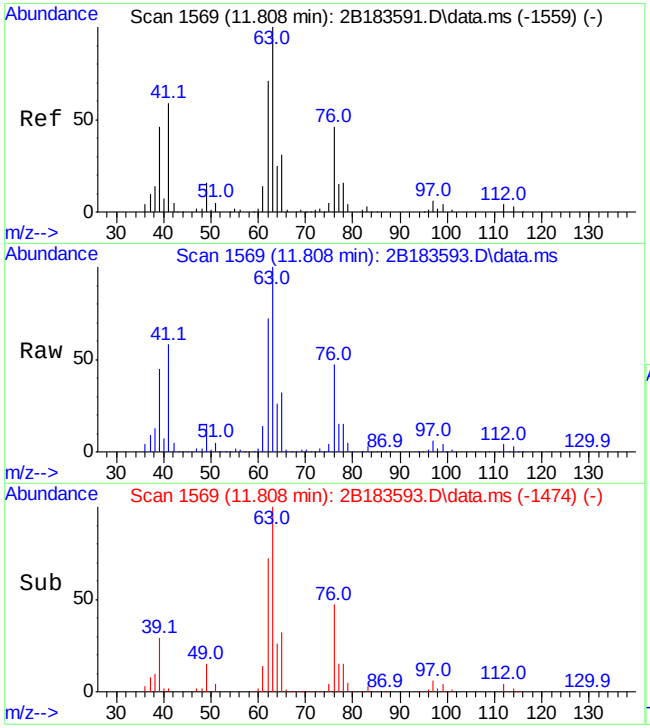


#64
methyl methacrylate
Concen: 214.36 ug/L
RT: 11.860 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:100 Resp: 141480

Ion	Ratio	Lower	Upper
100	100		
41	451.1	492.5	552.5#
69	323.3	314.6	374.6
39	266.1	285.7	345.7#

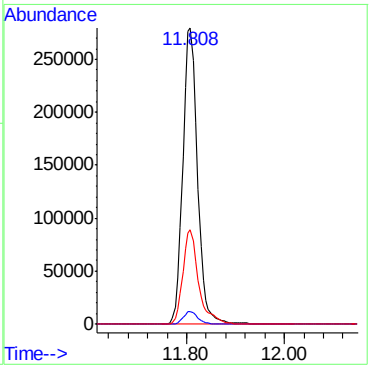


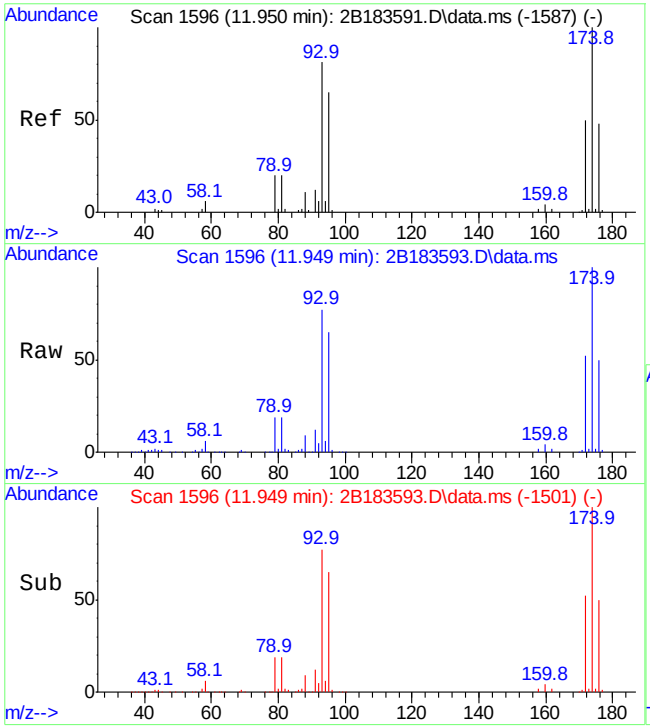


#65
1,2-dichloropropane
Concen: 203.92 ug/L
RT: 11.808 min Scan# 1569
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 63 Resp: 585156

Ion	Ratio	Lower	Upper
63	100		
112	4.4	0.0	33.9
65	31.7	1.3	61.3

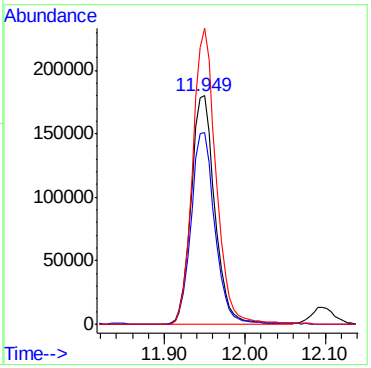


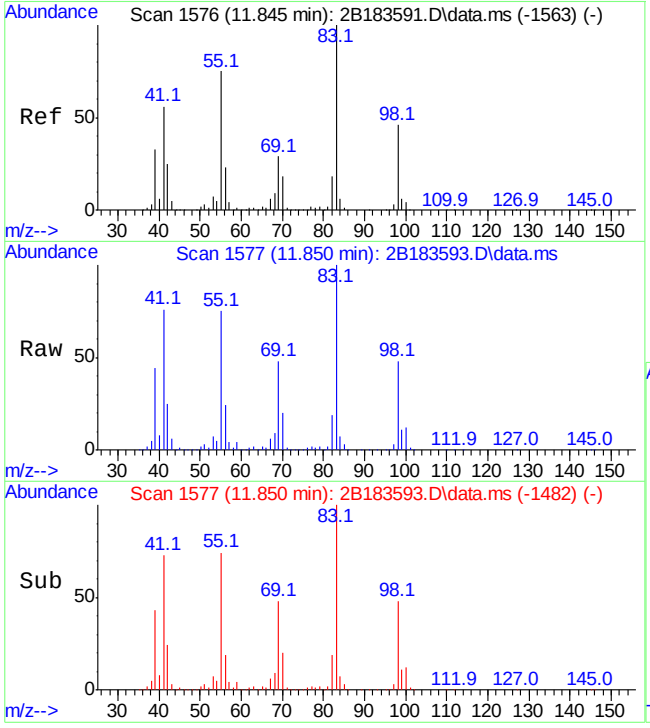


#66
dibromomethane
Concen: 193.66 ug/L
RT: 11.949 min Scan# 1596
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 93 Resp: 371051

Ion	Ratio	Lower	Upper
93	100		
95	83.9	50.5	110.5
174	129.6	94.1	154.1

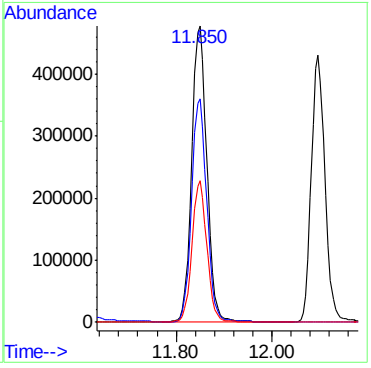


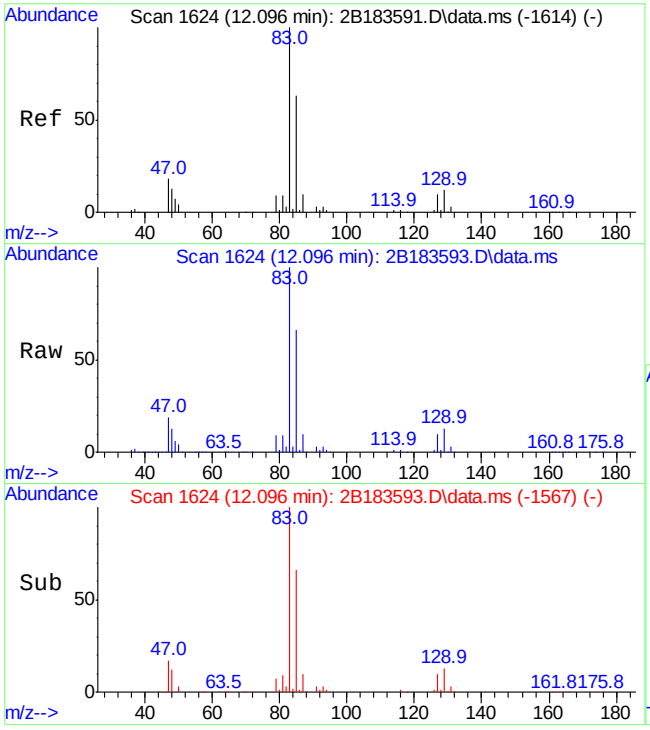


#67
methylcyclohexane
Concen: 195.19 ug/L
RT: 11.850 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 83 Resp: 1048104

Ion	Ratio	Lower	Upper
83	100		
55	75.2	45.5	105.5
98	47.7	15.7	75.7

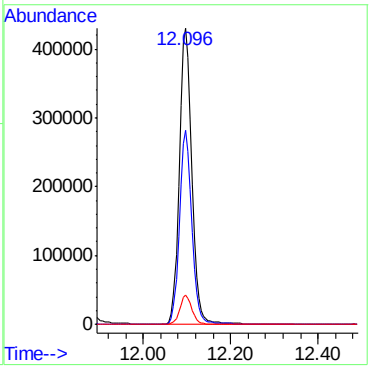


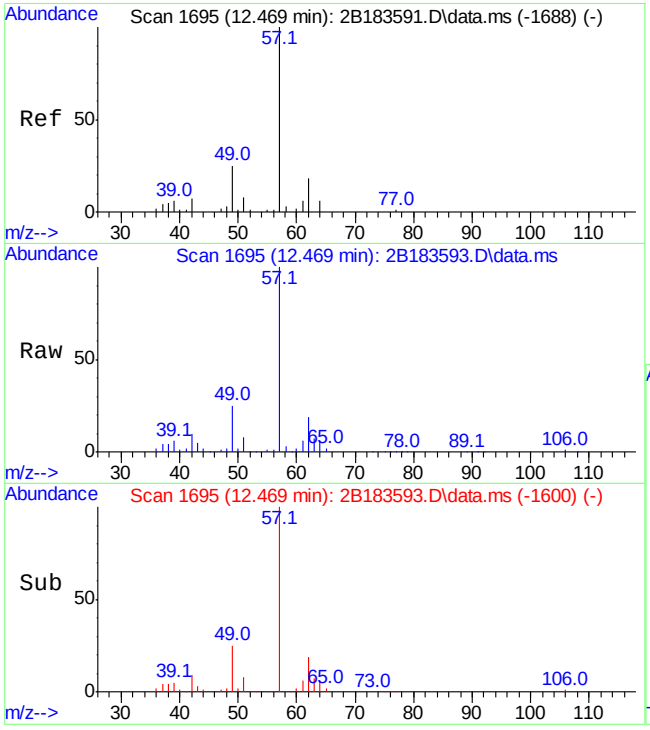


#68
bromodichloromethane
Concen: 210.51 ug/L
RT: 12.096 min Scan# 1624
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 83 Resp: 857773

Ion	Ratio	Lower	Upper
83	100		
85	65.6	33.2	93.2
127	10.0	0.0	39.5

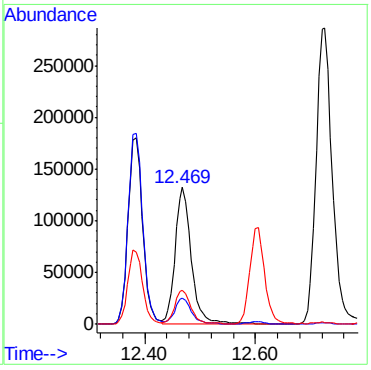


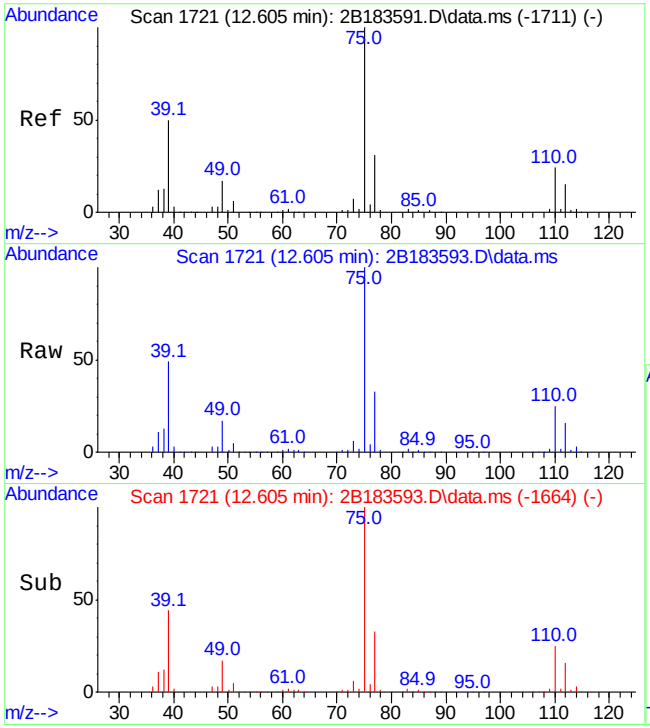


#69
epichlorohydrin
Concen: 1051.05 ug/L
RT: 12.469 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 57 Resp: 268183

Ion	Ratio	Lower	Upper
57	100		
62	18.9	0.4	40.4
49	24.0	4.3	44.3

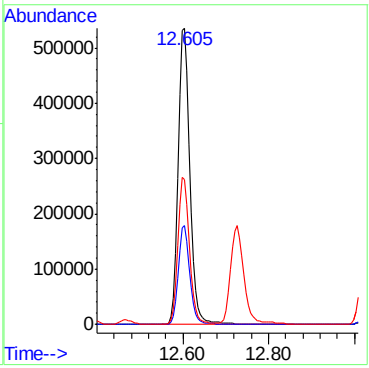


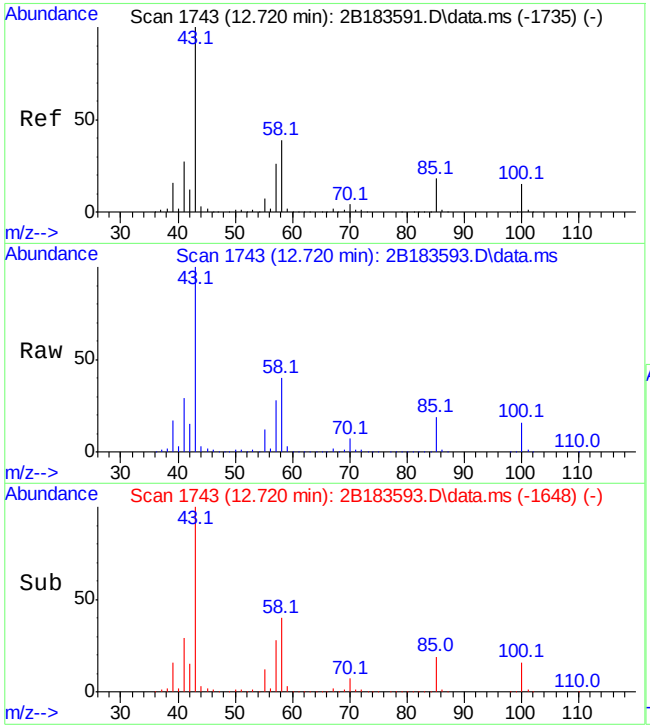


#70
cis-1,3-dichloropropene
Concen: 209.89 ug/L
RT: 12.605 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 75 Resp: 1014667

Ion	Ratio	Lower	Upper
75	100		
77	33.2	1.4	61.4
39	49.0	19.8	79.8

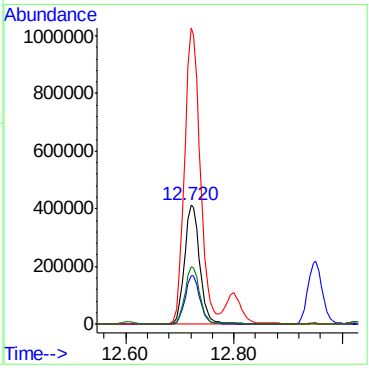


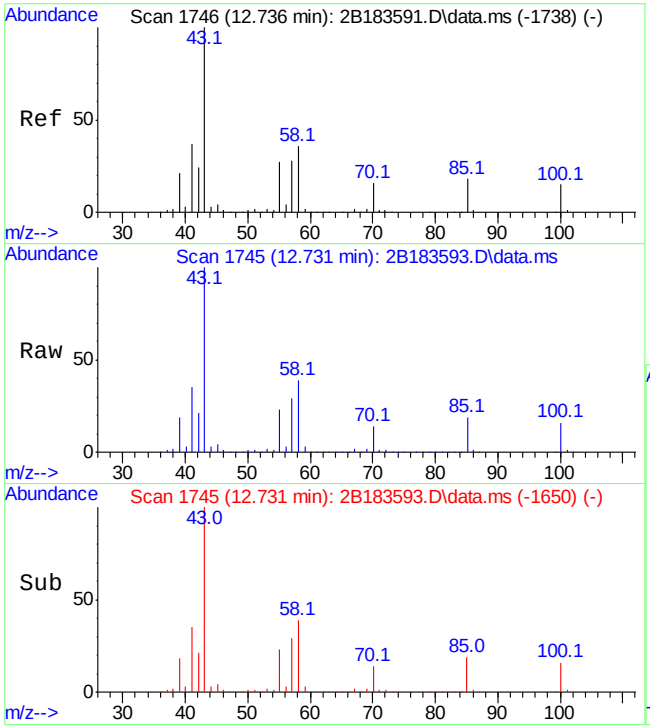


#71
4-methyl-2-pentanone
Concen: 818.95 ug/L
RT: 12.720 min Scan# 1743
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 58 Resp: 803827

Ion	Ratio	Lower	Upper
58	100		
100	40.4	8.6	68.6
43	247.9	223.3	283.3
85	47.9	16.6	76.6

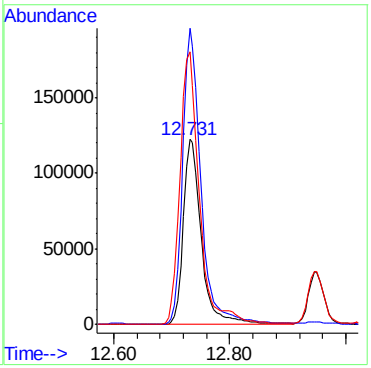


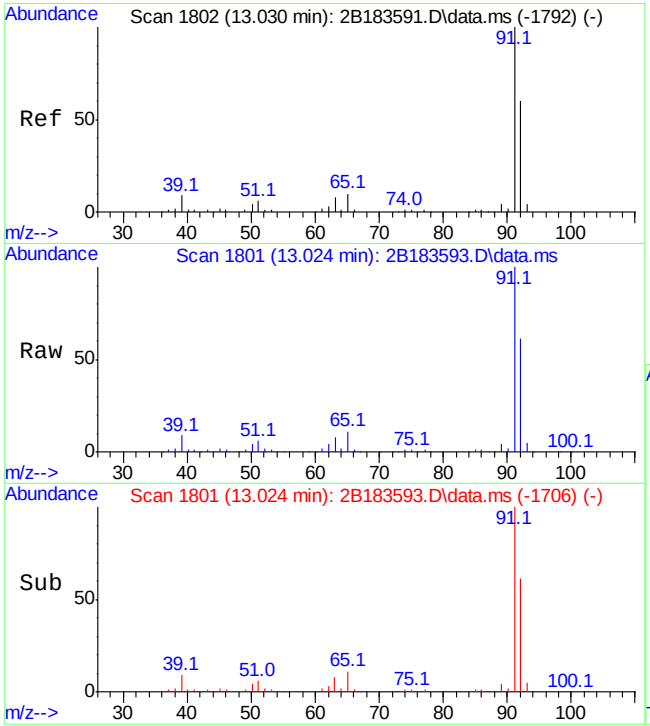


#72
3-methyl-1-butanol
Concen: 4532.43 ug/L
RT: 12.731 min Scan# 1745
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 70 Resp: 264249

Ion	Ratio	Lower	Upper
70	100		
55	160.3	138.6	198.6
42	147.1	117.3	177.3

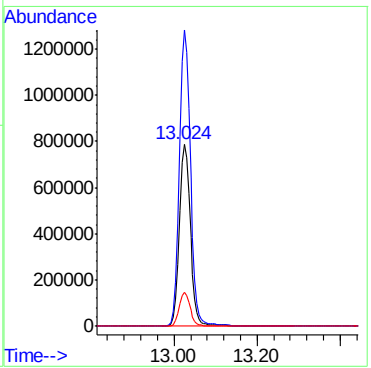


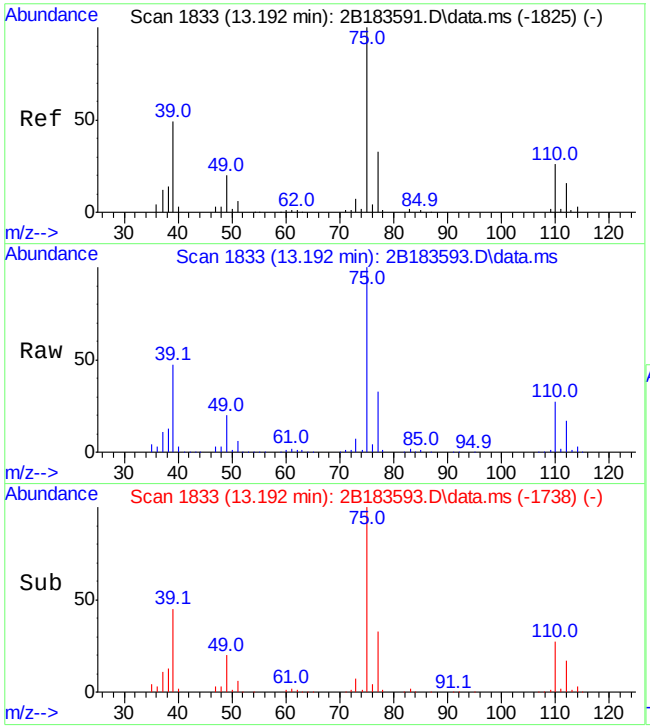


#75
toluene
Concen: 195.88 ug/L
RT: 13.024 min Scan# 1801
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 92 Resp: 1464897

Ion	Ratio	Lower	Upper
92	100		
91	162.7	145.5	185.5
65	18.4	0.0	37.3

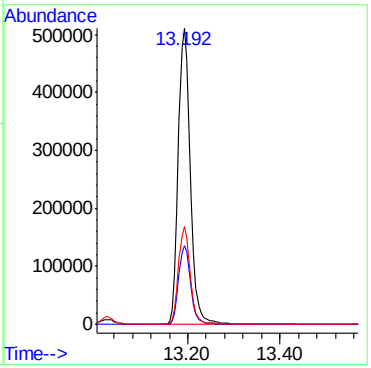


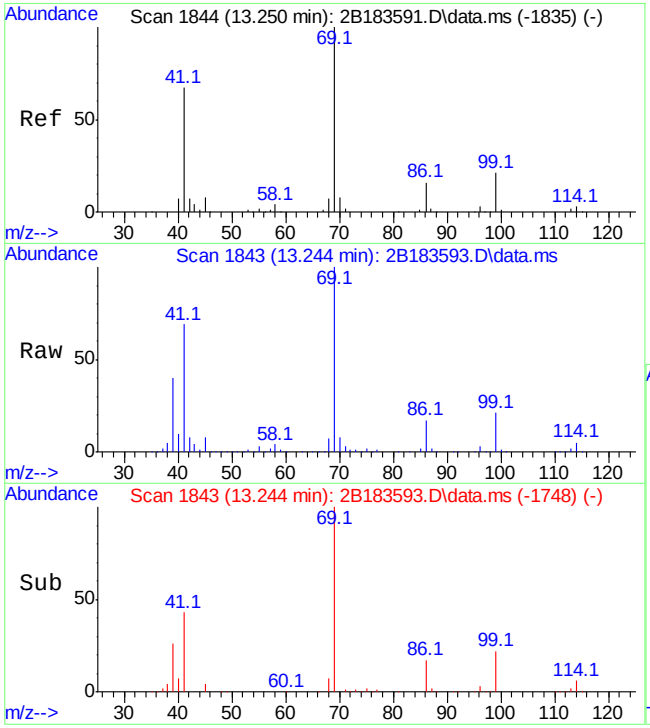


#76
trans-1,3-dichloropropene
Concen: 208.45 ug/L
RT: 13.192 min Scan# 1833
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 75 Resp: 932265

Ion	Ratio	Lower	Upper
75	100		
110	26.7	5.6	45.6
77	33.0	12.9	52.9

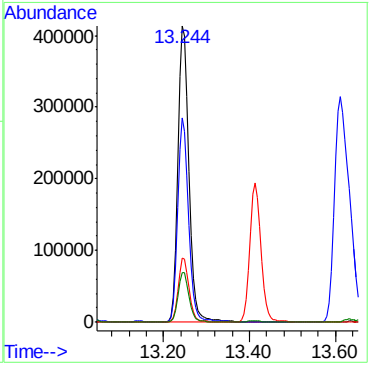


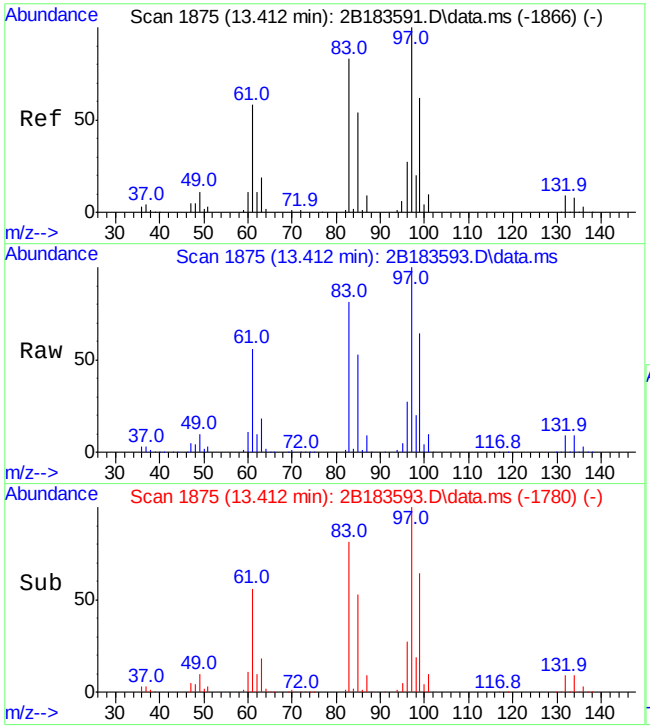


#77
ethyl methacrylate
Concen: 203.02 ug/L
RT: 13.244 min Scan# 1843
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 69 Resp: 735327

Ion	Ratio	Lower	Upper
69	100		
41	68.8	47.3	87.3
99	21.5	0.7	40.7
86	16.7	0.0	36.3

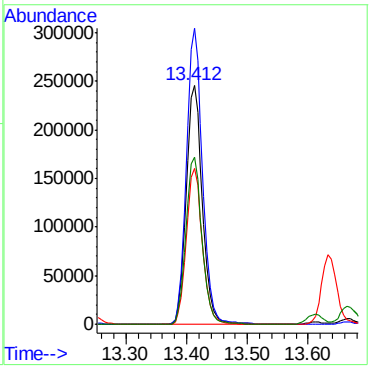


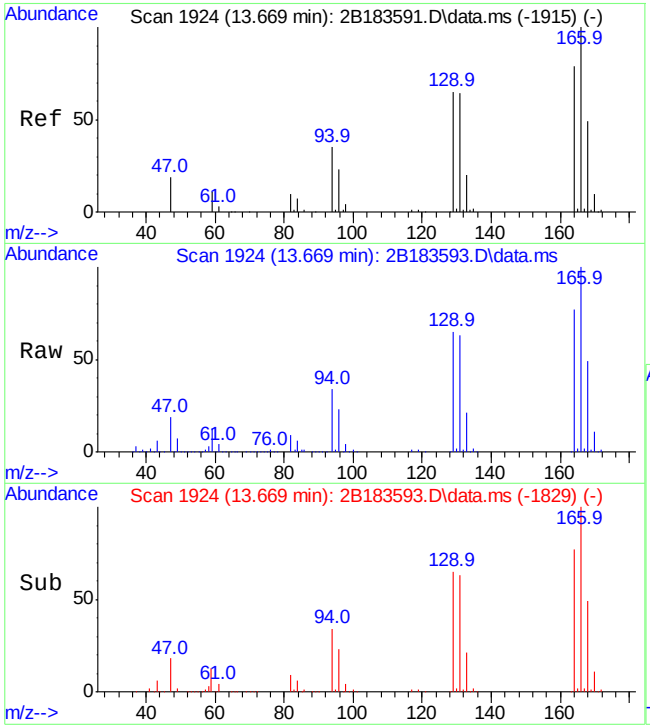


#78
1,1,2-trichloroethane
Concen: 194.89 ug/L
RT: 13.412 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 83 Resp: 451334

Ion	Ratio	Lower	Upper
83	100		
97	123.8	100.4	140.4
85	65.2	44.7	84.7
61	69.8	49.5	89.5

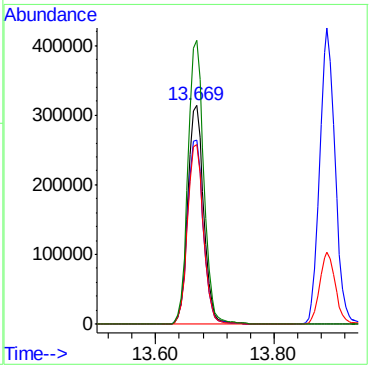


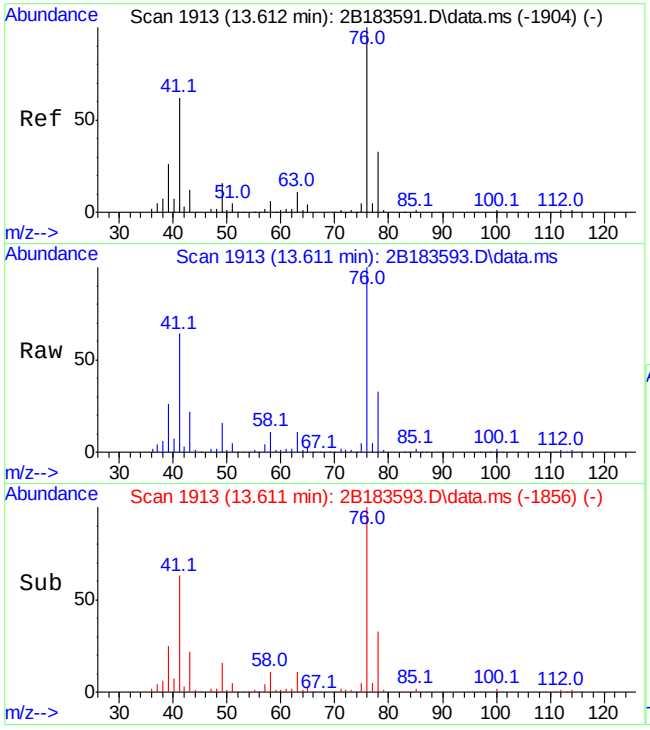


#79
tetrachloroethene
Concen: 177.29 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:164 Resp: 576650

Ion	Ratio	Lower	Upper
164	100		
129	84.0	52.8	112.8
131	82.0	51.2	111.2
166	129.8	97.3	157.3

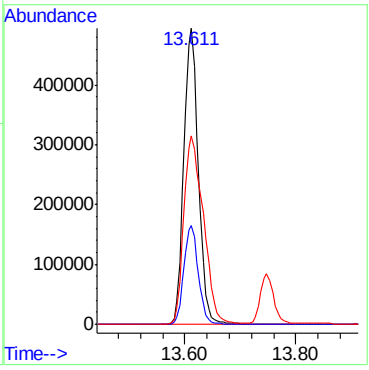


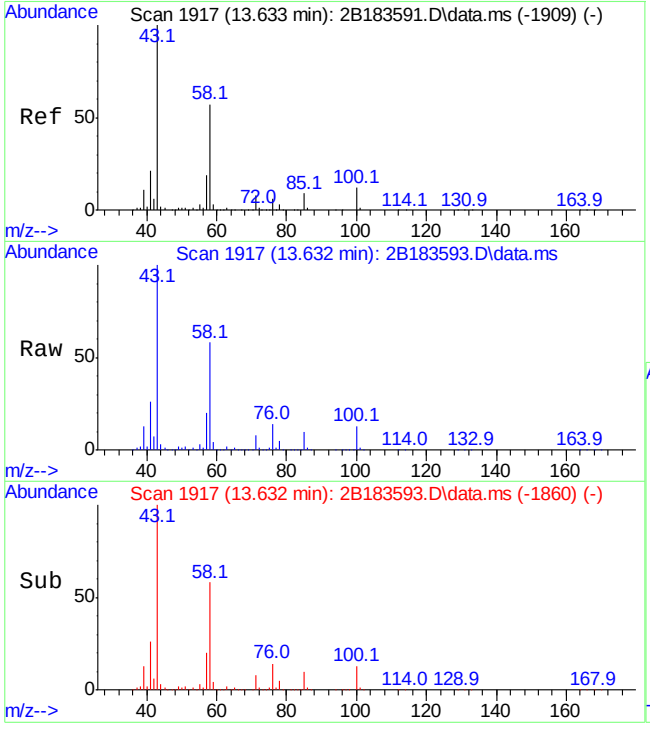


#80
1,3-dichloropropane
Concen: 191.24 ug/L
RT: 13.611 min Scan# 1913
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 76 Resp: 898624

Ion	Ratio	Lower	Upper
76	100		
78	33.3	2.9	62.9
41	63.7	31.5	91.5

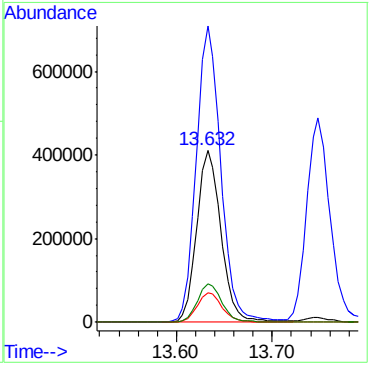


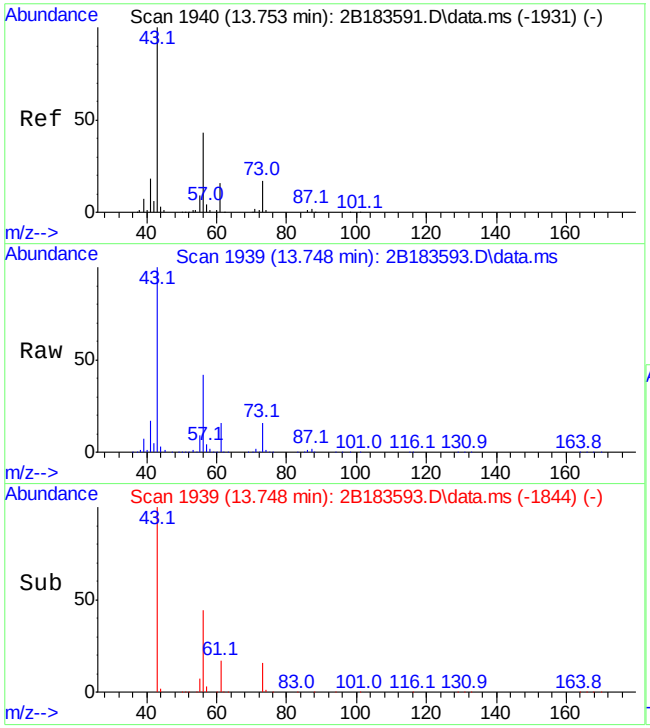


#81
2-hexanone
Concen: 795.15 ug/L
RT: 13.632 min Scan# 1917
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 58 Resp: 721046

Ion	Ratio	Lower	Upper
58	100		
43	172.4	156.8	196.8
85	17.3	0.0	35.7
100	22.5	0.5	40.5

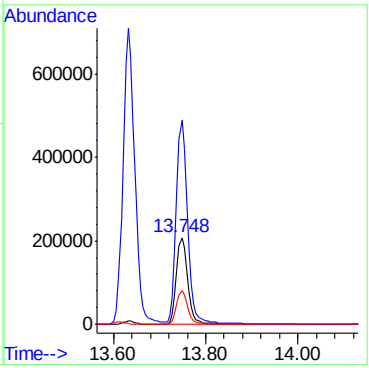


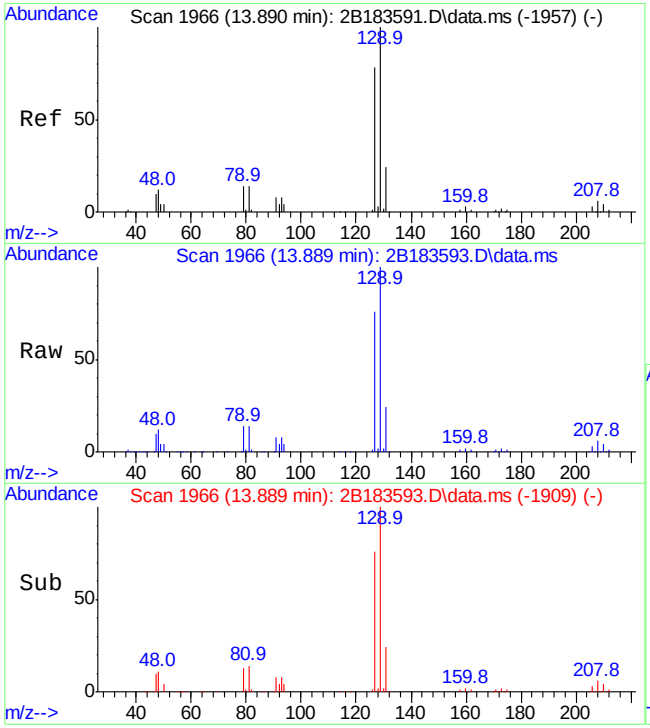


#82
butyl acetate
Concen: 206.82 ug/L
RT: 13.748 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 56 Resp: 357923

Ion	Ratio	Lower	Upper
56	100		
43	235.6	205.4	265.4
73	38.8	8.9	68.9

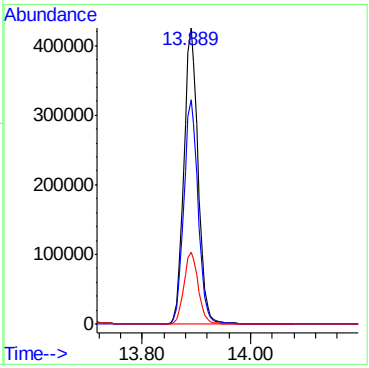


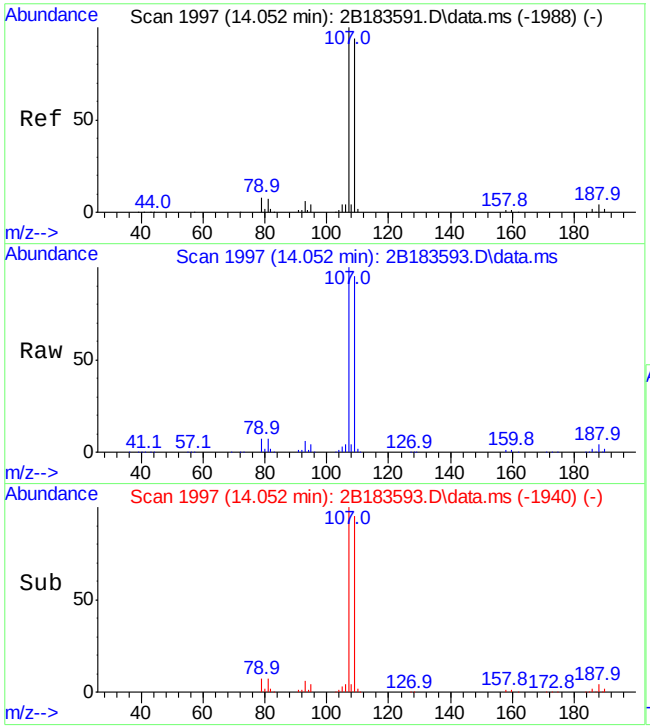


#83
dibromochloromethane
Concen: 203.99 ug/L
RT: 13.889 min Scan# 1966
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:129 Resp: 772354

Ion	Ratio	Lower	Upper
129	100		
127	75.9	47.6	107.6
131	24.4	0.0	54.0

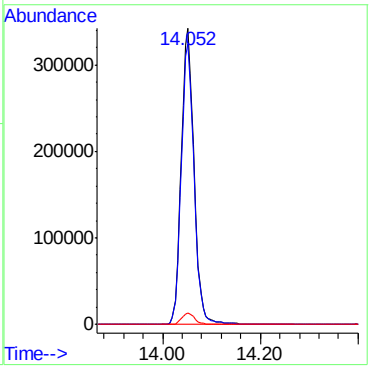


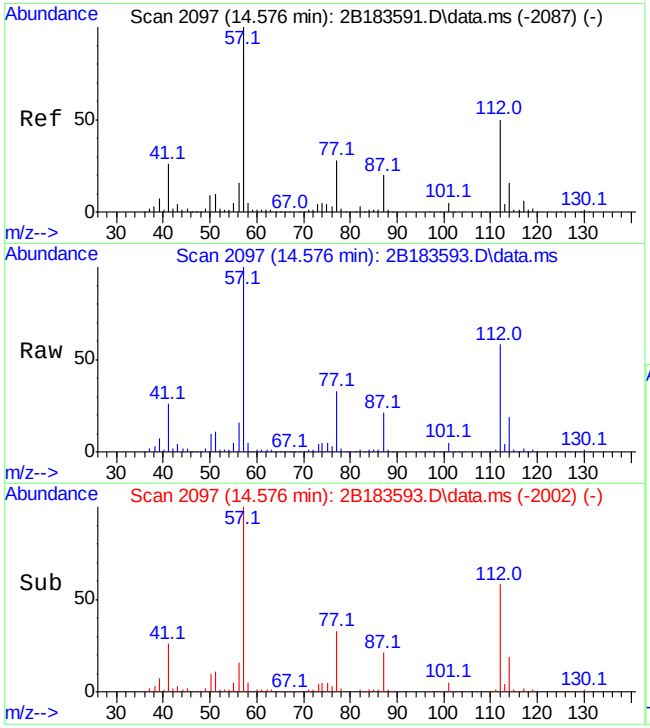


#84
1,2-dibromoethane
Concen: 203.38 ug/L
RT: 14.052 min Scan# 1997
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:107 Resp: 622972

Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.2	124.2
188	3.9	0.0	33.9

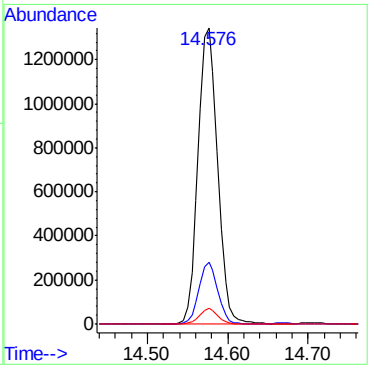


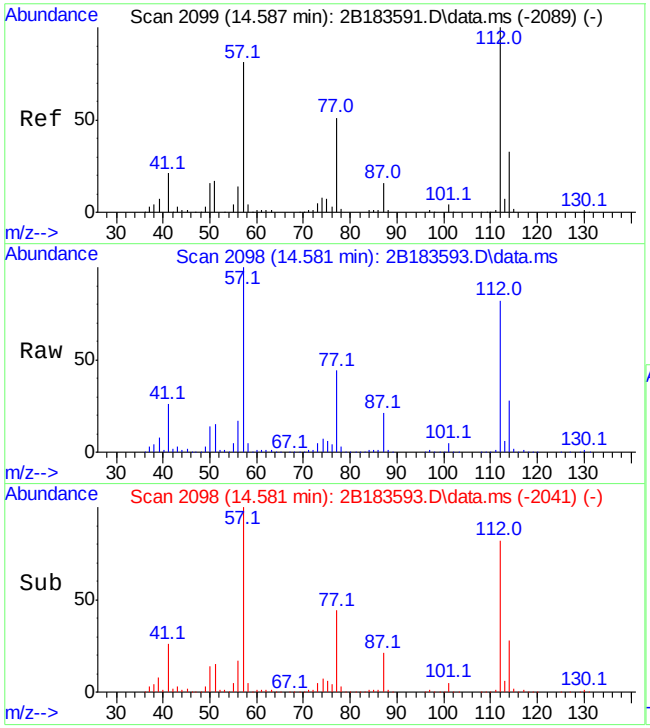


#85
n-butyl ether
Concen: 197.24 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 57 Resp: 2282121

Ion	Ratio	Lower	Upper
57	100		
87	20.9	0.0	49.5
101	5.4	0.0	34.7

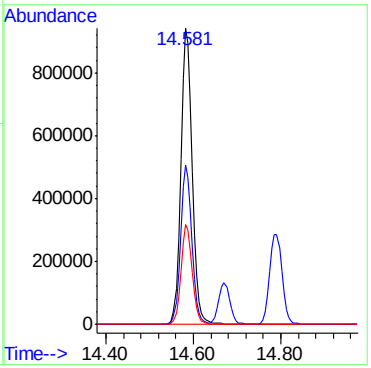


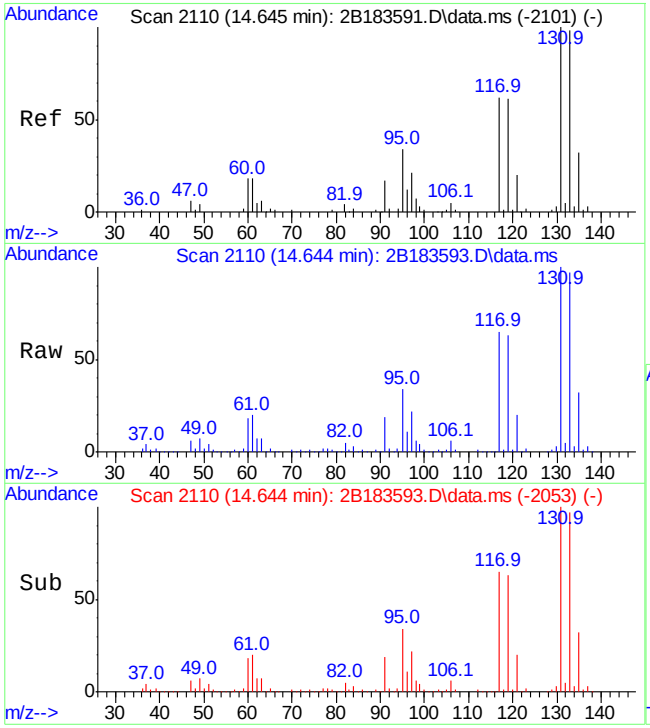


#86
chlorobenzene
Concen: 191.86 ug/L
RT: 14.581 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:112 Resp: 1705612

Ion	Ratio	Lower	Upper
112	100		
77	53.8	21.5	81.5
114	33.7	2.8	62.8

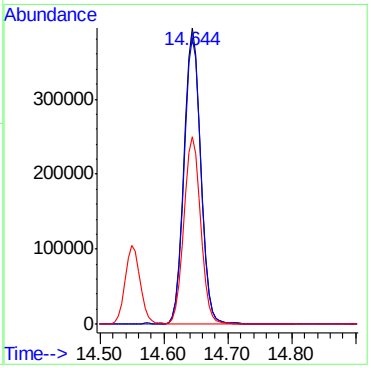


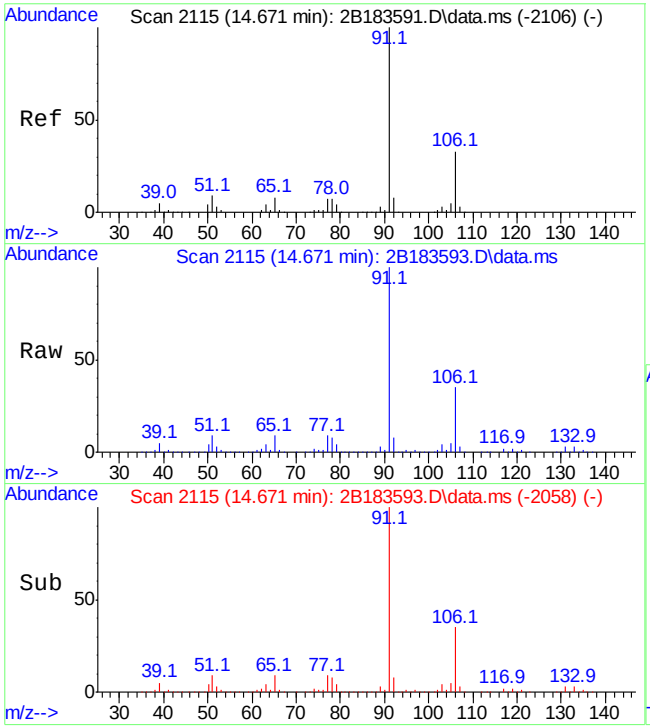


#87
1,1,1,2-tetrachloroethane
Concen: 192.90 ug/L
RT: 14.644 min Scan# 2110
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:131 Resp: 715261

Ion	Ratio	Lower	Upper
131	100		
133	96.5	67.8	127.8
119	63.4	32.9	92.9

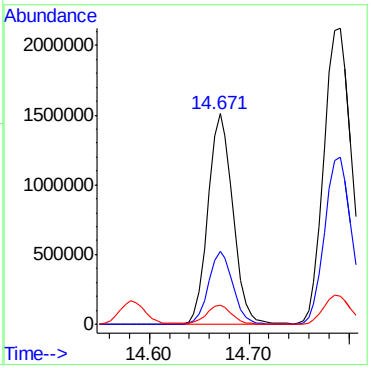


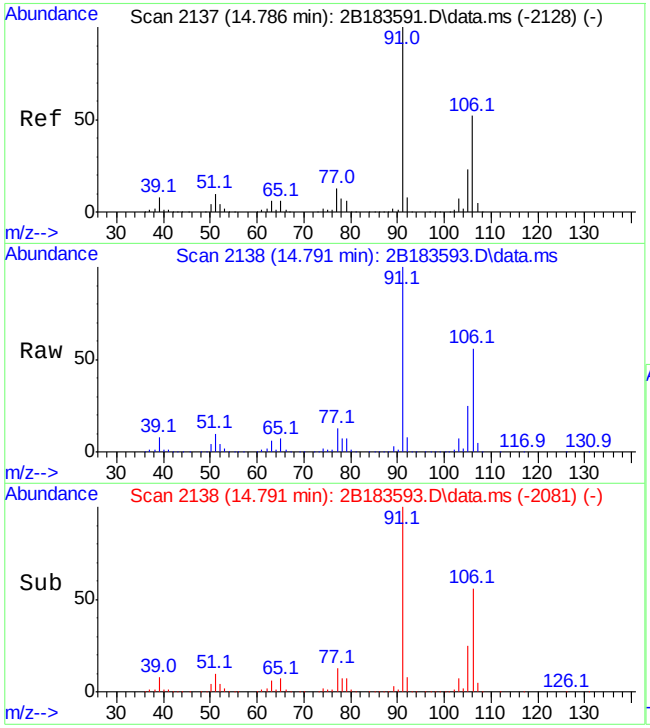


#88
ethylbenzene
Concen: 181.75 ug/L
RT: 14.671 min Scan# 2115
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 91 Resp: 2607961

Ion	Ratio	Lower	Upper
91	100		
106	34.8	3.0	63.0
51	9.2	0.0	39.2

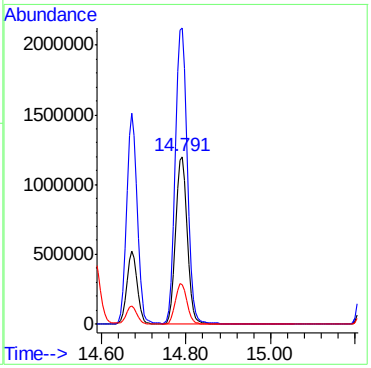


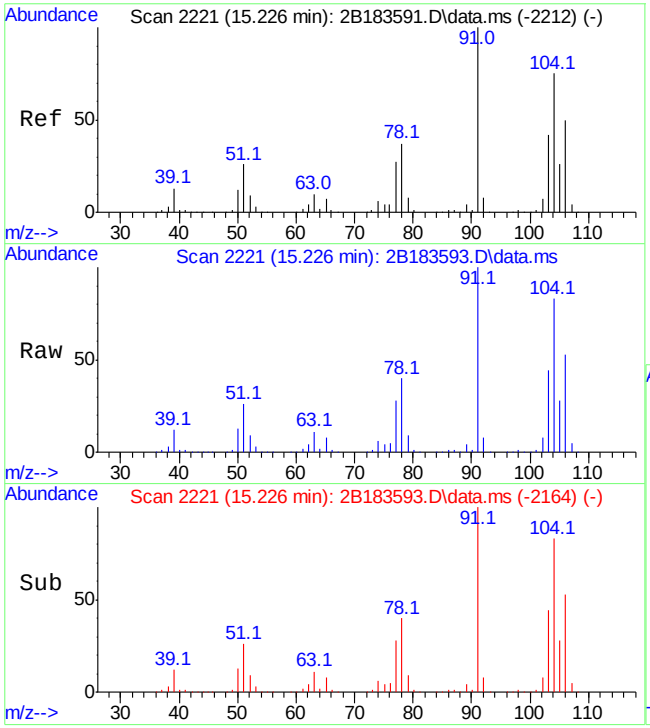


#89
m,p-xylene
Concen: 390.90 ug/L
RT: 14.791 min Scan# 2138
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:106 Resp: 2265652

Ion	Ratio	Lower	Upper
106	100		
91	177.0	162.7	222.7
77	23.8	5.0	45.0

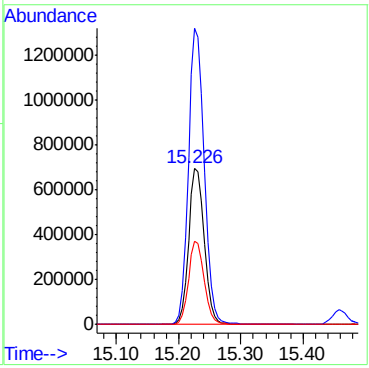


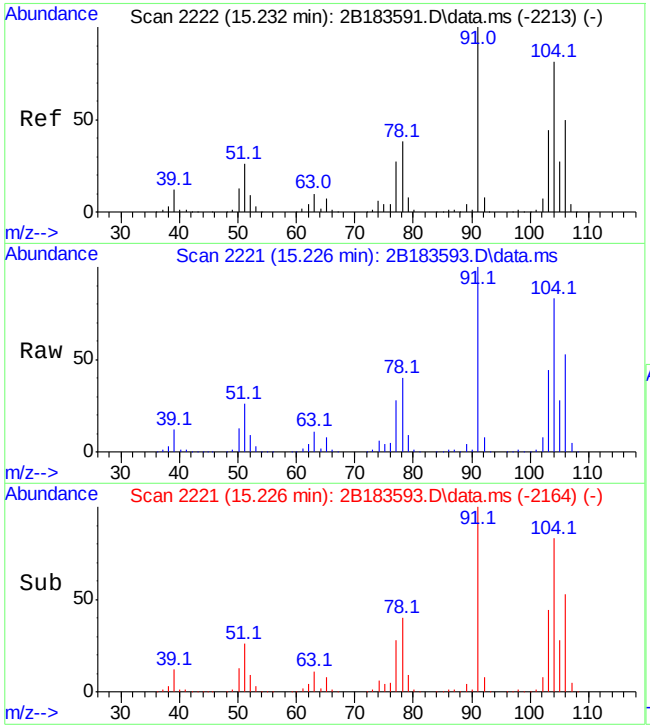


#90
o-xylene
Concen: 197.45 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:106 Resp: 1219240

Ion	Ratio	Lower	Upper
106	100		
91	189.4	169.5	229.5
77	53.4	33.1	73.1

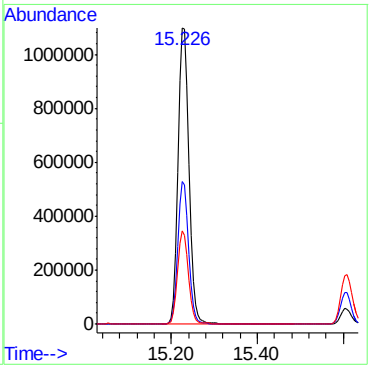


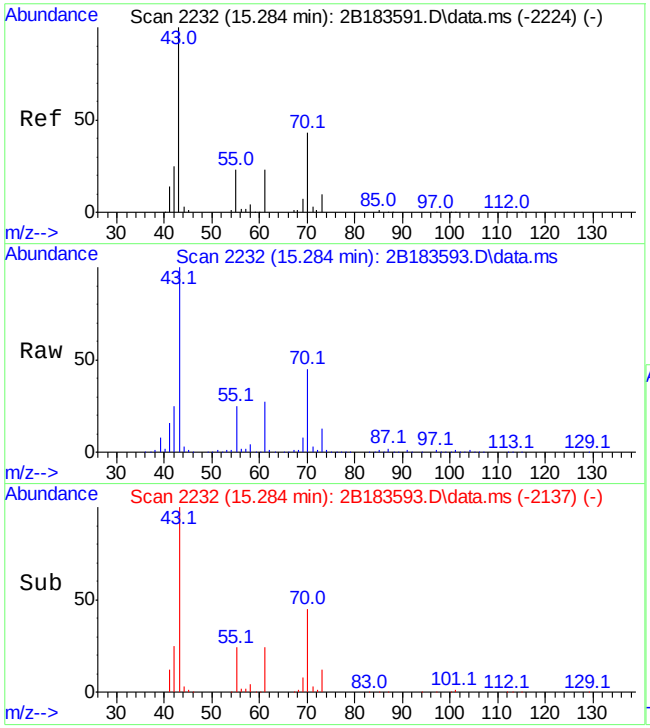


#91
styrene
Concen: 197.29 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:104 Resp: 1946572

Ion	Ratio	Lower	Upper
104	100		
78	48.3	16.8	76.8
51	31.6	2.1	62.1

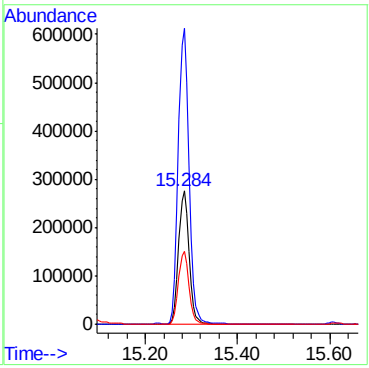


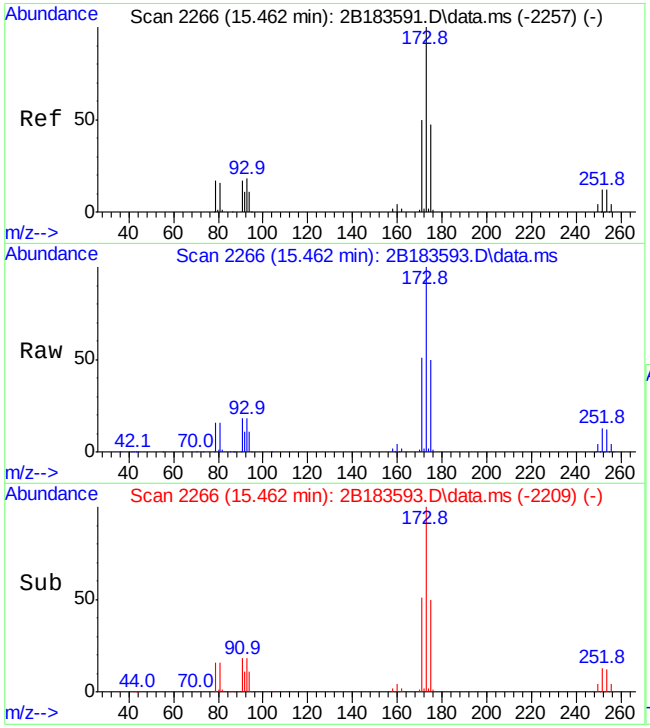


#92
n-amyl acetate
Concen: 215.89 ug/L
RT: 15.284 min Scan# 2232
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 70 Resp: 439082

Ion	Ratio	Lower	Upper
70	100		
43	222.0	202.3	262.3
55	54.8	23.6	83.6

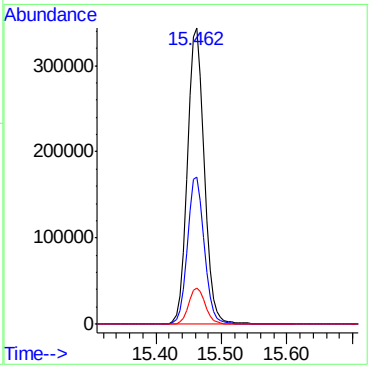


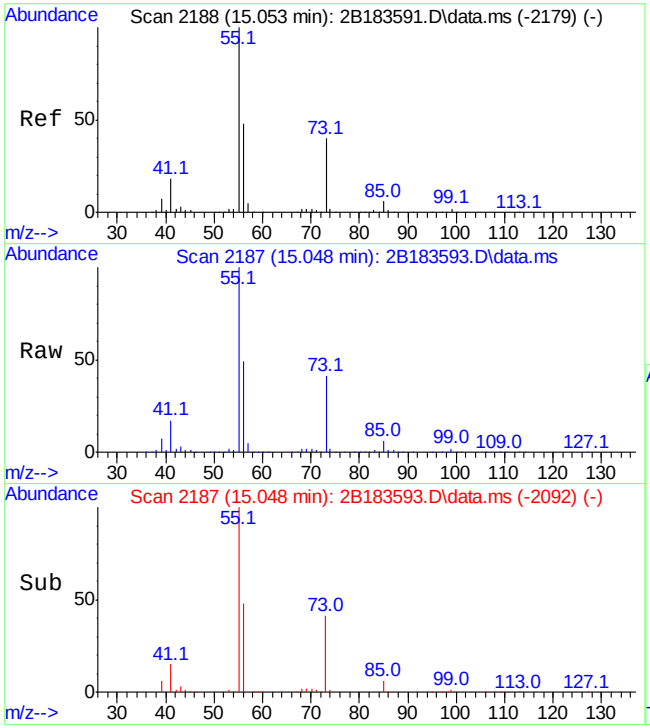


#93
bromoform
Concen: 209.54 ug/L
RT: 15.462 min Scan# 2266
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:173 Resp: 624384

Ion	Ratio	Lower	Upper
173	100		
175	49.7	17.3	77.3
254	12.2	0.0	42.0

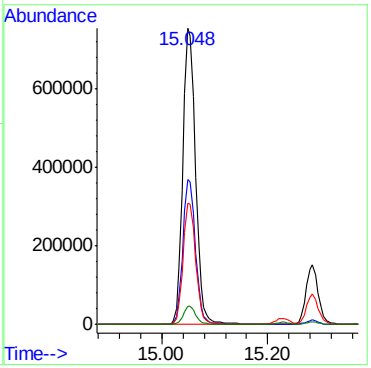


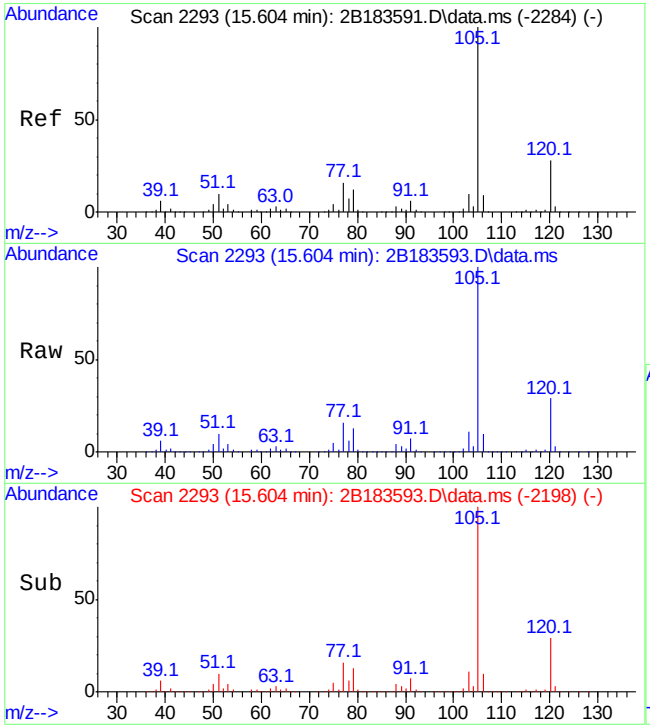


#94
butyl acrylate
Concen: 221.63 ug/L
RT: 15.048 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 55 Resp: 1261750

Ion	Ratio	Lower	Upper
55	100		
56	49.1	18.2	78.2
73	40.8	10.0	70.0
85	5.9	0.0	35.9

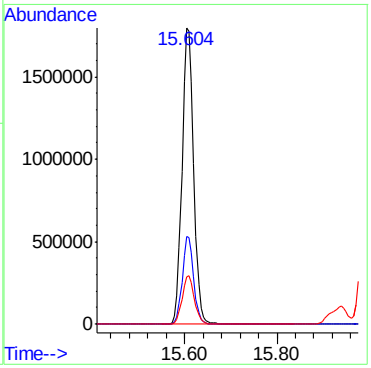


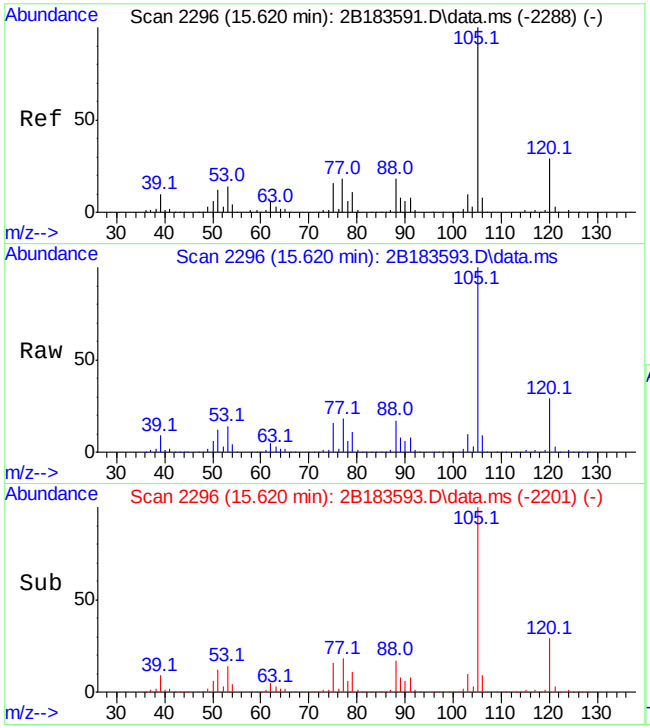


#95
isopropylbenzene
Concen: 188.56 ug/L
RT: 15.604 min Scan# 2293
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:105 Resp: 3175524

Ion	Ratio	Lower	Upper
105	100		
120	29.4	7.6	47.6
77	16.1	0.0	35.7

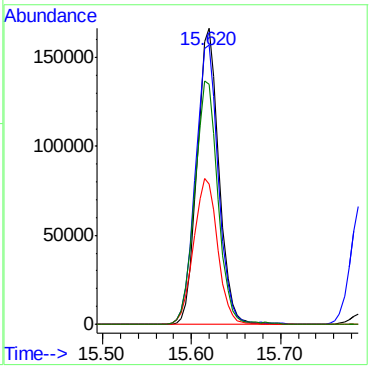


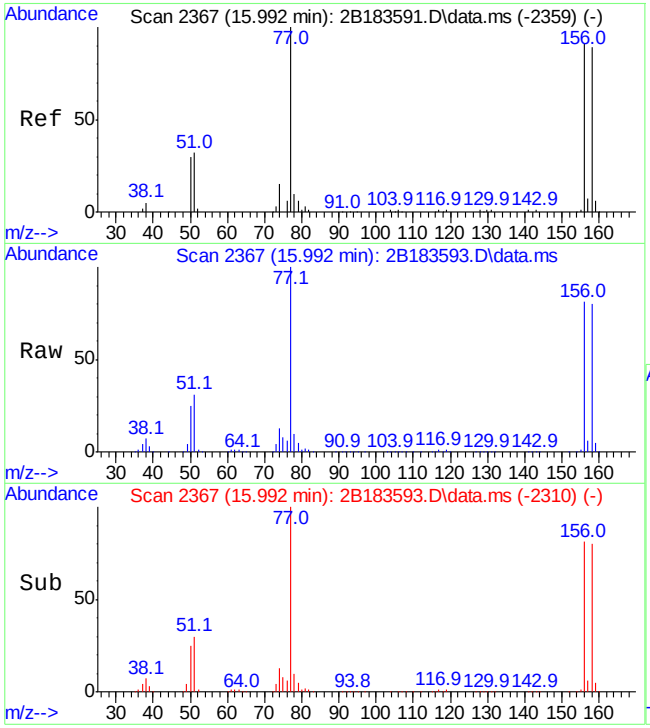


#96
cis-1,4-dichloro-2-butene
Concen: 199.18 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 88 Resp: 282842

Ion	Ratio	Lower	Upper
88	100		
75	94.5	74.3	114.3
89	47.5	26.9	66.9
53	80.9	62.3	102.3

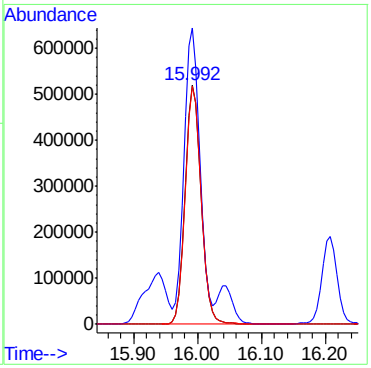


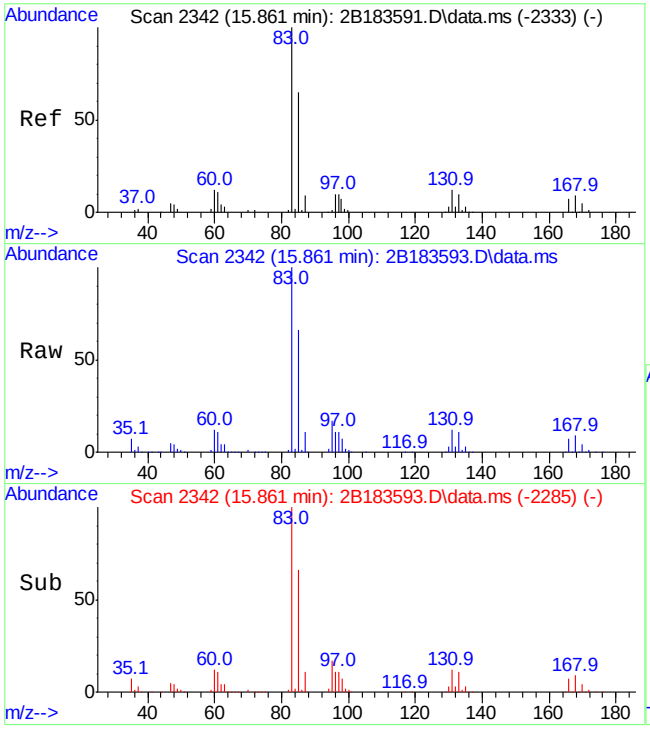


#99
bromobenzene
Concen: 194.55 ug/L
RT: 15.992 min Scan# 2367
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:156 Resp: 899939

Ion	Ratio	Lower	Upper
156	100		
77	123.7	94.4	154.4
158	99.5	68.2	128.2

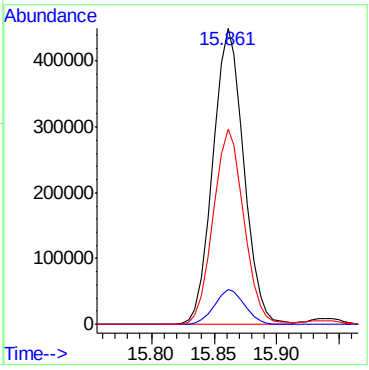


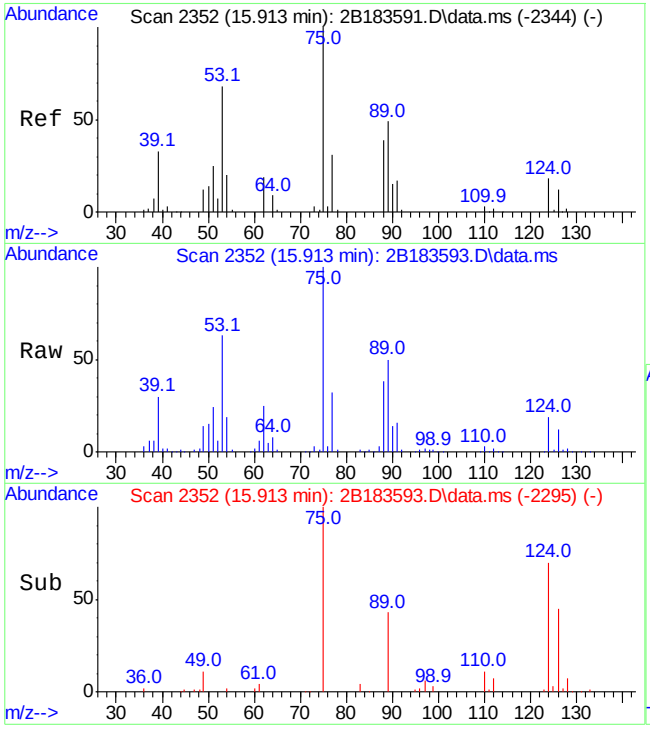


#100
1,1,2,2-tetrachloroethane
Concen: 203.78 ug/L
RT: 15.861 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 83 Resp: 776130

Ion	Ratio	Lower	Upper
83	100		
131	11.9	0.0	41.6
85	65.9	34.8	94.8

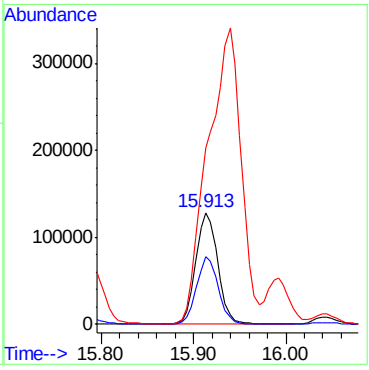


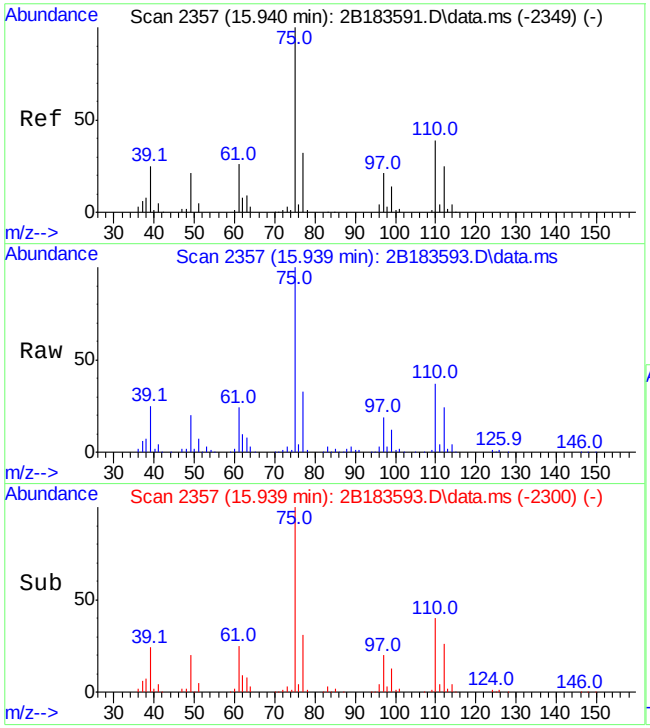


#101
trans-1,4-dichloro-2-butene
Concen: 213.71 ug/L
RT: 15.913 min Scan# 2352
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 53 Resp: 211222

Ion	Ratio	Lower	Upper
53	100		
88	60.5	26.5	86.5
75	157.6	116.8	176.8

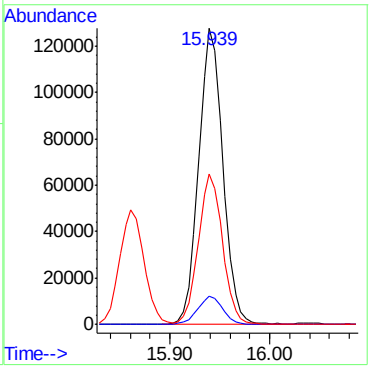


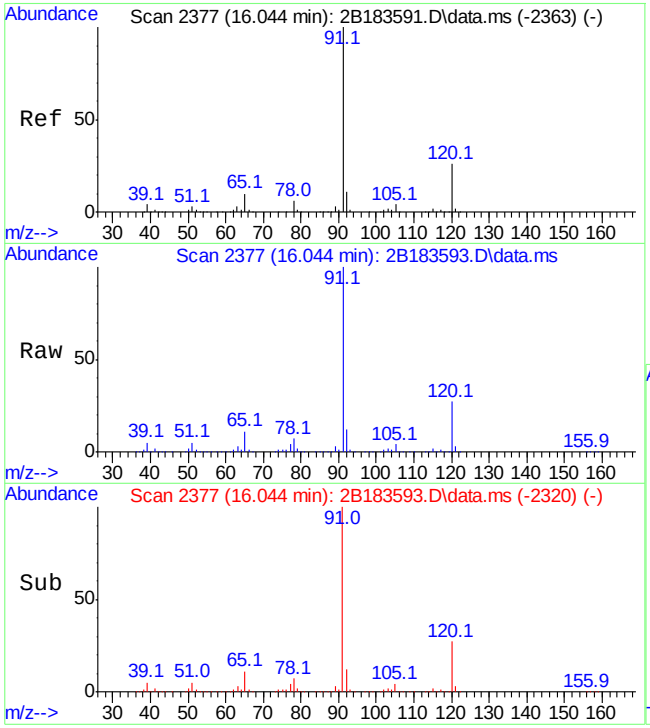


#102
1,2,3-trichloropropane
Concen: 194.48 ug/L
RT: 15.939 min Scan# 2357
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:110 Resp: 214797

Ion	Ratio	Lower	Upper
110	100		
111	9.6	0.0	40.7
97	50.9	23.2	83.2

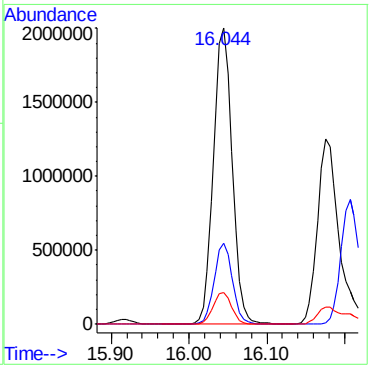


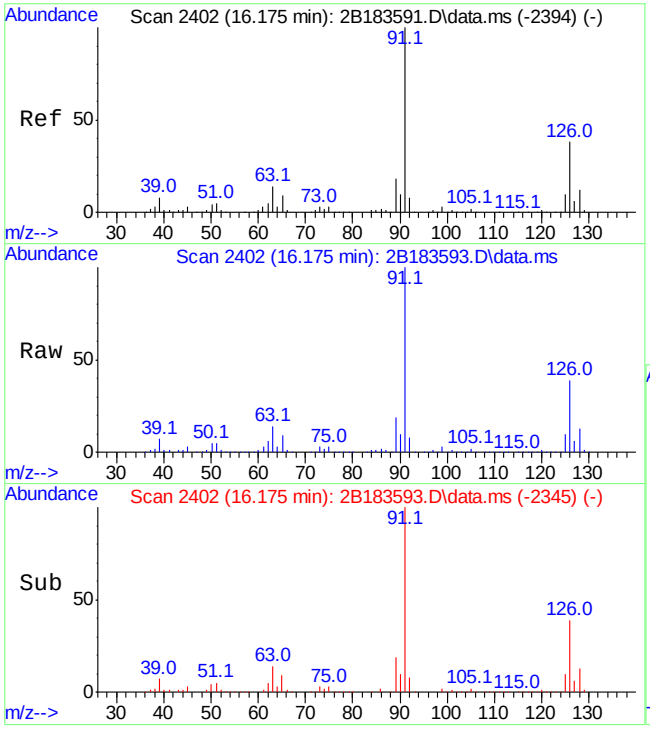


#103
n-propylbenzene
Concen: 189.95 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 91 Resp: 3364364

Ion	Ratio	Lower	Upper
91	100		
120	27.4	0.0	55.5
65	10.6	0.0	39.9

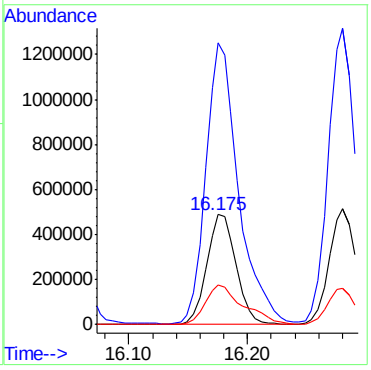


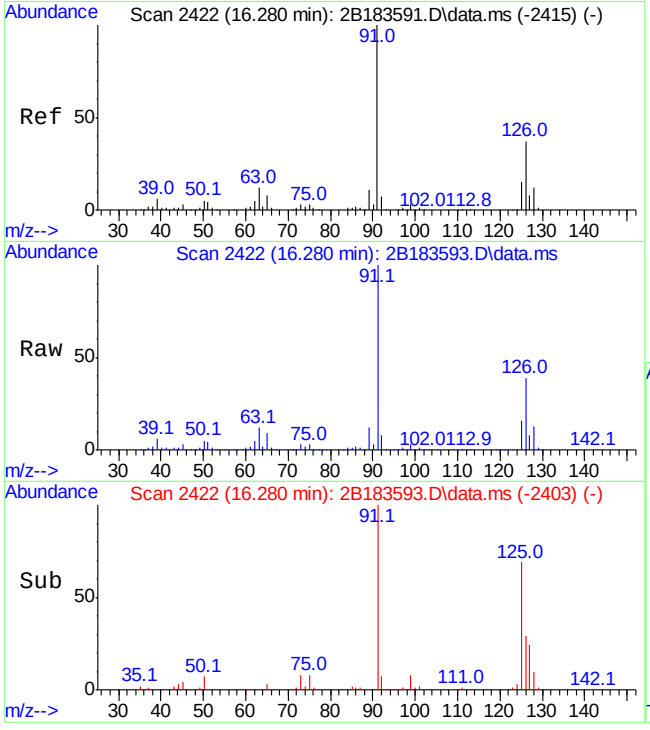


#104
2-chlorotoluene
Concen: 200.63 ug/L
RT: 16.175 min Scan# 2402
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:126 Resp: 837429

Ion	Ratio	Lower	Upper
126	100		
91	255.6	233.1	293.1
63	35.9	6.5	66.5

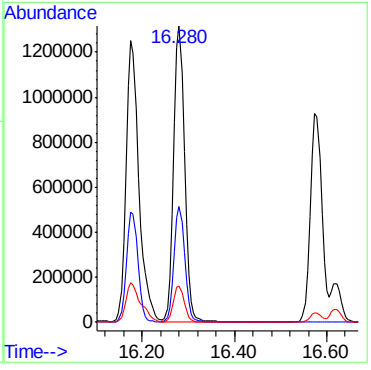


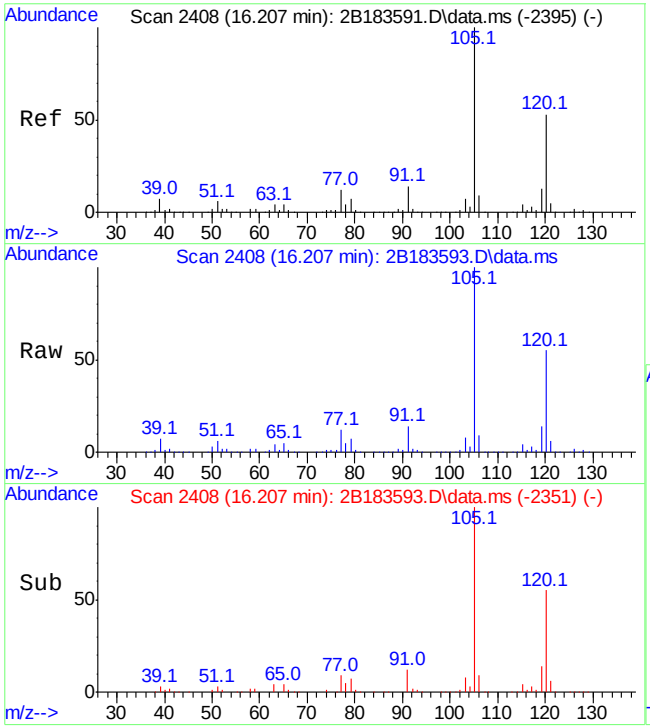


#105
4-chlorotoluene
Concen: 194.58 ug/L
RT: 16.280 min Scan# 2422
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 91 Resp: 2175650

Ion	Ratio	Lower	Upper
91	100		
126	39.0	7.4	67.4
63	12.2	0.0	42.1

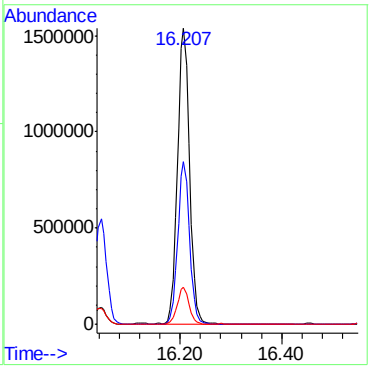


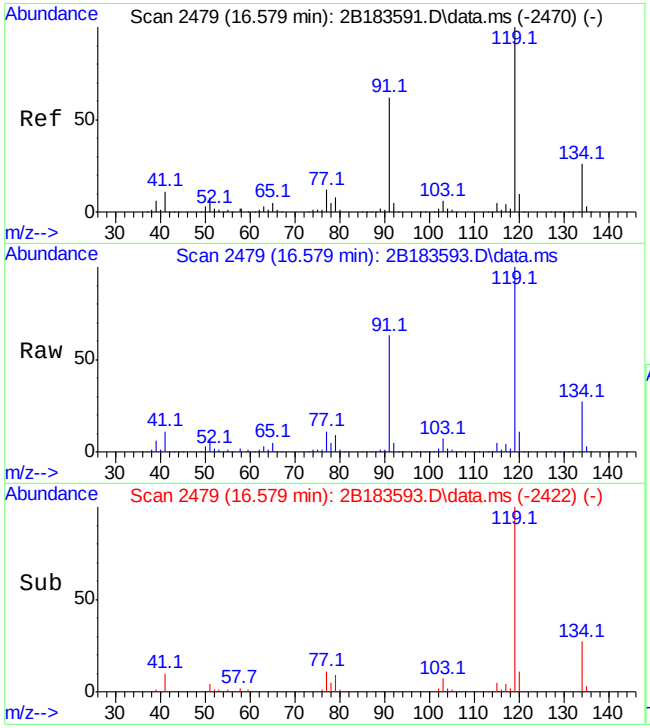


#106
1,3,5-trimethylbenzene
Concen: 191.07 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:105 Resp: 2558919

Ion	Ratio	Lower	Upper
105	100		
120	54.9	22.7	82.7
77	12.4	0.0	42.1

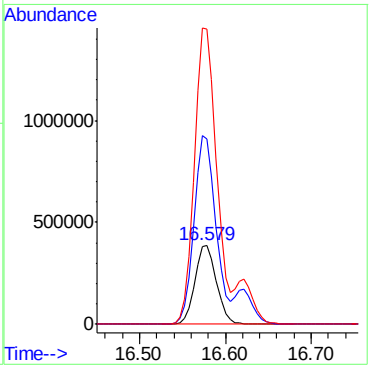


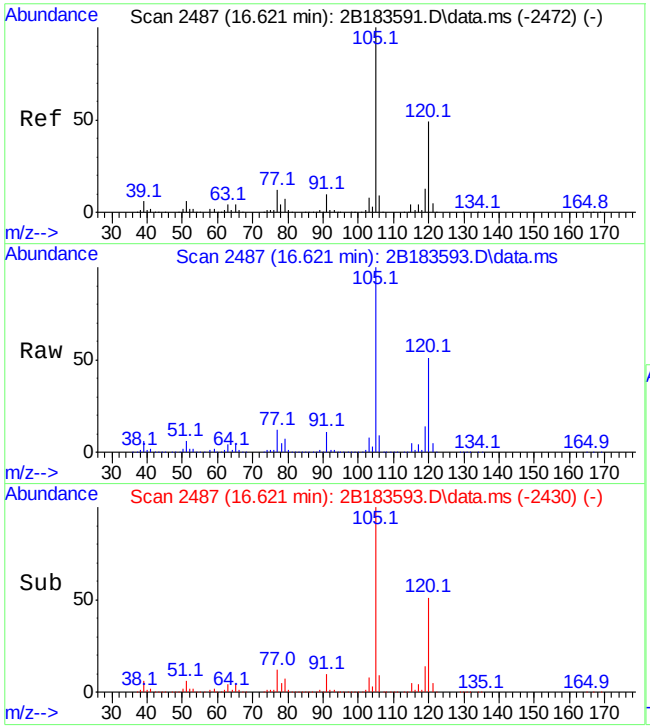


#107
tert-butylbenzene
Concen: 206.12 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:134 Resp: 656110

Ion	Ratio	Lower	Upper
134	100		
91	235.0	208.1	268.1
119	374.1	353.9	413.9

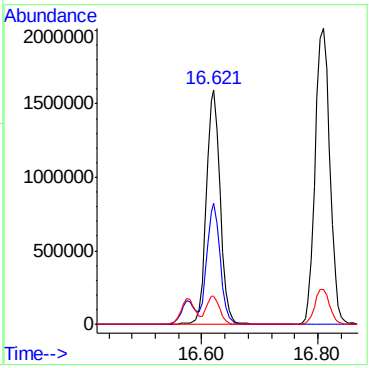


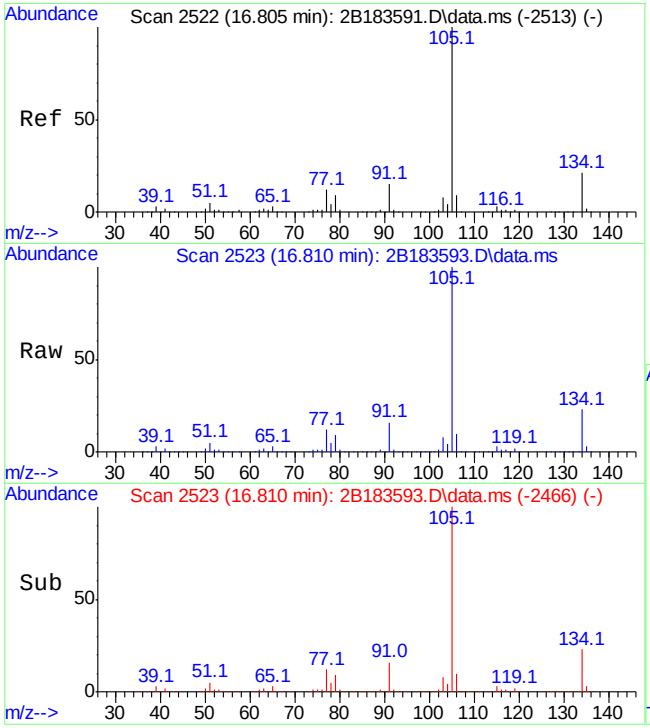


#108
1,2,4-trimethylbenzene
Concen: 191.46 ug/L
RT: 16.621 min Scan# 2487
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:105 Resp: 2668110

Ion	Ratio	Lower	Upper
105	100		
120	51.4	19.5	79.5
77	12.0	0.0	41.6

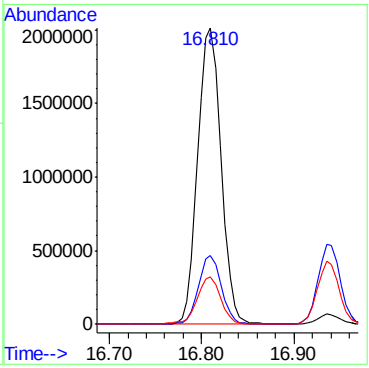


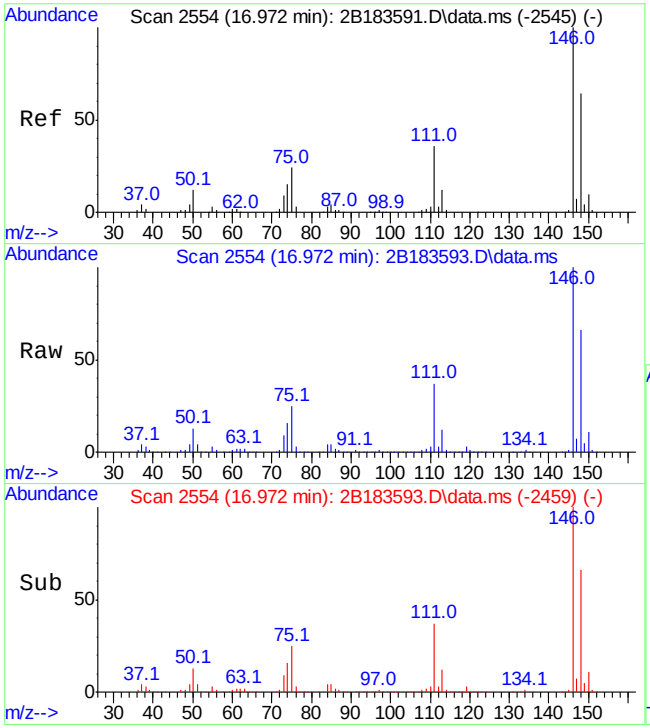


#109
sec-butylbenzene
Concen: 190.89 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:105 Resp: 3537165

Ion	Ratio	Lower	Upper
105	100		
134	23.2	0.0	50.9
91	15.7	0.0	44.9

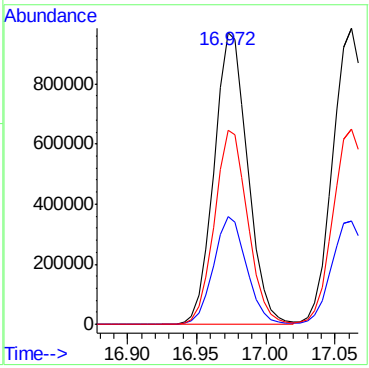


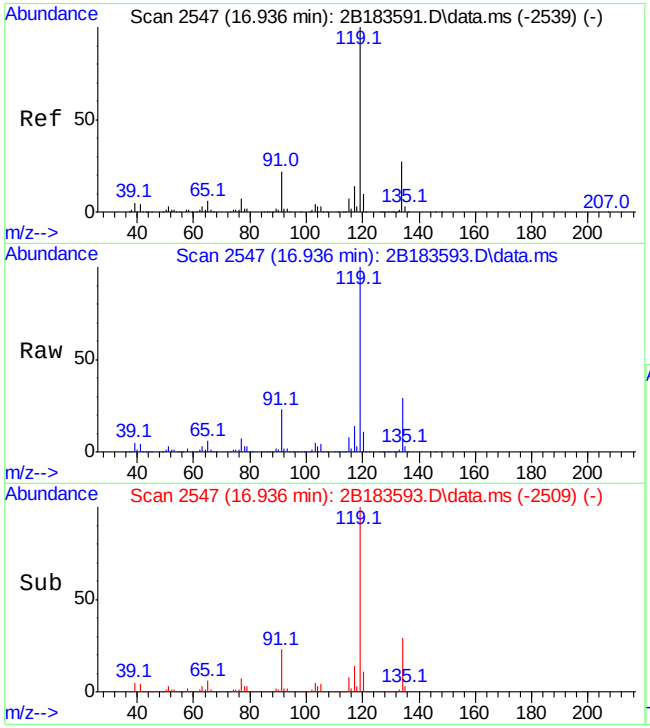


#110
1,3-dichlorobenzene
Concen: 189.80 ug/L
RT: 16.972 min Scan# 2554
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:146 Resp: 1652739

Ion	Ratio	Lower	Upper
146	100		
111	37.1	6.0	66.0
148	66.4	34.1	94.1

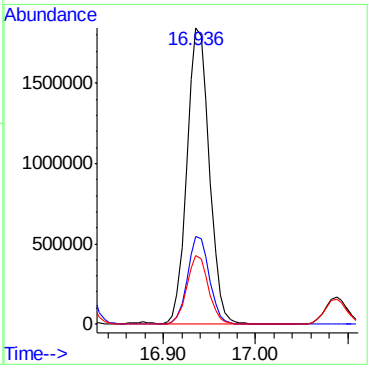


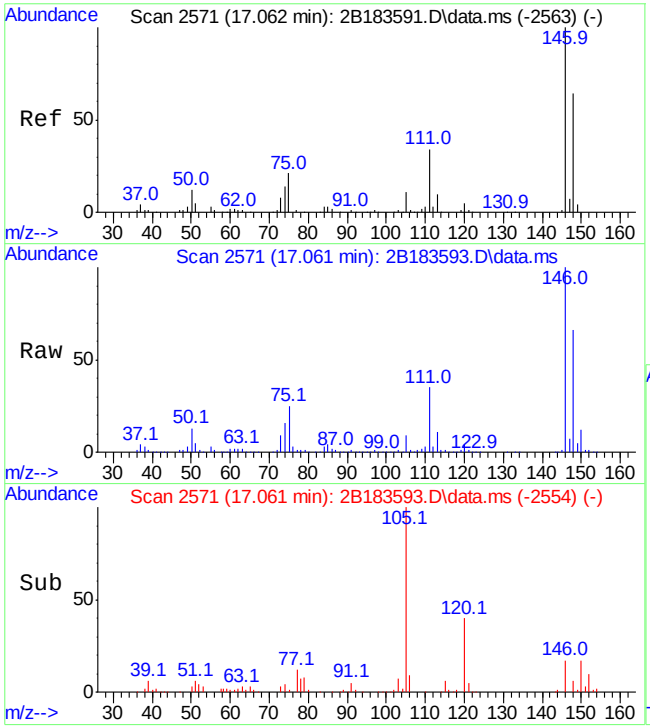


#111
p-isopropyltoluene
Concen: 191.17 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:119 Resp: 3105016

Ion	Ratio	Lower	Upper
119	100		
134	29.4	0.0	57.3
91	23.0	0.0	51.8

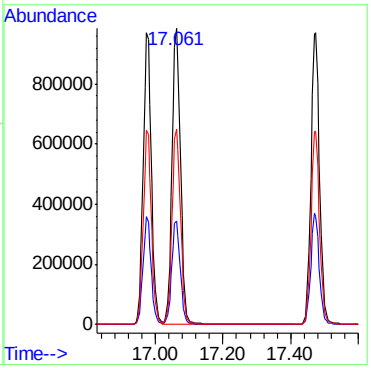


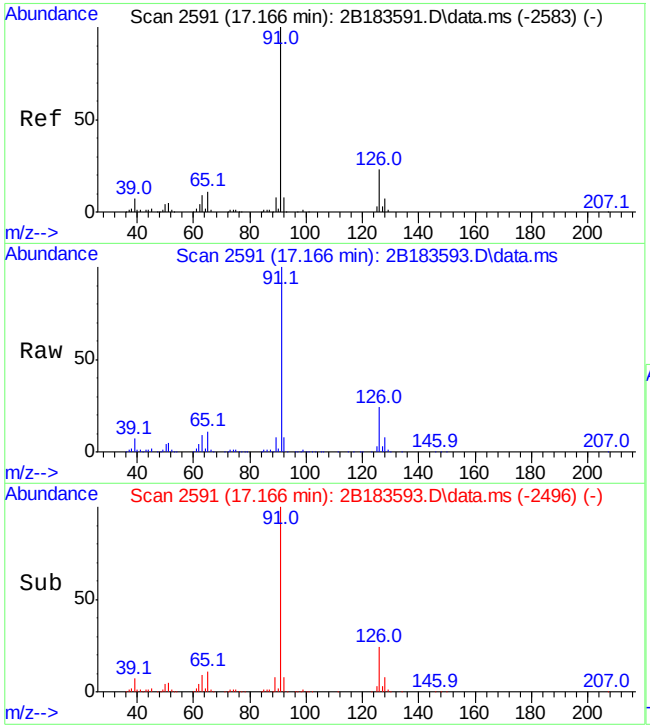


#112
1,4-dichlorobenzene
Concen: 203.76 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:146 Resp: 1740892

Ion	Ratio	Lower	Upper
146	100		
111	34.9	4.0	64.0
148	66.0	34.3	94.3

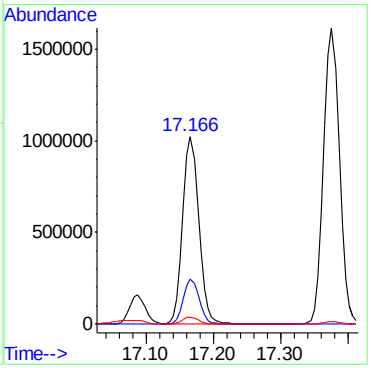


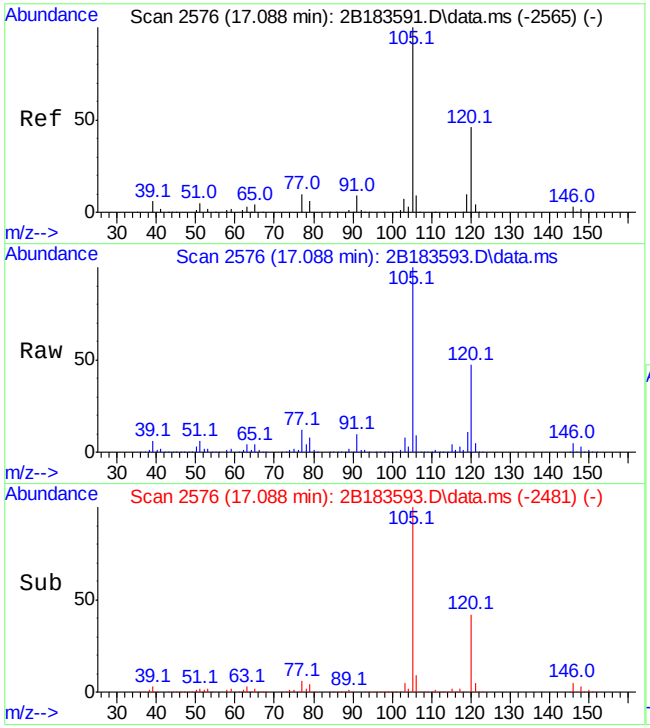


#113
benzyl chloride
Concen: 219.51 ug/L
RT: 17.166 min Scan# 2591
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 91 Resp: 1713904

Ion	Ratio	Lower	Upper
91	100		
126	24.0	0.0	52.7
62	3.9	0.0	34.0

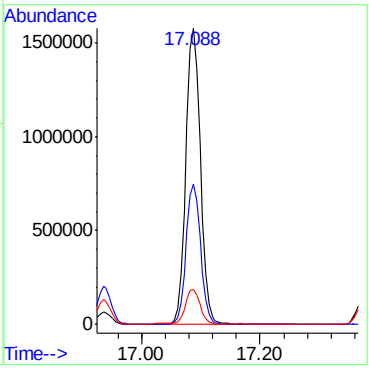


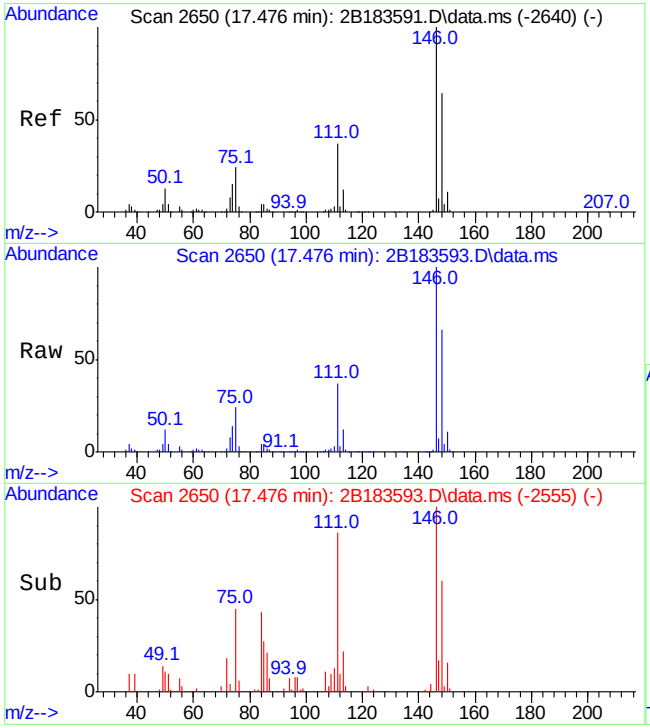


#114
1,2,3-trimethylbenzene
Concen: 195.72 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:105 Resp: 2666499

Ion	Ratio	Lower	Upper
105	100		
120	47.4	16.3	76.3
77	11.9	0.0	41.7

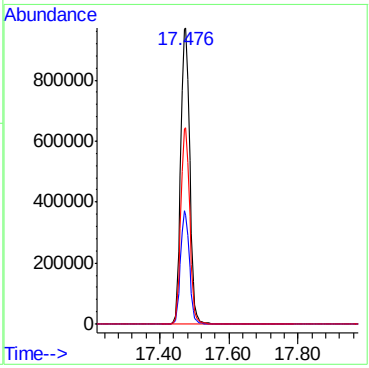


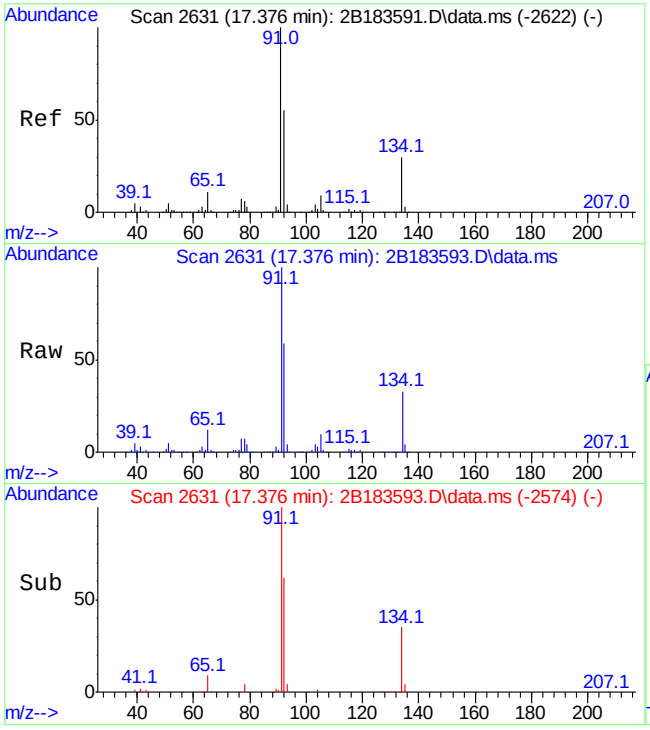


#115
1,2-dichlorobenzene
Concen: 199.03 ug/L
RT: 17.476 min Scan# 2650
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:146 Resp: 1730539

Ion	Ratio	Lower	Upper
146	100		
111	36.9	6.6	66.6
148	66.2	34.3	94.3

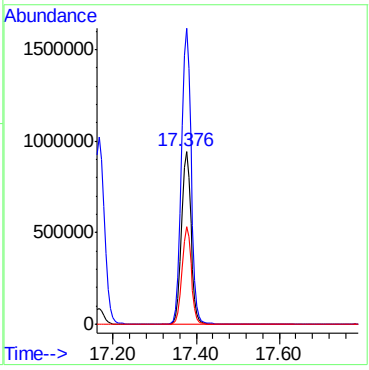


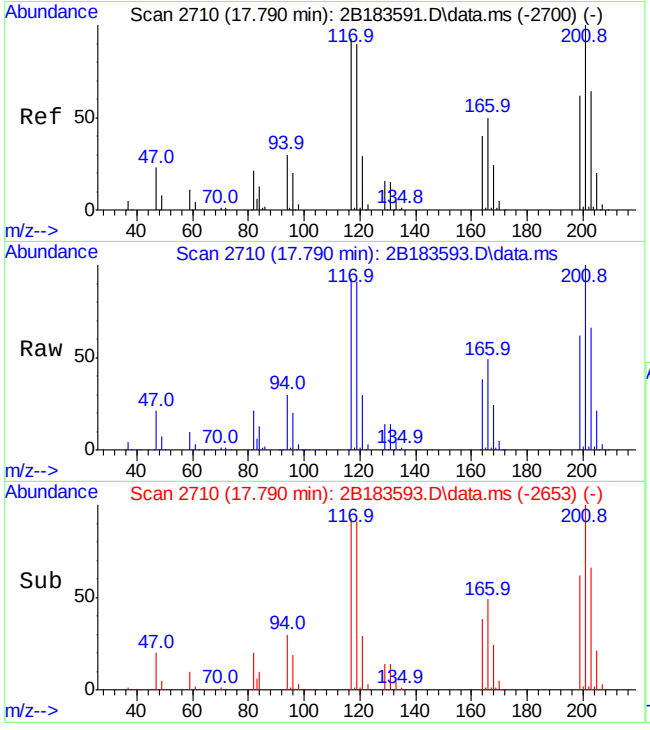


#116
n-butylbenzene
Concen: 201.25 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 92 Resp: 1536344

Ion	Ratio	Lower	Upper
92	100		
91	170.8	150.9	210.9
134	56.3	23.6	83.6

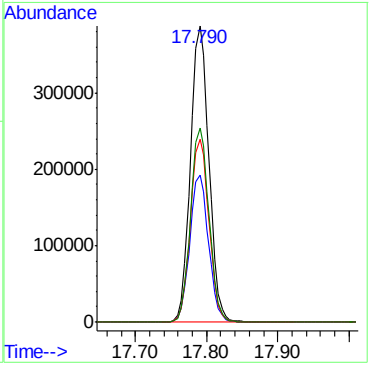


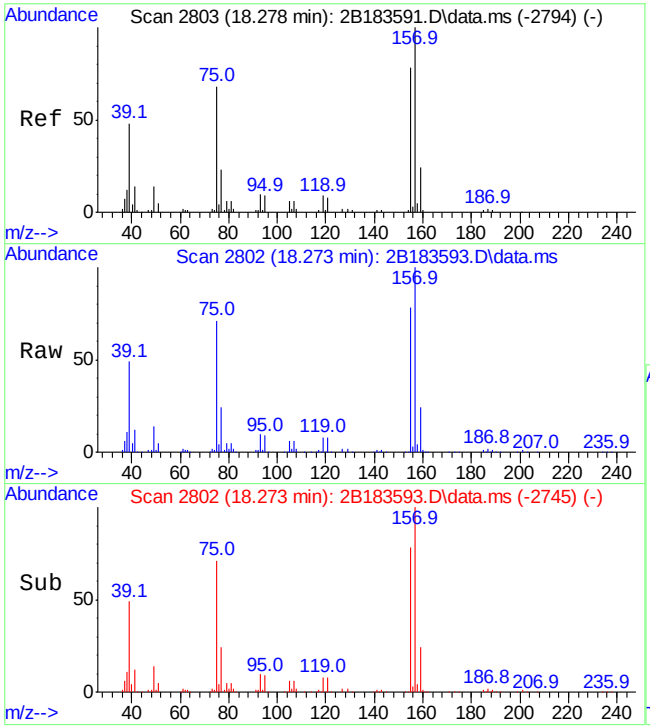


#117
hexachloroethane
Concen: 206.98 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:201 Resp: 697529

Ion	Ratio	Lower	Upper
201	100		
166	49.5	30.5	70.5
199	61.7	42.1	82.1
203	65.5	44.3	84.3

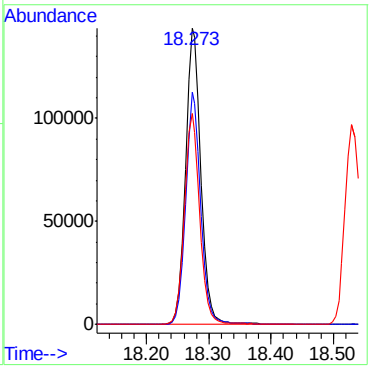


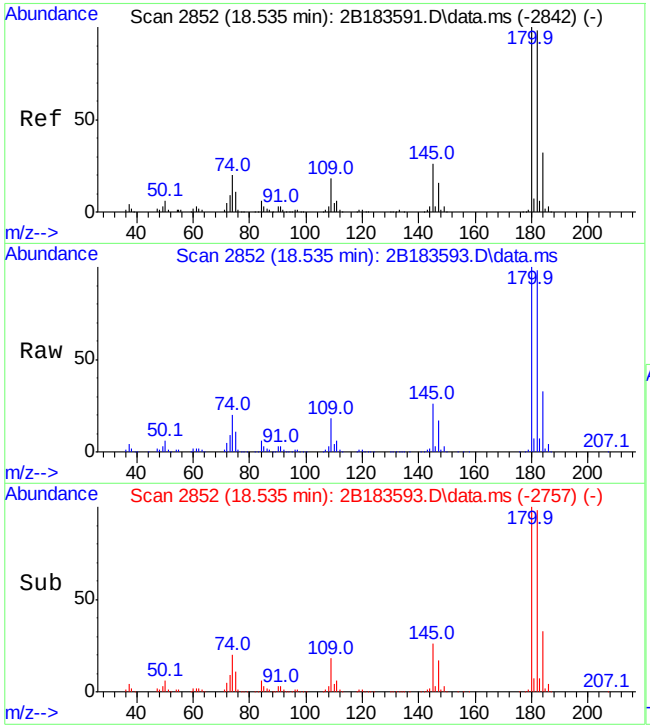


#118
1,2-dibromo-3-chloropropane
Concen: 213.16 ug/L
RT: 18.273 min Scan# 2802
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:157 Resp: 250851

Ion	Ratio	Lower	Upper
157	100		
155	78.3	47.6	107.6
75	71.4	38.4	98.4

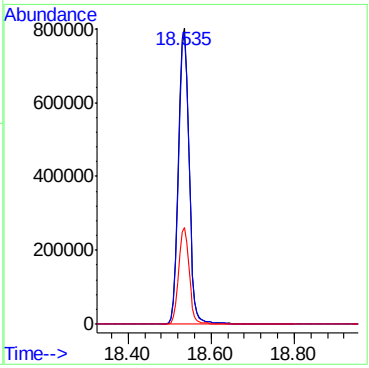


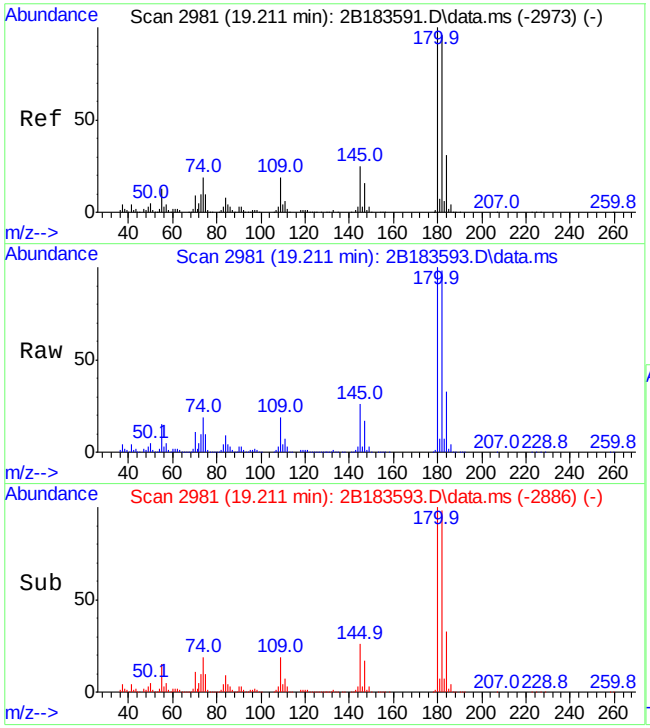


#119
1,3,5-trichlorobenzene
Concen: 186.94 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:180 Resp: 1434034

Ion	Ratio	Lower	Upper
180	100		
182	97.8	67.9	127.9
184	32.8	1.5	61.5

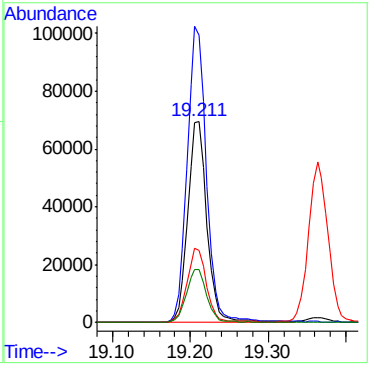


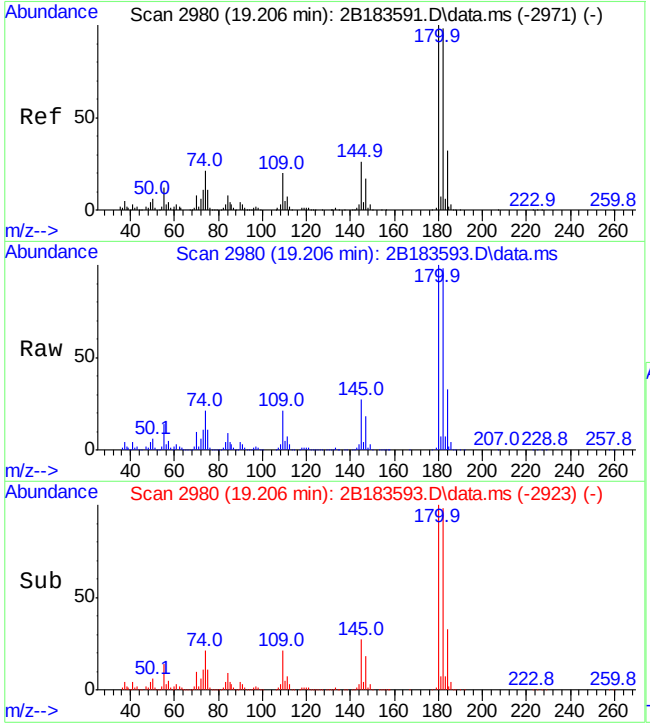


#120
2-ethylhexyl acrylate
Concen: 38.46 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion: 70 Resp: 117943

Ion	Ratio	Lower	Upper
70	100		
55	142.8	127.3	167.3
83	35.6	16.1	56.1
112	26.2	7.1	47.1

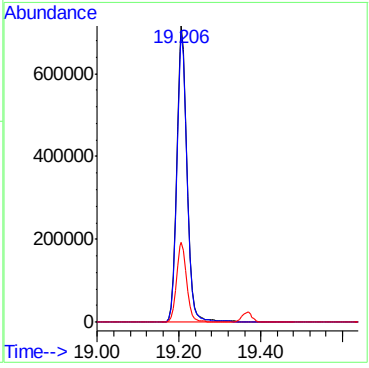


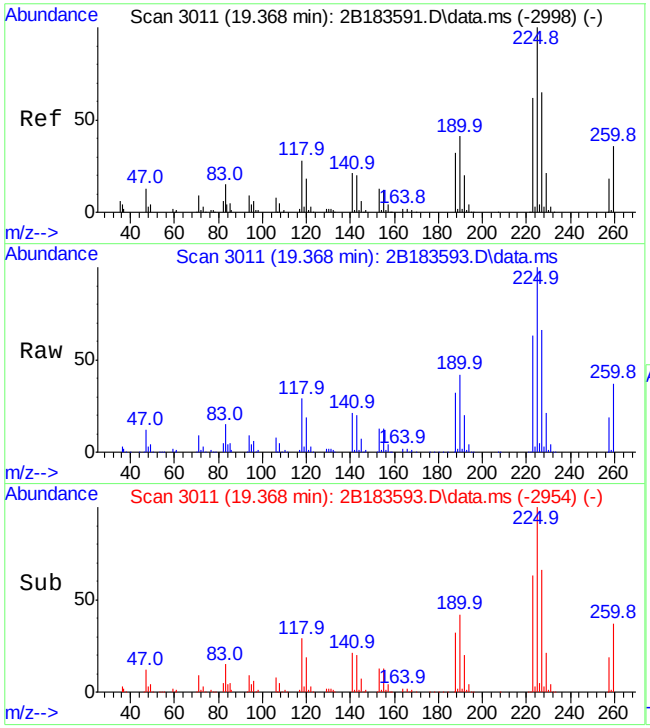


#121
1,2,4-trichlorobenzene
Concen: 185.70 ug/L
RT: 19.206 min Scan# 2980
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:180 Resp: 1289541

Ion	Ratio	Lower	Upper
180	100		
182	98.1	68.2	128.2
145	27.0	0.0	56.2

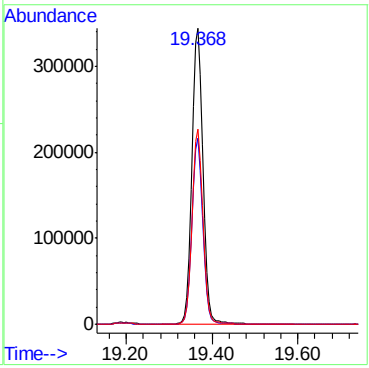


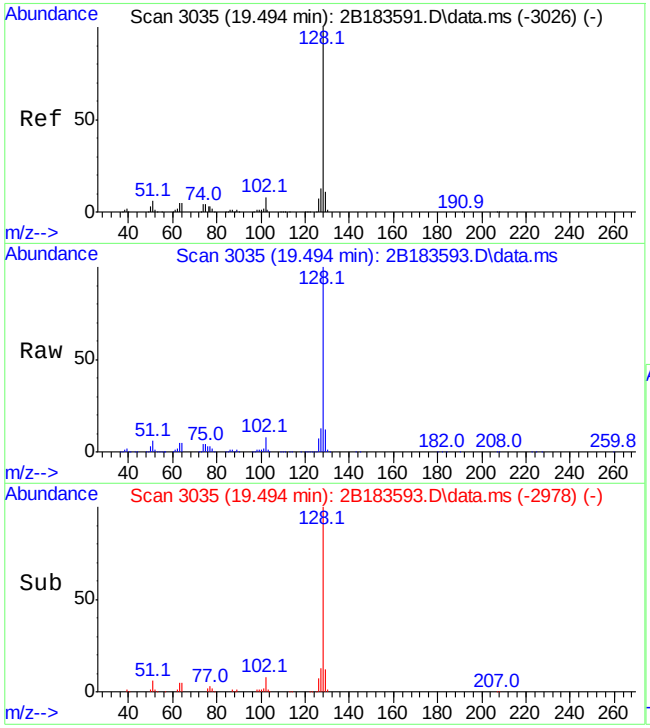


#122
hexachlorobutadiene
Concen: 173.40 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:225 Resp: 617970

Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.1	92.1
227	66.0	34.7	94.7

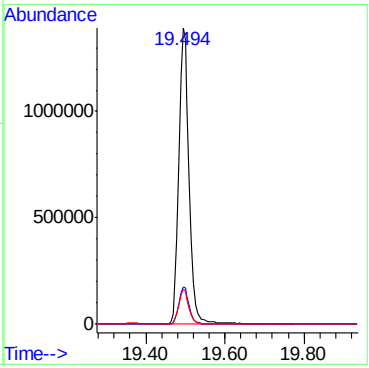


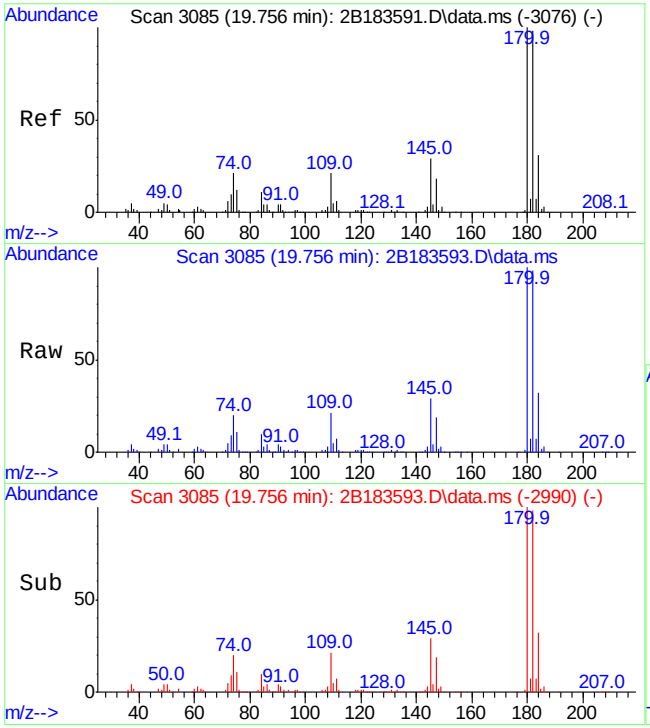


#123
naphthalene
Concen: 189.26 ug/L
RT: 19.494 min Scan# 3035
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:128 Resp: 2512825

Ion	Ratio	Lower	Upper
128	100		
127	12.6	0.0	42.6
129	11.7	0.0	41.2

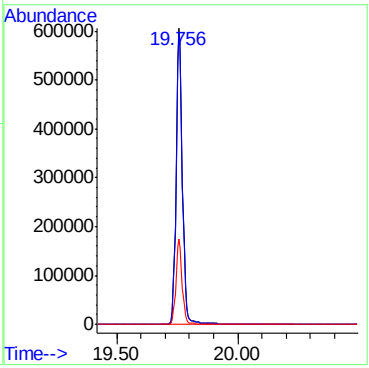


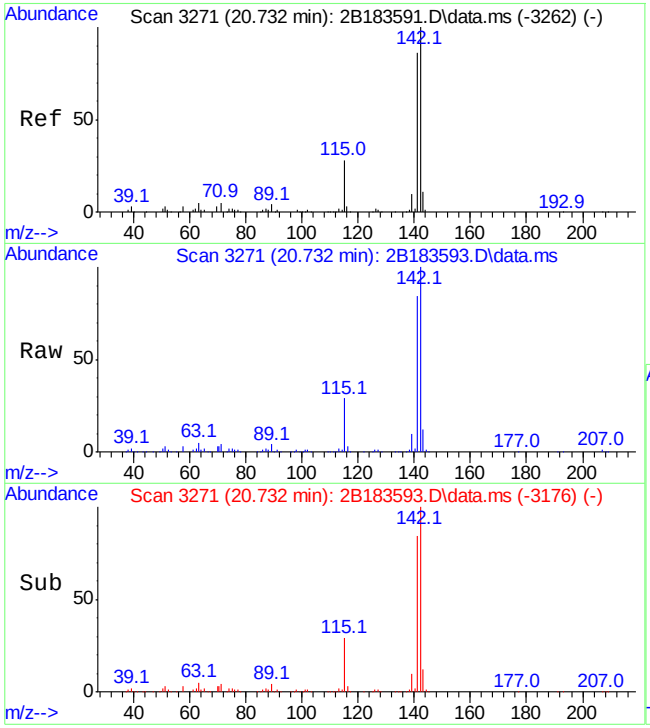


#124
1,2,3-trichlorobenzene
Concen: 190.11 ug/L
RT: 19.756 min Scan# 3085
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:180 Resp: 1115175

Ion	Ratio	Lower	Upper
180	100		
182	98.4	68.2	128.2
145	29.0	0.0	58.6

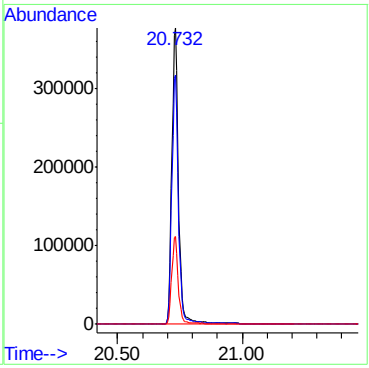




#125
2-methylnaphthalene
Concen: 95.68 ug/L
RT: 20.732 min Scan# 3271
Delta R.T. 0.000 min
Lab File: 2B183593.D
Acq: 16 Jun 21 10:17 pm

Tgt Ion:142 Resp: 708049

Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.0	106.0
115	29.4	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183596.D
Acq On : 16 Jun 2021 11:44 pm
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 17 19:01:36 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.739	65	117940	500.00	ug/L	-0.01
5) pentafluorobenzene	10.256	168	357506	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	493475	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	488451	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.035	152	260259	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	159713	49.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.98%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	165803	48.53	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.06%			
74) toluene-d8 (s)	12.951	98	575983	48.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.80%			
98) 4-bromofluorobenzene (s)	15.787	95	220669	50.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.68%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.881	59	73142	279.82	ug/L	98
3) ethanol	6.339	45	124579	5575.51	ug/L	96
4) 1,4-dioxane	11.939	88	31006	1434.94	ug/L	97
7) dichlorodifluoromethane	4.143	85	374587	63.57	ug/L	100
8) chloromethane	4.546	50	262230	47.70	ug/L	99
9) vinyl chloride	4.793	62	288982	56.33	ug/L	99
10) 1,3-butadiene	4.829	54	206103	58.15	ug/L	99
11) bromomethane	5.448	94	213446	57.75	ug/L	100
12) chloroethane	5.621	64	138072	54.37	ug/L	99
13) trichlorofluoromethane	6.124	101	347981	56.70	ug/L	97
14) ethyl ether	6.607	74	88524	58.12	ug/L	95
15) acrolein	6.806	56	29557	58.97	ug/L	97
16) freon 113	7.068	151	159251	51.32	ug/L	99
17) 1,1-dichloroethene	7.037	96	144139	54.06	ug/L	99
18) acetone	7.031	43	153505	221.11	ug/L	99
20) iodomethane	7.299	142	323372	54.47	ug/L	99
21) carbon disulfide	7.461	76	476482	52.32	ug/L	99
22) methylene chloride	7.781	84	156094	54.59	ug/L	99
23) methyl acetate	7.598	43	95825	50.61	ug/L	97
24) methyl tert butyl ether	8.237	73	489109	57.04	ug/L	100
25) trans-1,2-dichloroethene	8.248	96	154085	53.27	ug/L	99
26) di-isopropyl ether	8.929	45	461949	52.89	ug/L	100
27) 2-butanone	9.595	72	64636	249.87	ug/L	97
28) 1,1-dichloroethane	8.840	63	268687	55.35	ug/L	98
29) chloroprene	8.998	53	234857	62.72	ug/L	97
31) hexane	8.678	56	120929	56.58	ug/L	99
32) vinyl acetate	8.872	86	29077	55.24	ug/L	95
33) ethyl tert-butyl ether	9.433	59	516694	54.19	ug/L	100
34) ethyl acetate	9.674	45	19657	60.41	ug/L #	83
35) 2,2-dichloropropane	9.669	77	250074	54.59	ug/L	98
36) cis-1,2-dichloroethene	9.637	96	171767	56.06	ug/L	98
37) methyl acrylate	9.747	55	114657	56.14	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183596.D
Acq On : 16 Jun 2021 11:44 pm
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 17 19:01:36 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) propionitrile	9.637	54	184197	575.87	ug/L		98
39) bromochloromethane	9.952	128	95822	54.97	ug/L		96
40) tetrahydrofuran	10.036	72	18261	58.14	ug/L		96
41) chloroform	10.031	85	182468	51.61	ug/L		98
42) t-butyl formate	10.114	59	107650	45.31	ug/L		98
44) methacrylonitrile	9.878	67	58881	60.34	ug/L		98
45) 1,1,1-trichloroethane	10.345	97	276522	58.18	ug/L		99
46) cyclohexane	10.466	84	257581	61.01	ug/L		94
47) 1,1-dichloropropene	10.544	75	208393	56.35	ug/L		99
48) iso-butyl alcohol	10.508	43	46890	553.77	ug/L		94
49) carbon tetrachloride	10.581	117	246733	55.42	ug/L		99
50) tert amyl alcohol	10.660	55	25233	286.26	ug/L		97
53) n-butyl alcohol	11.305	56	160722	2694.10	ug/L		100
54) 2,2,4-trimethylpentane	10.906	57	517635	52.30	ug/L		99
55) benzene	10.801	78	582738	55.73	ug/L		99
56) tert-amyl methyl ether	10.896	87	114725	50.78	ug/L		94
57) heptane	11.090	71	125549	56.27	ug/L		99
58) isopropyl acetate	10.759	87	32016	57.40	ug/L		93
59) 1,2-dichloroethane	10.770	62	214314	53.62	ug/L		99
60) trichloroethene	11.567	130	194862	57.23	ug/L		99
61) ethyl acrylate	11.582	55	169554	57.17	ug/L		96
62) 2-nitropropane	12.301	41	41388	56.04	ug/L		99
63) 2-chloroethyl vinyl ether	12.385	63	491378	296.04	ug/L		99
64) methyl methacrylate	11.860	100	38098	58.56	ug/L	#	84
65) 1,2-dichloropropane	11.808	63	153920	54.41	ug/L		98
66) dibromomethane	11.949	93	97899	51.83	ug/L		97
67) methylcyclohexane	11.845	83	287316	54.28	ug/L		100
68) bromodichloromethane	12.096	83	224436	54.42	ug/L		97
69) epichlorohydrin	12.469	57	72659	288.87	ug/L		100
70) cis-1,3-dichloropropene	12.605	75	268032	56.24	ug/L		99
71) 4-methyl-2-pentanone	12.725	58	226929	234.54	ug/L		99
72) 3-methyl-1-butanol	12.736	70	67496	1174.42	ug/L		95
75) toluene	13.024	92	395875	55.41	ug/L		98
76) trans-1,3-dichloropropene	13.192	75	248593	59.56	ug/L		99
77) ethyl methacrylate	13.250	69	197249	58.35	ug/L		100
78) 1,1,2-trichloroethane	13.412	83	120348	55.68	ug/L		98
80) 1,3-dichloropropane	13.611	76	243911	55.62	ug/L		98
81) 2-hexanone	13.632	58	200621	237.78	ug/L		96
82) butyl acetate	13.748	56	94681	58.62	ug/L		99
83) dibromochloromethane	13.889	129	205978	56.66	ug/L		100
84) 1,2-dibromoethane	14.052	107	163806	57.30	ug/L		98
85) n-butyl ether	14.576	57	623154	57.71	ug/L		100
86) chlorobenzene	14.587	112	457860	53.93	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.644	131	191470	55.33	ug/L		98
88) ethylbenzene	14.671	91	722054	53.92	ug/L		99
89) m,p-xylene	14.786	106	601894	111.27	ug/L		97
90) o-xylene	15.226	106	326230	56.61	ug/L		99
91) styrene	15.232	104	522930	55.41	ug/L		99
92) n-amyl acetate	15.284	70	107625	56.70	ug/L		97
93) bromoform	15.462	173	159598	57.39	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183596.D
Acq On : 16 Jun 2021 11:44 pm
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 17 19:01:36 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

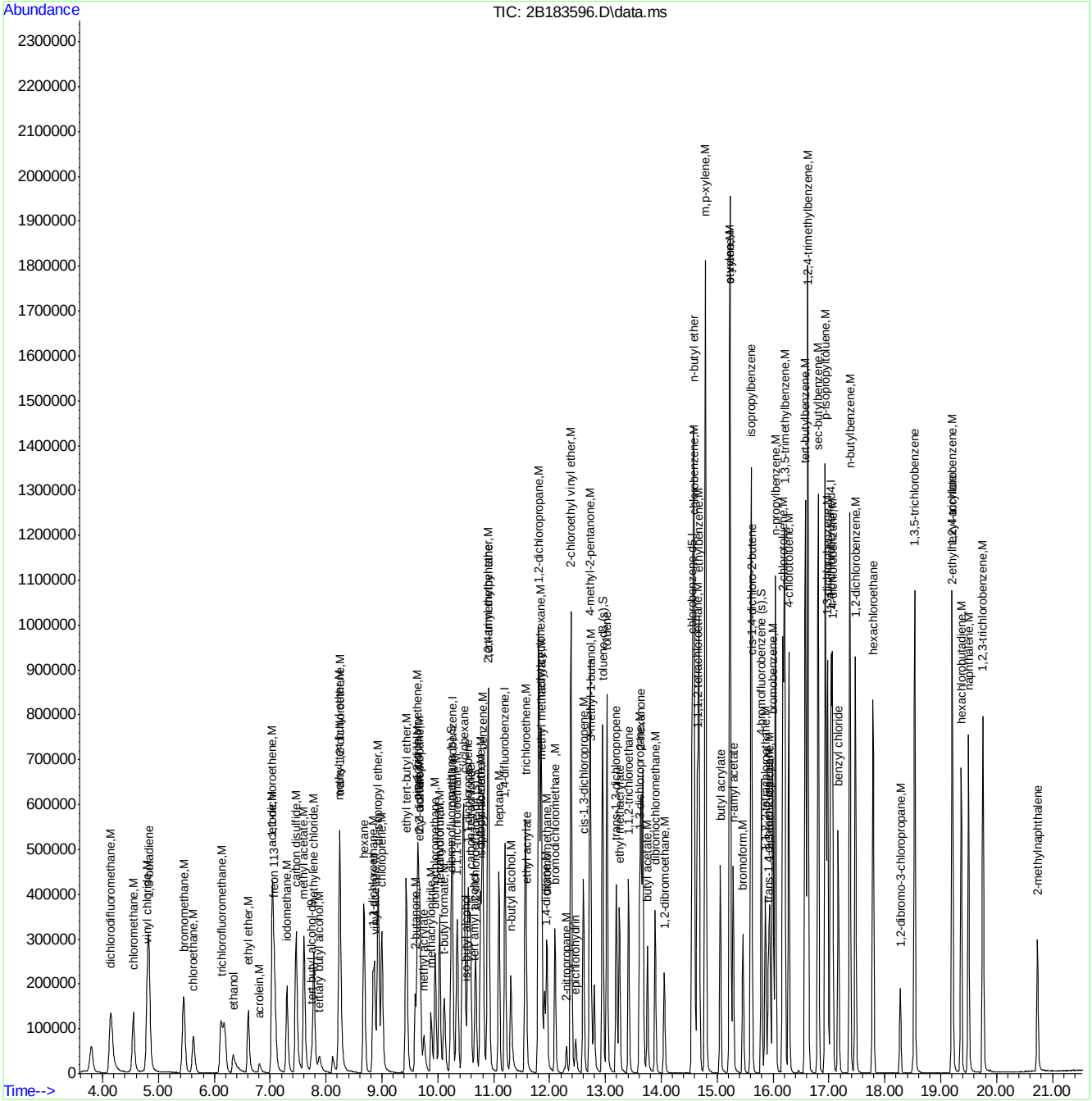
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94)	butyl acrylate	15.053	55	313025	58.91	ug/L	99
95)	isopropylbenzene	15.604	105	881127	56.06	ug/L	99
96)	cis-1,4-dichloro-2-butene	15.620	88	72556	54.74	ug/L	97
99)	bromobenzene	15.992	156	237868	56.24	ug/L	98
100)	1,1,2,2-tetrachloroethane	15.861	83	201292	57.82	ug/L	100
101)	trans-1,4-dichloro-2-b...	15.913	53	53871	59.61	ug/L	99
102)	1,2,3-trichloropropane	15.939	110	56840	56.29	ug/L	94
103)	n-propylbenzene	16.044	91	921694	56.92	ug/L	100
104)	2-chlorotoluene	16.175	126	217714	57.05	ug/L	100
105)	4-chlorotoluene	16.280	91	558934	54.73	ug/L	99
106)	1,3,5-trimethylbenzene	16.207	105	698945	57.08	ug/L	99
107)	tert-butylbenzene	16.579	134	173545	59.63	ug/L	98
108)	1,2,4-trimethylbenzene	16.616	105	713207	55.97	ug/L	98
109)	sec-butylbenzene	16.810	105	970148	57.26	ug/L	99
110)	1,3-dichlorobenzene	16.972	146	430339	54.05	ug/L	99
111)	p-isopropyltoluene	16.936	119	849349	57.18	ug/L	99
112)	1,4-dichlorobenzene	17.061	146	431132	55.19	ug/L	100
113)	benzyl chloride	17.166	91	423401	59.31	ug/L	99
115)	1,2-dichlorobenzene	17.476	146	461607	58.06	ug/L	99
116)	n-butylbenzene	17.376	92	411121	58.90	ug/L	99
117)	hexachloroethane	17.790	201	183126	59.43	ug/L	98
118)	1,2-dibromo-3-chloropr...	18.278	157	65755	61.11	ug/L	97
119)	1,3,5-trichlorobenzene	18.535	180	427645	60.97	ug/L	100
120)	2-ethylhexyl acrylate	19.211	70	30222	11.27	ug/L	93
121)	1,2,4-trichlorobenzene	19.206	180	377828	59.51	ug/L	99
122)	hexachlorobutadiene	19.368	225	179707	55.15	ug/L	99
123)	naphthalene	19.499	128	718162	59.16	ug/L	99
124)	1,2,3-trichlorobenzene	19.756	180	320260	59.71	ug/L	98
125)	2-methylnaphthalene	20.732	142	178939	27.22	ug/L	97

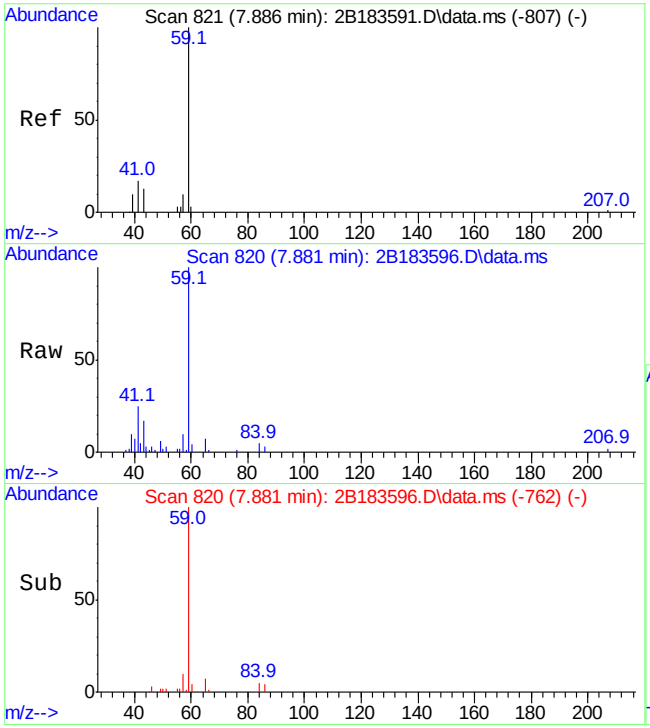
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183596.D
Acq On : 16 Jun 2021 11:44 pm
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 17 19:01:36 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

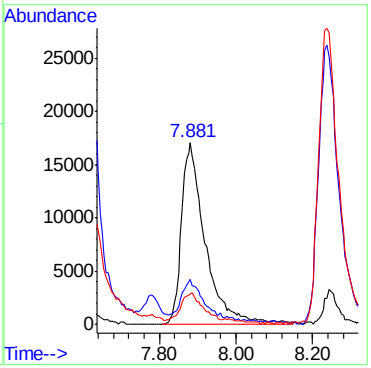


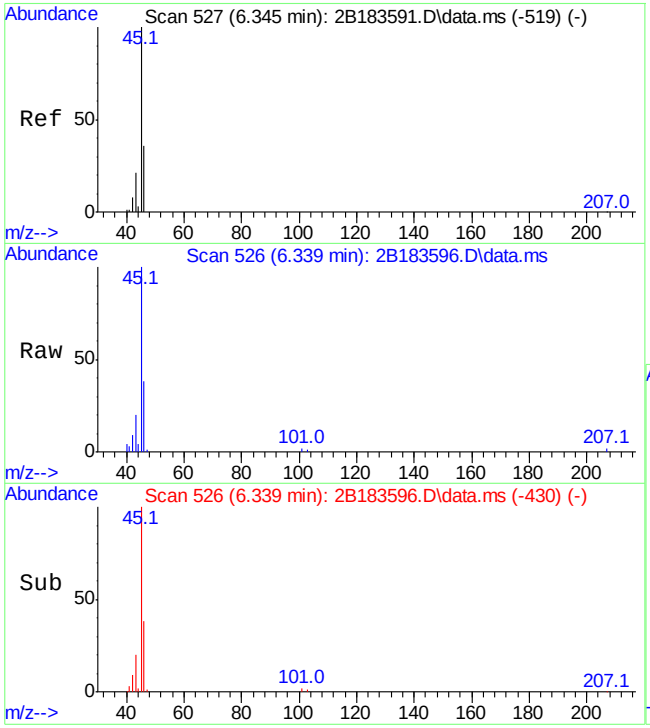


#2
tertiary butyl alcohol
Concen: 279.82 ug/L
RT: 7.881 min Scan# 820
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 59 Resp: 73142

Ion	Ratio	Lower	Upper
59	100		
41	23.8	0.0	52.7
43	15.9	0.0	46.6

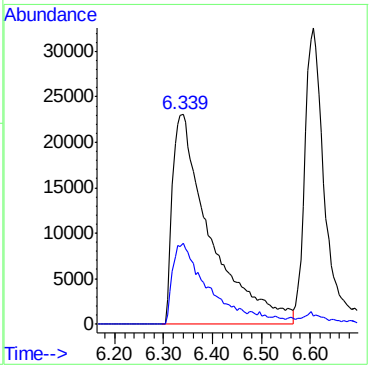


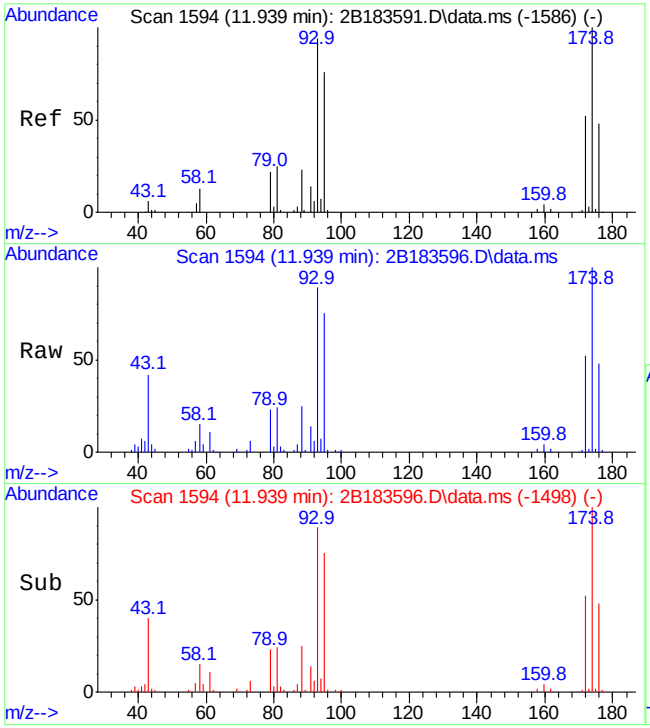


#3
ethanol
Concen: 5575.51 ug/L
RT: 6.339 min Scan# 526
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 45 Resp: 124579

Ion	Ratio	Lower	Upper
45	100		
46	38.3	6.1	66.1

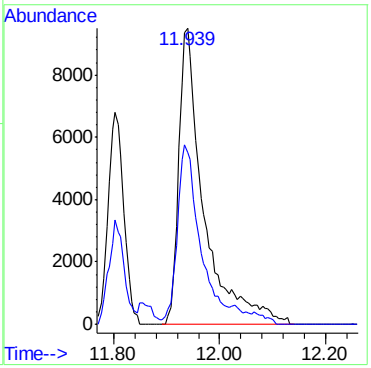


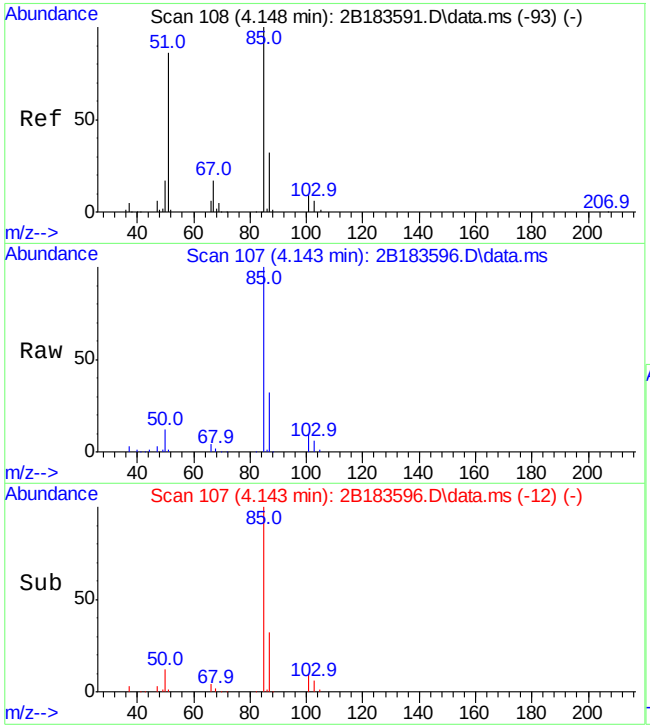


#4
1,4-dioxane
Concen: 1434.94 ug/L
RT: 11.939 min Scan# 1594
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 88 Resp: 31006

Ion	Ratio	Lower	Upper
88	100		
58	57.9	25.6	85.6

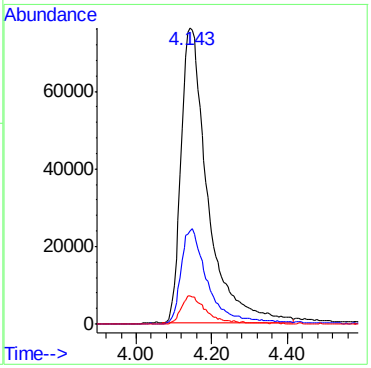


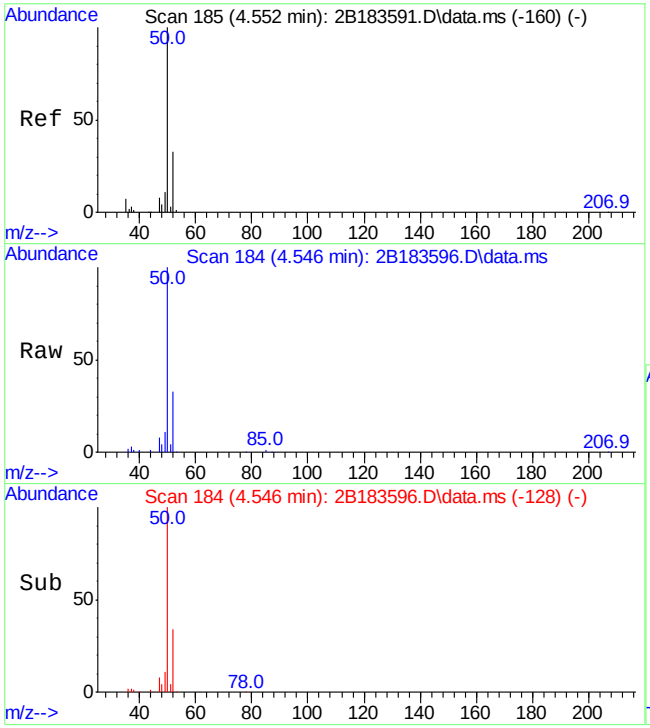


#7
dichlorodifluoromethane
Concen: 63.57 ug/L
RT: 4.143 min Scan# 107
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 85 Resp: 374587

Ion	Ratio	Lower	Upper
85	100		
87	31.8	1.9	61.9
101	9.6	0.0	39.2

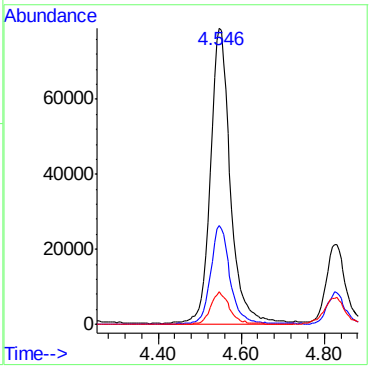


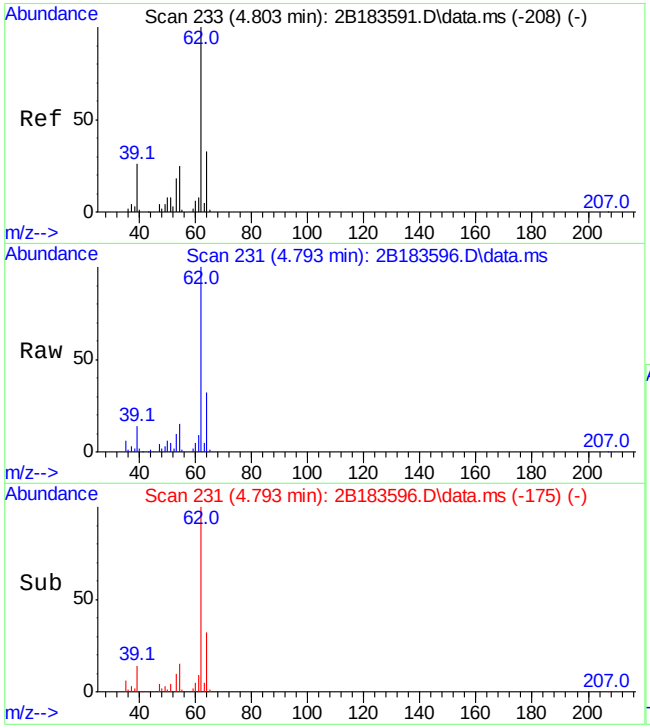


#8
chloromethane
Concen: 47.70 ug/L
RT: 4.546 min Scan# 184
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 50 Resp: 262230

Ion	Ratio	Lower	Upper
50	100		
52	33.2	2.9	62.9
49	11.0	0.0	41.3

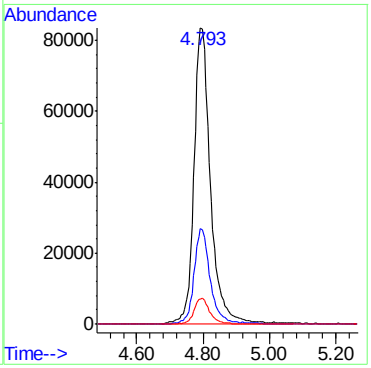


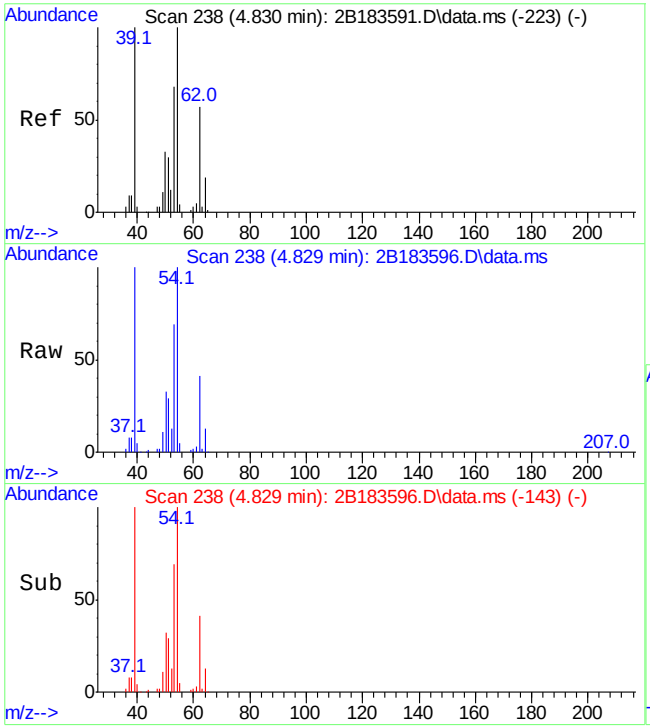


#9
vinyl chloride
Concen: 56.33 ug/L
RT: 4.793 min Scan# 231
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 62 Resp: 288982

Ion	Ratio	Lower	Upper
62	100		
64	32.2	3.0	63.0
61	8.5	0.0	38.4

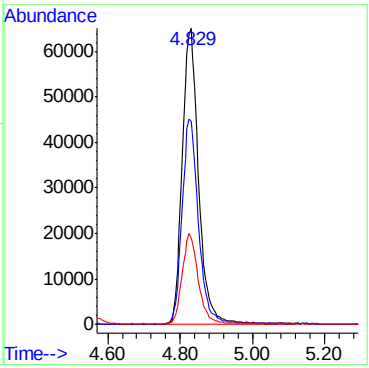


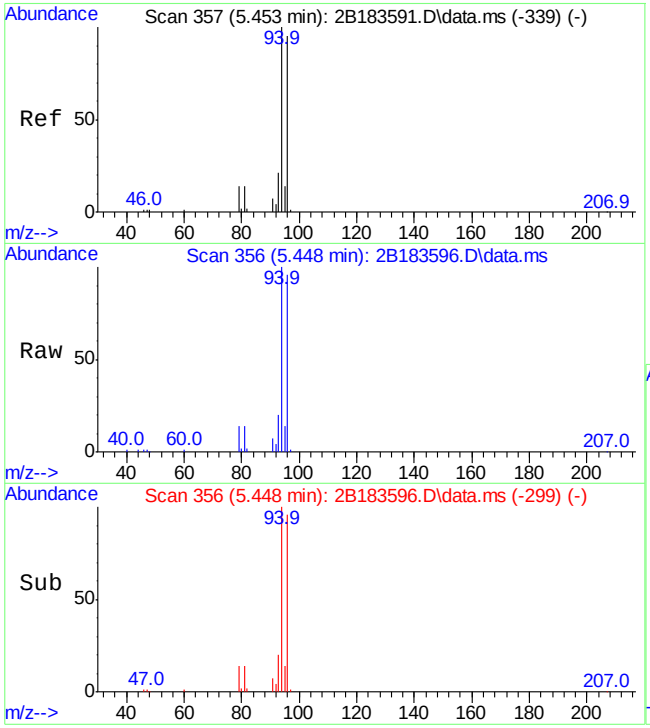


#10
1,3-butadiene
Concen: 58.15 ug/L
RT: 4.829 min Scan# 238
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 54 Resp: 206103

Ion	Ratio	Lower	Upper
54	100		
53	68.6	38.4	98.4
51	29.2	0.0	60.0

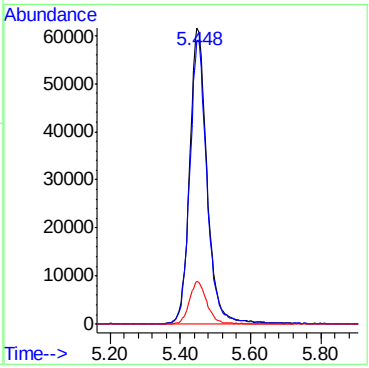


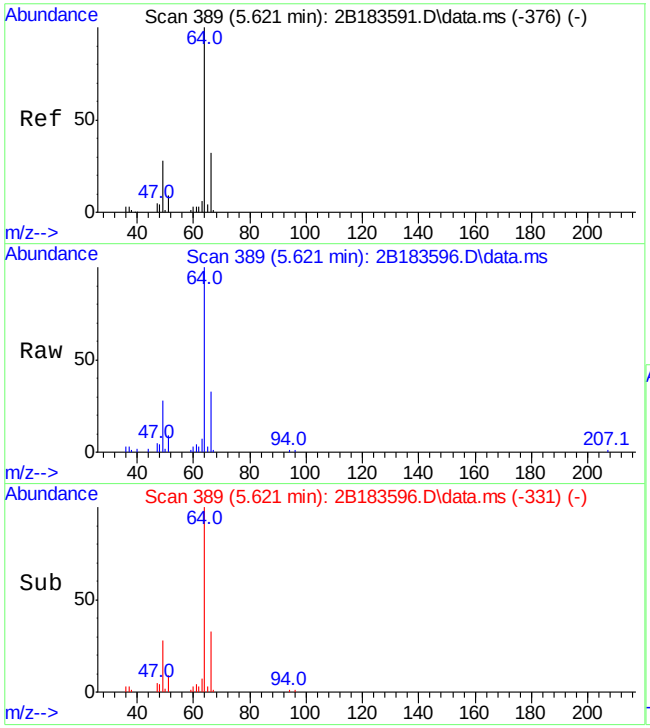


#11
bromomethane
Concen: 57.75 ug/L
RT: 5.448 min Scan# 356
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 94 Resp: 213446

Ion	Ratio	Lower	Upper
94	100		
96	95.7	65.2	125.2
79	14.3	0.0	44.4

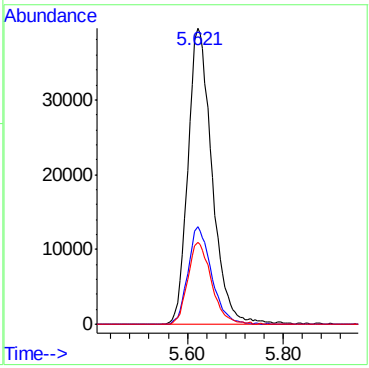


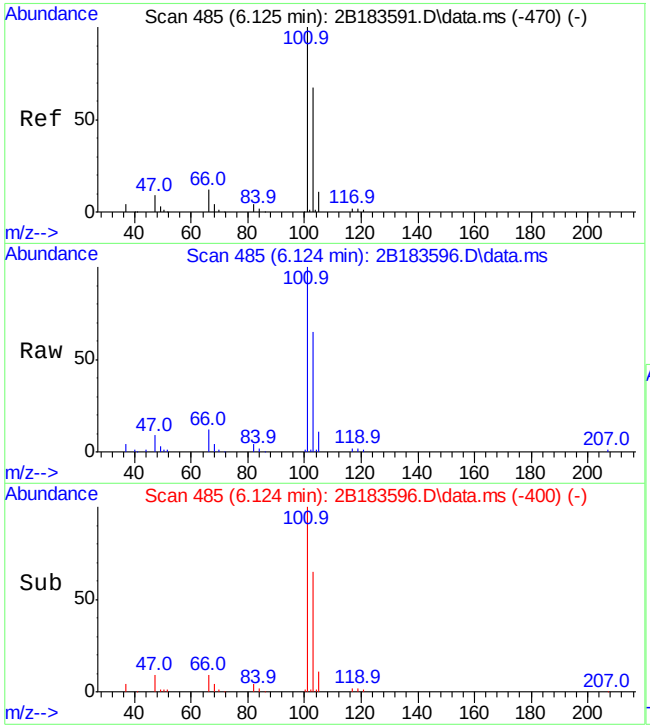


#12
chloroethane
Concen: 54.37 ug/L
RT: 5.621 min Scan# 389
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 64 Resp: 138072

Ion	Ratio	Lower	Upper
64	100		
66	33.0	1.7	61.7
49	27.9	0.0	57.6

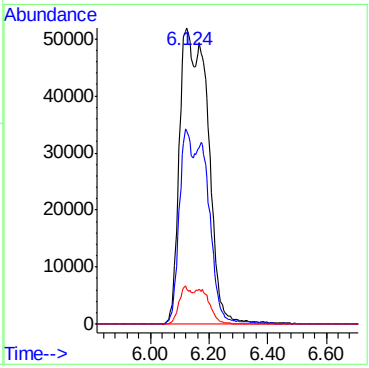


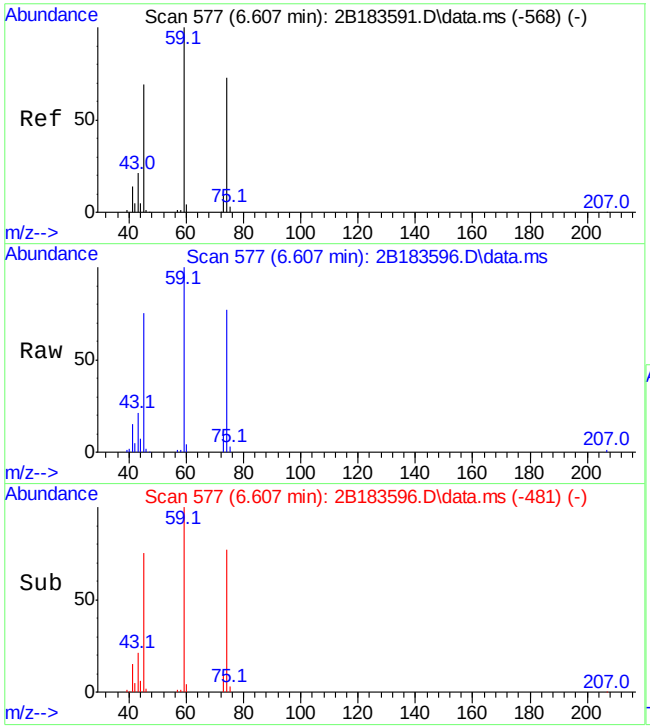


#13
trichlorofluoromethane
Concen: 56.70 ug/L
RT: 6.124 min Scan# 485
Delta R.T. -0.052 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:101 Resp: 347981

Ion	Ratio	Lower	Upper
101	100		
103	65.0	37.3	97.3
66	11.7	0.0	42.3

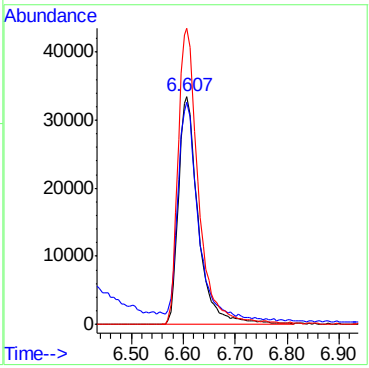


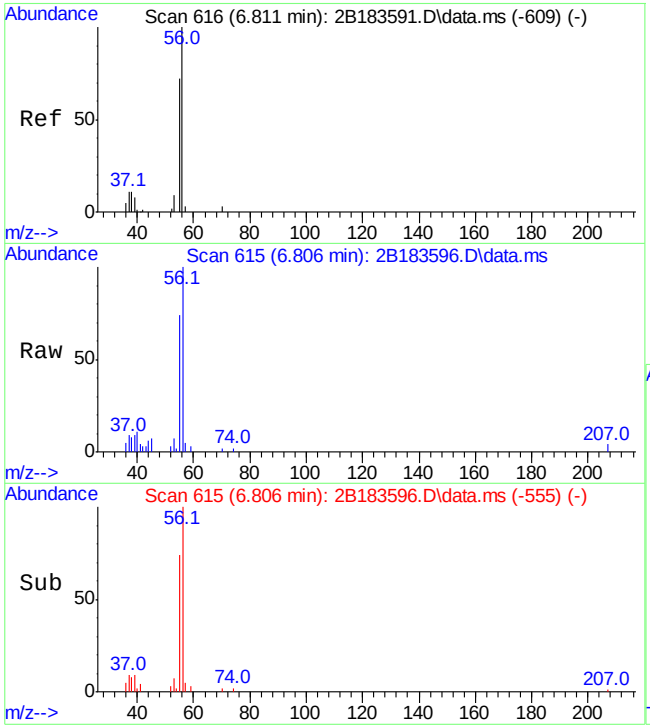


#14
ethyl ether
Concen: 58.12 ug/L
RT: 6.607 min Scan# 577
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 74 Resp: 88524

Ion	Ratio	Lower	Upper
74	100		
45	95.5	69.2	129.2
59	129.9	107.5	167.5

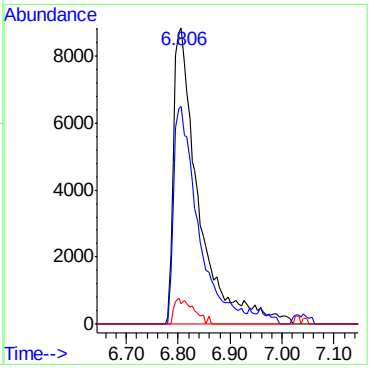


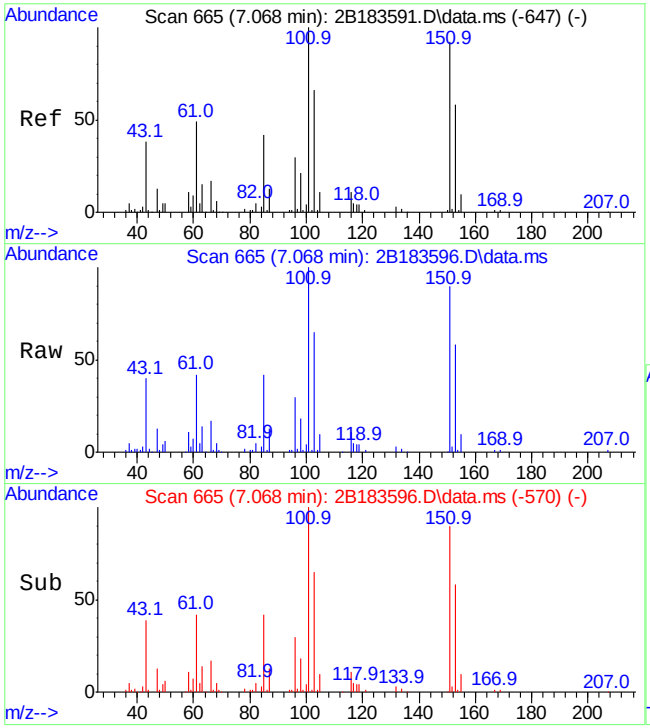


#15
acrolein
Concen: 58.97 ug/L
RT: 6.806 min Scan# 615
Delta R.T. 0.016 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 56 Resp: 29557

Ion	Ratio	Lower	Upper
56	100		
55	73.6	41.6	101.6
53	7.0	0.0	38.7

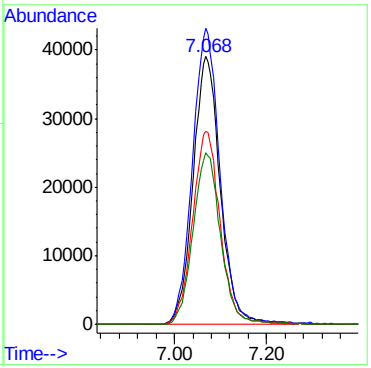


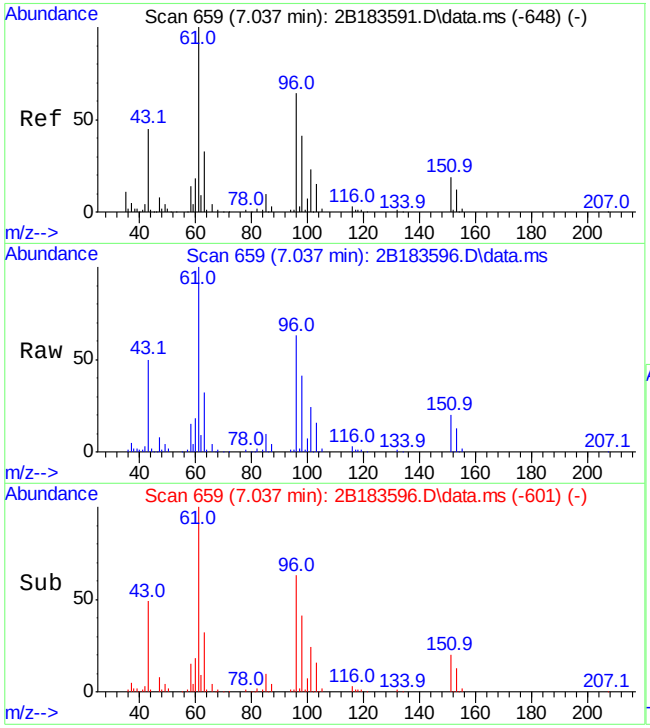


#16
freon 113
Concen: 51.32 ug/L
RT: 7.068 min Scan# 665
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:151 Resp: 159251

Ion	Ratio	Lower	Upper
151	100		
101	110.6	88.6	128.6
103	72.2	52.2	92.2
153	64.1	42.8	82.8

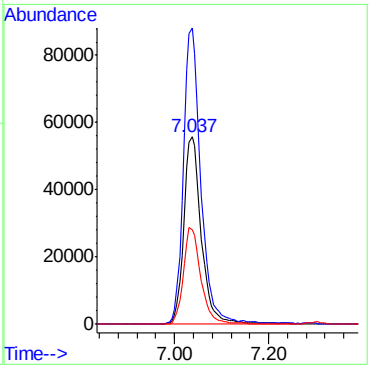


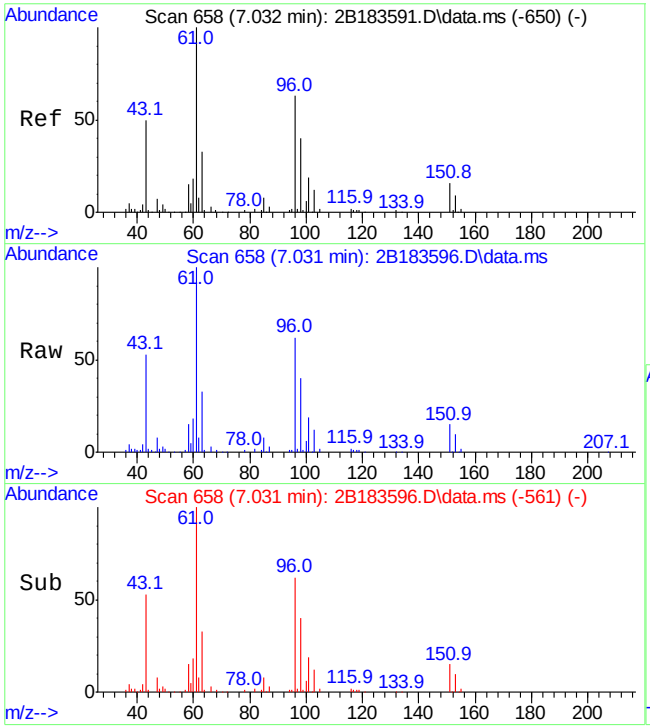


#17
1,1-dichloroethene
Concen: 54.06 ug/L
RT: 7.037 min Scan# 659
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 96 Resp: 144139

Ion	Ratio	Lower	Upper
96	100		
61	158.1	127.2	187.2
63	50.7	21.7	81.7

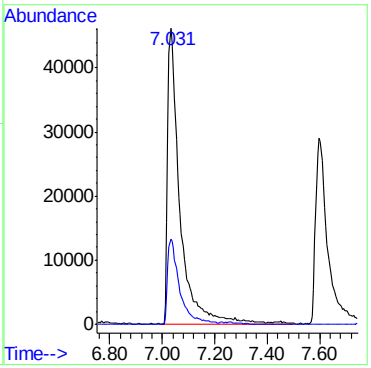


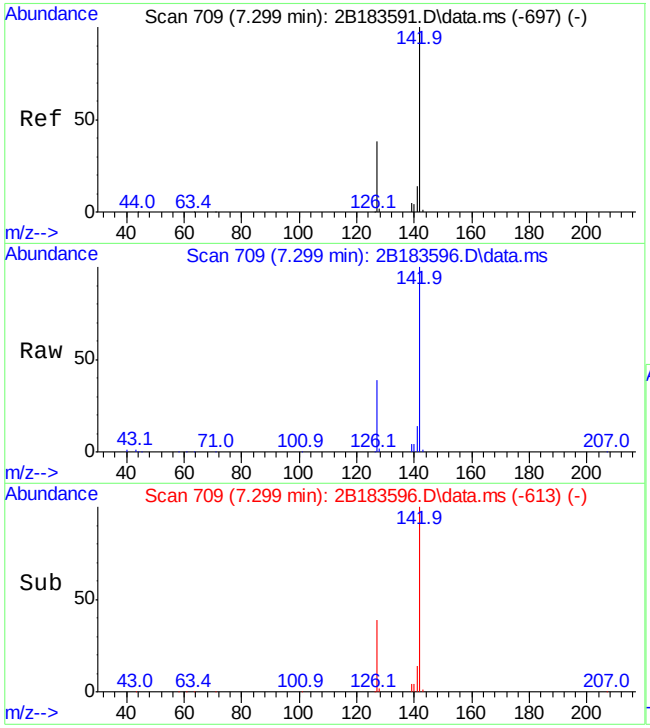


#18
acetone
Concen: 221.11 ug/L
RT: 7.031 min Scan# 658
Delta R.T. 0.010 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 43 Resp: 153505

Ion	Ratio	Lower	Upper
43	100		
58	29.0	0.0	59.5

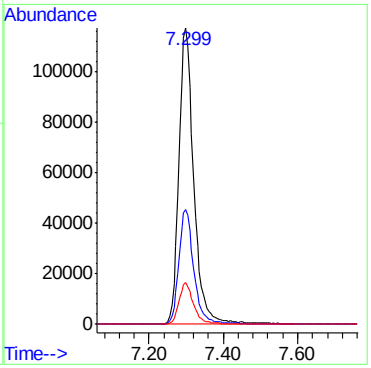


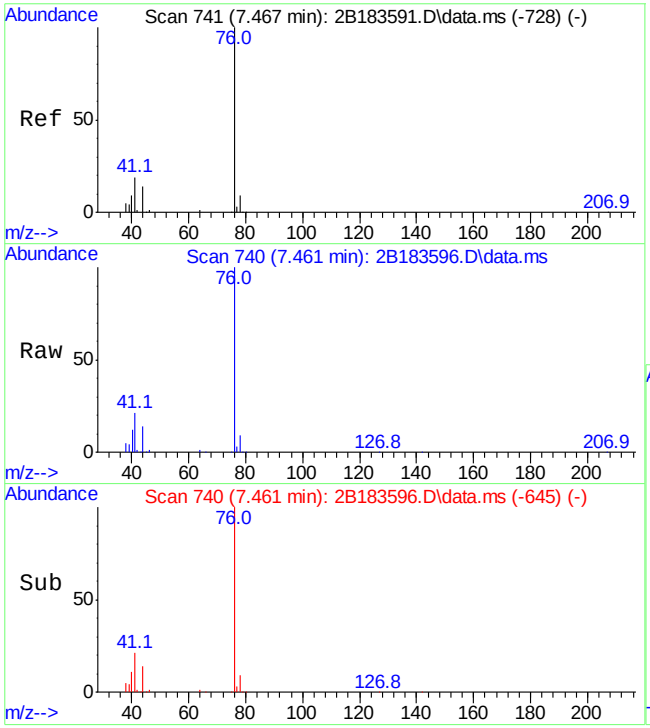


#20
iodomethane
Concen: 54.47 ug/L
RT: 7.299 min Scan# 709
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:142 Resp: 323372

Ion	Ratio	Lower	Upper
142	100		
127	38.7	8.2	68.2
141	13.9	0.0	43.6

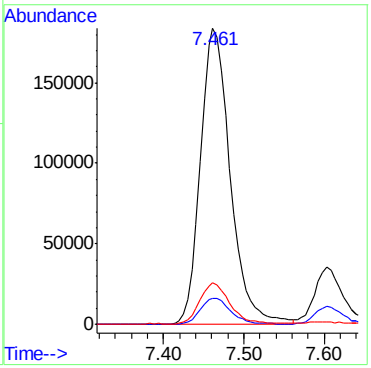


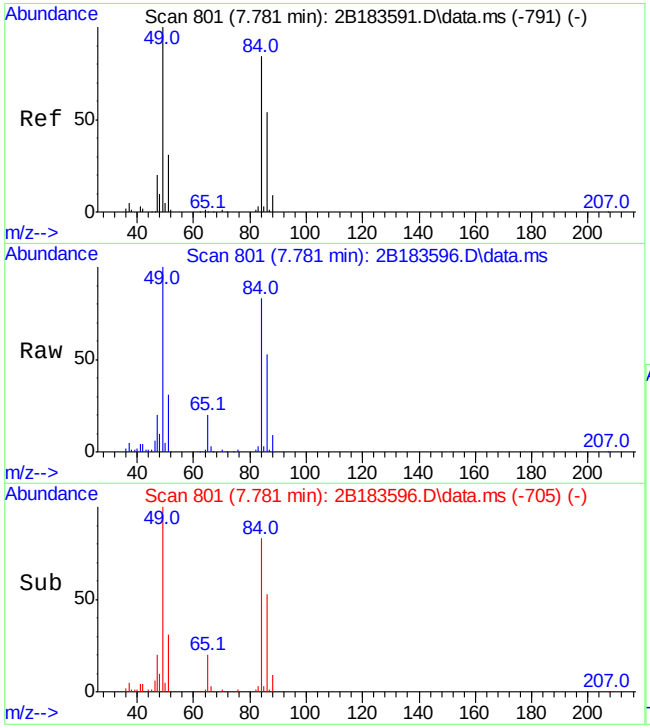


#21
carbon disulfide
Concen: 52.32 ug/L
RT: 7.461 min Scan# 740
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 76 Resp: 476482

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	39.2
44	13.9	0.0	44.1

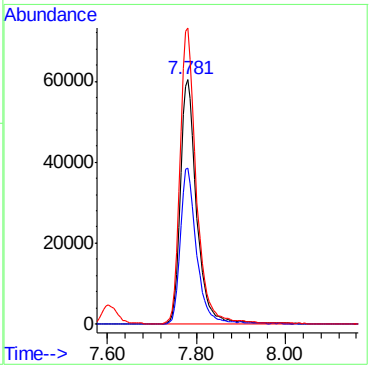


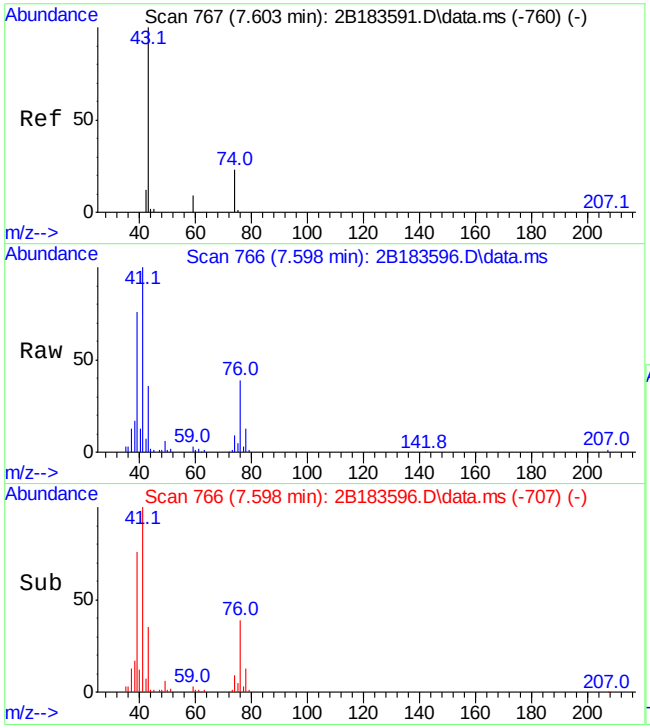


#22
methylene chloride
Concen: 54.59 ug/L
RT: 7.781 min Scan# 801
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 84 Resp: 156094

Ion	Ratio	Lower	Upper
84	100		
86	63.6	34.1	94.1
49	120.6	88.6	148.6

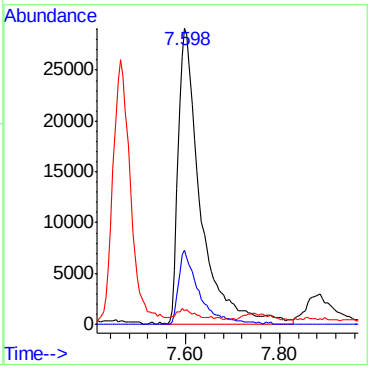


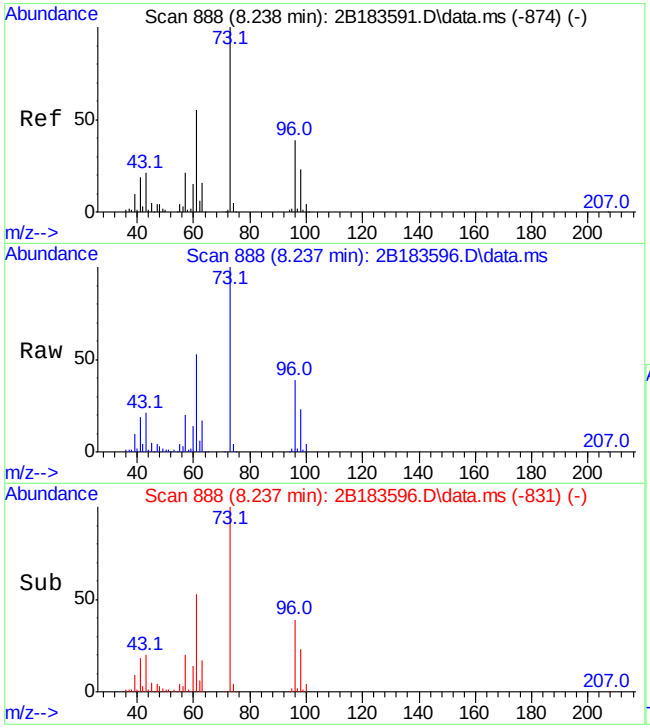


#23
methyl acetate
Concen: 50.61 ug/L
RT: 7.598 min Scan# 766
Delta R.T. 0.010 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 43 Resp: 95825

Ion	Ratio	Lower	Upper
43	100		
74	25.2	0.0	53.3
44	3.2	0.0	33.3

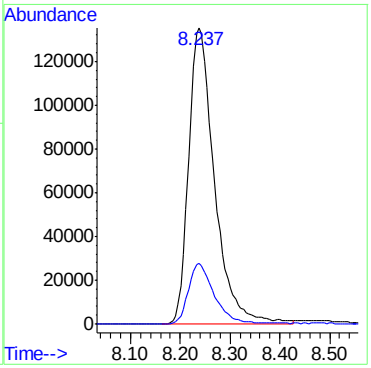


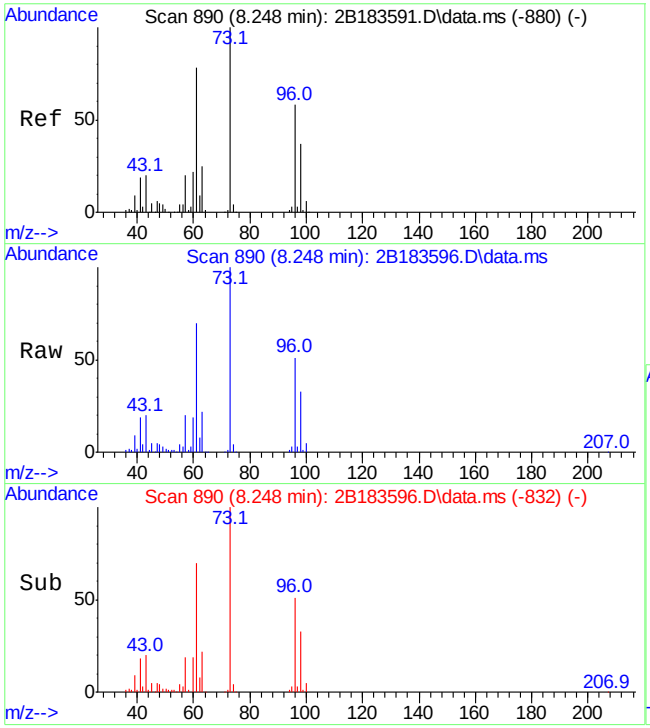


#24
methyl tert butyl ether
Concen: 57.04 ug/L
RT: 8.237 min Scan# 888
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 73 Resp: 489109

Ion	Ratio	Lower	Upper
73	100		
57	20.3	0.0	220.5

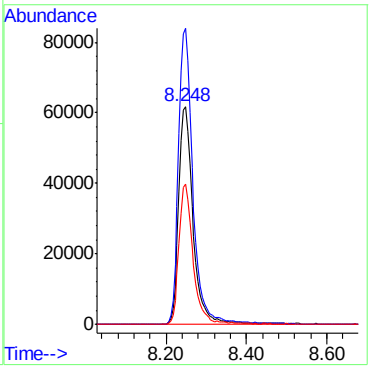


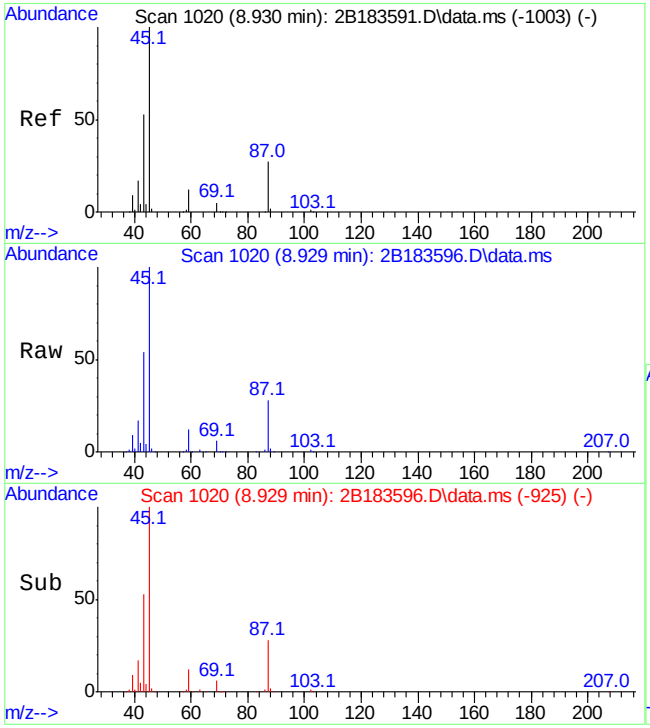


#25
trans-1,2-dichloroethene
Concen: 53.27 ug/L
RT: 8.248 min Scan# 890
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 96 Resp: 154085

Ion	Ratio	Lower	Upper
96	100		
61	135.9	103.8	163.8
98	64.4	34.0	94.0

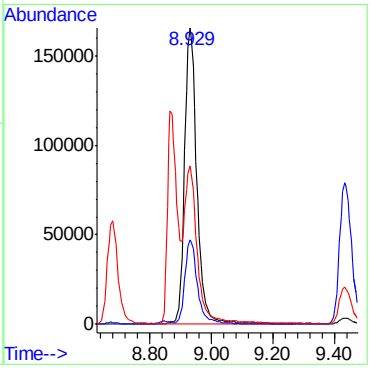


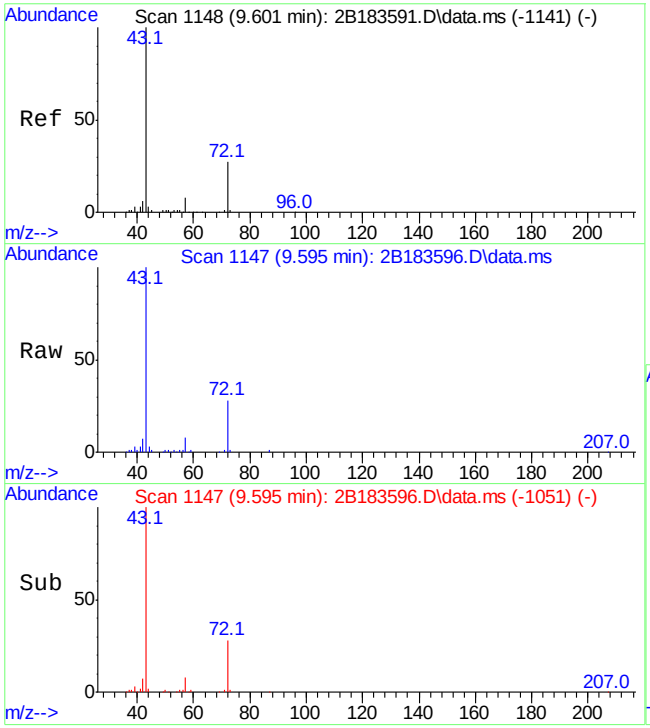


#26
di-isopropyl ether
Concen: 52.89 ug/L
RT: 8.929 min Scan# 1020
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 45 Resp: 461949

Ion	Ratio	Lower	Upper
45	100		
87	28.3	0.0	58.2
43	53.2	23.5	83.5

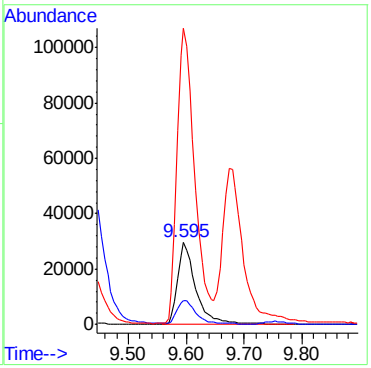


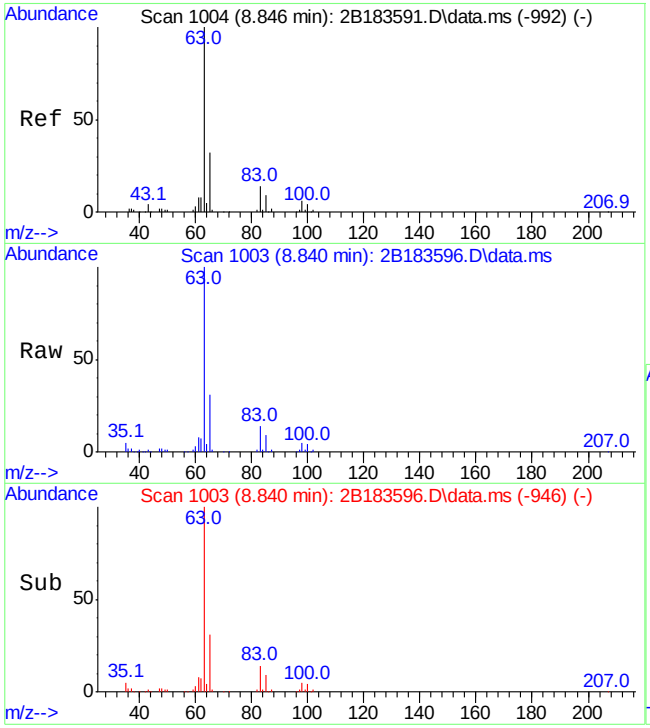


#27
2-butanone
Concen: 249.87 ug/L
RT: 9.595 min Scan# 1147
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 72 Resp: 64636

Ion	Ratio	Lower	Upper
72	100		
57	27.8	0.0	59.8
43	357.7	334.2	394.2

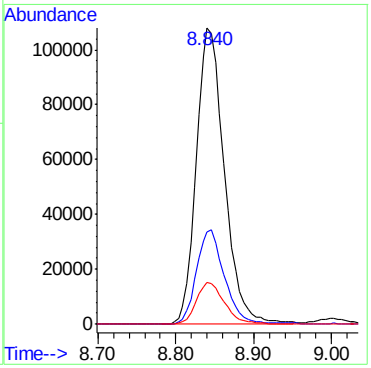


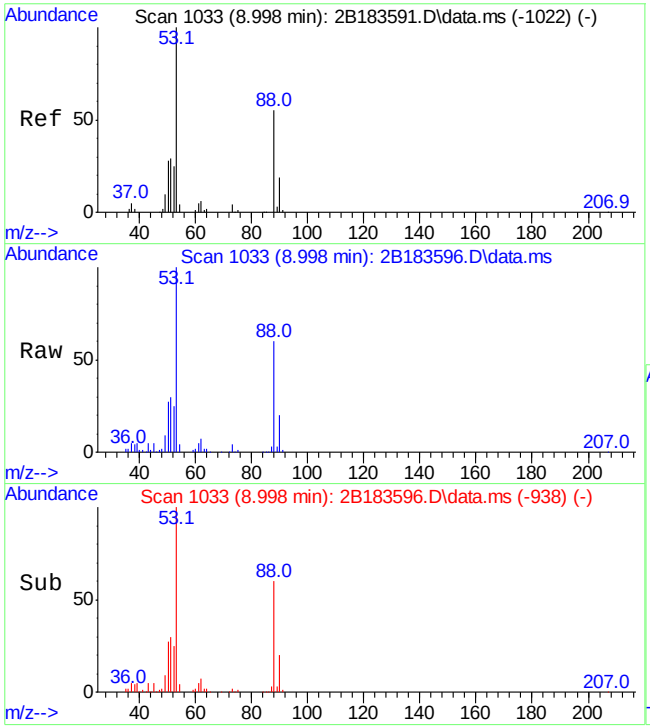


#28
1,1-dichloroethane
Concen: 55.35 ug/L
RT: 8.840 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 63 Resp: 268687

Ion	Ratio	Lower	Upper
63	100		
65	31.0	2.1	62.1
83	14.0	0.0	44.4

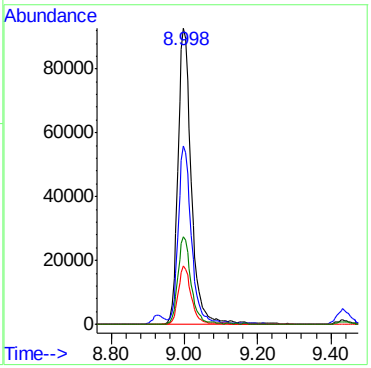


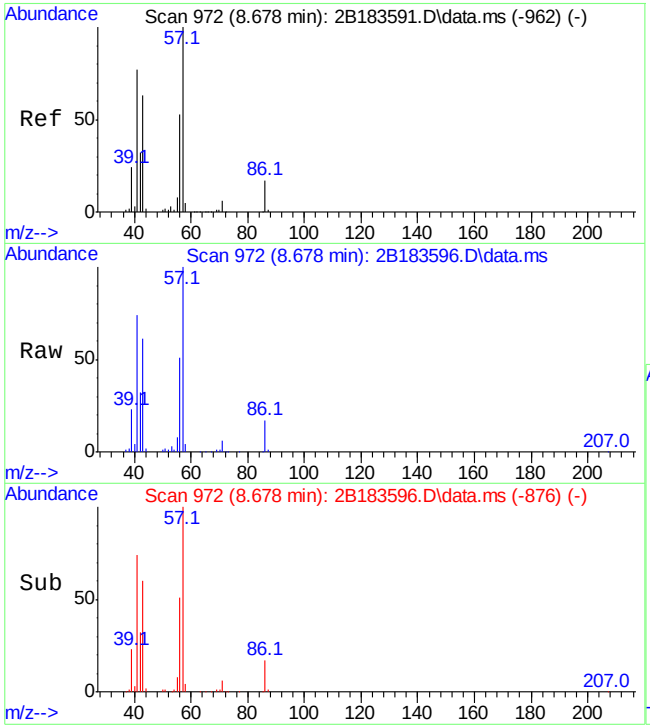


#29
chloroprene
Concen: 62.72 ug/L
RT: 8.998 min Scan# 1033
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 53 Resp: 234857

Ion	Ratio	Lower	Upper
53	100		
88	60.3	27.6	87.6
90	19.7	0.0	48.9
51	29.7	0.0	59.1

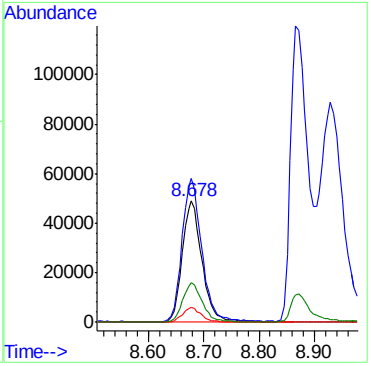


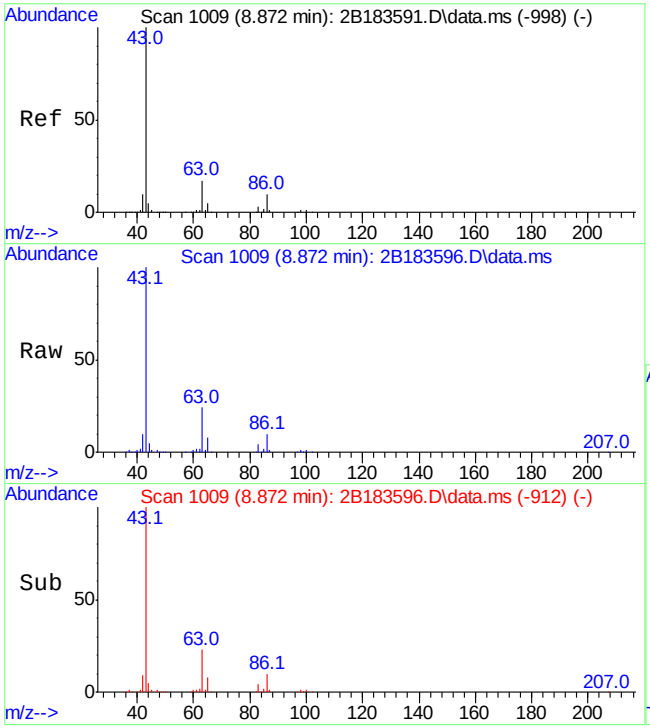


#31
hexane
Concen: 56.58 ug/L
RT: 8.678 min Scan# 972
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 56 Resp: 120929

Ion	Ratio	Lower	Upper
56	100		
43	118.3	99.4	139.4
71	12.0	0.0	31.0
86	32.2	12.3	52.3

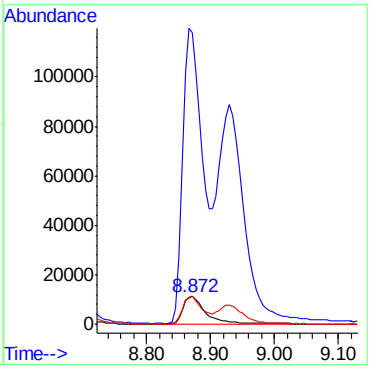


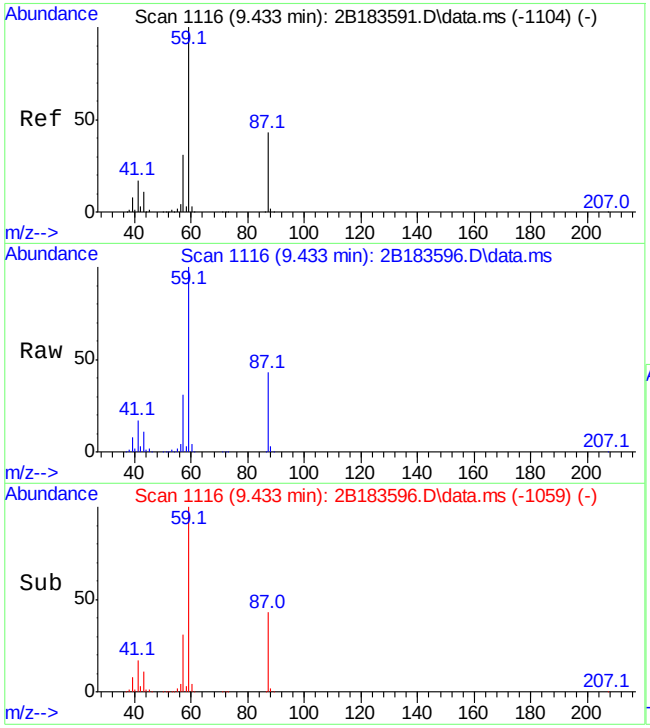


#32
vinyl acetate
Concen: 55.24 ug/L
RT: 8.872 min Scan# 1009
Delta R.T. 0.010 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 86 Resp: 29077

Ion	Ratio	Lower	Upper
86	100		
43	1035.1	981.3	1041.3
42	97.2	66.4	126.4

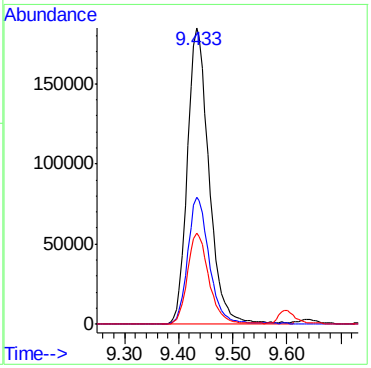


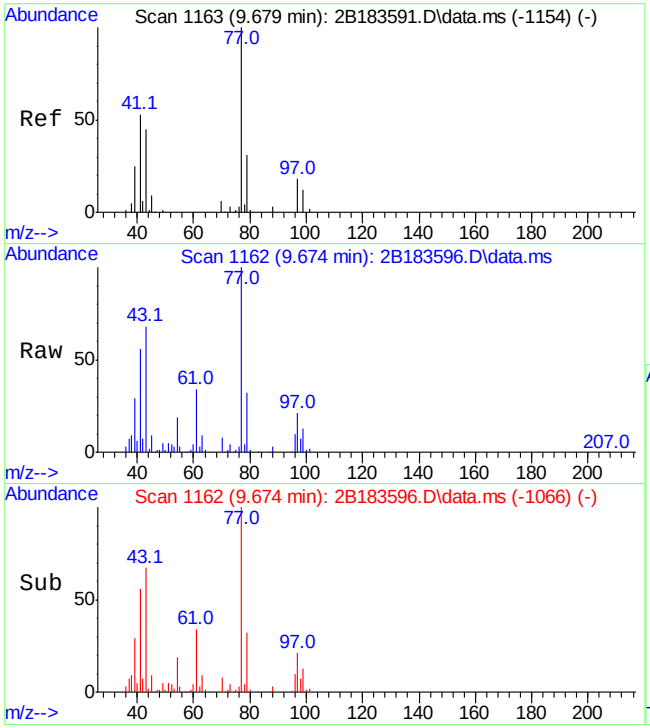


#33
ethyl tert-butyl ether
Concen: 54.19 ug/L
RT: 9.433 min Scan# 1116
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 59 Resp: 516694

Ion	Ratio	Lower	Upper
59	100		
87	43.0	12.7	72.7
57	30.6	0.9	60.9

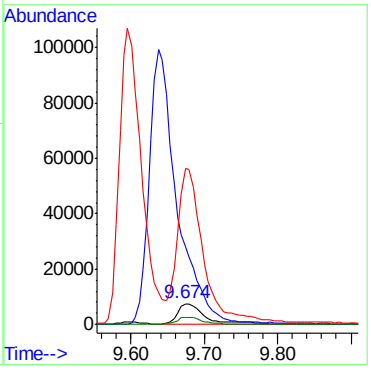


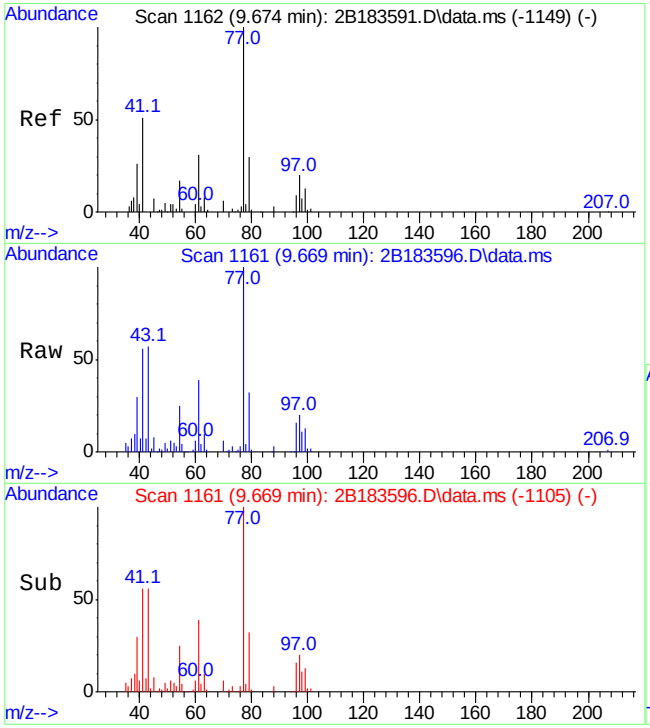


#34
ethyl acetate
Concen: 60.41 ug/L
RT: 9.674 min Scan# 1162
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 45 Resp: 19657

Ion	Ratio	Lower	Upper
45	100		
61	367.4	302.1	362.1#
43	741.1	653.2	713.2#
88	33.3	1.5	61.5

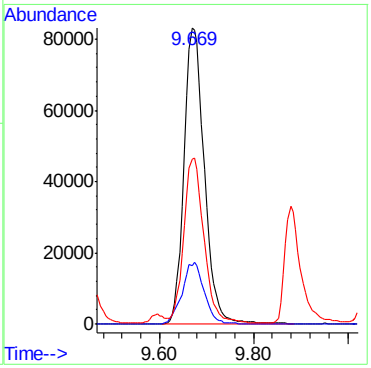


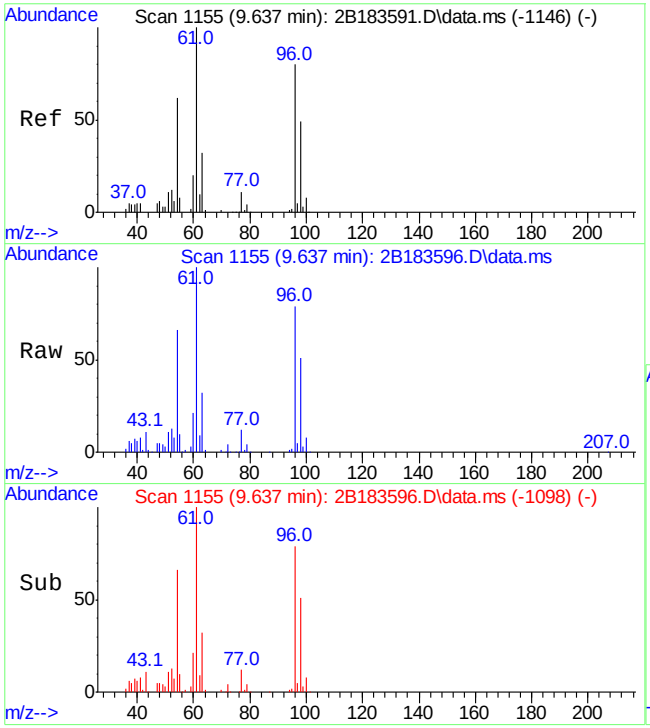


#35
2,2-dichloropropane
Concen: 54.59 ug/L
RT: 9.669 min Scan# 1161
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 77 Resp: 250074

Ion	Ratio	Lower	Upper
77	100		
97	19.7	0.0	50.3
41	52.8	20.8	80.8

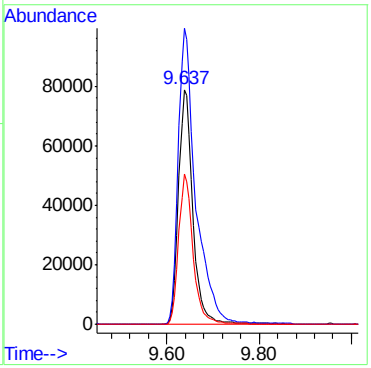


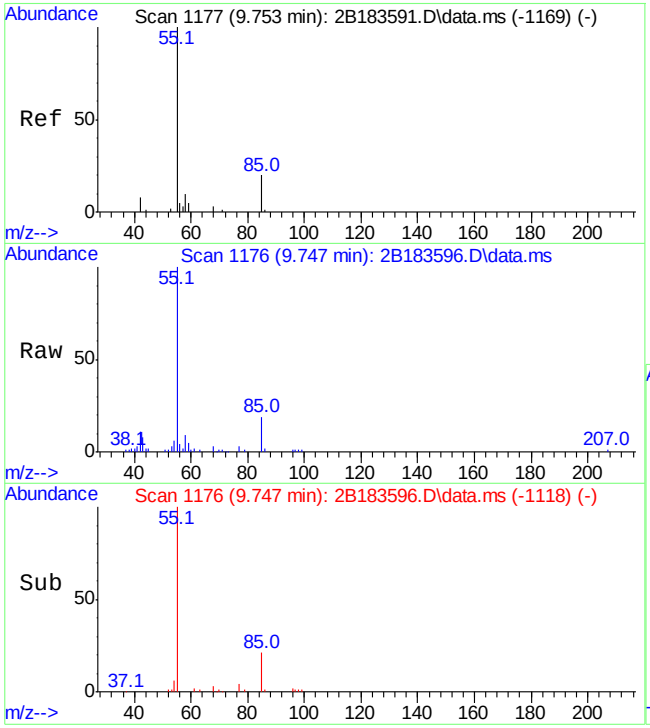


#36
cis-1,2-dichloroethene
Concen: 56.06 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 96 Resp: 171767

Ion	Ratio	Lower	Upper
96	100		
61	126.0	95.1	155.1
98	64.1	31.7	91.7

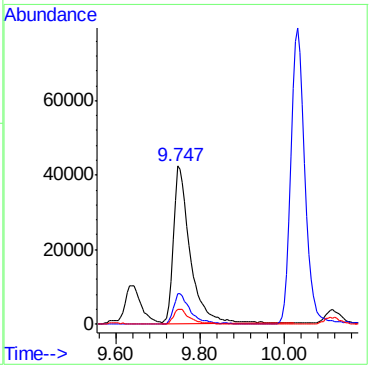


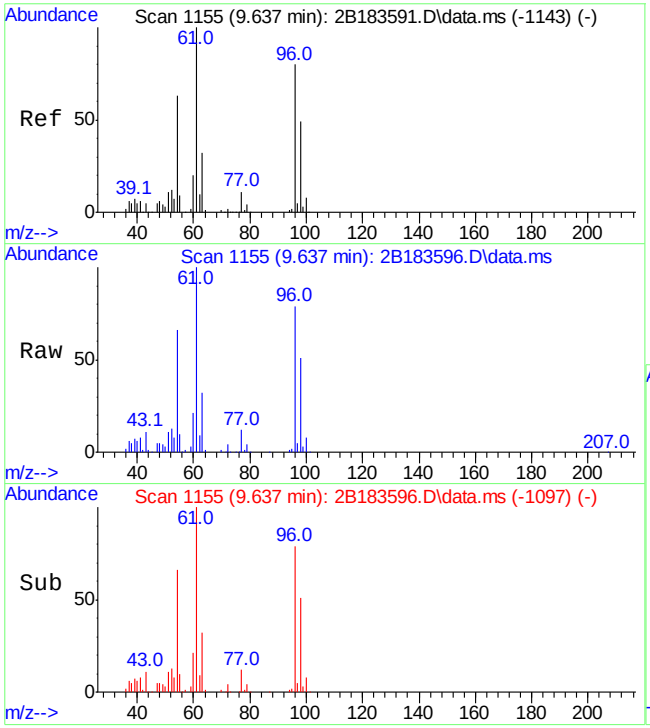


#37
methyl acrylate
Concen: 56.14 ug/L
RT: 9.747 min Scan# 1176
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 55 Resp: 114657

Ion	Ratio	Lower	Upper
55	100		
85	19.2	0.0	50.1
58	9.0	0.0	39.8

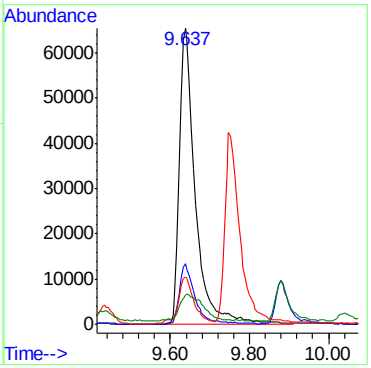


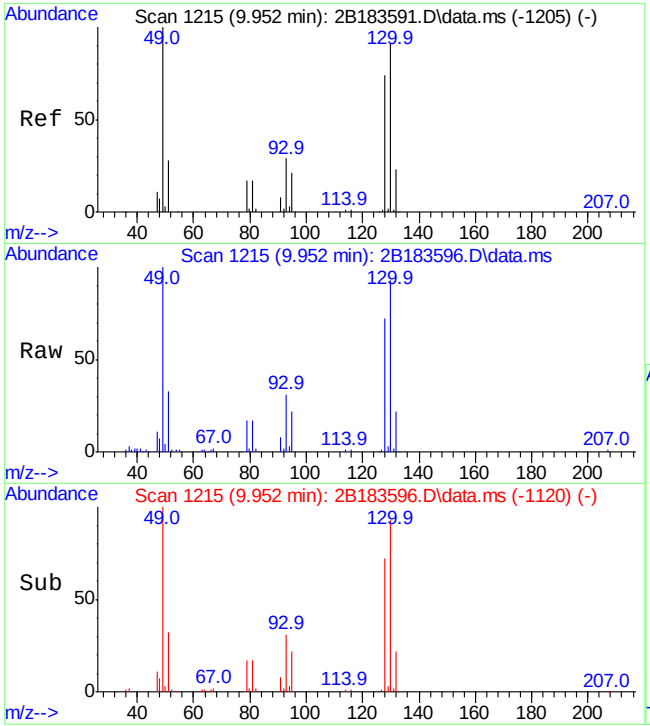


#38
propionitrile
Concen: 575.87 ug/L
RT: 9.637 min Scan# 1155
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 54 Resp: 184197

Ion	Ratio	Lower	Upper
54	100		
52	20.3	0.0	49.6
55	15.3	0.0	44.7
40	8.3	0.0	37.8

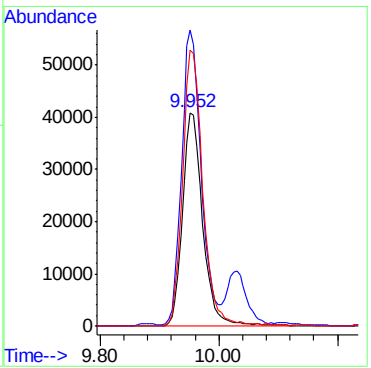


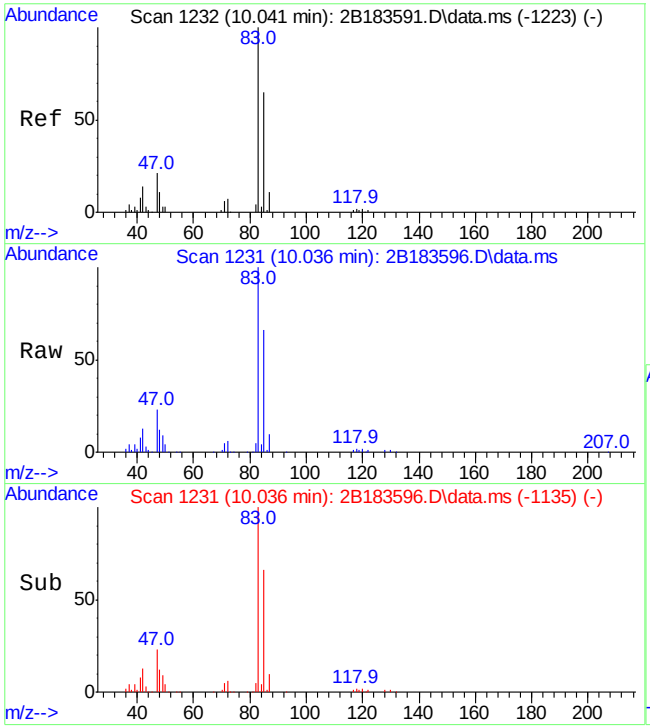


#39
bromochloromethane
Concen: 54.97 ug/L
RT: 9.952 min Scan# 1215
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:128 Resp: 95822

Ion	Ratio	Lower	Upper
128	100		
49	138.2	105.9	165.9
130	129.6	93.4	153.4

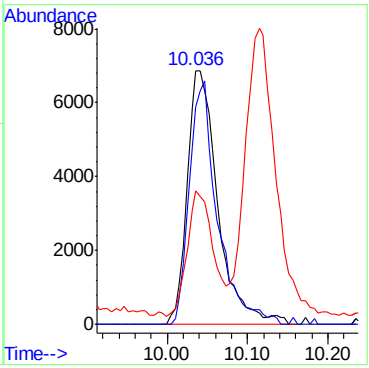


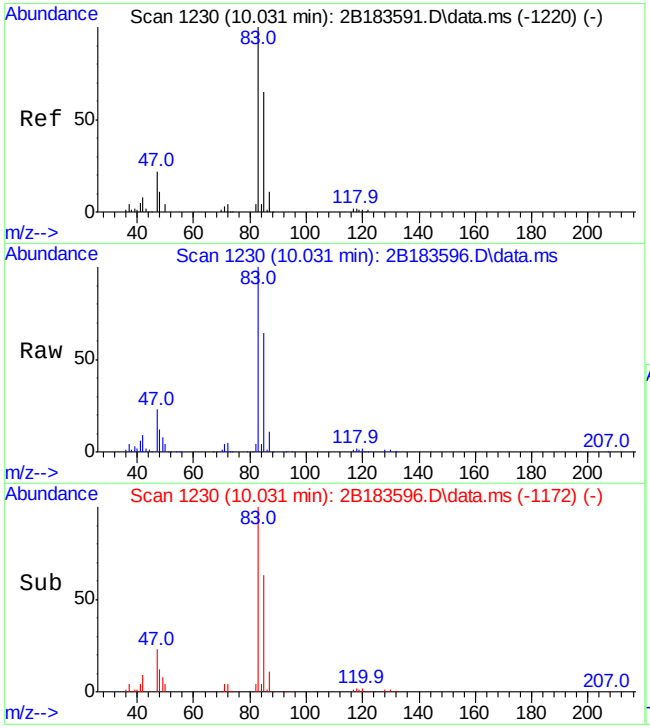


#40
tetrahydrofuran
Concen: 58.14 ug/L
RT: 10.036 min Scan# 1231
Delta R.T. 0.001 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 72 Resp: 18261

Ion	Ratio	Lower	Upper
72	100		
71	85.7	58.8	118.8
43	48.3	15.1	75.1

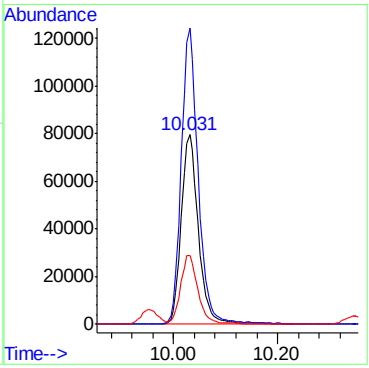


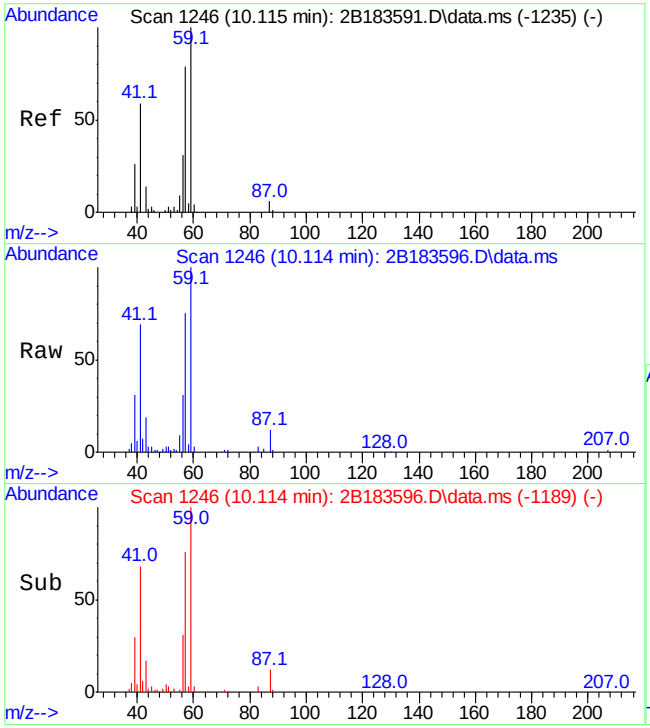


#41
chloroform
Concen: 51.61 ug/L
RT: 10.031 min Scan# 1230
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 85 Resp: 182468

Ion	Ratio	Lower	Upper
85	100		
83	156.3	123.5	183.5
47	36.5	6.5	66.5

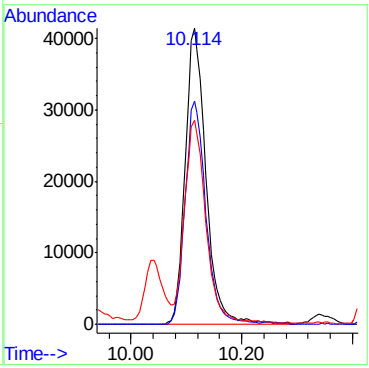


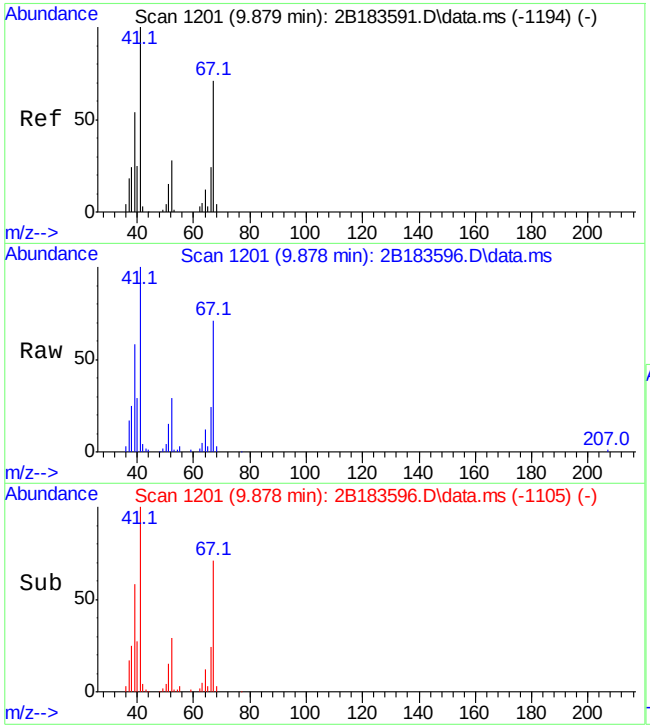


#42
t-butyl formate
Concen: 45.31 ug/L
RT: 10.114 min Scan# 1246
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 59 Resp: 107650

Ion	Ratio	Lower	Upper
59	100		
57	75.4	48.9	108.9
41	68.6	39.1	99.1

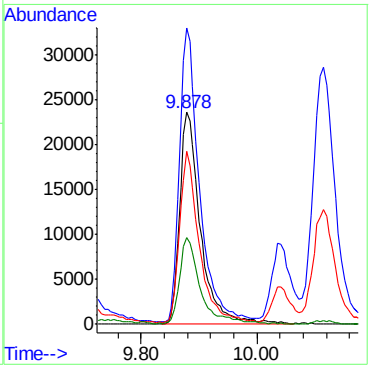


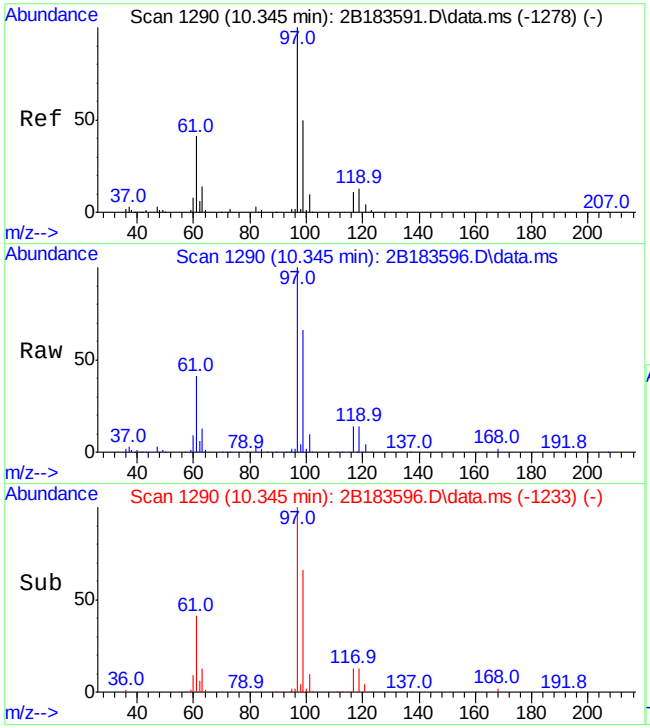


#44
methacrylonitrile
Concen: 60.34 ug/L
RT: 9.878 min Scan# 1201
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 67 Resp: 58881

Ion	Ratio	Lower	Upper
67	100		
41	138.9	110.7	170.7
39	80.7	46.4	106.4
52	40.6	9.9	69.9

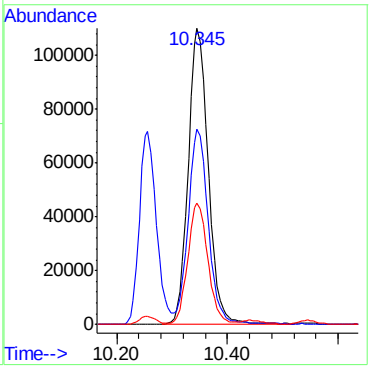


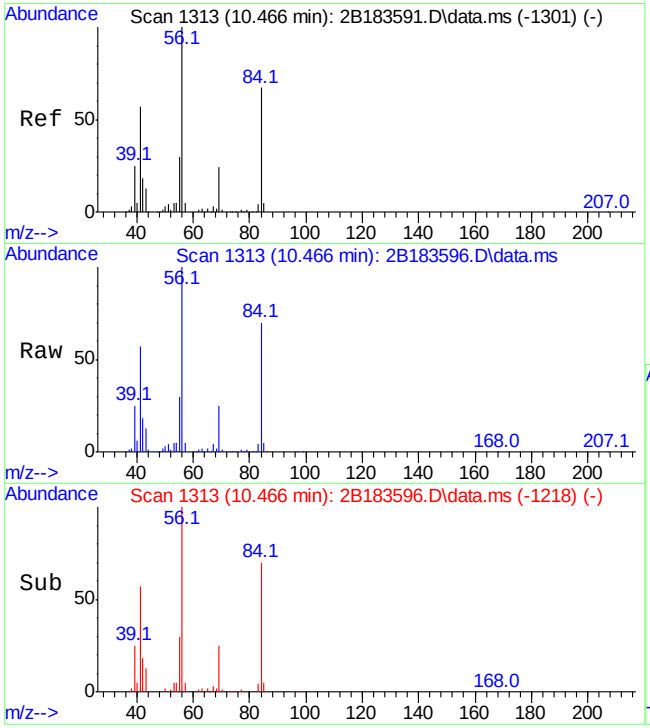


#45
1,1,1-trichloroethane
Concen: 58.18 ug/L
RT: 10.345 min Scan# 1290
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 97 Resp: 276522

Ion	Ratio	Lower	Upper
97	100		
99	65.9	35.8	95.8
61	40.8	11.5	71.5

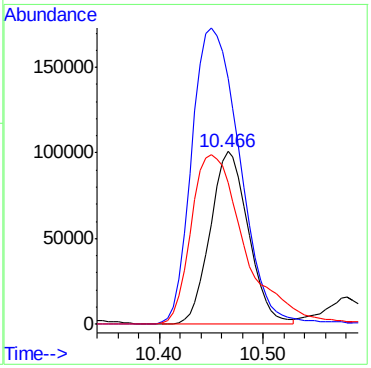


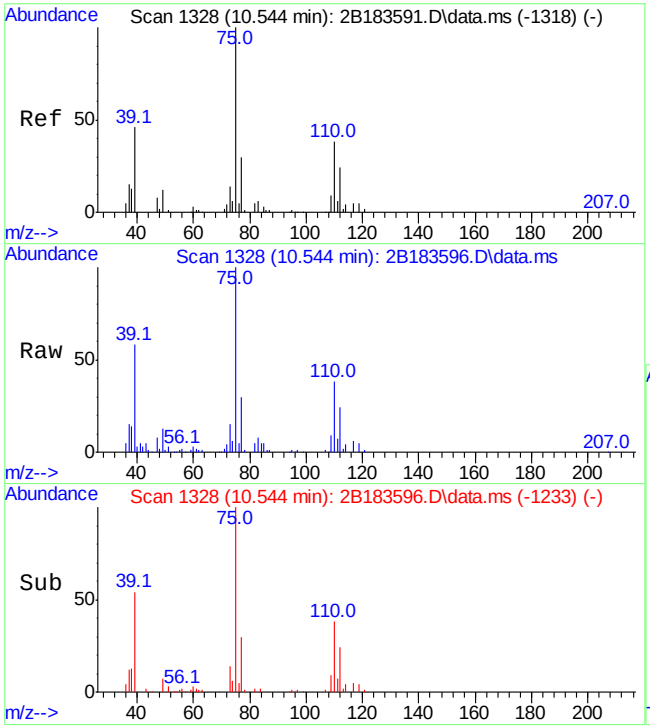


#46
cyclohexane
Concen: 61.01 ug/L
RT: 10.466 min Scan# 1313
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 84 Resp: 257581

Ion	Ratio	Lower	Upper
84	100		
56	141.0	130.0	170.0
41	81.1	65.8	105.8

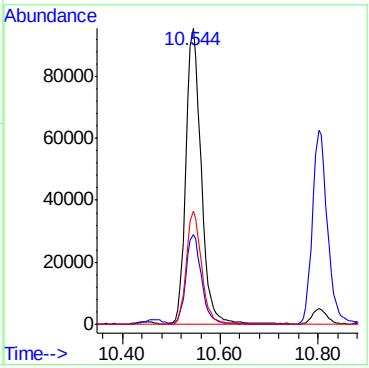


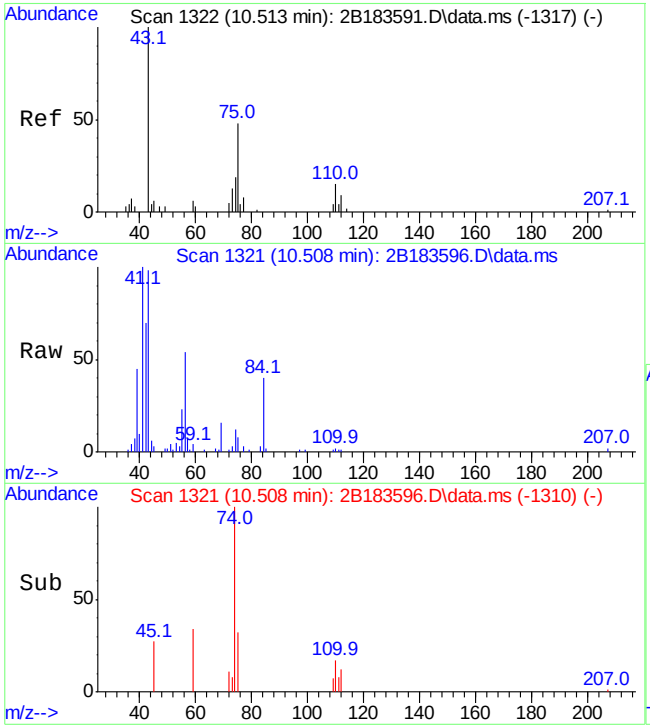


#47
1,1-dichloropropene
Concen: 56.35 ug/L
RT: 10.544 min Scan# 1328
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 75 Resp: 208393

Ion	Ratio	Lower	Upper
75	100		
77	30.3	10.5	50.5
110	38.3	17.9	57.9

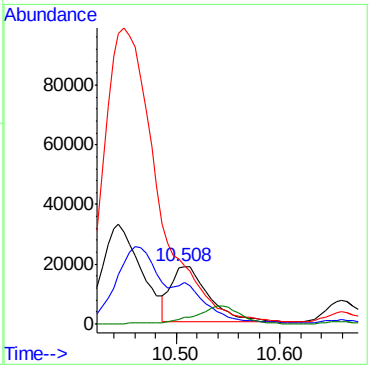


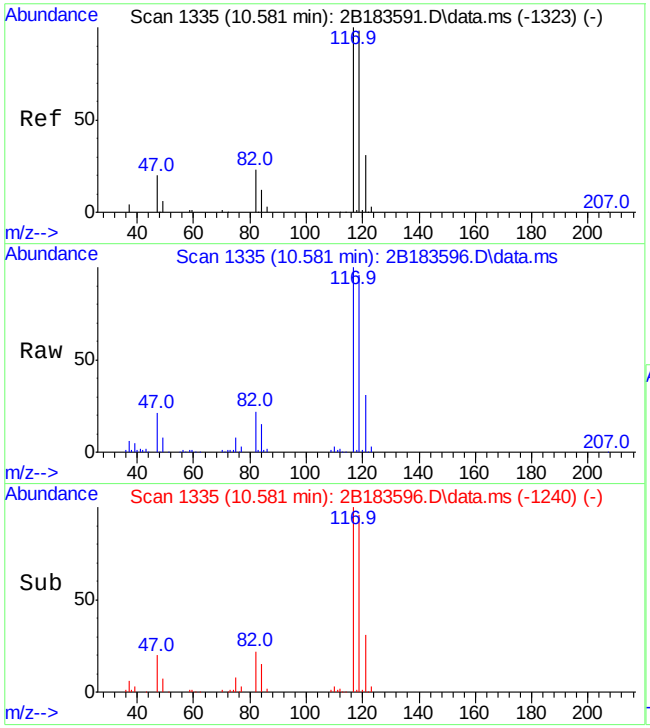


#48
iso-butyl alcohol
Concen: 553.77 ug/L
RT: 10.508 min Scan# 1321
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 43 Resp: 46890

Ion	Ratio	Lower	Upper
43	100		
42	71.1	36.5	96.5
41	101.3	64.7	124.7
74	12.3	0.0	42.8

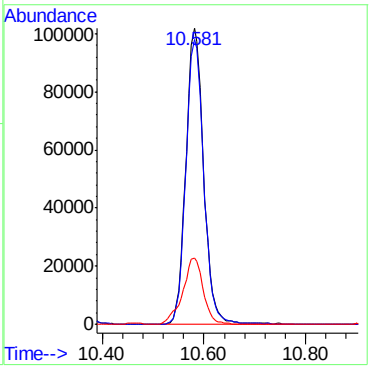


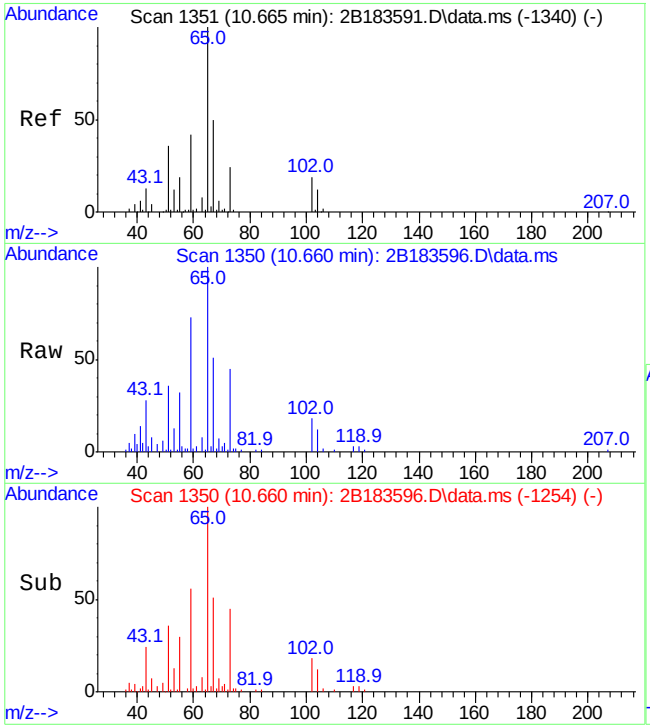


#49
carbon tetrachloride
Concen: 55.42 ug/L
RT: 10.581 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:117 Resp: 246733

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.7	117.7
82	22.4	3.1	43.1

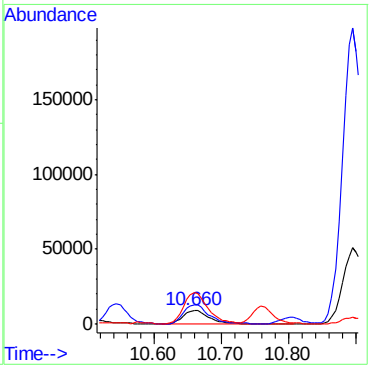


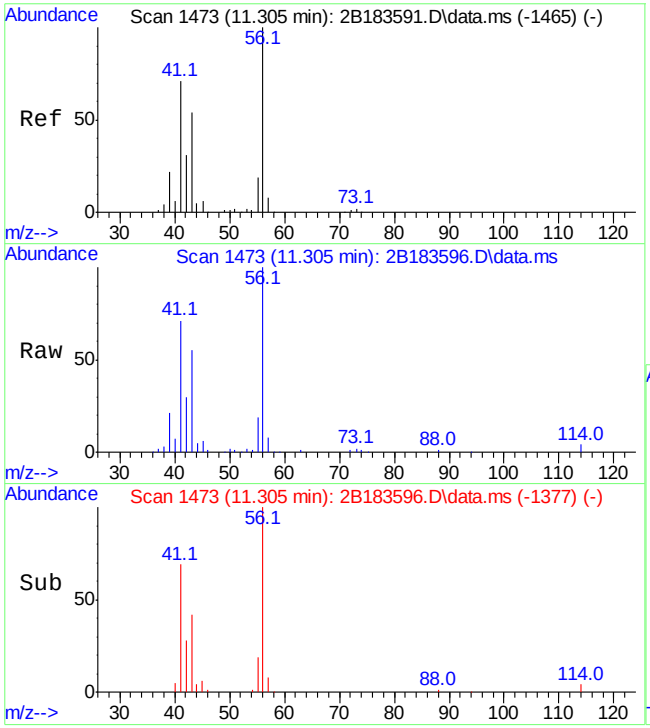


#50
tert amyl alcohol
Concen: 286.26 ug/L
RT: 10.660 min Scan# 1350
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 55 Resp: 25233

Ion	Ratio	Lower	Upper
55	100		
73	135.6	98.8	158.8
59	225.3	191.9	251.9

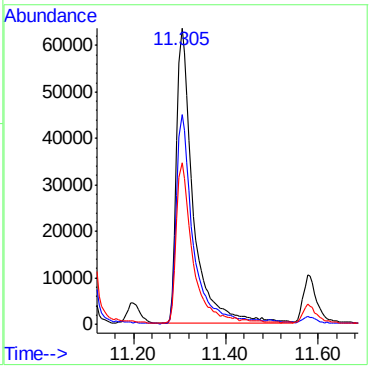


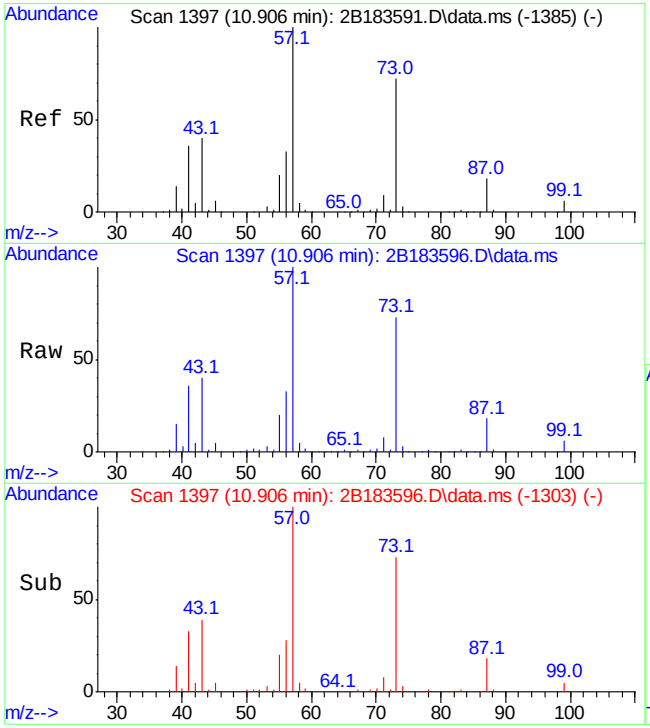


#53
n-butyl alcohol
Concen: 2694.10 ug/L
RT: 11.305 min Scan# 1473
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 56 Resp: 160722

Ion	Ratio	Lower	Upper
56	100		
41	70.7	40.8	100.8
43	54.3	24.4	84.4

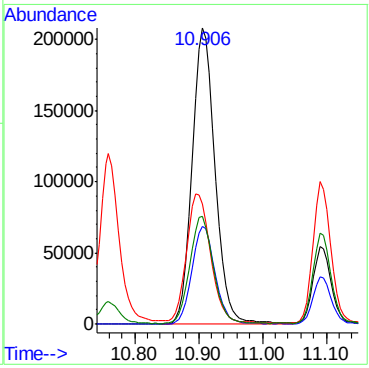


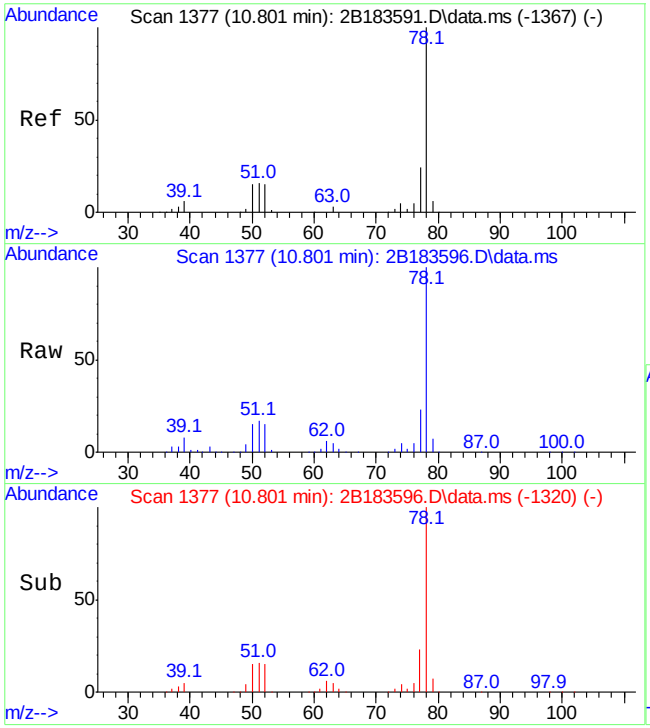


#54
2,2,4-trimethylpentane
Concen: 52.30 ug/L
RT: 10.906 min Scan# 1397
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 57 Resp: 517635

Ion	Ratio	Lower	Upper
57	100		
56	33.0	3.5	63.5
43	40.1	10.7	70.7
41	36.1	5.5	65.5

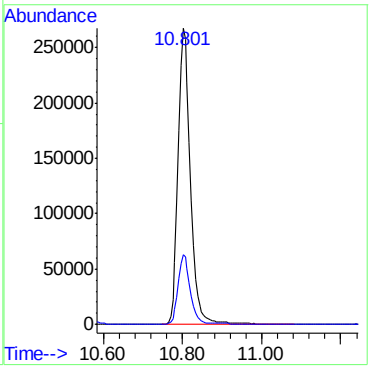


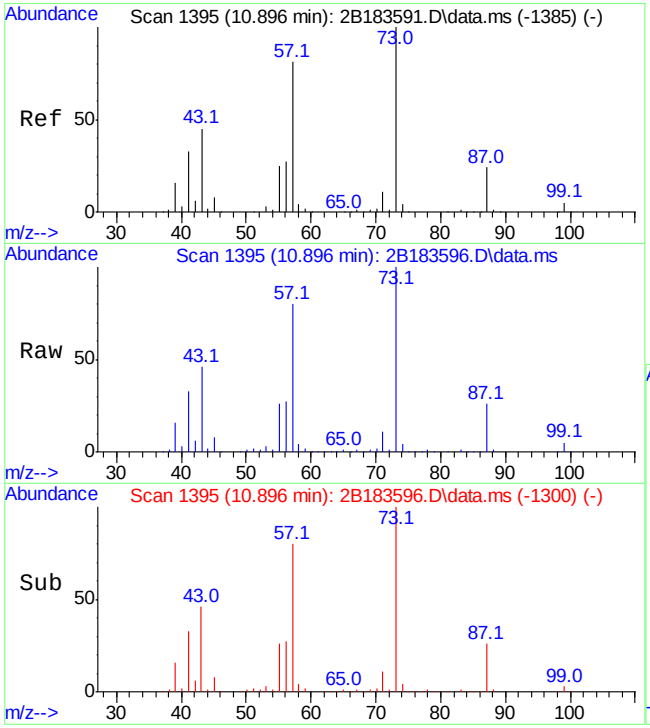


#55
benzene
Concen: 55.73 ug/L
RT: 10.801 min Scan# 1377
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 78 Resp: 582738

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	53.9

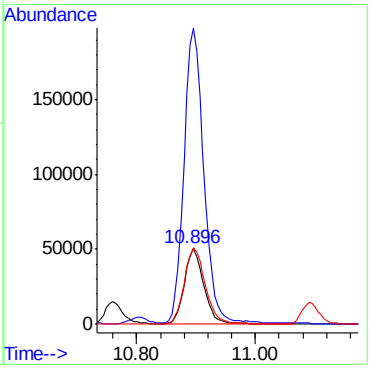


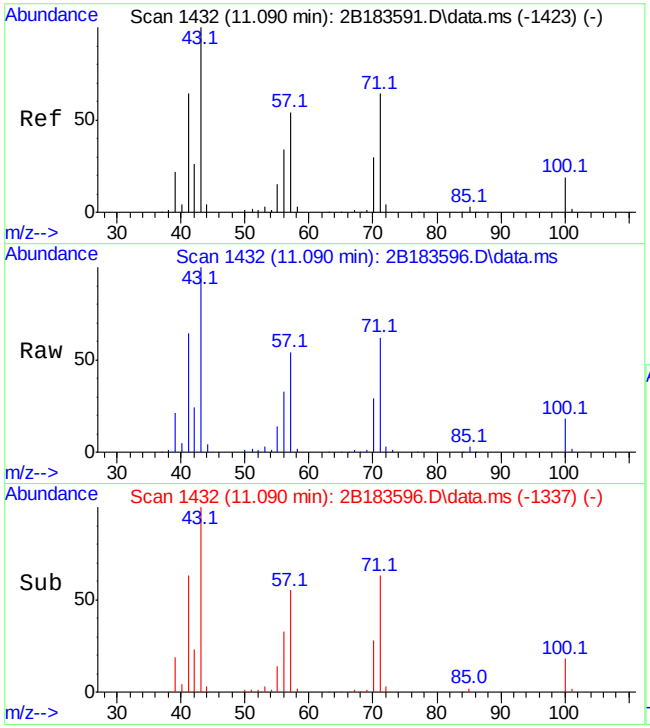


#56
tert-amyl methyl ether
Concen: 50.78 ug/L
RT: 10.896 min Scan# 1395
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 87 Resp: 114725

Ion	Ratio	Lower	Upper
87	100		
73	390.7	377.9	437.9
55	100.6	73.1	133.1

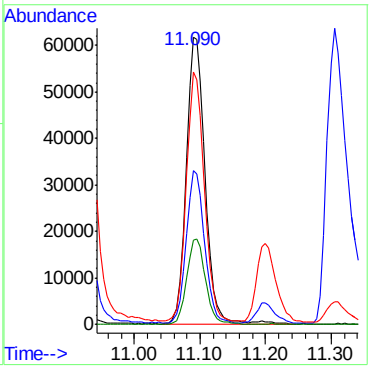


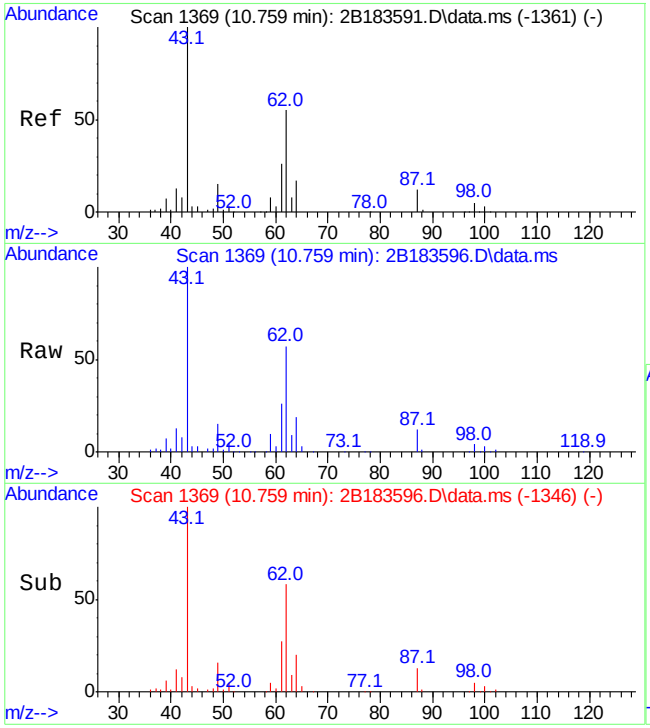


#57
heptane
Concen: 56.27 ug/L
RT: 11.090 min Scan# 1432
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 71 Resp: 125549

Ion	Ratio	Lower	Upper
71	100		
56	53.2	23.2	83.2
57	86.7	54.9	114.9
100	29.2	0.0	59.2

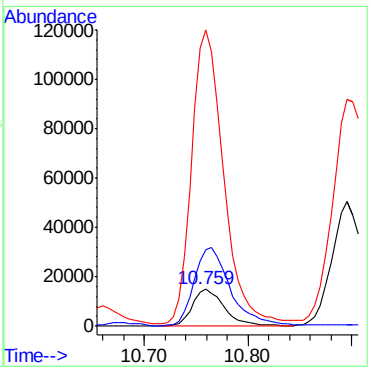


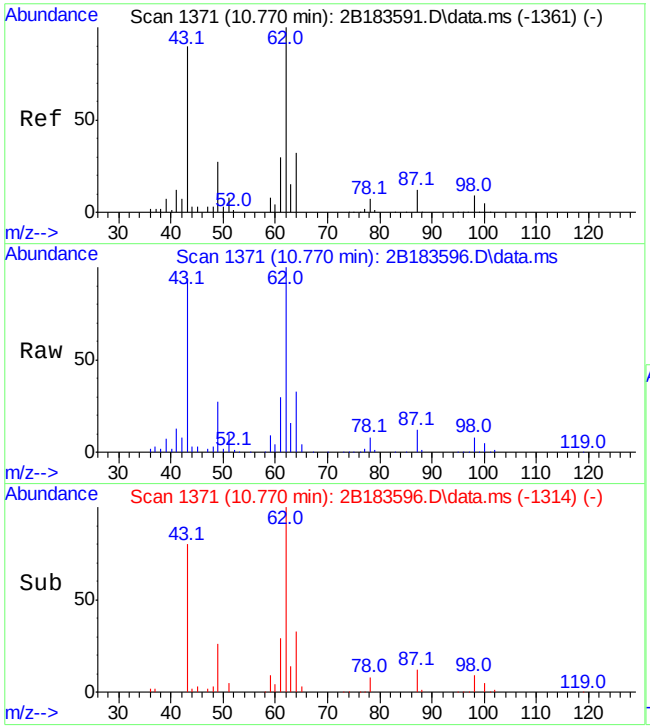


#58
isopropyl acetate
Concen: 57.40 ug/L
RT: 10.759 min Scan# 1369
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 87 Resp: 32016

Ion	Ratio	Lower	Upper
87	100		
61	207.3	185.0	245.0
43	799.6	799.1	859.1

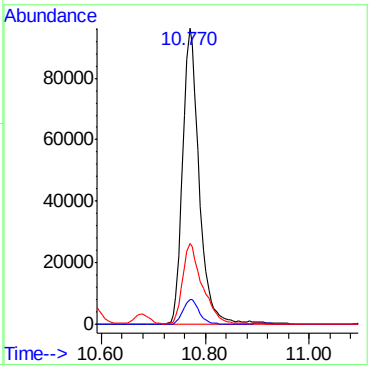


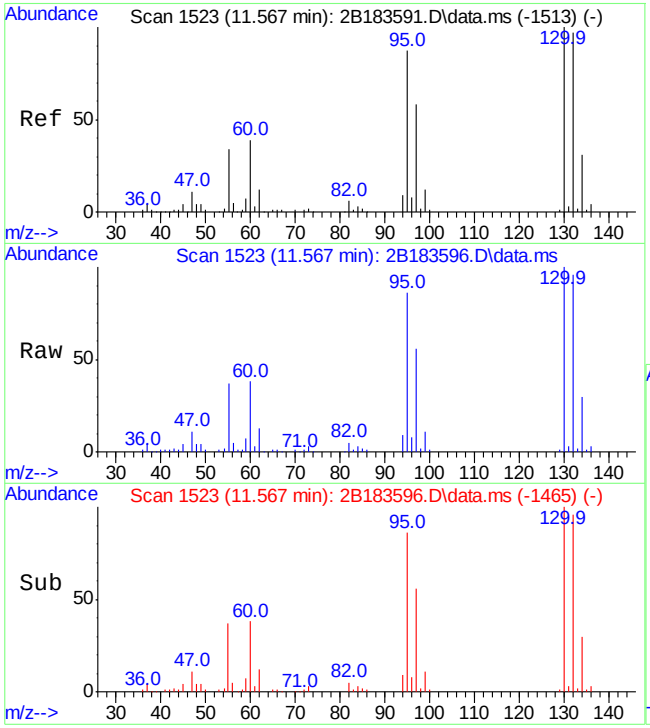


#59
1,2-dichloroethane
Concen: 53.62 ug/L
RT: 10.770 min Scan# 1371
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 62 Resp: 214314

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	39.0
49	27.3	0.0	56.8

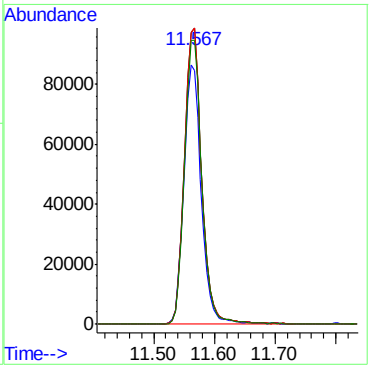


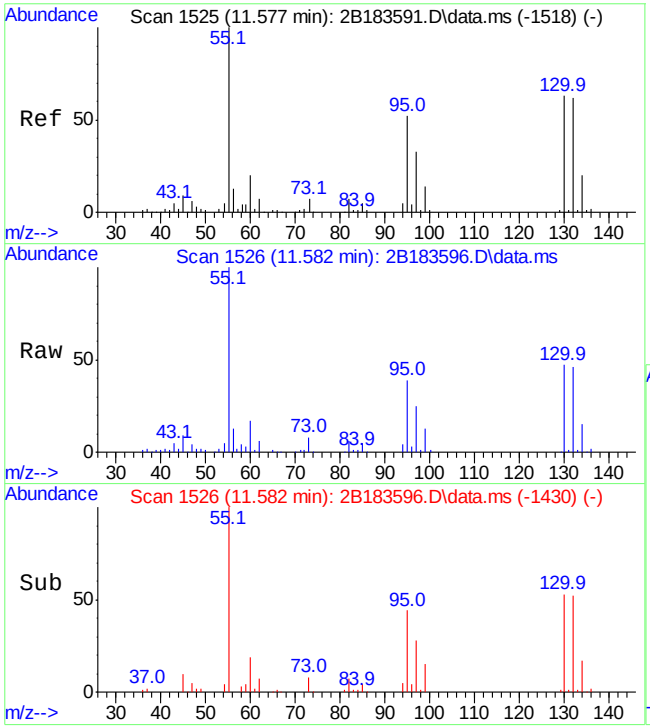


#60
trichloroethene
Concen: 57.23 ug/L
RT: 11.567 min Scan# 1523
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:130 Resp: 194862

Ion	Ratio	Lower	Upper
130	100		
95	85.8	56.8	116.8
130	100.0	70.0	130.0
132	96.0	67.2	127.2

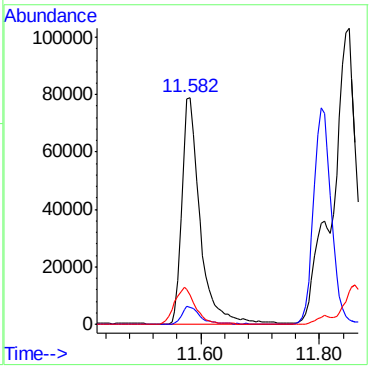


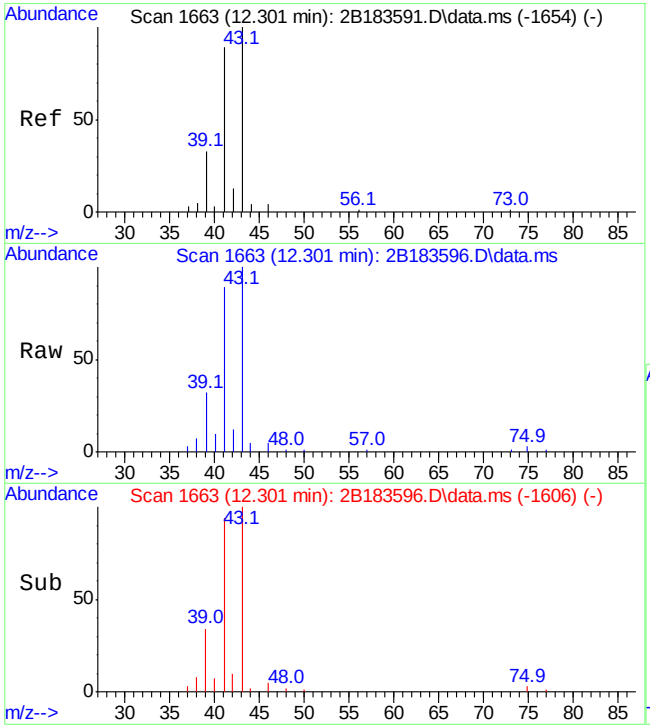


#61
ethyl acrylate
Concen: 57.17 ug/L
RT: 11.582 min Scan# 1526
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 55 Resp: 169554

Ion	Ratio	Lower	Upper
55	100		
73	7.6	0.0	27.3
99	12.9	0.0	35.3

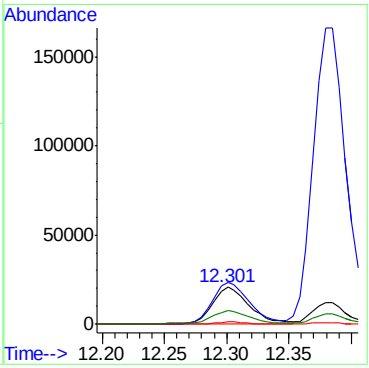


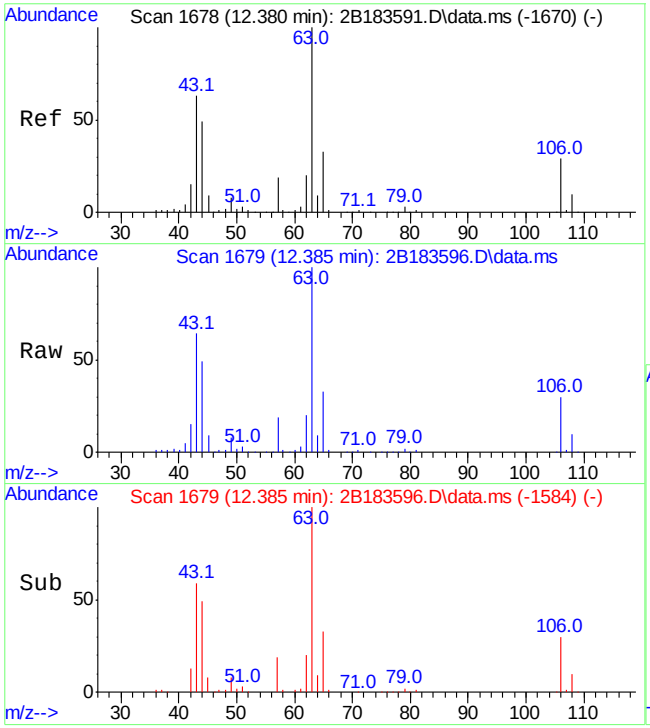


#62
2-nitropropane
Concen: 56.04 ug/L
RT: 12.301 min Scan# 1663
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 41 Resp: 41388

Ion	Ratio	Lower	Upper
41	100		
43	112.7	92.9	132.9
46	5.5	0.0	24.8
39	35.2	17.1	57.1

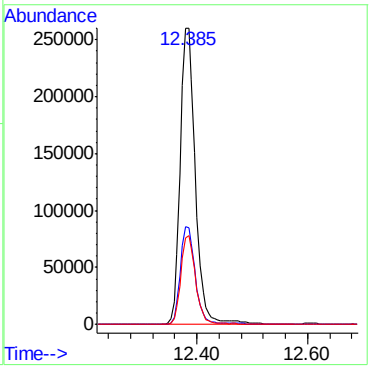


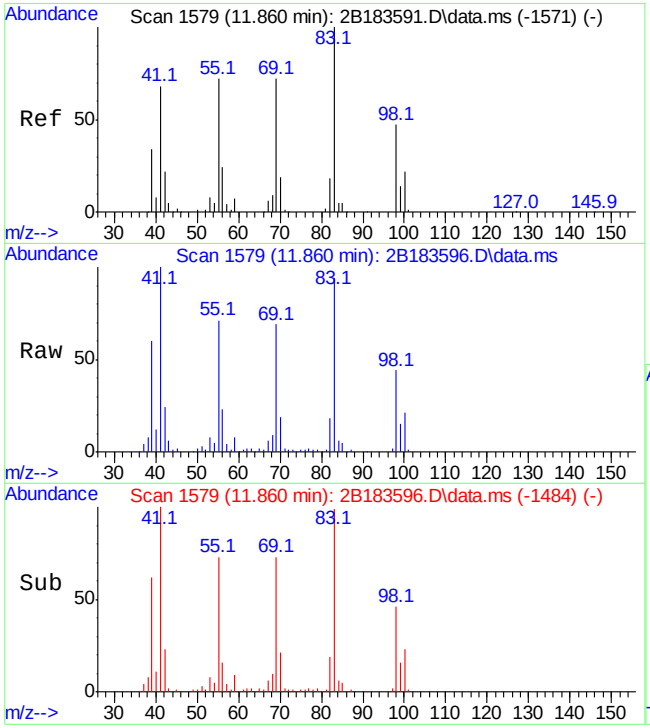


#63
2-chloroethyl vinyl ether
Concen: 296.04 ug/L
RT: 12.385 min Scan# 1679
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 63 Resp: 491378

Ion	Ratio	Lower	Upper
63	100		
65	32.6	2.7	62.7
106	30.1	0.0	59.0

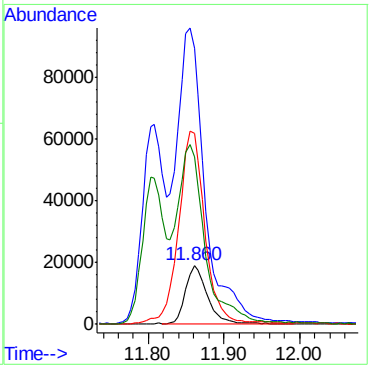


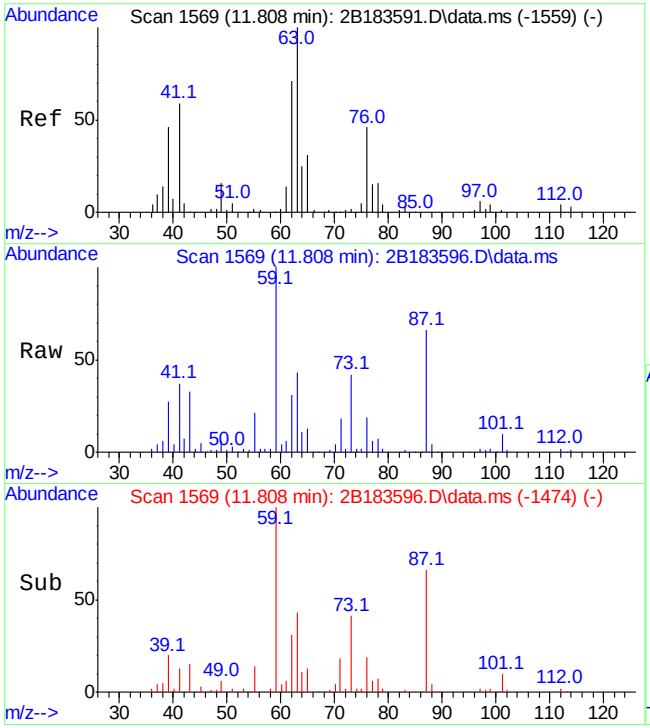


#64
methyl methacrylate
Concen: 58.56 ug/L
RT: 11.860 min Scan# 1579
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:100 Resp: 38098

Ion	Ratio	Lower	Upper
100	100		
41	465.6	492.5	552.5#
69	323.6	314.6	374.6
39	281.3	285.7	345.7#

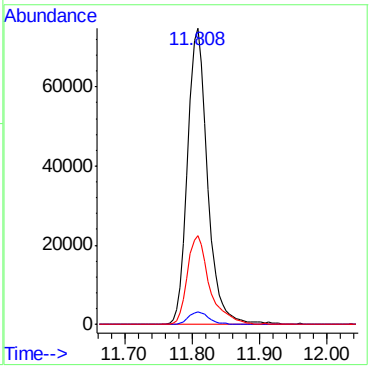


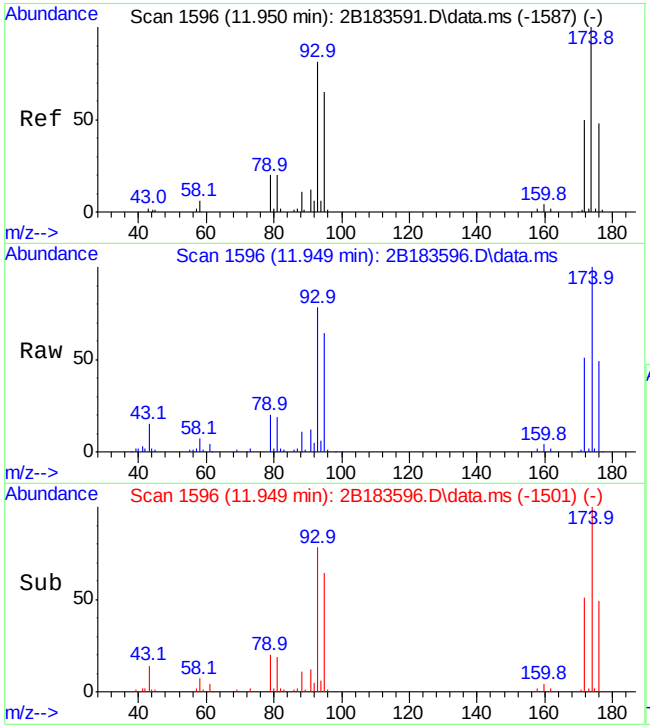


#65
1,2-dichloropropane
Concen: 54.41 ug/L
RT: 11.808 min Scan# 1569
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 63 Resp: 153920

Ion	Ratio	Lower	Upper
63	100		
112	4.1	0.0	33.9
65	30.0	1.3	61.3

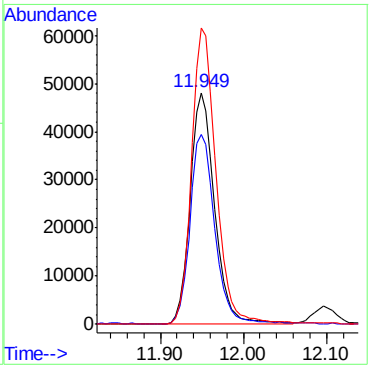


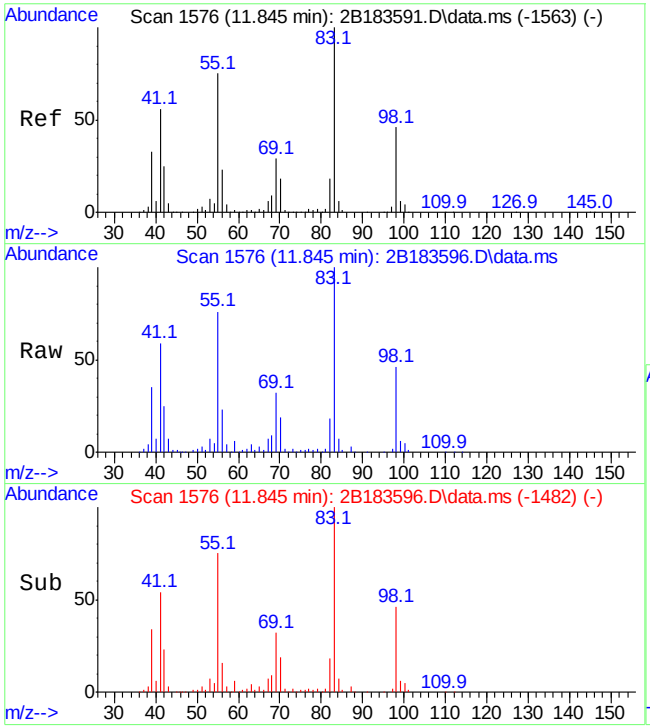


#66
dibromomethane
Concen: 51.83 ug/L
RT: 11.949 min Scan# 1596
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 93 Resp: 97899

Ion	Ratio	Lower	Upper
93	100		
95	82.2	50.5	110.5
174	128.1	94.1	154.1

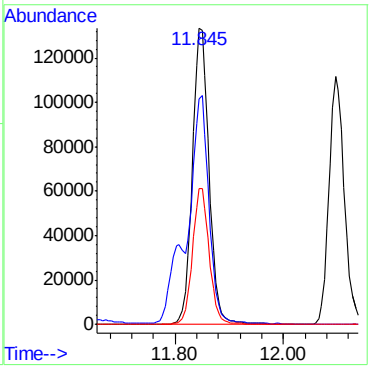


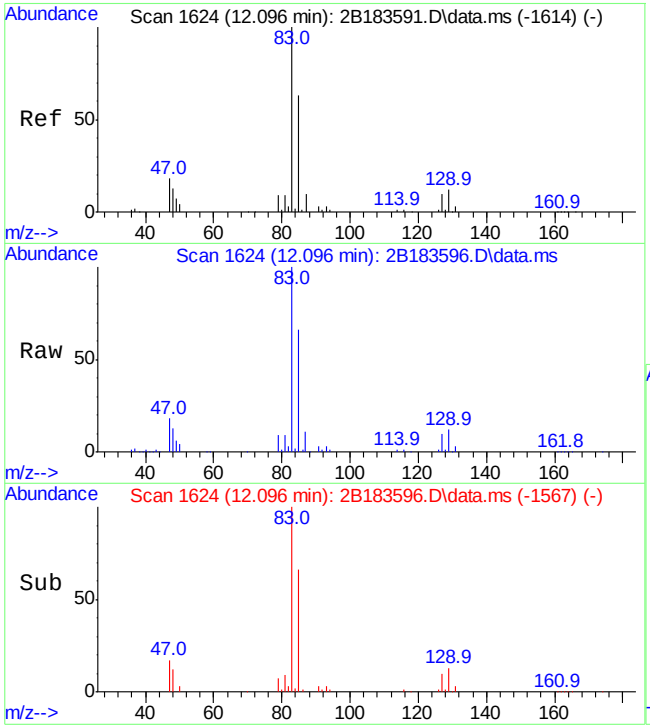


#67
methylcyclohexane
Concen: 54.28 ug/L
RT: 11.845 min Scan# 1576
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 83 Resp: 287316

Ion	Ratio	Lower	Upper
83	100		
55	75.9	45.5	105.5
98	46.0	15.7	75.7

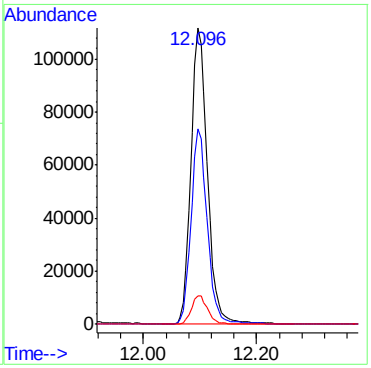


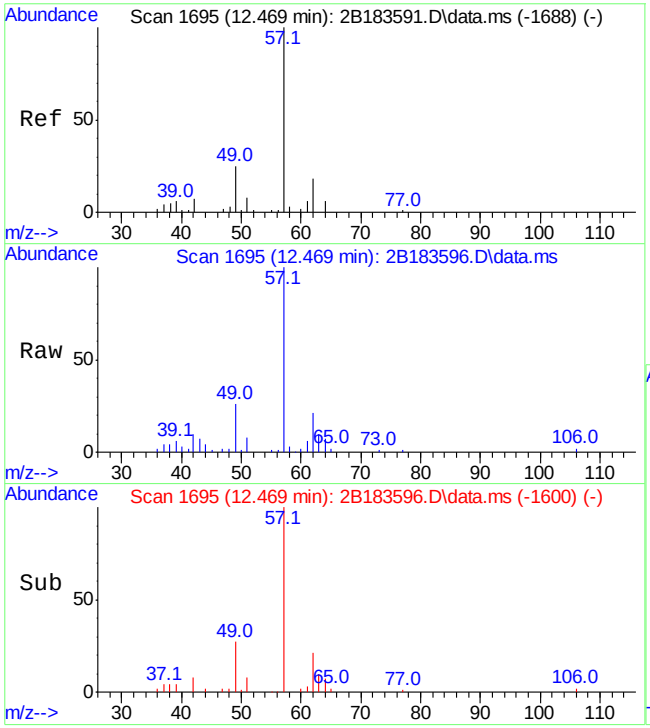


#68
bromodichloromethane
Concen: 54.42 ug/L
RT: 12.096 min Scan# 1624
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 83 Resp: 224436

Ion	Ratio	Lower	Upper
83	100		
85	66.0	33.2	93.2
127	9.5	0.0	39.5

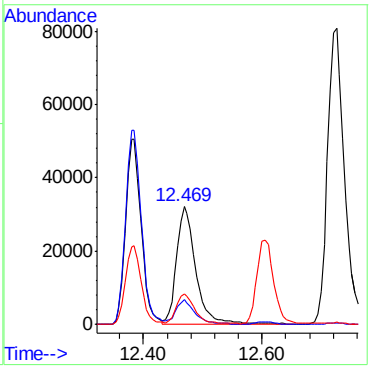


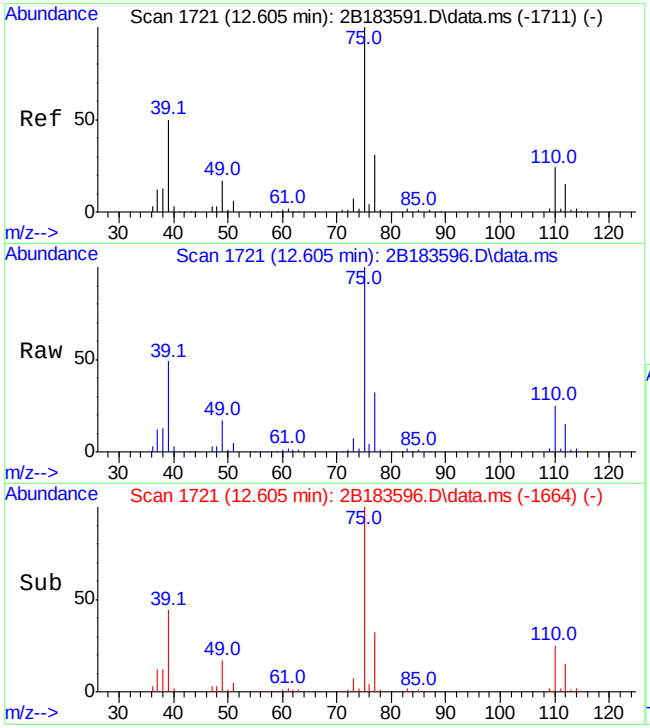


#69
epichlorohydrin
Concen: 288.87 ug/L
RT: 12.469 min Scan# 1695
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 57 Resp: 72659

Ion	Ratio	Lower	Upper
57	100		
62	20.6	0.4	40.4
49	24.4	4.3	44.3

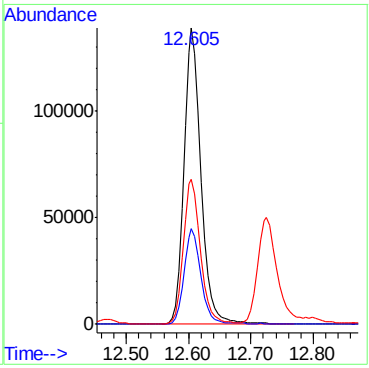


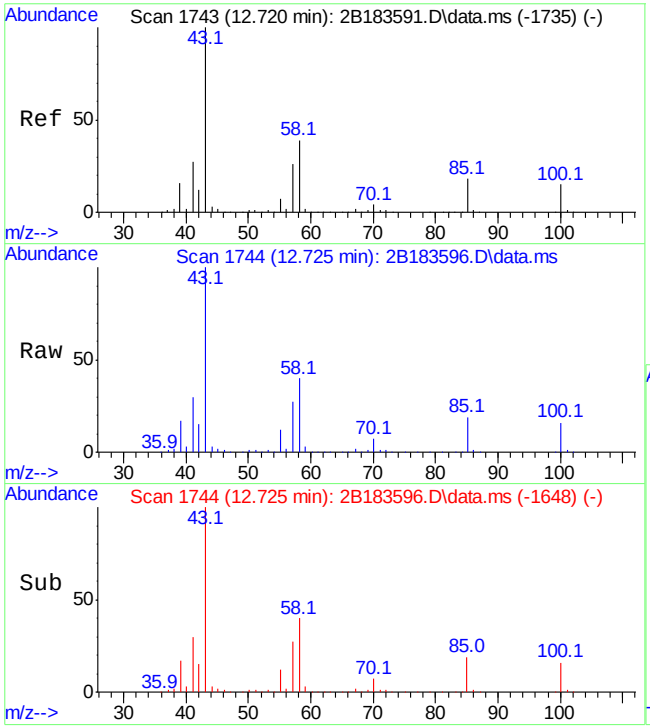


#70
cis-1,3-dichloropropene
Concen: 56.24 ug/L
RT: 12.605 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 75 Resp: 268032

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.4	61.4
39	49.0	19.8	79.8

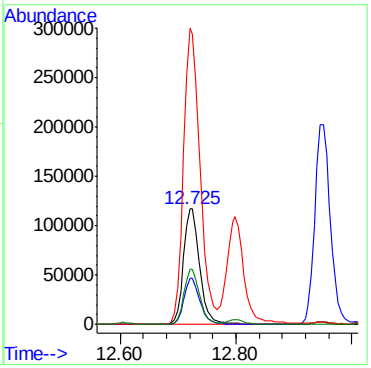


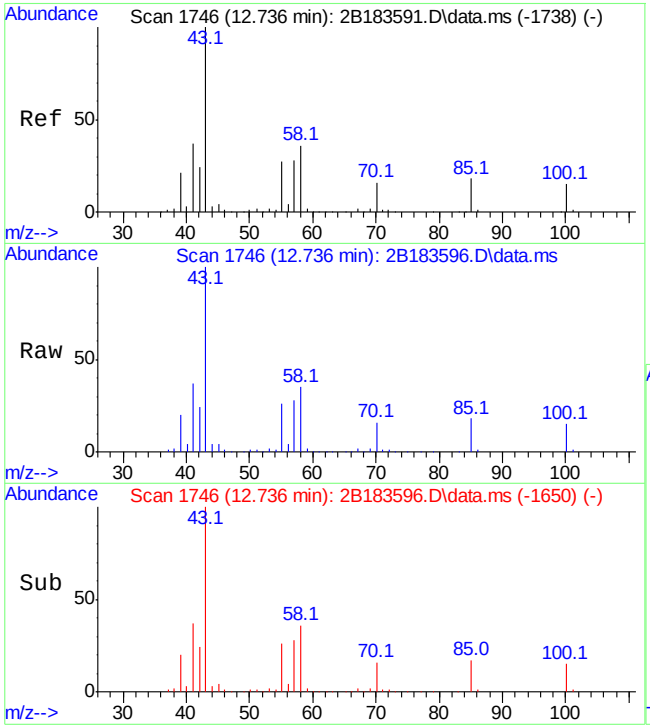


#71
4-methyl-2-pentanone
Concen: 234.54 ug/L
RT: 12.725 min Scan# 1744
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 58 Resp: 226929

Ion	Ratio	Lower	Upper
58	100		
100	40.2	8.6	68.6
43	251.3	223.3	283.3
85	47.8	16.6	76.6

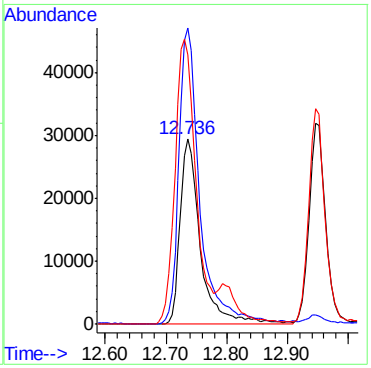


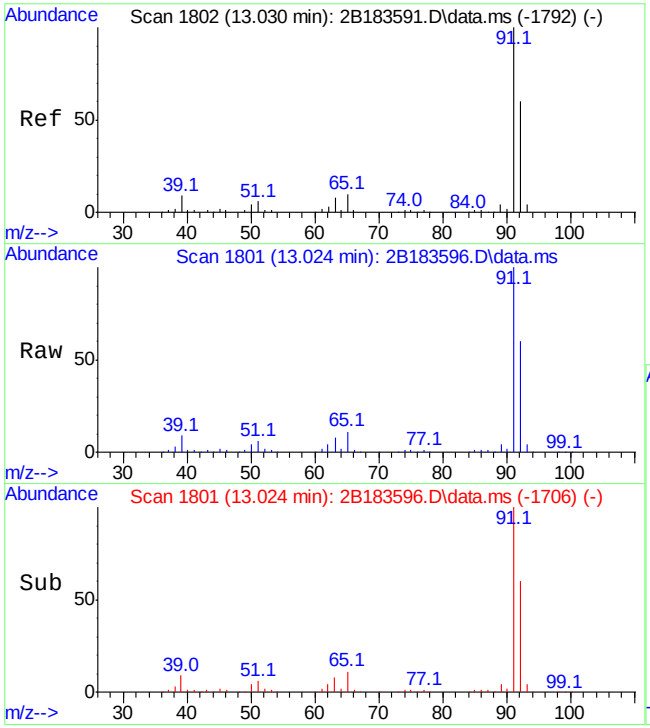


#72
3-methyl-1-butanol
Concen: 1174.42 ug/L
RT: 12.736 min Scan# 1746
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 70 Resp: 67496

Ion	Ratio	Lower	Upper
70	100		
55	159.1	138.6	198.6
42	143.9	117.3	177.3

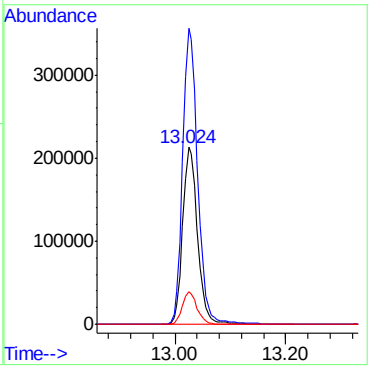


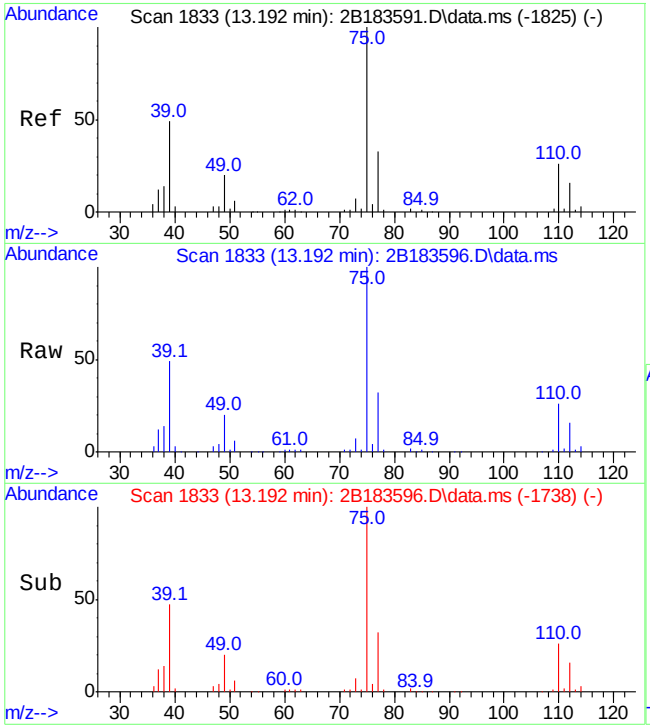


#75
toluene
Concen: 55.41 ug/L
RT: 13.024 min Scan# 1801
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 92 Resp: 395875

Ion	Ratio	Lower	Upper
92	100		
91	167.4	145.5	185.5
65	18.3	0.0	37.3

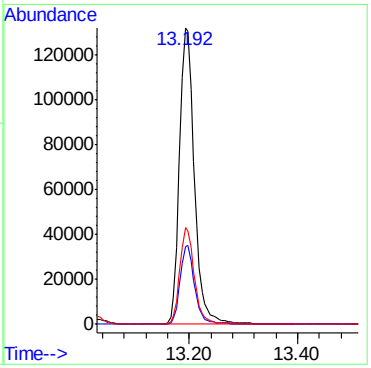


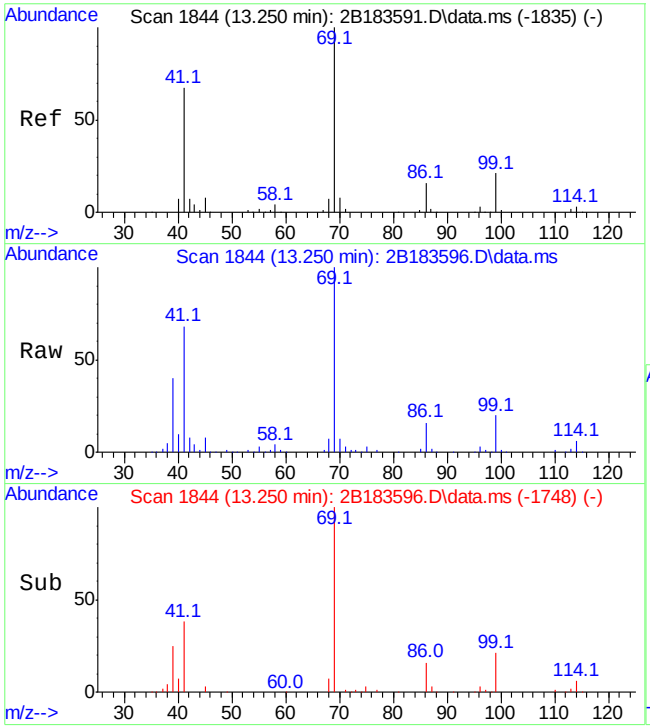


#76
trans-1,3-dichloropropene
Concen: 59.56 ug/L
RT: 13.192 min Scan# 1833
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 75 Resp: 248593

Ion	Ratio	Lower	Upper
75	100		
110	26.1	5.6	45.6
77	32.5	12.9	52.9

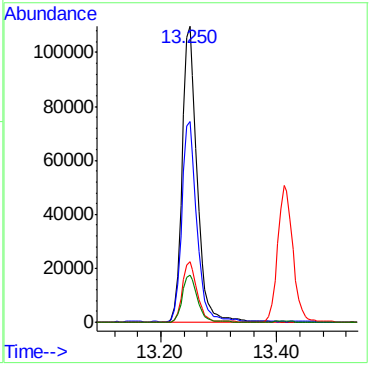


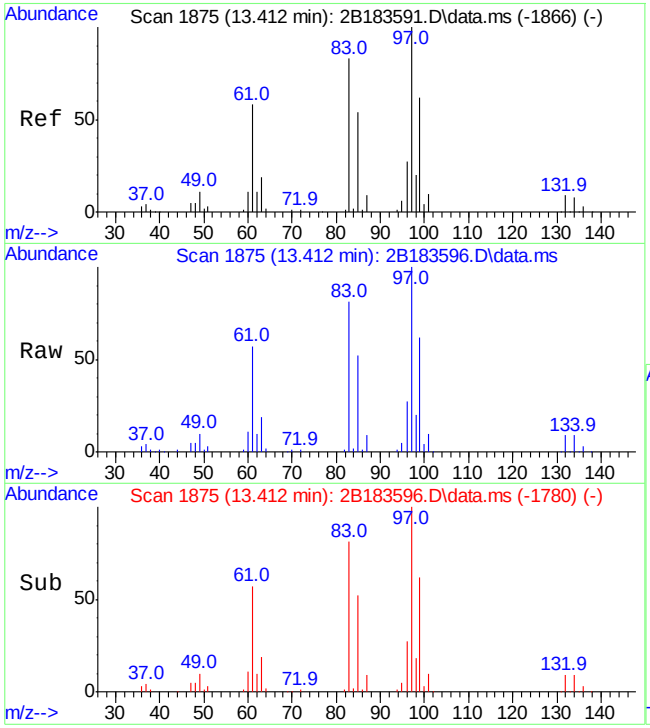


#77
ethyl methacrylate
Concen: 58.35 ug/L
RT: 13.250 min Scan# 1844
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 69 Resp: 197249

Ion	Ratio	Lower	Upper
69	100		
41	67.5	47.3	87.3
99	20.4	0.7	40.7
86	16.0	0.0	36.3

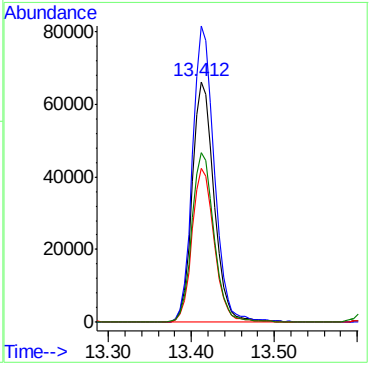


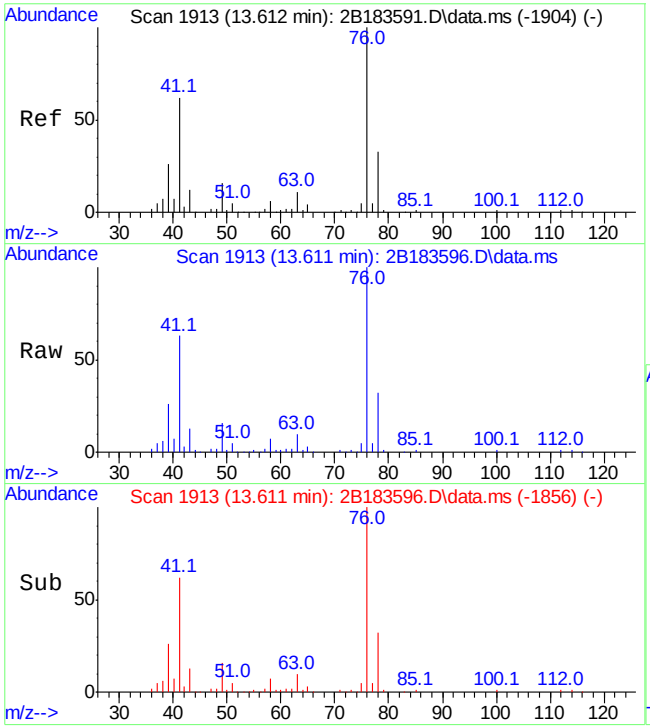


#78
1,1,2-trichloroethane
Concen: 55.68 ug/L
RT: 13.412 min Scan# 1875
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 83 Resp: 120348

Ion	Ratio	Lower	Upper
83	100		
97	123.3	100.4	140.4
85	63.8	44.7	84.7
61	70.5	49.5	89.5

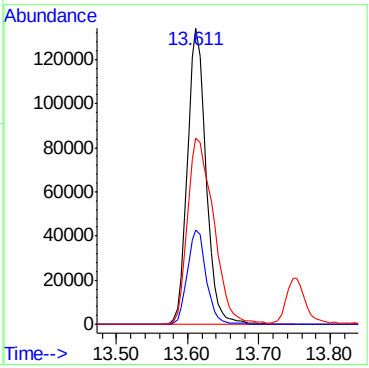


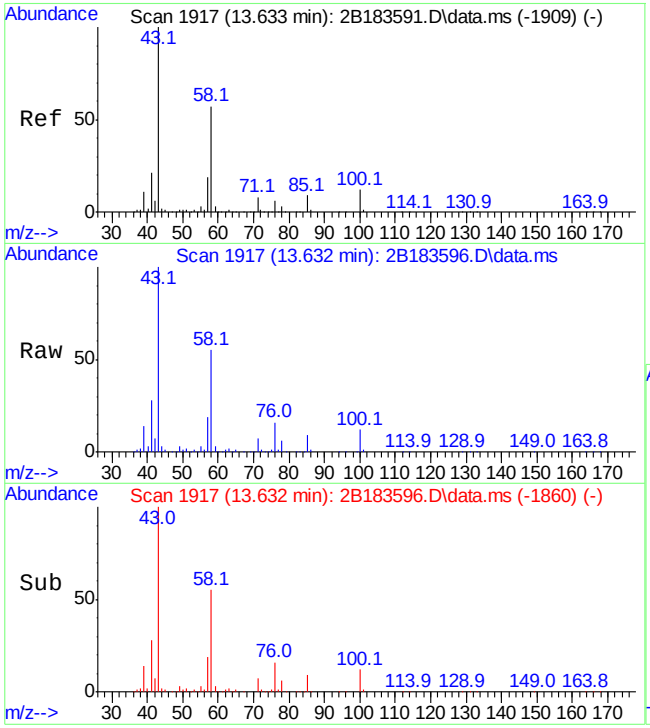


#80
1,3-dichloropropane
Concen: 55.62 ug/L
RT: 13.611 min Scan# 1913
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 76 Resp: 243911

Ion	Ratio	Lower	Upper
76	100		
78	31.8	2.9	62.9
41	62.8	31.5	91.5

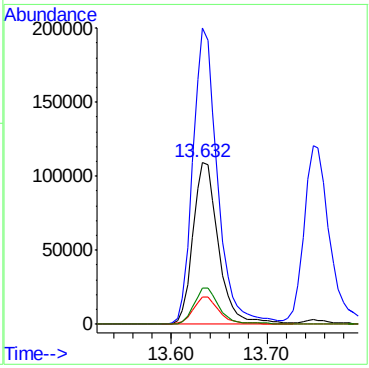


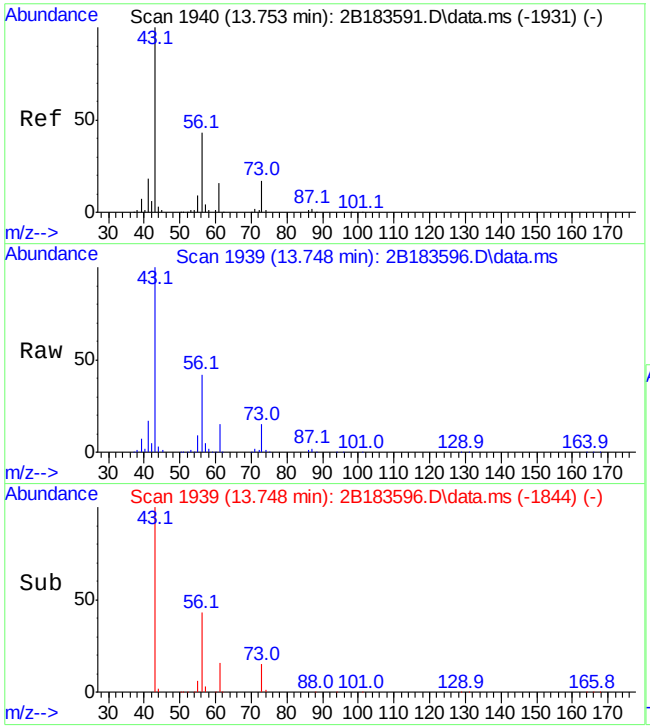


#81
2-hexanone
Concen: 237.78 ug/L
RT: 13.632 min Scan# 1917
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 58 Resp: 200621

Ion	Ratio	Lower	Upper
58	100		
43	183.2	156.8	196.8
85	17.0	0.0	35.7
100	22.3	0.5	40.5

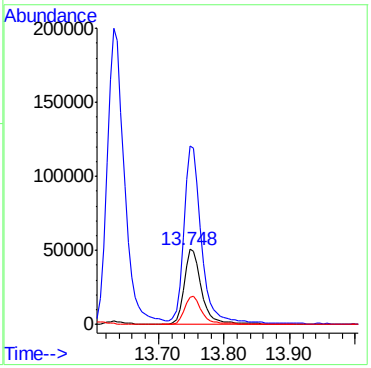


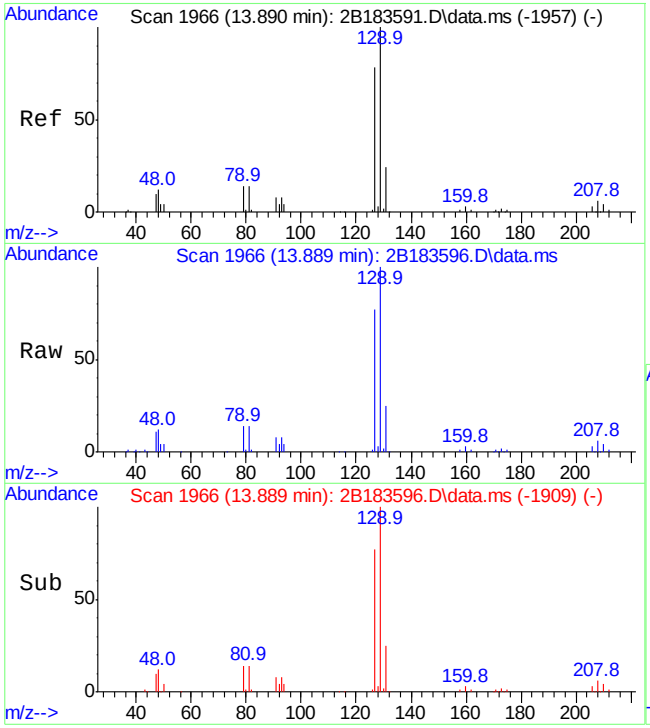


#82
butyl acetate
Concen: 58.62 ug/L
RT: 13.748 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 56 Resp: 94681

Ion	Ratio	Lower	Upper
56	100		
43	235.4	205.4	265.4
73	35.6	8.9	68.9

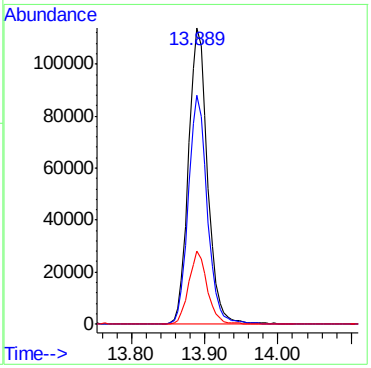


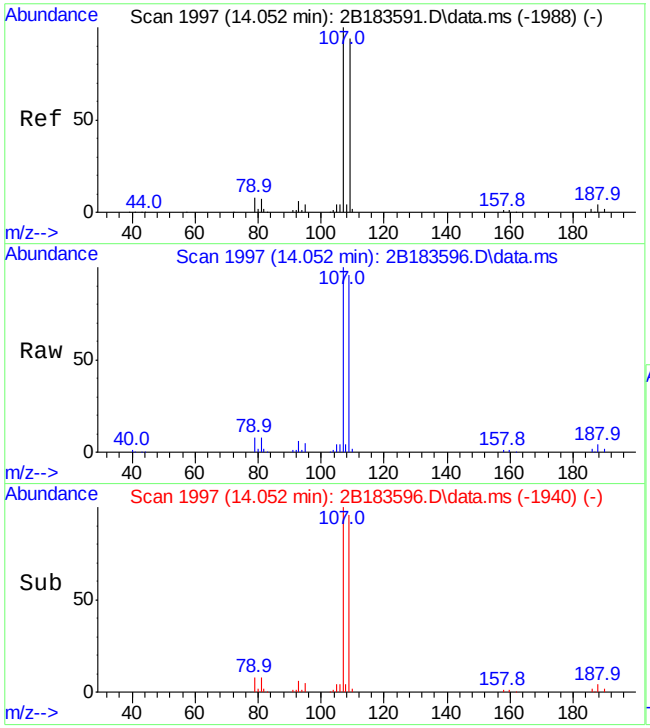


#83
dibromochloromethane
Concen: 56.66 ug/L
RT: 13.889 min Scan# 1966
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:129 Resp: 205978

Ion	Ratio	Lower	Upper
129	100		
127	77.4	47.6	107.6
131	24.6	0.0	54.0

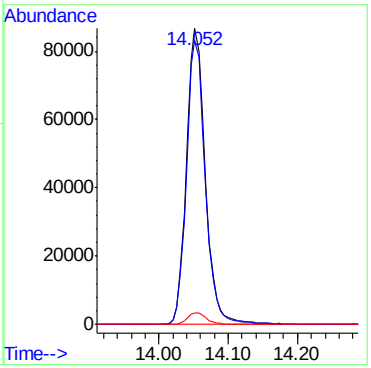


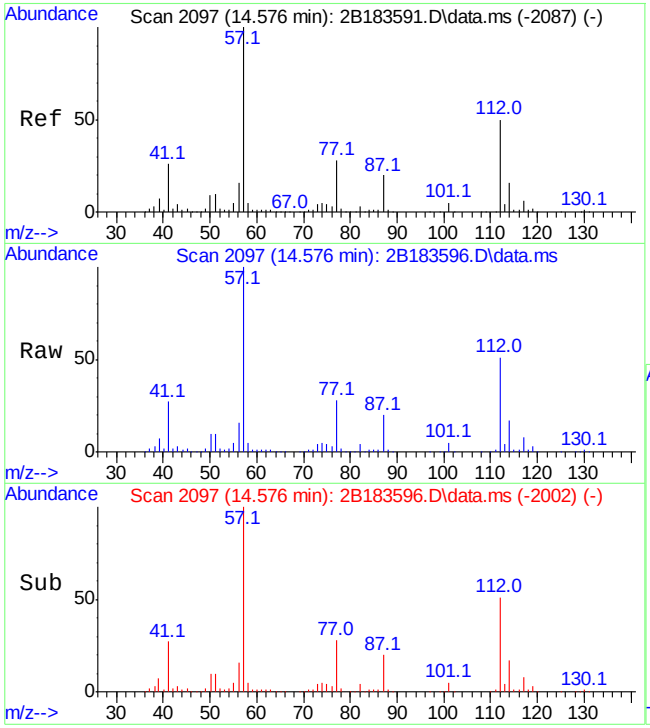


#84
1,2-dibromoethane
Concen: 57.30 ug/L
RT: 14.052 min Scan# 1997
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:107 Resp: 163806

Ion	Ratio	Lower	Upper
107	100		
109	96.0	64.2	124.2
188	3.8	0.0	33.9

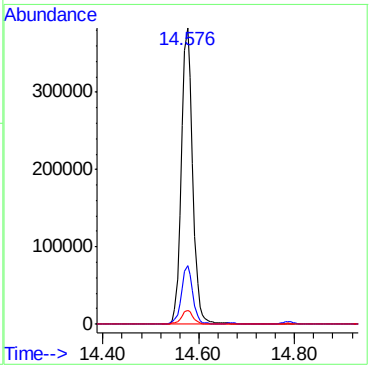


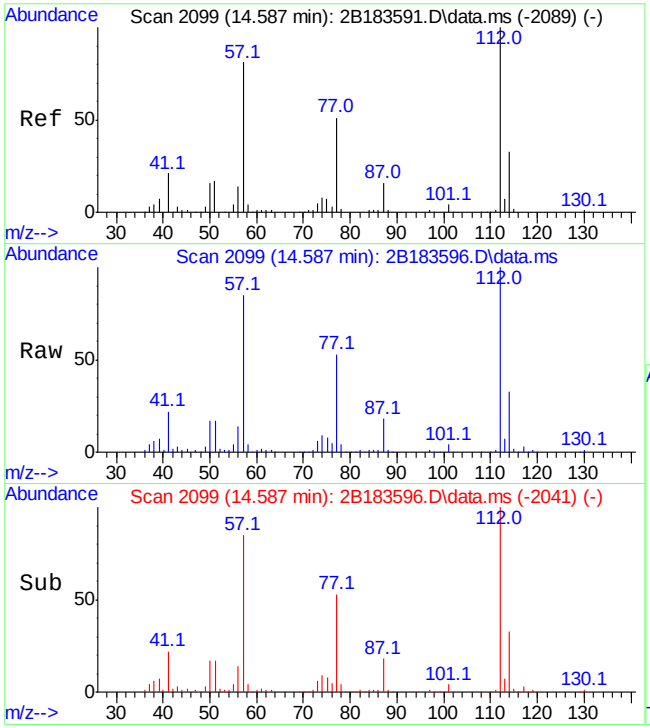


#85
n-butyl ether
Concen: 57.71 ug/L
RT: 14.576 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 57 Resp: 623154

Ion	Ratio	Lower	Upper
57	100		
87	19.8	0.0	49.5
101	4.7	0.0	34.7

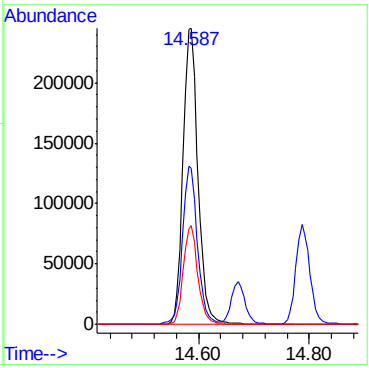


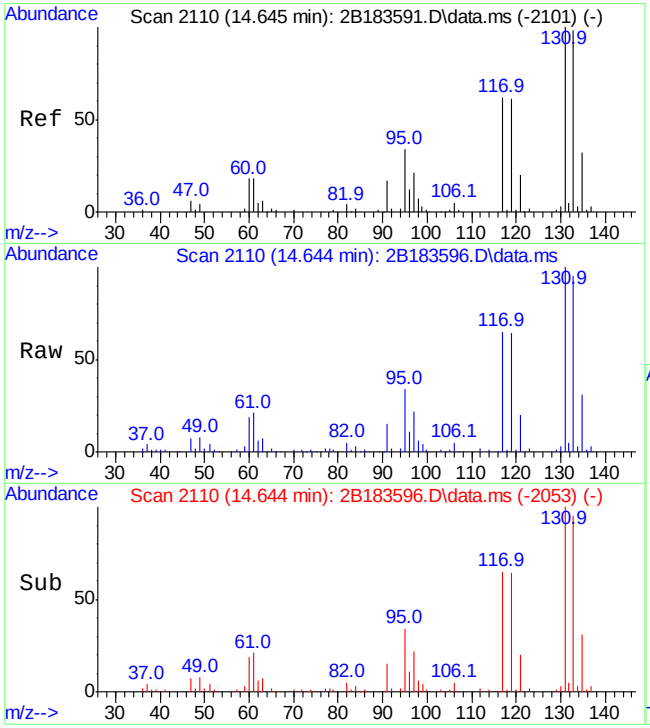


#86
chlorobenzene
Concen: 53.93 ug/L
RT: 14.587 min Scan# 2099
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:112 Resp: 457860

Ion	Ratio	Lower	Upper
112	100		
77	52.4	21.5	81.5
114	33.2	2.8	62.8

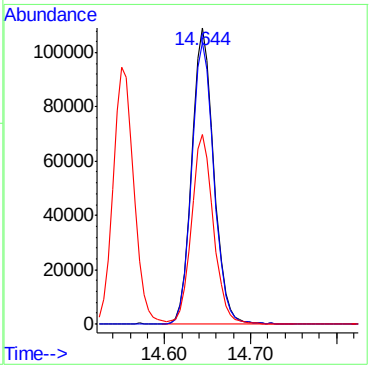


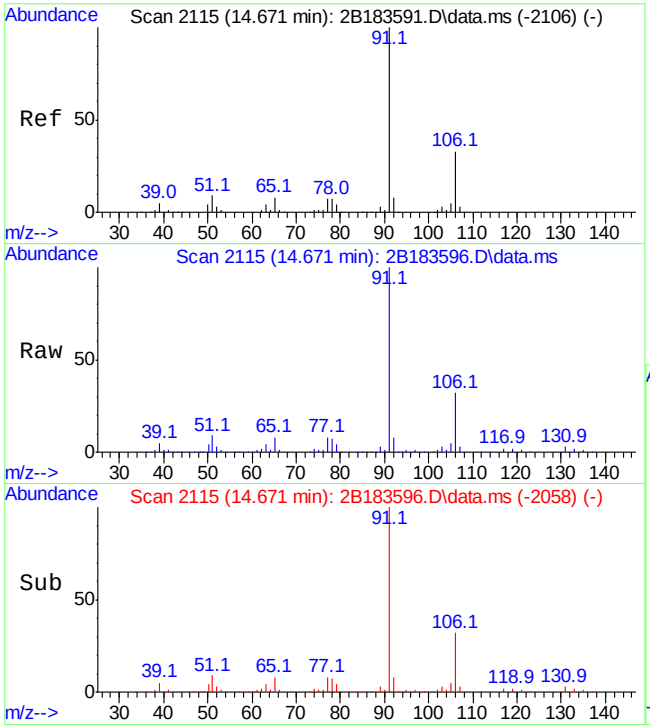


#87
1,1,1,2-tetrachloroethane
Concen: 55.33 ug/L
RT: 14.644 min Scan# 2110
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:131 Resp: 191470

Ion	Ratio	Lower	Upper
131	100		
133	95.3	67.8	127.8
119	64.1	32.9	92.9

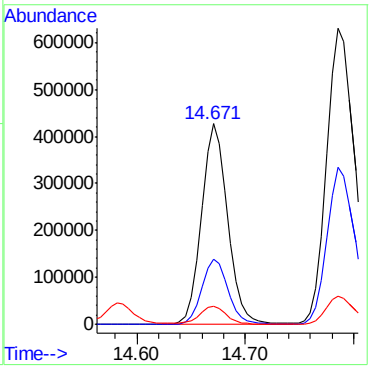


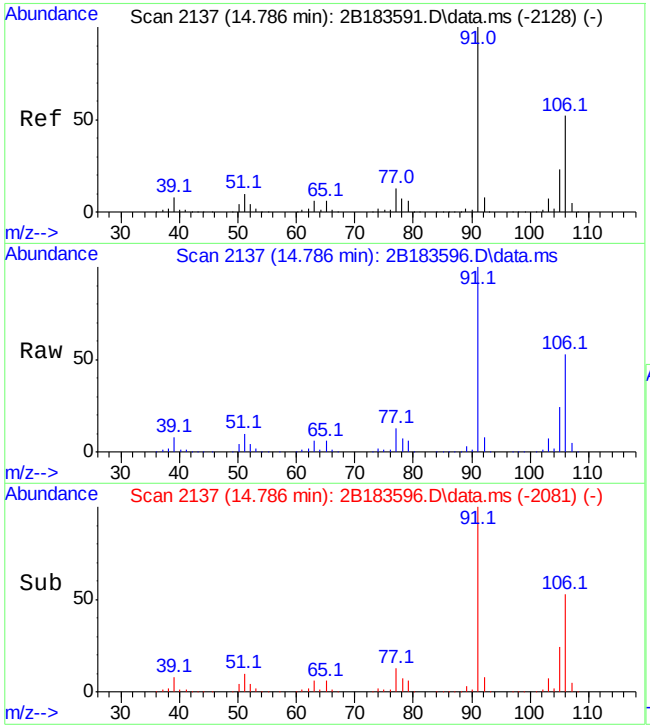


#88
ethylbenzene
Concen: 53.92 ug/L
RT: 14.671 min Scan# 2115
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 91 Resp: 722054

Ion	Ratio	Lower	Upper
91	100		
106	32.3	3.0	63.0
51	9.0	0.0	39.2

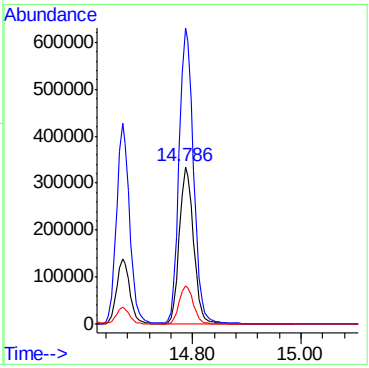


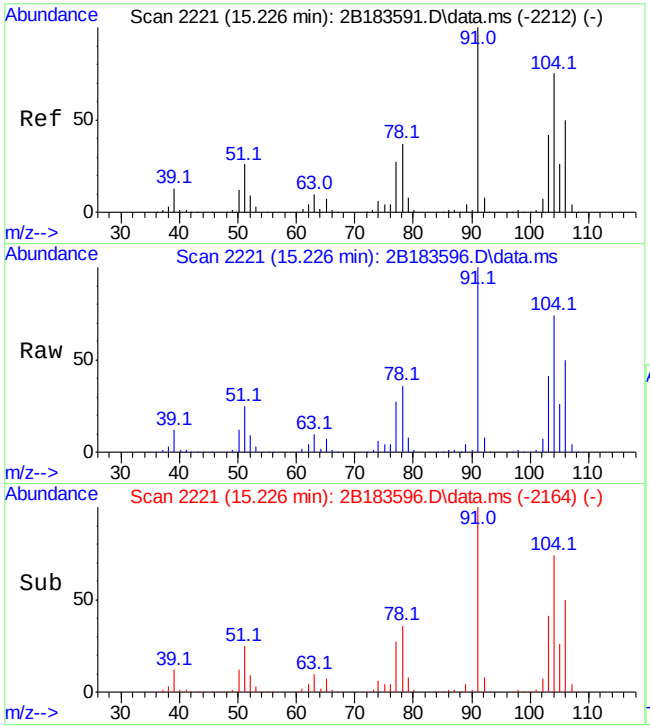


#89
m,p-xylene
Concen: 111.27 ug/L
RT: 14.786 min Scan# 2137
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:106 Resp: 601894

Ion	Ratio	Lower	Upper
106	100		
91	188.2	162.7	222.7
77	24.6	5.0	45.0

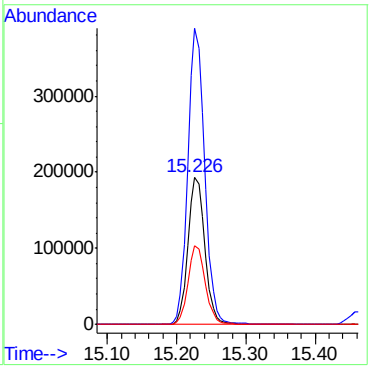


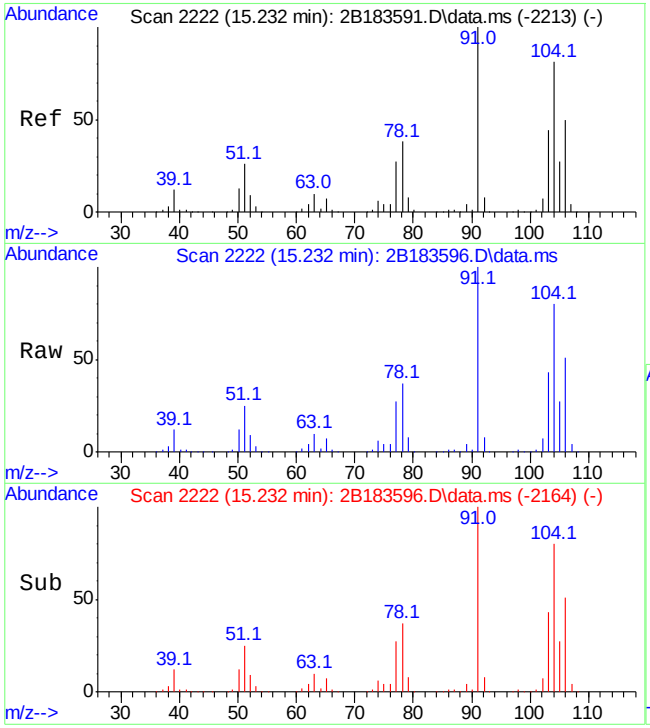


#90
o-xylene
Concen: 56.61 ug/L
RT: 15.226 min Scan# 2221
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:106 Resp: 326230

Ion	Ratio	Lower	Upper
106	100		
91	200.9	169.5	229.5
77	53.6	33.1	73.1

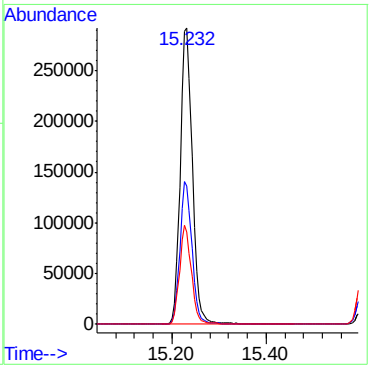


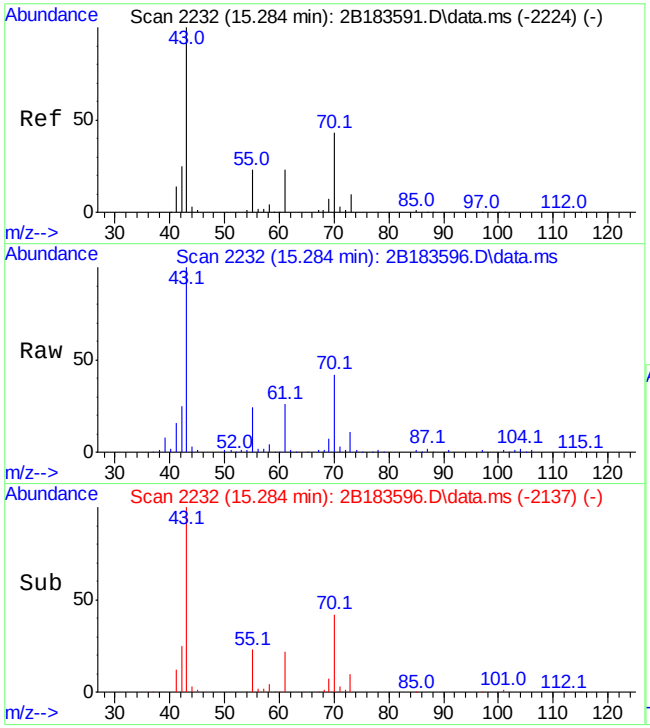


#91
styrene
Concen: 55.41 ug/L
RT: 15.232 min Scan# 2222
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:104 Resp: 522930

Ion	Ratio	Lower	Upper
104	100		
78	46.6	16.8	76.8
51	31.2	2.1	62.1

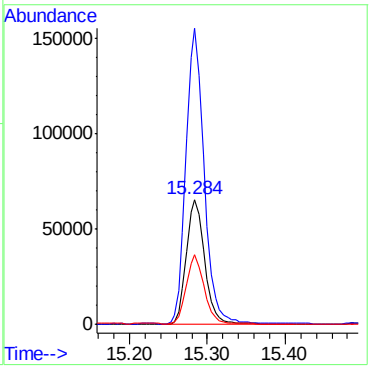


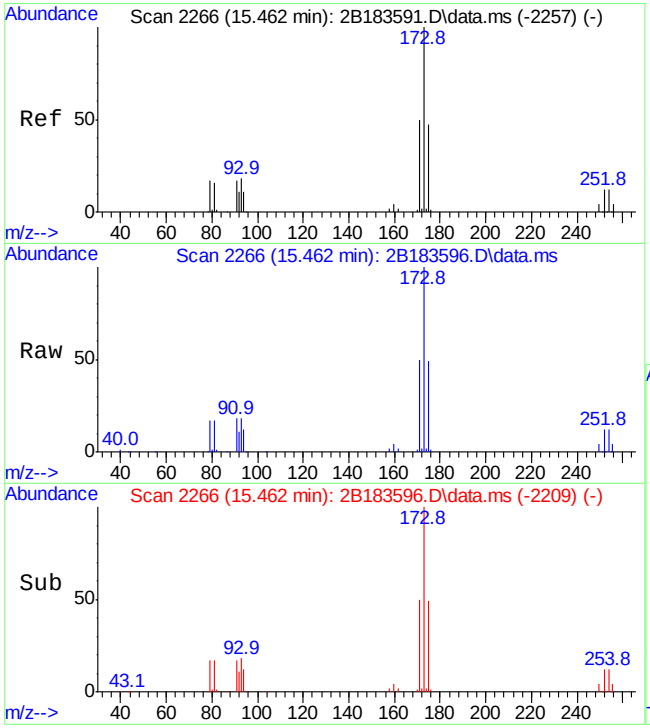


#92
n-amyl acetate
Concen: 56.70 ug/L
RT: 15.284 min Scan# 2232
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 70 Resp: 107625

Ion	Ratio	Lower	Upper
70	100		
43	236.6	202.3	262.3
55	55.6	23.6	83.6

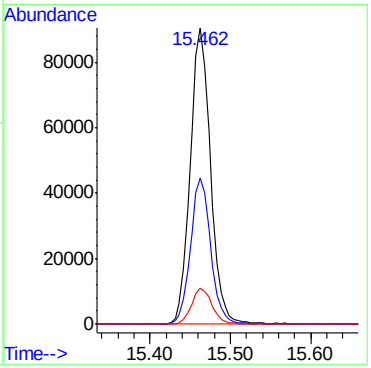


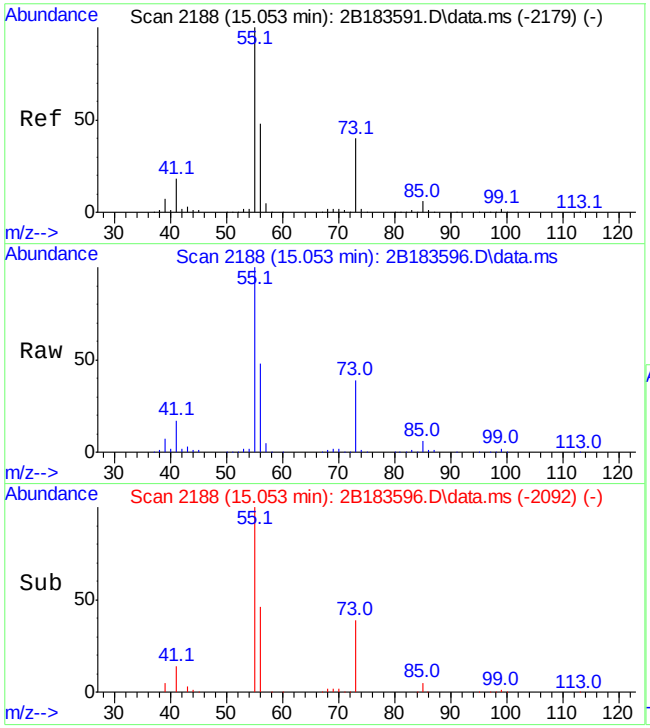


#93
bromoform
Concen: 57.39 ug/L
RT: 15.462 min Scan# 2266
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:173 Resp: 159598

Ion	Ratio	Lower	Upper
173	100		
175	49.4	17.3	77.3
254	12.1	0.0	42.0

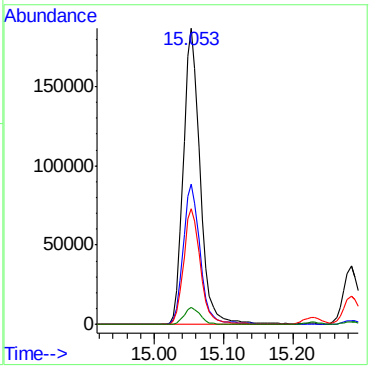


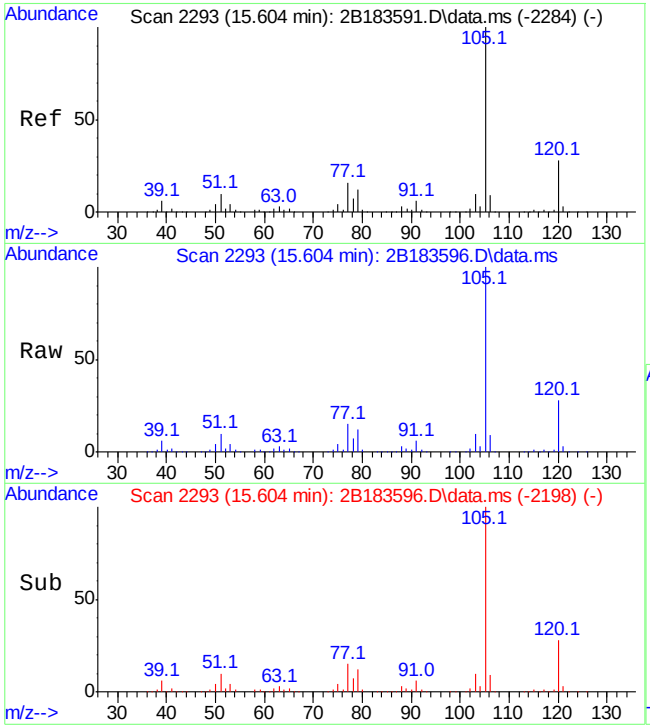


#94
butyl acrylate
Concen: 58.91 ug/L
RT: 15.053 min Scan# 2188
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 55 Resp: 313025

Ion	Ratio	Lower	Upper
55	100		
56	47.5	18.2	78.2
73	38.9	10.0	70.0
85	5.8	0.0	35.9

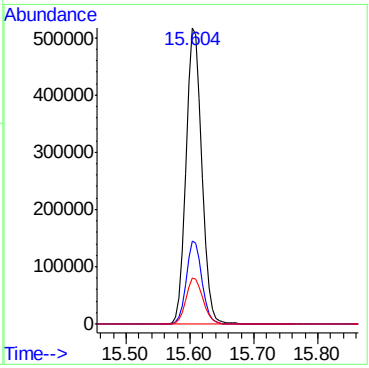


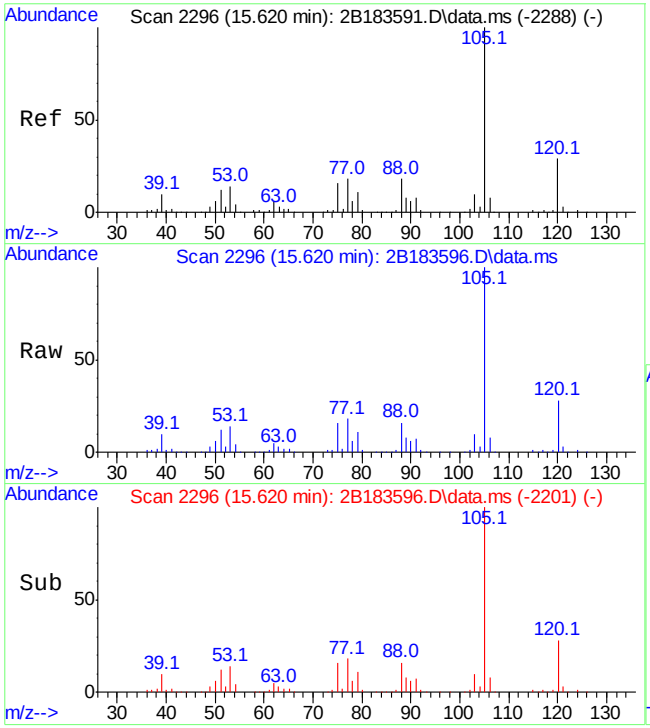


#95
isopropylbenzene
Concen: 56.06 ug/L
RT: 15.604 min Scan# 2293
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:105 Resp: 881127

Ion	Ratio	Lower	Upper
105	100		
120	28.1	7.6	47.6
77	15.5	0.0	35.7

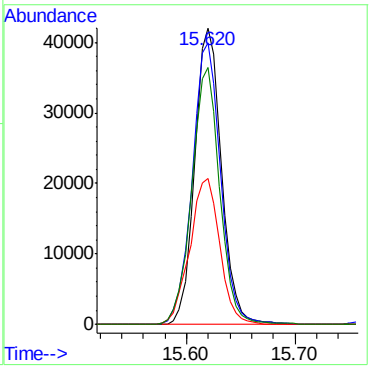


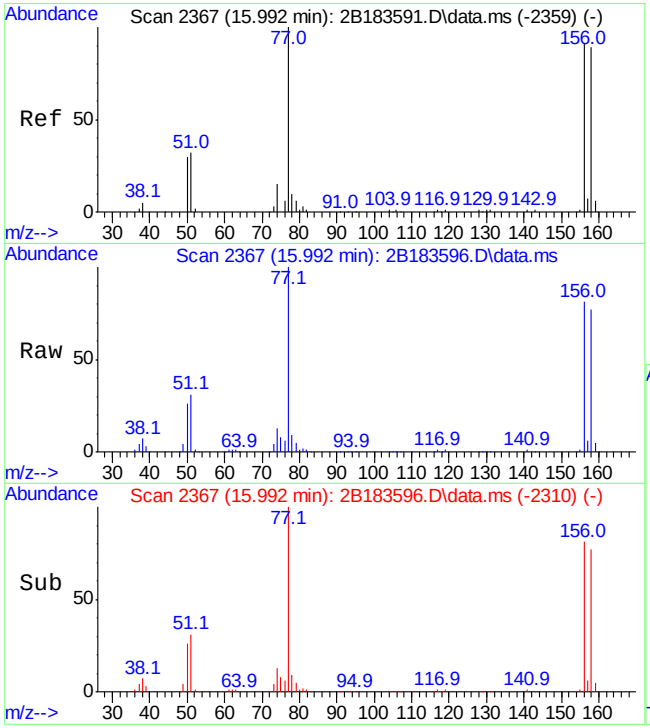


#96
cis-1,4-dichloro-2-butene
Concen: 54.74 ug/L
RT: 15.620 min Scan# 2296
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 88 Resp: 72556

Ion	Ratio	Lower	Upper
88	100		
75	95.2	74.3	114.3
89	49.3	26.9	66.9
53	86.4	62.3	102.3

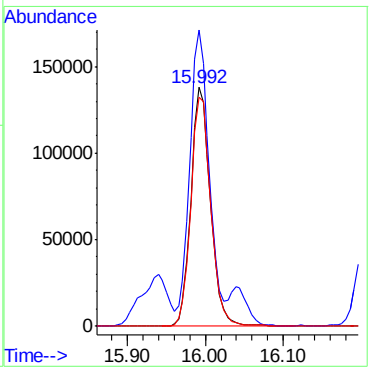


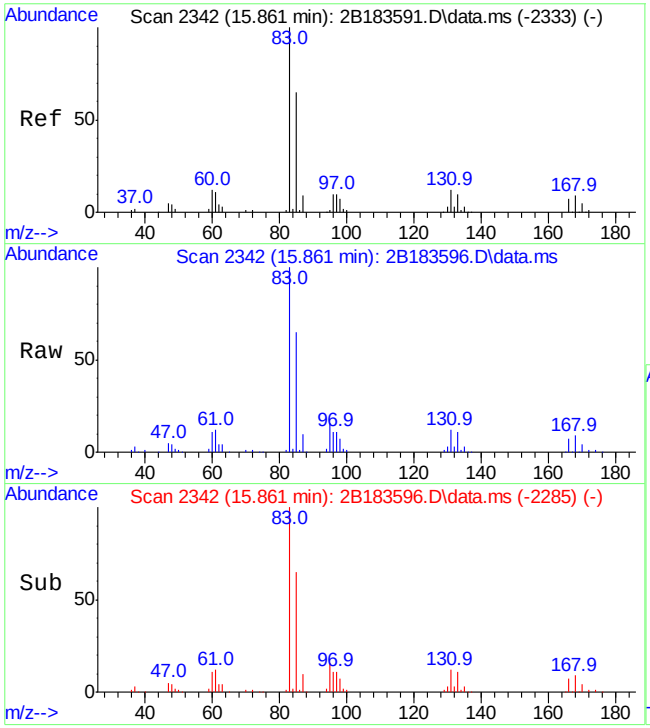


#99
bromobenzene
Concen: 56.24 ug/L
RT: 15.992 min Scan# 2367
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:156 Resp: 237868

Ion	Ratio	Lower	Upper
156	100		
77	123.7	94.4	154.4
158	95.6	68.2	128.2

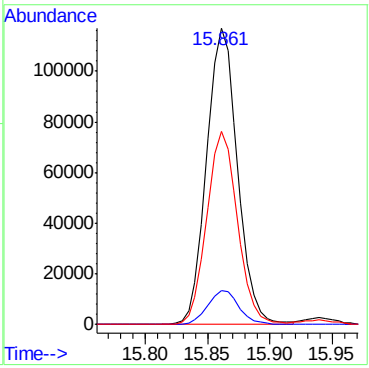


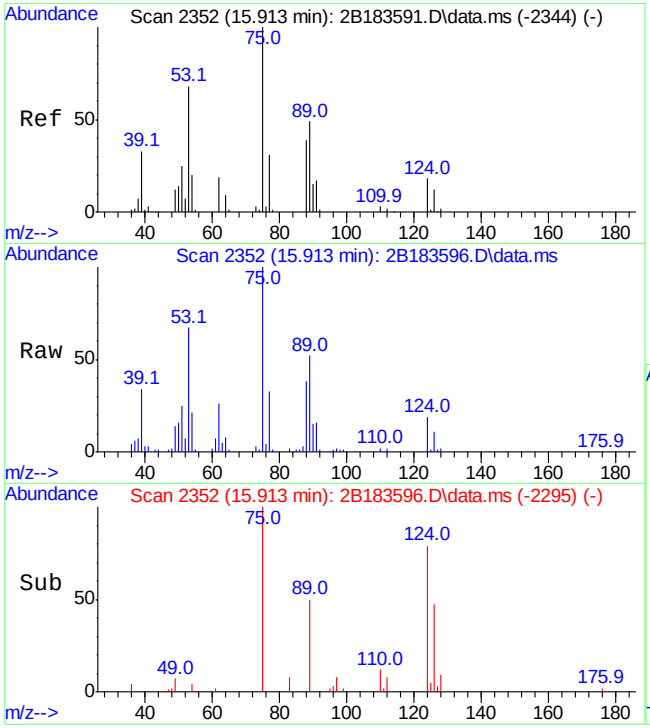


#100
1,1,2,2-tetrachloroethane
Concen: 57.82 ug/L
RT: 15.861 min Scan# 2342
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 83 Resp: 201292

Ion	Ratio	Lower	Upper
83	100		
131	11.6	0.0	41.6
85	65.1	34.8	94.8

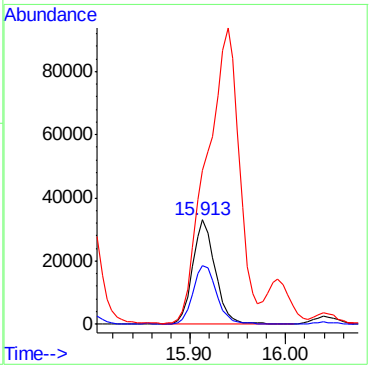


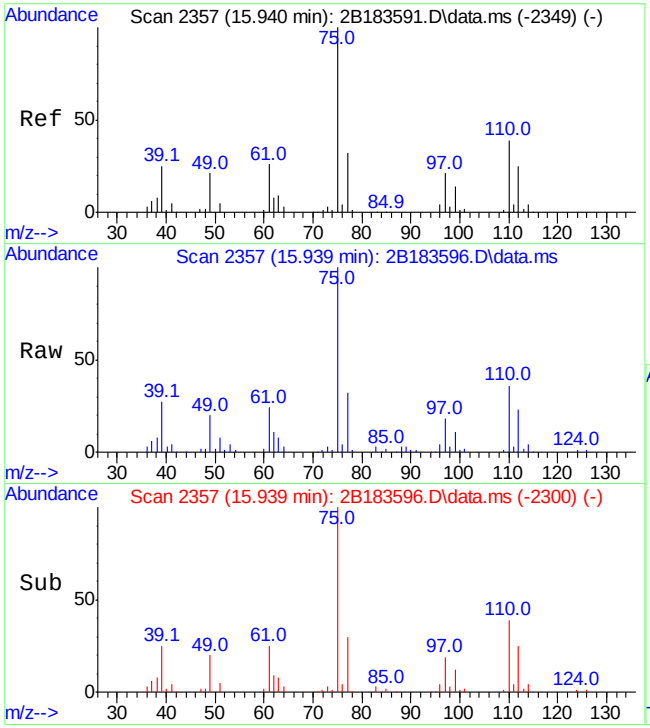


#101
trans-1,4-dichloro-2-butene
Concen: 59.61 ug/L
RT: 15.913 min Scan# 2352
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 53 Resp: 53871

Ion	Ratio	Lower	Upper
53	100		
88	56.1	26.5	86.5
75	147.6	116.8	176.8

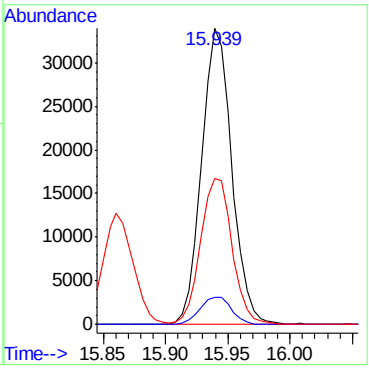


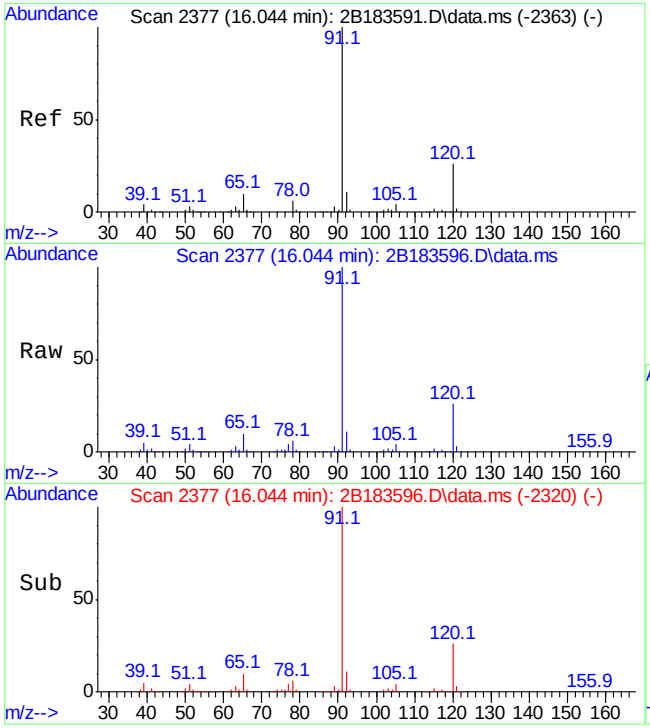


#102
1,2,3-trichloropropane
Concen: 56.29 ug/L
RT: 15.939 min Scan# 2357
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:110 Resp: 56840

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	40.7
97	49.1	23.2	83.2

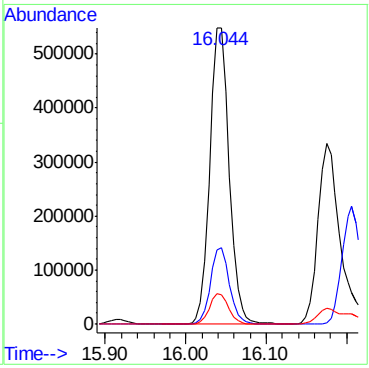


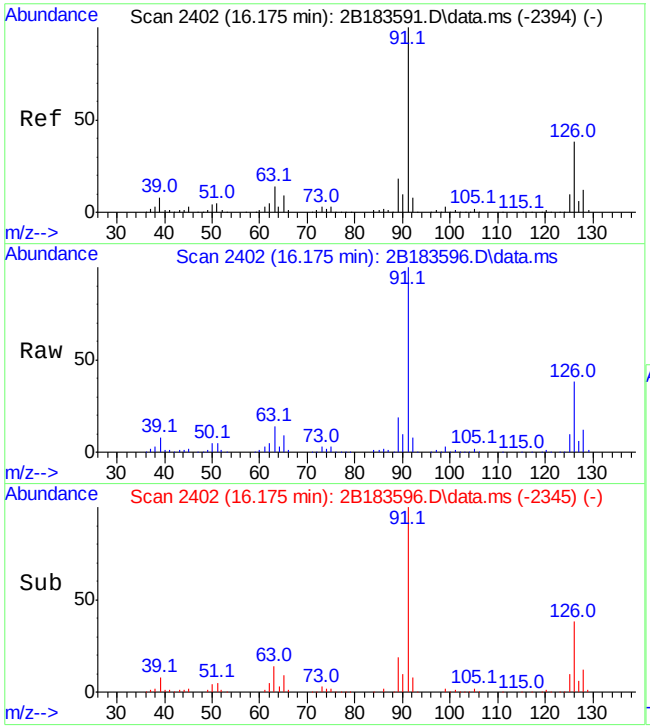


#103
n-propylbenzene
Concen: 56.92 ug/L
RT: 16.044 min Scan# 2377
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 91 Resp: 921694

Ion	Ratio	Lower	Upper
91	100		
120	25.7	0.0	55.5
65	9.9	0.0	39.9

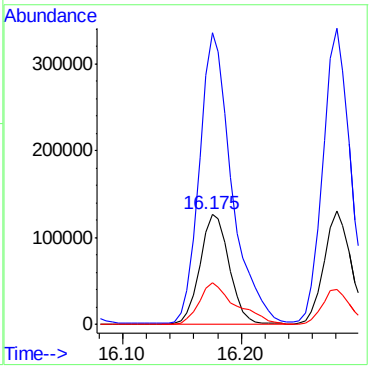


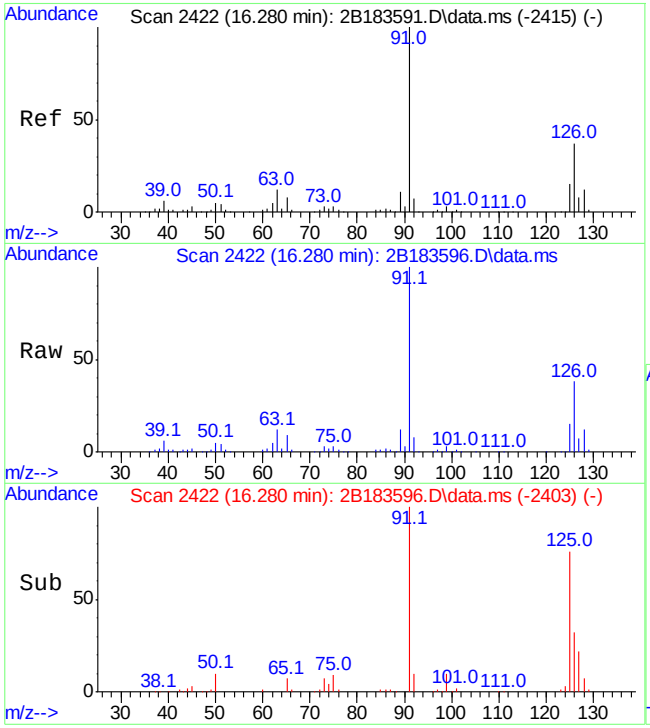


#104
2-chlorotoluene
Concen: 57.05 ug/L
RT: 16.175 min Scan# 2402
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:126 Resp: 217714

Ion	Ratio	Lower	Upper
126	100		
91	263.5	233.1	293.1
63	37.2	6.5	66.5

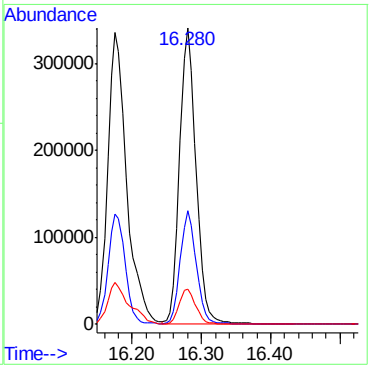


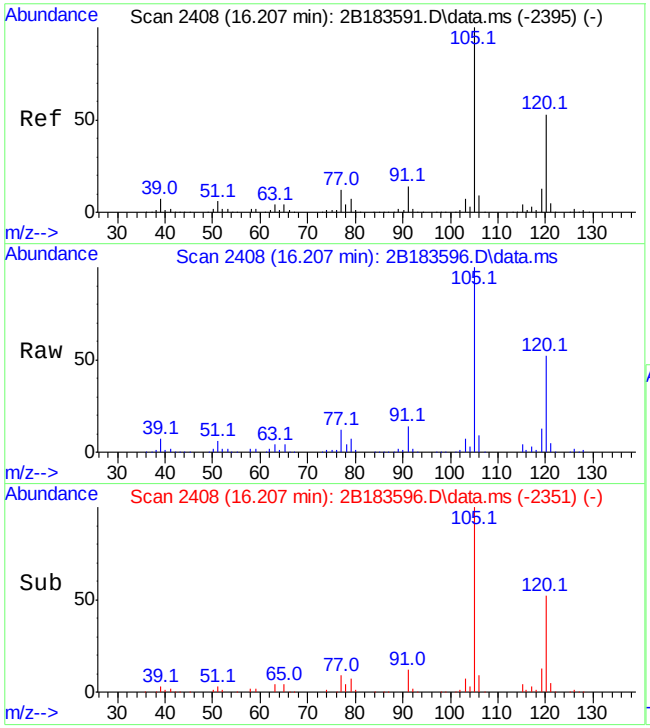


#105
4-chlorotoluene
Concen: 54.73 ug/L
RT: 16.280 min Scan# 2422
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 91 Resp: 558934

Ion	Ratio	Lower	Upper
91	100		
126	38.2	7.4	67.4
63	11.9	0.0	42.1

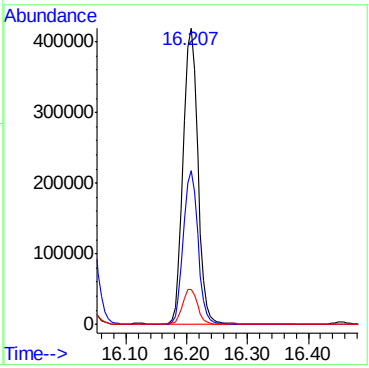


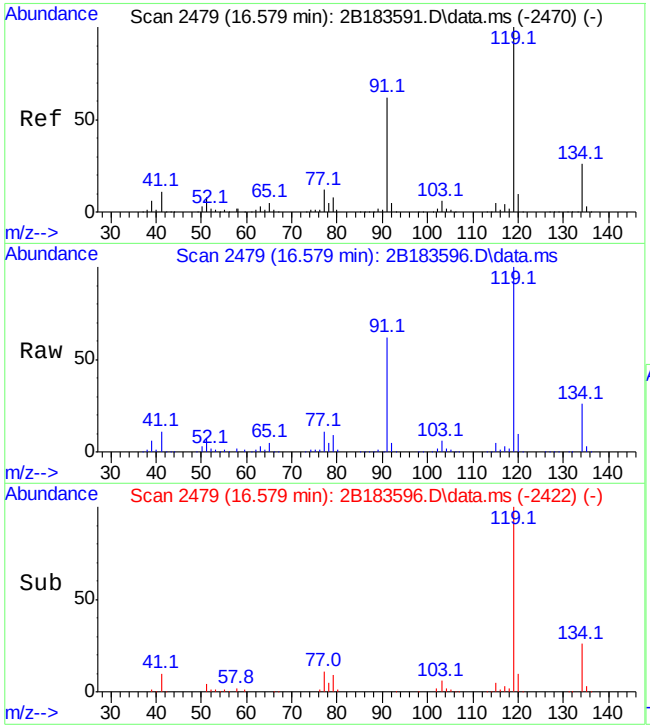


#106
1,3,5-trimethylbenzene
Concen: 57.08 ug/L
RT: 16.207 min Scan# 2408
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:105 Resp: 698945

Ion	Ratio	Lower	Upper
105	100		
120	52.1	22.7	82.7
77	12.0	0.0	42.1

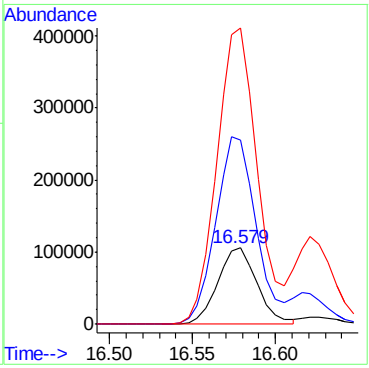


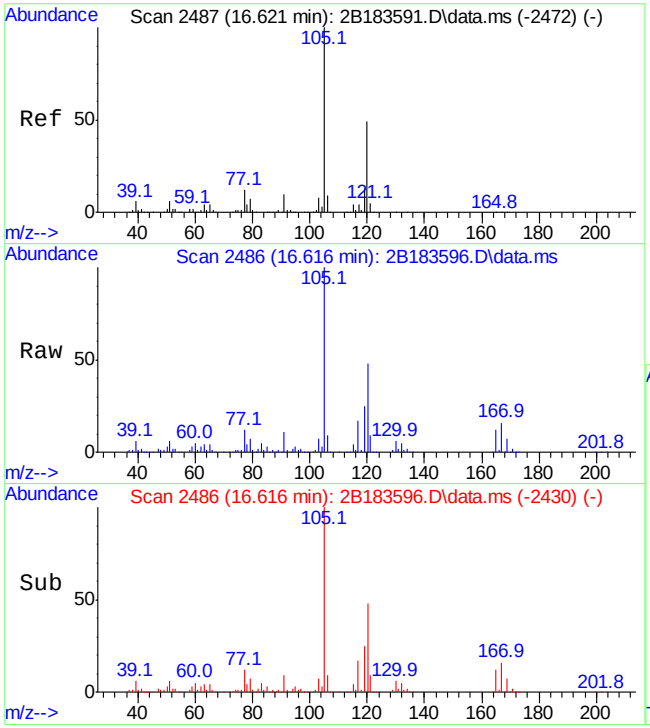


#107
tert-butylbenzene
Concen: 59.63 ug/L
RT: 16.579 min Scan# 2479
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:134 Resp: 173545

Ion	Ratio	Lower	Upper
134	100		
91	241.8	208.1	268.1
119	389.3	353.9	413.9

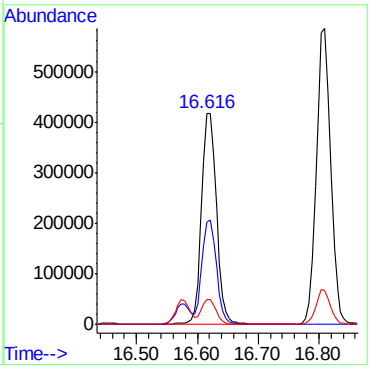


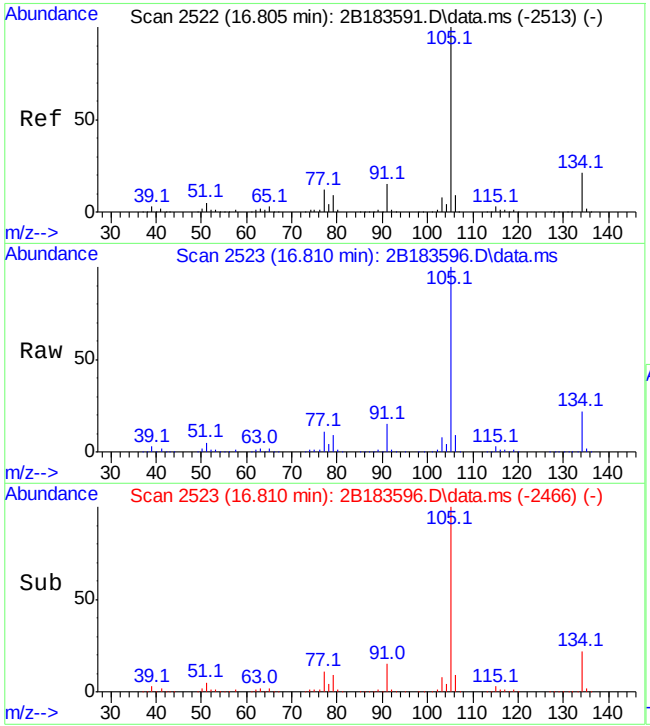


#108
1,2,4-trimethylbenzene
Concen: 55.97 ug/L
RT: 16.616 min Scan# 2486
Delta R.T. -0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:105 Resp: 713207

Ion	Ratio	Lower	Upper
105	100		
120	48.3	19.5	79.5
77	11.9	0.0	41.6

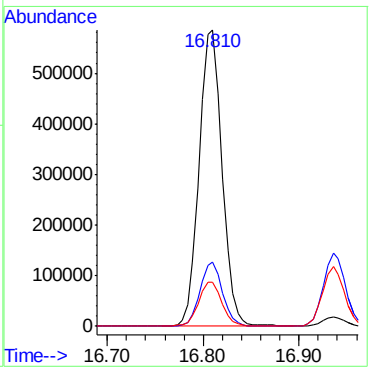


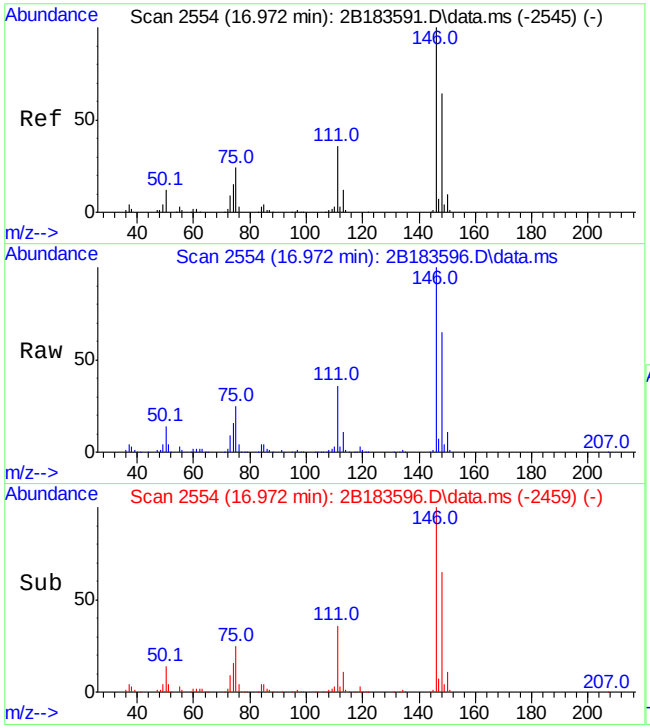


#109
sec-butylbenzene
Concen: 57.26 ug/L
RT: 16.810 min Scan# 2523
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:105 Resp: 970148

Ion	Ratio	Lower	Upper
105	100		
134	21.6	0.0	50.9
91	14.9	0.0	44.9

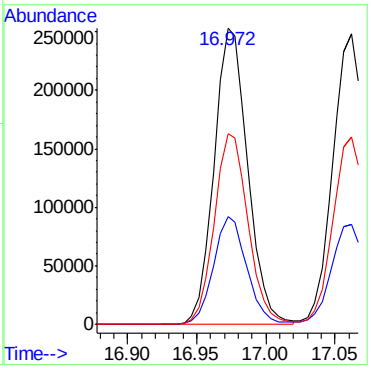


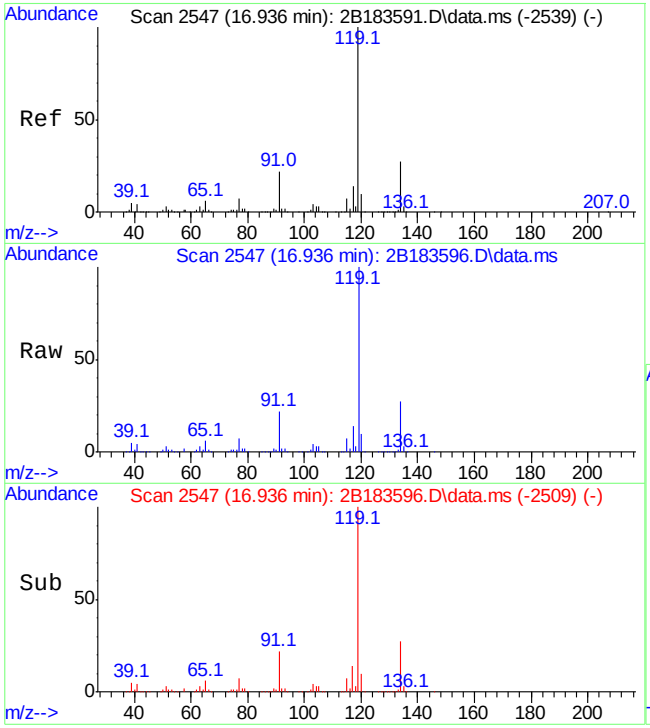


#110
1,3-dichlorobenzene
Concen: 54.05 ug/L
RT: 16.972 min Scan# 2554
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:146 Resp: 430339

Ion	Ratio	Lower	Upper
146	100		
111	36.4	6.0	66.0
148	64.6	34.1	94.1

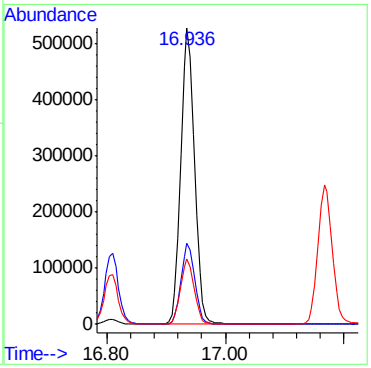


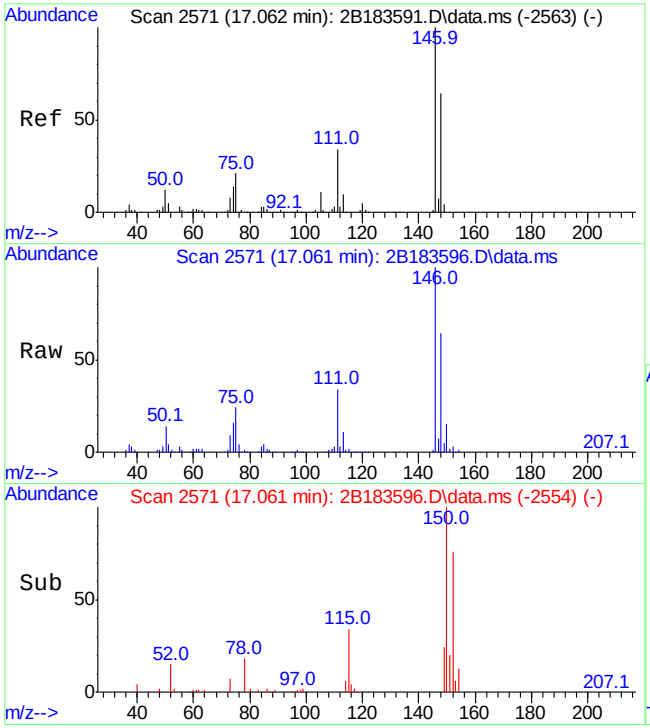


#111
p-isopropyltoluene
Concen: 57.18 ug/L
RT: 16.936 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:119 Resp: 849349

Ion	Ratio	Lower	Upper
119	100		
134	27.5	0.0	57.2
91	22.1	0.0	51.8

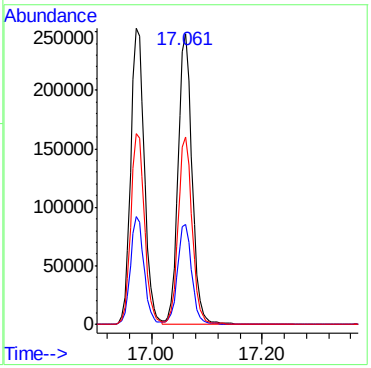


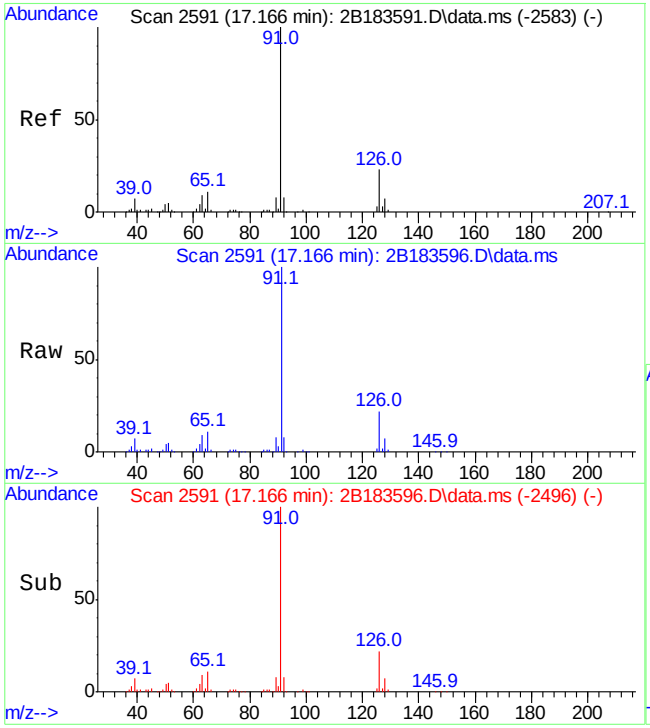


#112
1,4-dichlorobenzene
Concen: 55.19 ug/L
RT: 17.061 min Scan# 2571
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:146 Resp: 431132

Ion	Ratio	Lower	Upper
146	100		
111	34.3	4.0	64.0
148	64.4	34.3	94.3

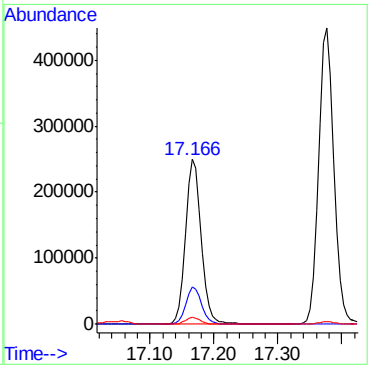


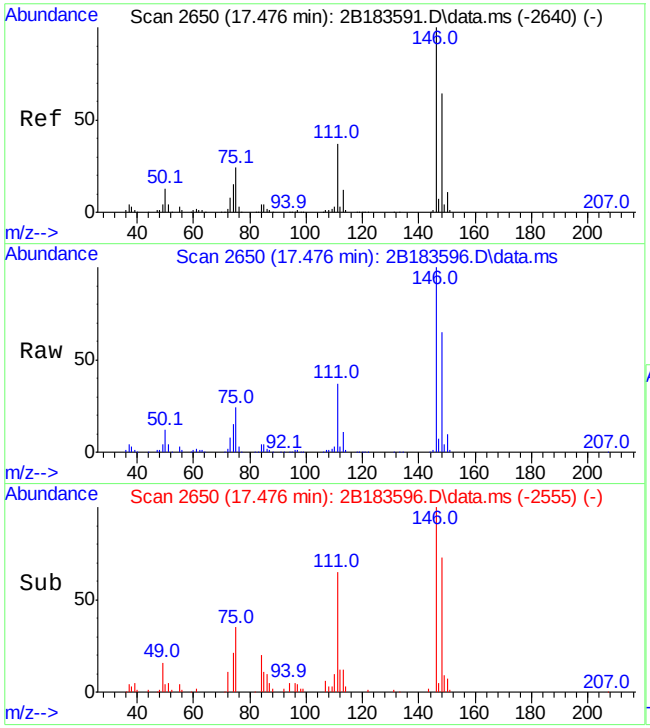


#113
benzyl chloride
Concen: 59.31 ug/L
RT: 17.166 min Scan# 2591
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 91 Resp: 423401

Ion	Ratio	Lower	Upper
91	100		
126	22.2	0.0	52.7
62	3.8	0.0	34.0

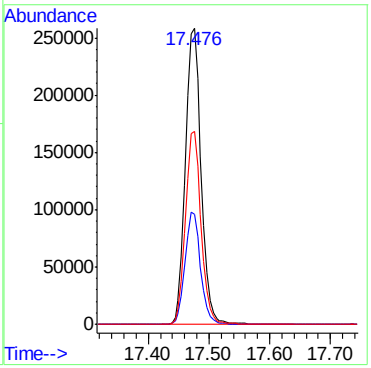


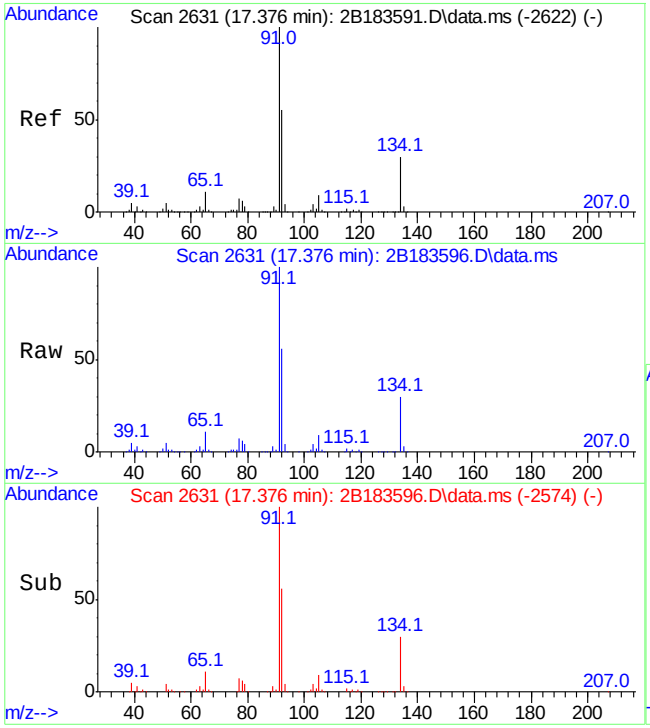


#115
1,2-dichlorobenzene
Concen: 58.06 ug/L
RT: 17.476 min Scan# 2650
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:146 Resp: 461607

Ion	Ratio	Lower	Upper
146	100		
111	37.0	6.6	66.6
148	65.0	34.3	94.3

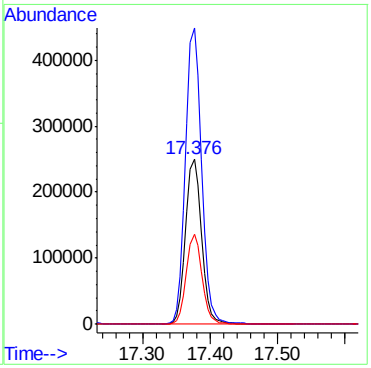


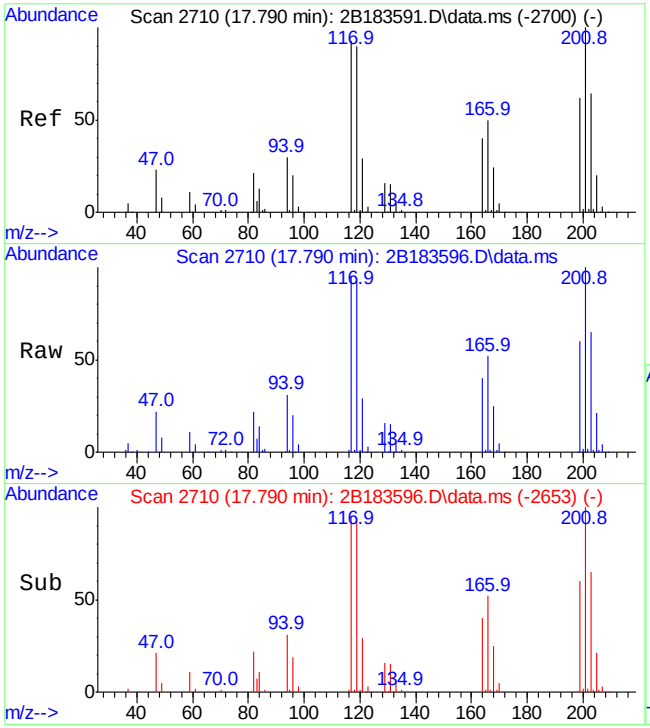


#116
n-butylbenzene
Concen: 58.90 ug/L
RT: 17.376 min Scan# 2631
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 92 Resp: 411121

Ion	Ratio	Lower	Upper
92	100		
91	179.1	150.9	210.9
134	54.6	23.6	83.6

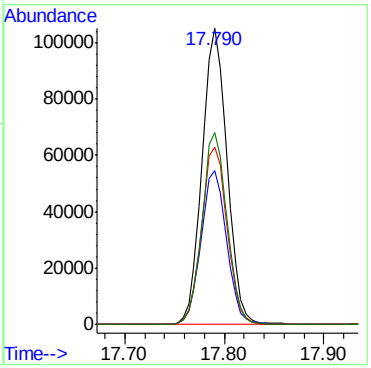


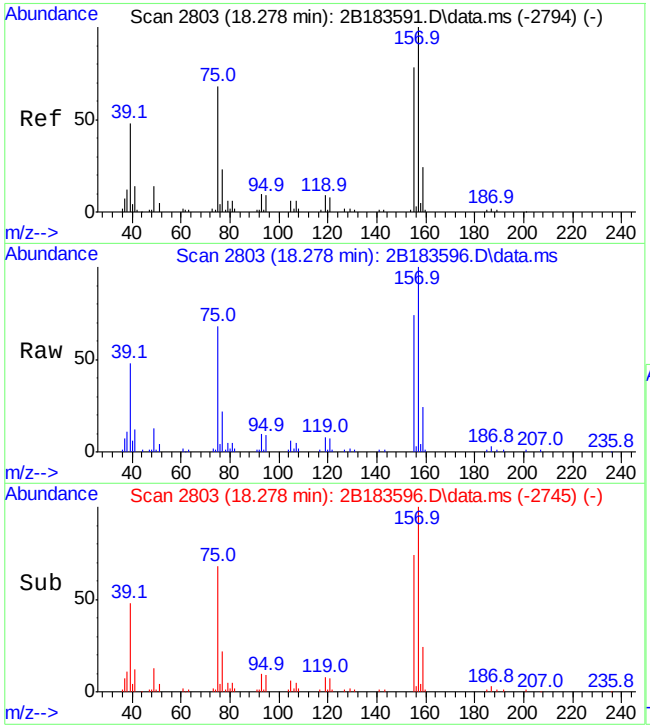


#117
hexachloroethane
Concen: 59.43 ug/L
RT: 17.790 min Scan# 2710
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:201 Resp: 183126

Ion	Ratio	Lower	Upper
201	100		
166	51.8	30.5	70.5
199	59.8	42.1	82.1
203	64.6	44.3	84.3

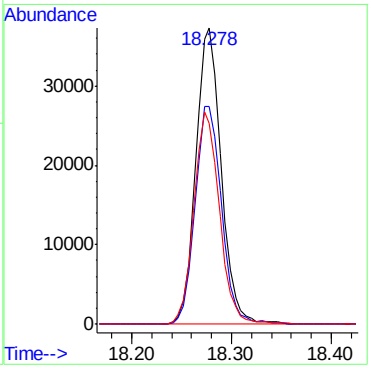


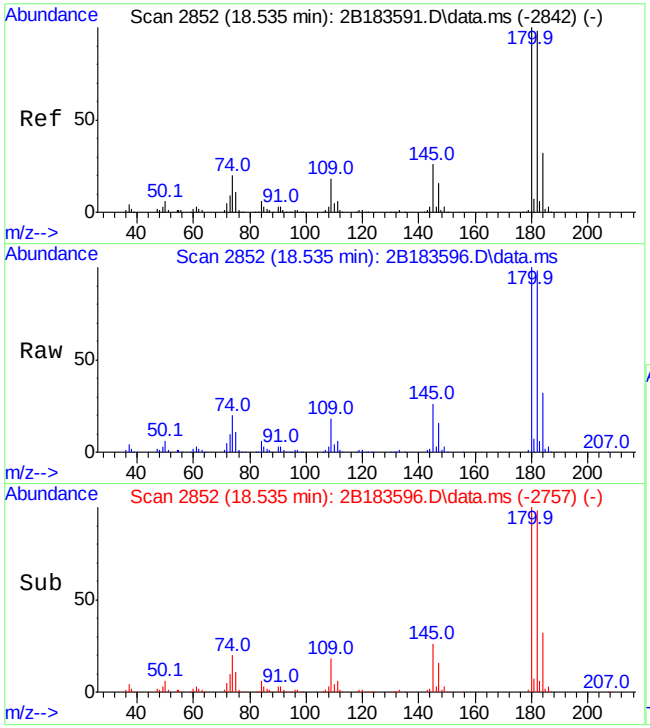


#118
1,2-dibromo-3-chloropropane
Concen: 61.11 ug/L
RT: 18.278 min Scan# 2803
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:157 Resp: 65755

Ion	Ratio	Lower	Upper
157	100		
155	73.6	47.6	107.6
75	67.9	38.4	98.4

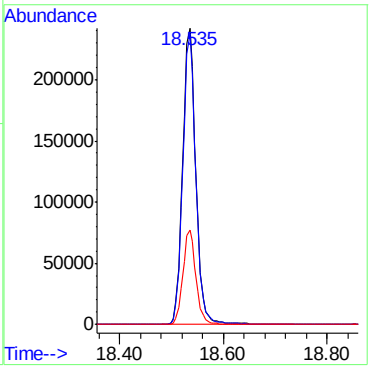


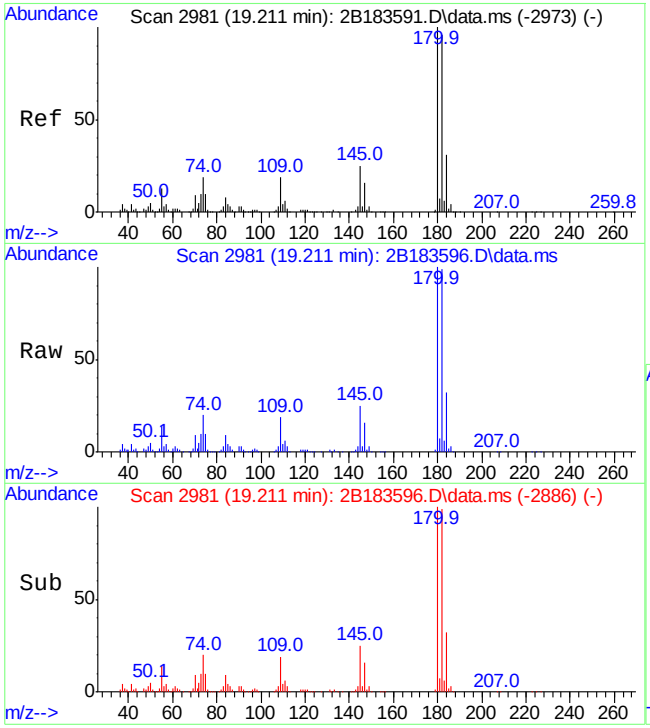


#119
1,3,5-trichlorobenzene
Concen: 60.97 ug/L
RT: 18.535 min Scan# 2852
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:180 Resp: 427645

Ion	Ratio	Lower	Upper
180	100		
182	98.0	67.9	127.9
184	31.7	1.5	61.5

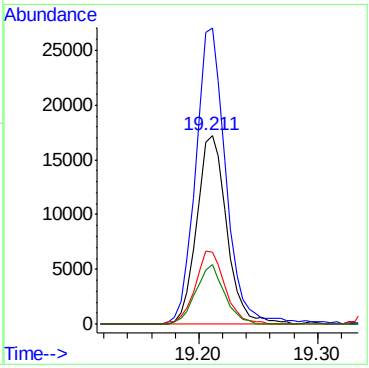


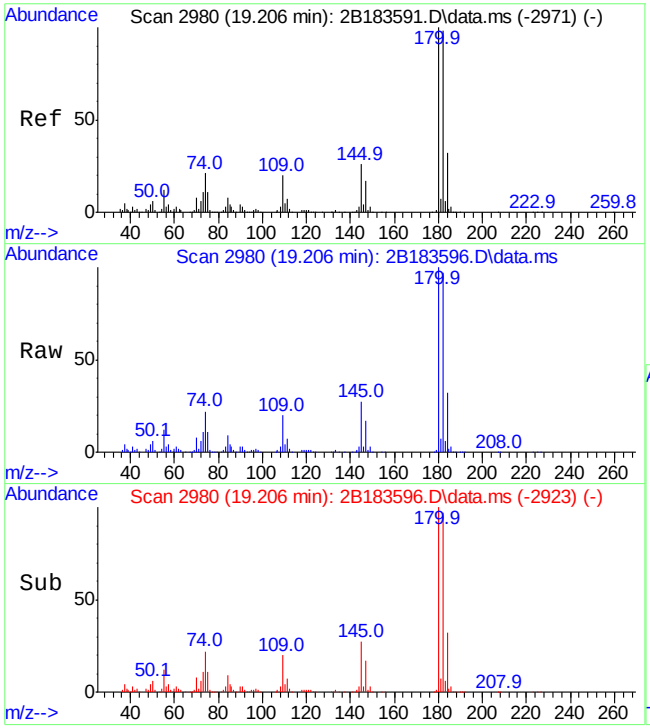


#120
2-ethylhexyl acrylate
Concen: 11.27 ug/L
RT: 19.211 min Scan# 2981
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion: 70 Resp: 30222

Ion	Ratio	Lower	Upper
70	100		
55	157.0	127.3	167.3
83	38.1	16.1	56.1
112	31.5	7.1	47.1

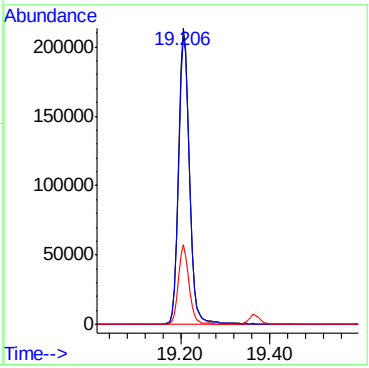


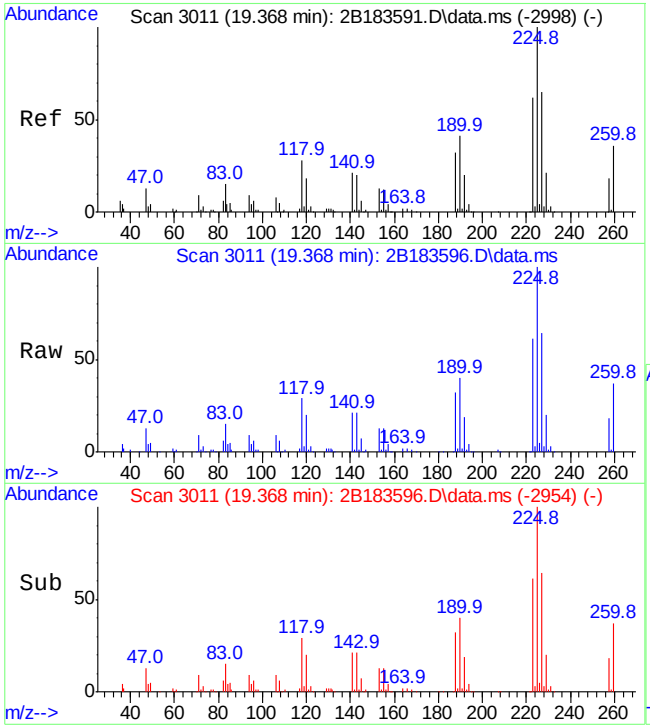


#121
1,2,4-trichlorobenzene
Concen: 59.51 ug/L
RT: 19.206 min Scan# 2980
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:180 Resp: 377828

Ion	Ratio	Lower	Upper
180	100		
182	97.2	68.2	128.2
145	26.8	0.0	56.2

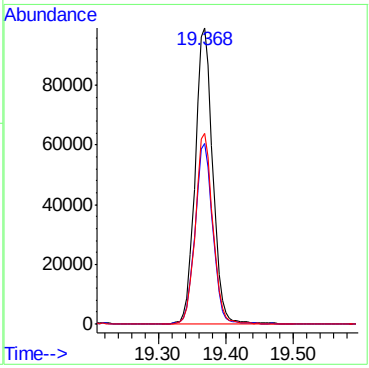


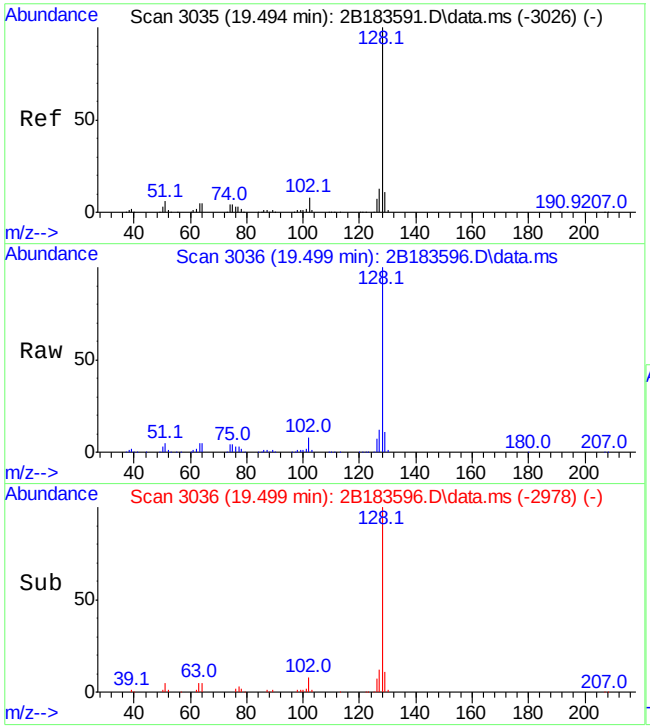


#122
hexachlorobutadiene
Concen: 55.15 ug/L
RT: 19.368 min Scan# 3011
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:225 Resp: 179707

Ion	Ratio	Lower	Upper
225	100		
223	61.1	32.1	92.1
227	64.3	34.7	94.7

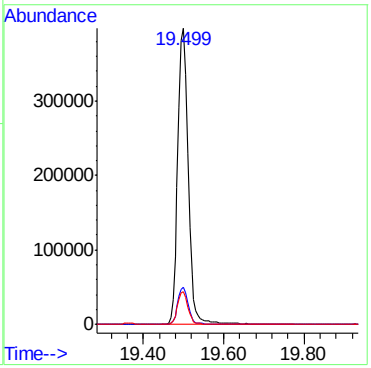


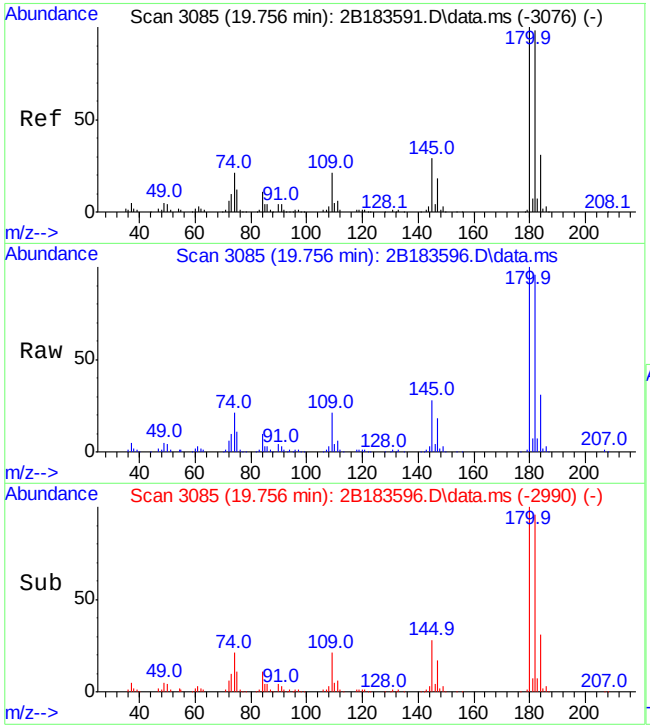


#123
naphthalene
Concen: 59.16 ug/L
RT: 19.499 min Scan# 3036
Delta R.T. 0.005 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:128 Resp: 718162

Ion	Ratio	Lower	Upper
128	100		
127	12.4	0.0	42.6
129	10.8	0.0	41.2

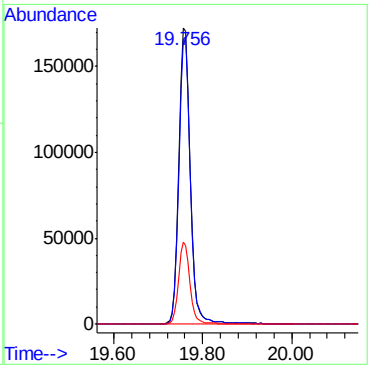


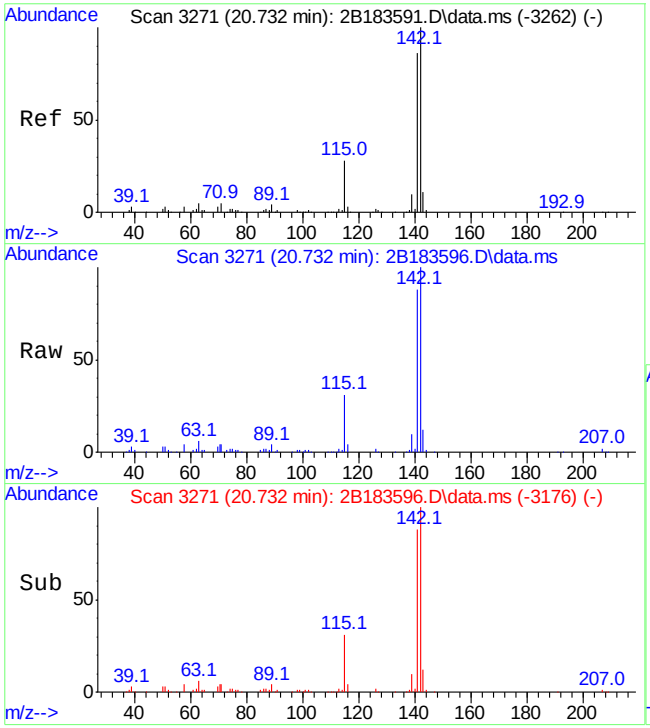


#124
1,2,3-trichlorobenzene
Concen: 59.71 ug/L
RT: 19.756 min Scan# 3085
Delta R.T. 0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:180 Resp: 320260

Ion	Ratio	Lower	Upper
180	100		
182	96.4	68.2	128.2
145	27.6	0.0	58.6

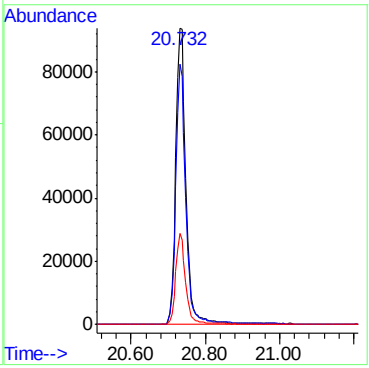




#125
2-methylnaphthalene
Concen: 27.22 ug/L
RT: 20.732 min Scan# 3271
Delta R.T. -0.000 min
Lab File: 2B183596.D
Acq: 16 Jun 21 11:44 pm

Tgt Ion:142 Resp: 178939

Ion	Ratio	Lower	Upper
142	100		
141	87.8	66.0	106.0
115	30.6	8.1	48.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183597.D
Acq On : 17 Jun 2021 12:12 am
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 17 19:02:32 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

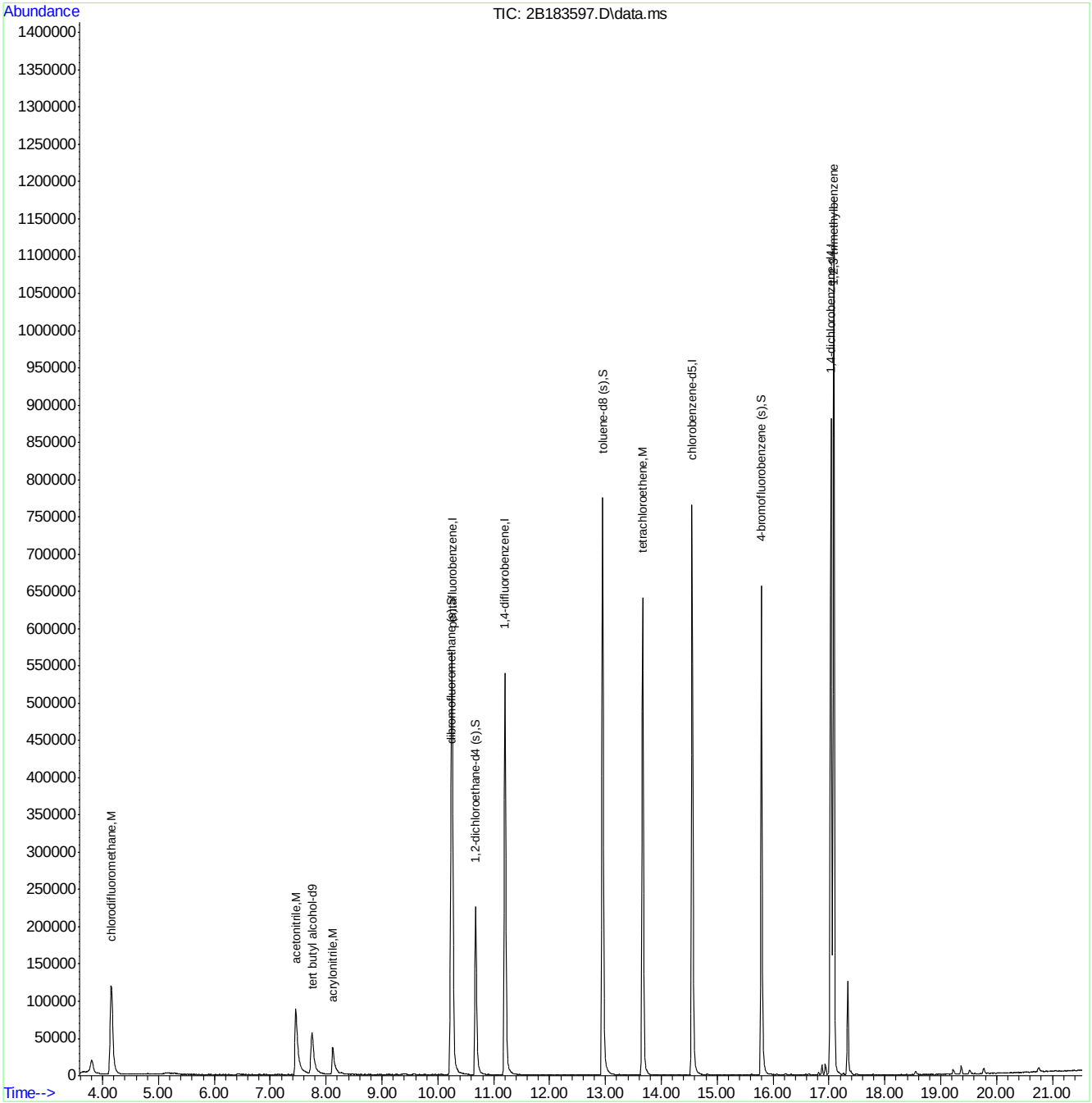
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	128124	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	399324	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	533181	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	488342	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.035	152	278163	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.235	113	180845	50.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.36%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	189625	51.37	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.74%			
74) toluene-d8 (s)	12.951	98	605667	51.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.86%			
98) 4-bromofluorobenzene (s)	15.793	95	230623	49.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.42%			
Target Compounds						Qvalue
6) chlorodifluoromethane	4.153	51	288066	58.65	ug/L	89
19) acetonitrile	7.456	41	173890	540.53	ug/L	99
30) acrylonitrile	8.111	52	43121	59.77	ug/L	94
79) tetrachloroethene	13.669	164	174132	57.37	ug/L	100
114) 1,2,3-trimethylbenzene	17.088	105	728247	54.70	ug/L	99

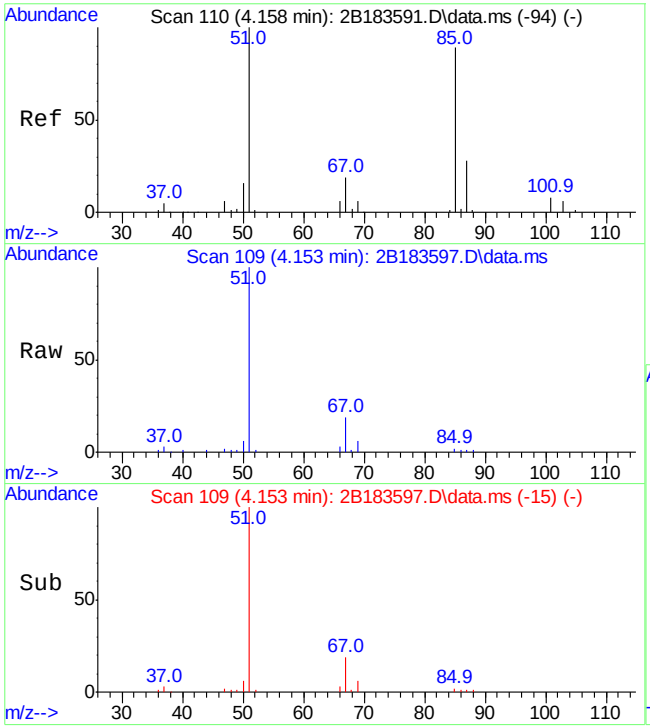
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V2B8337\
Data File : 2B183597.D
Acq On : 17 Jun 2021 12:12 am
Operator : thienn
Sample : icv8337-50
Misc : MS51064,V2B8337,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 17 19:02:32 2021
Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Thu Jun 17 19:00:23 2021
Response via : Initial Calibration

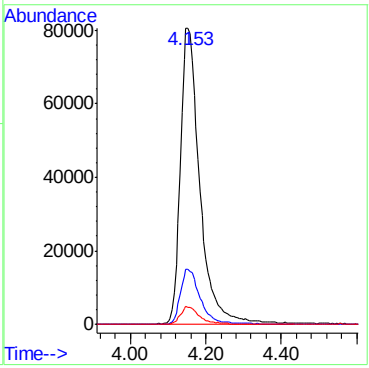


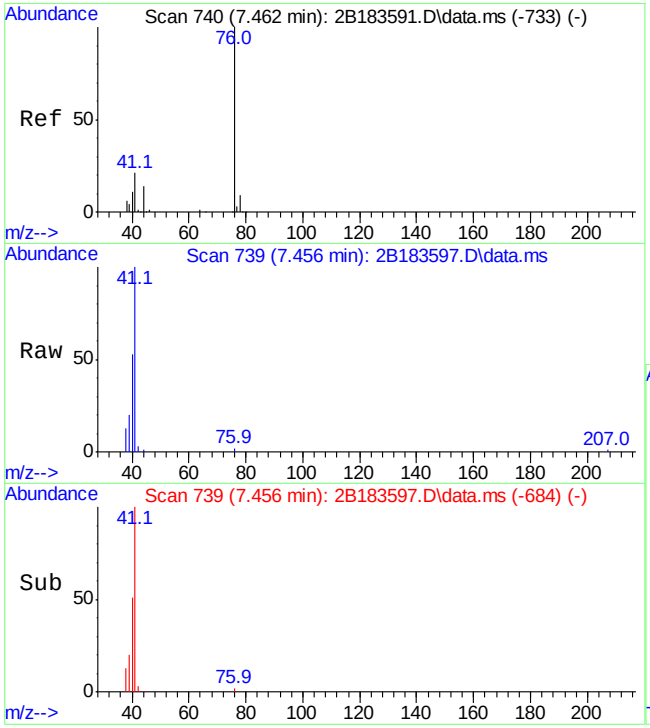


#6
chlorodifluoromethane
Concen: 58.65 ug/L
RT: 4.153 min Scan# 109
Delta R.T. -0.005 min
Lab File: 2B183597.D
Acq: 17 Jun 21 12:12 am

Tgt Ion: 51 Resp: 288066

Ion	Ratio	Lower	Upper
51	100		
67	18.6	0.0	48.7
50	5.7	0.0	45.8

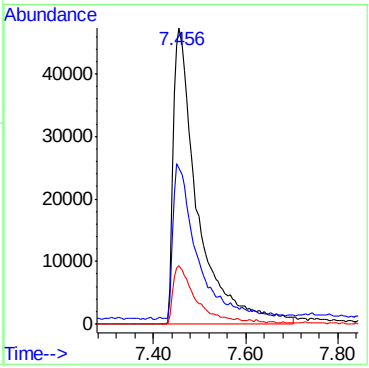


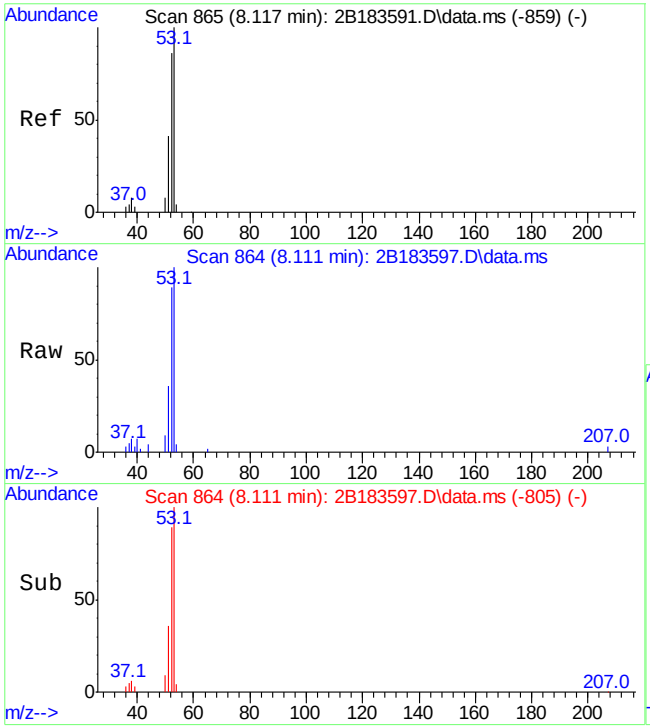


#19
acetonitrile
Concen: 540.53 ug/L
RT: 7.456 min Scan# 739
Delta R.T. 0.010 min
Lab File: 2B183597.D
Acq: 17 Jun 21 12:12 am

Tgt Ion: 41 Resp: 173890

Ion	Ratio	Lower	Upper
41	100		
40	50.6	21.2	81.2
39	19.7	0.0	51.1

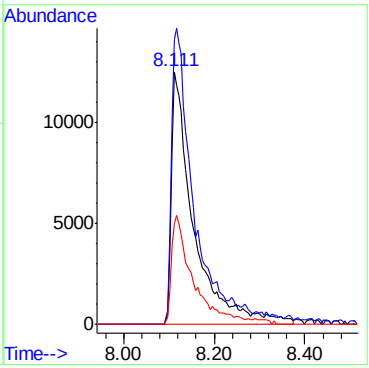


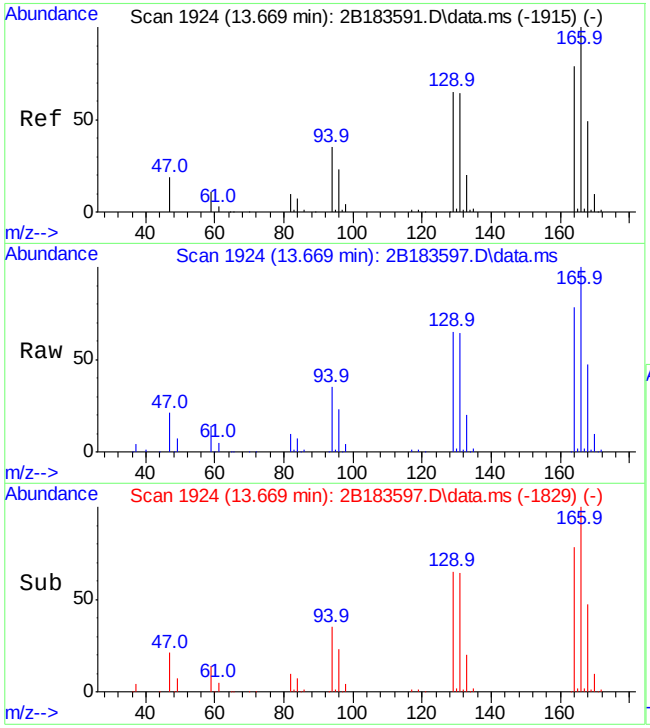


#30
acrylonitrile
Concen: 59.77 ug/L
RT: 8.111 min Scan# 864
Delta R.T. 0.010 min
Lab File: 2B183597.D
Acq: 17 Jun 21 12:12 am

Tgt Ion: 52 Resp: 43121

Ion	Ratio	Lower	Upper
52	100		
53	112.6	86.6	146.6
51	40.0	17.8	77.8

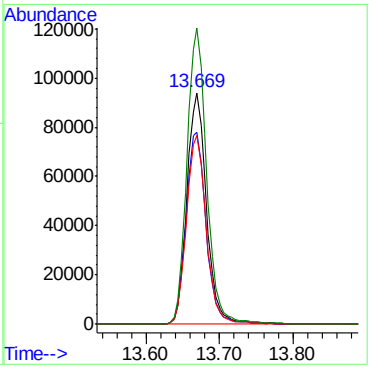


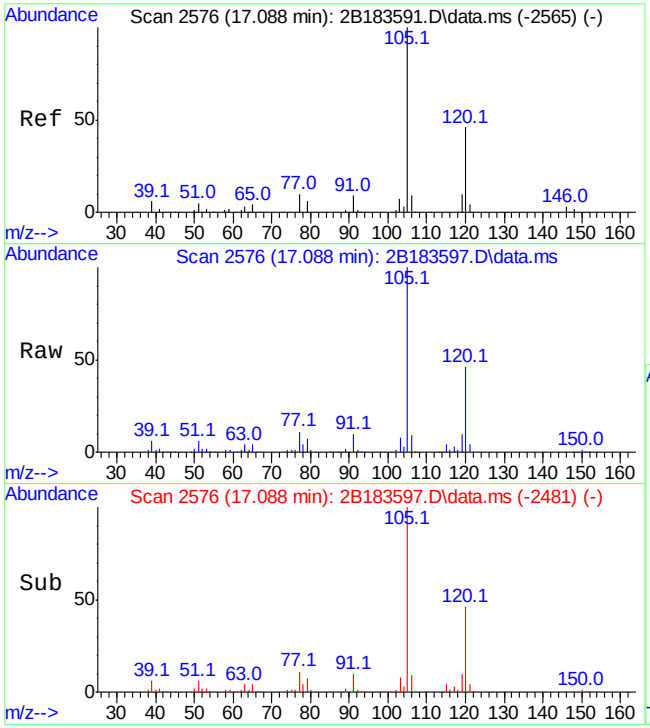


#79
tetrachloroethene
Concen: 57.37 ug/L
RT: 13.669 min Scan# 1924
Delta R.T. -0.000 min
Lab File: 2B183597.D
Acq: 17 Jun 21 12:12 am

Tgt Ion:164 Resp: 174132

Ion	Ratio	Lower	Upper
164	100		
129	83.1	52.8	112.8
131	81.6	51.2	111.2
166	128.0	97.3	157.3

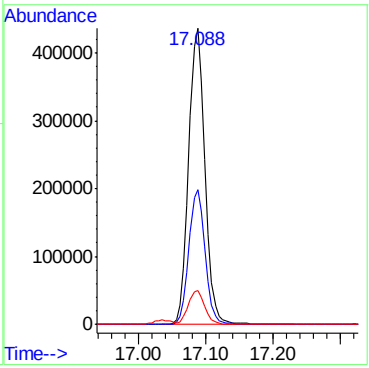




#114
1,2,3-trimethylbenzene
Concen: 54.70 ug/L
RT: 17.088 min Scan# 2576
Delta R.T. -0.000 min
Lab File: 2B183597.D
Acq: 17 Jun 21 12:12 am

Tgt Ion:105 Resp: 728247

Ion	Ratio	Lower	Upper
105	100		
120	45.7	16.3	76.3
77	11.4	0.0	41.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185528.d
Acq On : 31 Aug 2021 7:47 am
Operator : thienn
Sample : CC8337-50 Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:12:31 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	7.750	65	109744	500.00	ug/L	0.00
5) pentafluorobenzene	10.256	168	429561	50.00	ug/L	0.00
51) 1,4-difluorobenzene	11.200	114	577233	50.00	ug/L	0.00
73) chlorobenzene-d5	14.550	117	583145	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	17.030	152	306014	50.00	ug/L	0.00
126) pentafluorobenzene(a)	10.256	168	429561	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	17.030	152	306014	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	10.230	113	181209	47.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.42%			
52) 1,2-dichloroethane-d4 (s)	10.675	65	168382	42.13	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 84.26%			
74) toluene-d8 (s)	12.946	98	663439	47.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.36%			
98) 4-bromofluorobenzene (s)	15.787	95	256635	50.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.58%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	7.891	59	67206	276.31	ug/L	99
3) ethanol	6.355	45	145936	7019.12	ug/L	98
4) 1,4-dioxane	11.934	88	34412	1711.51	ug/L	89
6) chlorodifluoromethane	4.169	51	257124	48.66	ug/L	96
7) dichlorodifluoromethane	4.148	85	335333	47.36	ug/L	98
8) chloromethane	4.567	50	314285	47.58	ug/L	97
9) vinyl chloride	4.814	62	286432	46.47	ug/L	97
10) 1,3-butadiene	4.845	54	222369	52.22	ug/L	99
11) bromomethane	5.469	94	208302	46.91	ug/L	98
12) chloroethane	5.642	64	152449	49.97	ug/L	97
13) trichlorofluoromethane	6.140	101	349682	47.42	ug/L	95
14) ethyl ether	6.612	74	87454	47.79	ug/L	100
15) acrolein	6.822	56	28939	48.56	ug/L	97
16) freon 113	7.084	151	183709	49.27	ug/L	97
17) 1,1-dichloroethene	7.042	96	163560	51.05	ug/L	96
18) acetone	7.031	43	407040	487.97	ug/L	95
19) acetonitrile	7.461	41	150966	436.24	ug/L	100
20) iodomethane	7.309	142	357610	50.14	ug/L	98
21) carbon disulfide	7.472	76	556655	50.87	ug/L	96
22) methylene chloride	7.786	84	185336	53.94	ug/L	99
23) methyl acetate	7.608	43	92220	40.53	ug/L	100
24) methyl tert butyl ether	8.243	73	445439	43.23	ug/L	100
25) trans-1,2-dichloroethene	8.248	96	177886	51.18	ug/L	100
26) di-isopropyl ether	8.935	45	555447	52.93	ug/L	96
27) 2-butanone	9.590	72	160877	517.59	ug/L	99
28) 1,1-dichloroethane	8.846	63	301845	51.75	ug/L	99
29) chloroprene	8.998	53	225124	50.04	ug/L	93
30) acrylonitrile	8.122	52	42602	54.89	ug/L	95
31) hexane	8.678	56	134969	52.55	ug/L	96
32) vinyl acetate	8.872	86	29436	46.55	ug/L #	91
33) ethyl tert-butyl ether	9.438	59	559323	48.82	ug/L	99
34) ethyl acetate	9.679	45	15884	40.63	ug/L #	87
35) 2,2-dichloropropane	9.674	77	266992	48.51	ug/L	93
36) cis-1,2-dichloroethene	9.637	96	185310	50.33	ug/L	98
37) methyl acrylate	9.753	55	97735	39.82	ug/L	99
38) propionitrile	9.637	54	153305	398.89	ug/L	98
39) bromochloromethane	9.952	128	103856	49.59	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185528.d
Acq On : 31 Aug 2021 7:47 am
Operator : thienn
Sample : CC8337-50 Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:12:31 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) tetrahydrofuran	10.041	72	16063	42.57	ug/L		94
41) chloroform	10.030	85	199857	47.05	ug/L		96
42) t-butyl formate	10.120	59	132666	46.47	ug/L		91
44) methacrylonitrile	9.878	67	48612	41.46	ug/L		97
45) 1,1,1-trichloroethane	10.345	97	294135	51.51	ug/L		99
46) cyclohexane	10.466	84	257390	50.74	ug/L		90
47) 1,1-dichloropropene	10.544	75	216058	48.63	ug/L		99
48) iso-butyl alcohol	10.508	43	43955	432.03	ug/L		95
49) carbon tetrachloride	10.581	117	264155	49.38	ug/L		97
50) tert amyl alcohol	10.660	55	23647	223.27	ug/L		93
53) n-butyl alcohol	11.305	56	158819	2275.91	ug/L		99
54) 2,2,4-trimethylpentane	10.906	57	635738	54.91	ug/L		95
55) benzene	10.801	78	640521	52.36	ug/L		99
56) tert-amyl methyl ether	10.896	87	122189	46.23	ug/L		96
57) heptane	11.090	71	139530	53.46	ug/L		98
58) isopropyl acetate	10.759	87	28874	44.26	ug/L	#	86
59) 1,2-dichloroethane	10.770	62	209084	44.72	ug/L		97
60) trichloroethene	11.561	130	211315	53.06	ug/L		99
61) ethyl acrylate	11.582	55	148189	42.72	ug/L		95
62) 2-nitropropane	12.295	41	31694	36.68	ug/L		94
63) 2-chloroethyl vinyl ether	12.379	63	342383	176.35	ug/L		99
64) methyl methacrylate	11.860	100	34355	45.14	ug/L	#	90
65) 1,2-dichloropropane	11.803	63	175516	53.05	ug/L		100
66) dibromomethane	11.949	93	98181	44.44	ug/L		93
67) methylcyclohexane	11.845	83	328854	53.11	ug/L		99
68) bromodichloromethane	12.096	83	239860	49.72	ug/L		98
69) epichlorohydrin	12.469	57	60704	206.32	ug/L		99
70) cis-1,3-dichloropropene	12.605	75	298780	53.60	ug/L		94
71) 4-methyl-2-pentanone	12.720	58	585456	517.28	ug/L		89
72) 3-methyl-1-butanol	12.736	70	59939	891.59	ug/L	#	88
75) toluene	13.024	92	426753	50.03	ug/L		98
76) trans-1,3-dichloropropene	13.192	75	251798	50.53	ug/L		99
77) ethyl methacrylate	13.250	69	182075	45.12	ug/L		99
78) 1,1,2-trichloroethane	13.412	83	120974	46.88	ug/L		97
79) tetrachloroethene	13.664	164	175612	48.46	ug/L		98
80) 1,3-dichloropropane	13.611	76	239506	45.75	ug/L		88
81) 2-hexanone	13.632	58	548423	544.45	ug/L		93
82) butyl acetate	13.748	56	88319	45.80	ug/L		99
83) dibromochloromethane	13.889	129	204100	47.03	ug/L		100
84) 1,2-dibromoethane	14.052	107	159089	46.61	ug/L		99
85) n-butyl ether	14.571	57	694178	53.85	ug/L		99
86) chlorobenzene	14.581	112	514793	50.79	ug/L		99
87) 1,1,1,2-tetrachloroethane	14.639	131	211899	51.29	ug/L		98
88) ethylbenzene	14.671	91	789214	49.36	ug/L		99
89) m,p-xylene	14.786	106	662429	102.58	ug/L		95
90) o-xylene	15.226	106	357333	51.94	ug/L		98
91) styrene	15.226	104	571532	50.72	ug/L		99
92) n-amyl acetate	15.284	70	109077	48.13	ug/L		95
93) bromoform	15.457	173	152333	45.88	ug/L		100
94) butyl acrylate	15.048	55	293283	46.23	ug/L		99
95) isopropylbenzene	15.604	105	929420	49.53	ug/L		98
96) cis-1,4-dichloro-2-butene	15.620	88	46506	29.39	ug/L		96
99) bromobenzene	15.992	156	266951	53.68	ug/L		96
100) 1,1,2,2-tetrachloroethane	15.855	83	178941	43.71	ug/L		100
101) trans-1,4-dichloro-2-b...	15.913	53	36459	34.31	ug/L		82
102) 1,2,3-trichloropropane	15.939	110	51134	43.06	ug/L		97
103) n-propylbenzene	16.039	91	995476	52.28	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185528.d
Acq On : 31 Aug 2021 7:47 am
Operator : thienn
Sample : CC8337-50 Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:12:31 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration

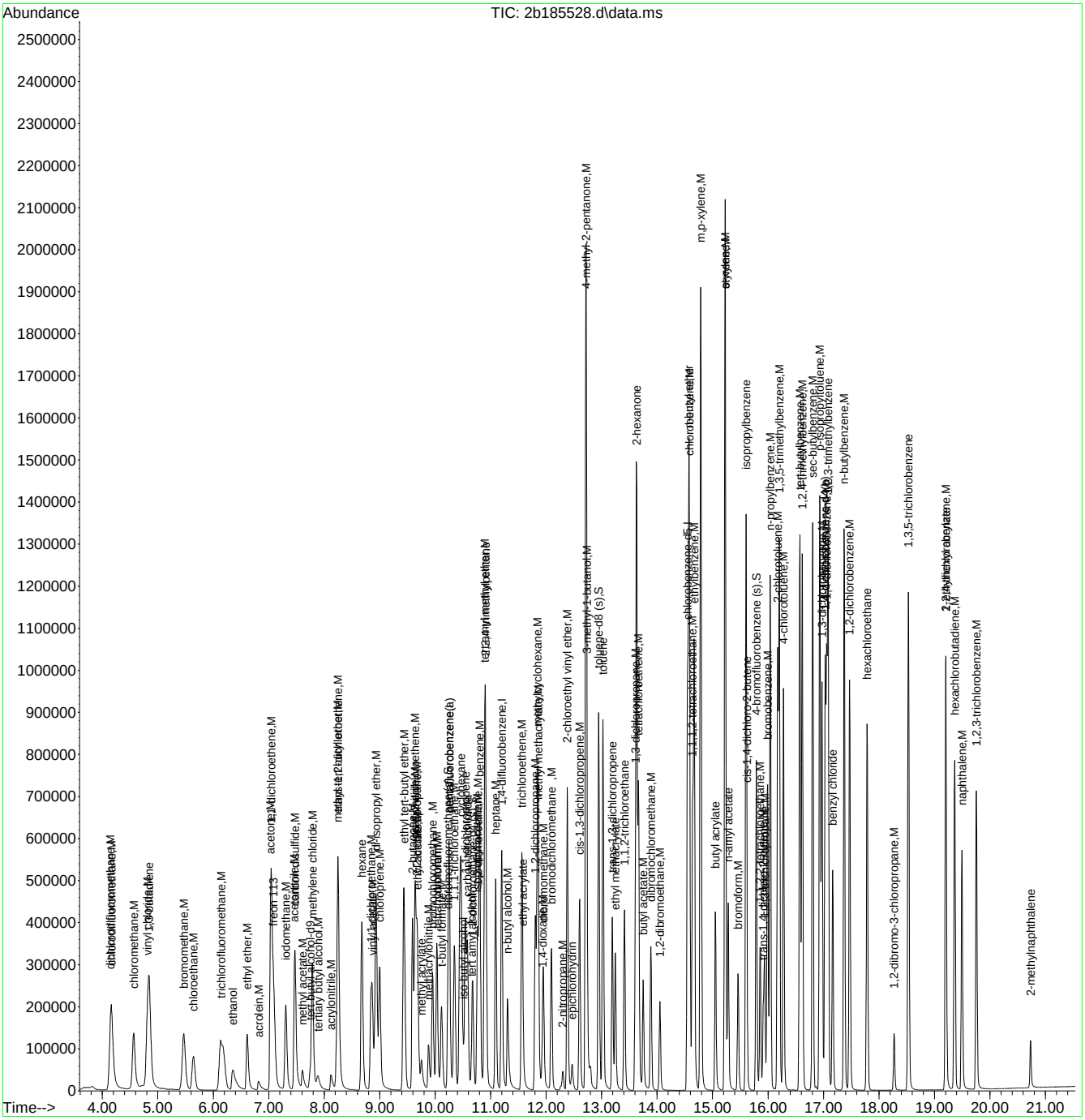
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) 2-chlorotoluene	16.175	126	239798	53.44	ug/L	98
105) 4-chlorotoluene	16.275	91	614470	51.18	ug/L	99
106) 1,3,5-trimethylbenzene	16.202	105	742685	51.58	ug/L	99
107) tert-butylbenzene	16.574	134	181944	53.17	ug/L	96
108) 1,2,4-trimethylbenzene	16.616	105	775986	51.80	ug/L	100
109) sec-butylbenzene	16.804	105	1026000	51.50	ug/L	99
110) 1,3-dichlorobenzene	16.972	146	471871	50.41	ug/L	98
111) p-isopropyltoluene	16.930	119	908297	52.00	ug/L	99
112) 1,4-dichlorobenzene	17.056	146	474128	51.62	ug/L	99
113) benzyl chloride	17.166	91	409881	48.83	ug/L	98
114) 1,2,3-trimethylbenzene	17.082	105	762259	52.04	ug/L	99
115) 1,2-dichlorobenzene	17.470	146	490301	52.45	ug/L	100
116) n-butylbenzene	17.371	92	440144	53.63	ug/L	97
117) hexachloroethane	17.785	201	200894	55.45	ug/L	99
118) 1,2-dibromo-3-chloropr...	18.273	157	49569	39.18	ug/L	98
119) 1,3,5-trichlorobenzene	18.529	180	483311	58.61	ug/L	100
120) 2-ethylhexyl acrylate	19.206	70	22108	7.27	ug/L	95
121) 1,2,4-trichlorobenzene	19.206	180	386825	51.82	ug/L	99
122) hexachlorobutadiene	19.363	225	210381	54.91	ug/L	100
123) naphthalene	19.494	128	542585	38.01	ug/L	99
124) 1,2,3-trichlorobenzene	19.756	180	287909	45.65	ug/L	98
125) 2-methylnaphthalene	20.732	142	68958	9.64	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\davem1\09-01-21\v2b8421 rush\
Data File : 2b185528.d
Acq On : 31 Aug 2021 7:47 am
Operator : thienn
Sample : CC8337-50 Inst : GCMS2B
Misc : MS53226,V2B8421,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M2B8337.M
Quant Results File: M2B8337.RES
Quant Time: Aug 31 14:12:31 2021
Quant Title : SW846 8260C/D, DB-624.1 60 mx0.25mmx1.4um
QLast Update : Wed Jul 28 16:07:54 2021
Response via : Initial Calibration



GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2718-2.60	EC: V021-2718-35.11	AA: V021-2718-23.7	EXT ABK: v021-2718-7.7	Column	DB-624(60mx0.25mmx1.4 um)
Standard Concentration	100-10,000ppm	100ppm	100ppm	100-10,000ppm	Method	v8260d
Expiration Date	6/21/21	6/22/21	7/8/21	6/26/21	Init Calib Date	6/16/2021
Internal Surrogate	V021-2718-25	EXT EC:v021-2718-36.3	EXT Acrolein:v021-2718-38.3	EXT PA:v021-2718-39.2		
Internal Surrogate Concentration	250/2,500ppm	100ppm	100ppm	100ppm	Analysis Date	6/16/2021
Expiration Date	7/9/2021	6/22/21	7/16/21	7/16/21	Sequence loaded by	Robert Szot
				Chlorodifluoromethane:v021-2718-12.1	Data processed by	Robert Szot
				100ppm	Batch ID	V2B8337
				6/27/21	Matrix	AQ
					Approved By:	KANYAV
pH paper Lot# (wide range):	223120	Exp. 8/15/2023	Initial Calibration Method	M2B8337	Approved Date:	6/20/2021 9:59:45 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
2B	183582	IB		NA			5			1	OK	
2B	183583	BFB		NA			5			2	OK	
2B	183584	IC8337-0.2		NA		Initial Calibration	5			3	OK	1ul abk,ec,aa/500ml
2B	183585	IC8337-0.5		NA		Initial Calibration	5			4	OK	1ul abk,ec,aa/200ml
2B	183586	IC8337-1		NA		Initial Calibration	5			5	OK	1ul abk,ec,aa/100ml
2B	183587	IC8337-2		NA		Initial Calibration	5			6	OK	2ul abk,ec,aa/100ml
2B	183588	IC8337-4		NA		Initial Calibration	5			7	OK	4ul abk,ec,aa/100ml
2B	183589	IC8337-8		NA		Initial Calibration	5			8	OK	8ul abk,ec,aa/100ml
2B	183590	IC8337-20		NA		Initial Calibration	5			9	OK	20ul abk,ec,aa/100ml
2B	183591	ICC8337-50		NA		Initial Calibration	5			10	OK	50ul abk,ec,aa/100ml

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
2B	183592	IC8337-100		NA		Initial Calibration	5			11	OK	100ul abk,ec,aa/100ml
2B	183593	IC8337-200		NA		Initial Calibration	5			12	OK	200ul abk,ec,aa/100ml
2B	183594	IB		NA			5			13	OK	
2B	183595	IB		NA			5			14	OK	
2B	183596	ICV8337-50		NA		Initial Calibration	5			15	OK	50ul EXT abk,ec,acrolein/100ml
2B	183597	ICV8337-50		NA		Initial Calibration	5			16	OK	50ul EXT PA,Chlorodifluoromethane/100ml

GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2718-132.4	EC: V021-2718-138.5	AA: V021-2718-118.13		Column	DB-624(60mx0.25mmx1.4um)
Standard Concentration	100-10,000ppm	100ppm	100ppm		Method	V8260D
Expiration Date	9/23/2021	9/1/2021	9/10/2021		Init Calib Date	6/16/2021
Internal Surrogate	V021-2718-135					
Internal Surrogate Concentration	250/2500ppm				Analysis Date	8/31/2021
Expiration Date	9/24/2021				Sequence loaded by	THIENN
					Data processed by	janellec
					Batch ID	V2B8421
Rough reviewed by					Matrix	AQ
					Approved By:	MOHUI
pH paper Lot# (wide range):	223120	Exp. 8/15/2023	Initial Calibration Method	M2B8337	Approved Date:	9/1/2021 10:18:42 AM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
2B	185528	BFB/CC8337-50		NA			5			1	OK/OK	7:47 am. ABK,EC,AA, 50UL /100ML DI water
2B	185529	IB		NA			5			2	OK	
2B	185530	CC8337-2		NA			5			3	OK	FOR # 118,123. ABK,EC,AA, 2UL /100ML DI water
2B	185531	BS		NA			5			4	OK	ABK,EC,AA, 50UL /100ML DI water
2B	185532	IB		NA			5			5	OK	
2B	185533	MB		NA			5			6	OK	
2B	185534	JD30727-1	3	NA	MS53310	V8260TCL20+	5		1	7	OK	
2B	185535	JD30727-2	3	NA	MS53310	V8260TCL20+	5		1	8	OK	
2B	185536	JD30727-3	3	NA	MS53310	V8260TCL20+	5		1	9	OK	
2B	185537	JD30727-3	3	10X	MS53310	V8260TCL20+	5/50		1	10	OK	
2B	185538	JD30644-1	4	100X	MS53267	V8260TCL20	0.5/50		1	11	OK	

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
2B	185539	JD30644-2	5	100X	MS53267	V8260TCL20	0.5/50		1	12	OK	
2B	185540	JD30727-1MS	4	NA	MS53310	V8260TCL20+	5		1	13	OK	ABK,EC,AA, 25UL /50ML sample
2B	185541	IB		NA			5			14	OK	
2B	185542	JD30727-2DUP	1	NA	MS53310	V8260TCL20+	5		1	15	OK	
2B	185543	JD30644-1	4	500x	MS53267	V8260TCL20	0.1/50		1	16	OK	
2B	185544	JD30644-2	5	500x	MS53267	V8260TCL20	0.1/50		1	17	OK	
2B	185545	JD30689-1	2	NA	MS53281	V8260TCL11	5		1	18	OK	
2B	185546	JD30689-2	2	NA	MS53281	V8260TCL11	5		1	19	OK	
2B	185547	JD30689-3	2	NA	MS53281	V8260TCL11	5		1	20	OK	
2B	185548	JD30689-4	2	NA	MS53281	V8260TCL11	5		1	21	OK	
2B	185549	JD30727-4	3	NA	MS53310	V8260TCL20+	5		1	22	OK	
2B	185550	JD30727-5	2	NA	MS53310	V8260TCL20+	5		1	23	RR	7:53PM. OUT OF BFB TIME
2B	185551	IB		NA			5			24	OK	