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2022 PERIODIC REVIEW REPORT

SPIC AND SPAN CLEANERS

BRONXVILLE, WESTCHESTER COUNTY, NEW YORK

NYSDEC Site No. 360160

REPORTING PERIOD (May 26, 2021- May 26, 2022)

Prepared for:

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TABLE OF CONTENTS

FIGURES

APPENDICES

LIST OF ACRONYMS

Acronym	Definition
ACT	Advance Cleanup Technologies
AS	Air Sparge
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below ground surface
COC	Certificate of Completion
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
ECs	Engineering Controls
EE	Environmental Easement
IAC-A	Indoor Air Concentrations- Matrix A
ICs	Institutional Controls
IRM	Interim Remedial Measure
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operations and Maintenance
PCE	Tetrachloroethene
PRR	Periodic Review Report
SCG	Standards, Criteria, and Guidance
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers, PC
SMP	Site Management Plan
SSC-A	Sub-Slab Concentrations- Matrix A
SSDS	Sub-Slab Depressurization System
SVE	Soil Vapor Extraction
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCE	Trichloroethene

Acronym	Definition
TOGS	Technical and Operations Guidance Series
UUSCO	Unrestricted Use Soil Cleanup Objectives
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

1.0 EXECUTIVE SUMMARY

1.1 SITE INFORMATION

This Periodic Review Report (PRR) is an element of the remedial program at the Spic and Span Cleaners (hereinafter referred to as the "Site") located at 79-81 Pondfield Road, Bronxville, New York. The Site has participated in the New York State Brownfield Cleanup Program (BCP) administered by the New York State Department of Environmental Conservation (NYSDEC). The Site was investigated and remediated in accordance with the Brownfield Cleanup Agreement (BCA) Site #C360130, executed with the NYSDEC on September 19, 2013. The Certificate of Completion (COC) was issued on December 26, 2019 and recorded on January 22, 2020 in the Westchester County Clerk's office as Control No. 600223387. This PRR was prepared for the period from May 26, 2021 to May 26, 2022. Advance Cleanup Technologies, Inc. (ACT) was the Engineer of Record from the commencement of the project until January 24, 2021. SESI became the Engineer of Record on January 24, 2021.

Since the COC was issued, residual contamination has remained on the Site and must be managed according to the requirements in the NYSDEC approved "Site Management Plan (SMP), Spic and Span Cleaners, Westchester, New York," dated September 2019, prepared by Andrew R. Levenbaum, P.E., and ACT, and the environmental easement recorded on July 26, 2019 in the Westchester County Clerk's office as Control No. 581593529.

Engineering Controls (ECs) have been constructed on the Site to prevent exposure to the remaining residual contamination during Site use. An Environmental Easement (EE) granted to the NYSDEC, and recorded with the Westchester County Clerk, requires compliance with the SMP and ECs and institutional controls (ICs) placed on the Site. The ICs place restrictions on Site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs.

This PRR reports the required inspection and monitoring activities that were conducted during the current reporting period. The inspection and monitoring were conducted in compliance with ECs and ICs required by the EE and as stated in the SMP as approved by NYSDEC.

As described in the "Final Engineering Report, Spic and Span Cleaners, Westchester County, New York, NYSDEC Site Number: C360130," dated September 2019, prepared by Andrew R. Levenbaum, P.E., and ACT, the following items were the components of the selected remedy:

1. A Site cover currently exists in areas not occupied by buildings and will be maintained to allow for commercial use of the Site. Any Site redevelopment will maintain the existing Site cover.

2. Construction and operation of a sub-slab depressurization system (SSDS), soil vapor extraction (SVE) system and air sparge (AS) system at the Site.

3. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the Site. Permitted future uses (commercial & industrial) must comply with 6 NYCRR 375-1.8(g)(iii) for commercial uses and 6 NYCRR 375-1.8(g)(iv) for industrial uses.

4. Development and implementation of a Site Management Plan (SMP) for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;

5. Periodic certification of the institutional and engineering controls listed above.

Of note, SESI Engineering Consultants, DPC was retained as Engineer of Record in January 2021. Prior to that time, ACT performed Site operation and maintenance (O and M), environmental sampling and reporting. Therefore, documentation provided herein prior to January 2021 was prepared by ACT.

The remedy for this Site was largely performed as an Interim Remedial Measure (IRM) in accordance with the NYSDEC approved "Interim Remedial Measures Work Plan, Spic and Span Cleaners, 79-81 Pondfield Road, Bronxville, New York, 10708, Tax Map No.: Section 4, Block 1, Lots 5,8," dated February 25, 2013, prepared by ACT. The remedy included the installation of an SSDS, an SVE system and an AS system.

The SSDS was installed in September 2011. The SSDS maintained negative pressure in the area of concern under the building footprint. The SVE system collected vapors

released by the AS for subsequent vapor-phase granular activated carbon treatment. The SVE system was installed in March 2015 and an AS was installed in April 2015. In May 2015, the combined AS/SVE/SSD system commenced operation. The remedial system had been operating continuously since startup, except for routine maintenance, repairs, and occasional electrical outages until sometime before January 2021.

1.2 EFFECTIVENESS OF REMEDIAL PROGRAM

Residual contamination remains on the Site, which has been managed according to the requirements of the SMP for commercial and restricted residential uses.

The composite cover system remains intact on the Site. The cover system has been and will continue to be effective in preventing public exposure to the residual contamination.

The groundwater, sub-slab soil vapor and indoor air sampling has been conducted at this Site during this reporting period. The concentrations have significantly reduced since implementation of the remedial actions. Based on this data, it is apparent that the SVE and AS systems have been effective in reducing the concentrations of contaminants in the subgrade to either drinking water standards or close to the drinking water standards in an urban environment.

To further evaluate existing post-COC Site conditions, SESI prepared a Corrective Measure Work Plan (CMWP) which was submitted to the NYSDEC and approved on October 6, 2021. Per the CWMP, SESI collected the sub-slab soil vapor samples from the existing three (3) soil vapor sampling locations with a duplicate sample in the basement area of the building and three (3) indoor air samples that were co-located with the sub-slab vapor sample locations on November 17, 2021, and March 28, 2022. In addition, six (6) indoor air samples were obtained from the first and second floors of the building on November 17, 2021, and March 28, 2022. A figure showing the sampling locations is included as Figure 2.2 and 3.0. The results of the sub-slab and indoor air sampling are summarized in **Appendix B**.

Sub-slab soil vapor and indoor air sampling results were compared to NYSDOH IAC-A SSC-A Matrix A for TCE, cis-1,2-dichloroethene and carbon tetrachloride. A summary of the results and the actions required by the matrices are described below.

For the November 2021 sampling, VP-3 sample concentration for TCE (190 ug/m3) is above the standard of 60 ug/m3 for sub-slab concentrations, indicating mitigation is required based on Matrix A. For Matrix B, PCE concentrations were detected at 1,710 and 2,160 ug/m3 in VP-1 and VP-3, respectively, above the standard of 1,000 ug/m3 for mitigation.

During the March 2022 sampling event, the carbon tetrachloride exceedance in sample IA-103 (0.75 ug/m3) requires no further action as no exceedances to the sub-slab vapor points for this compound were detected. The methylene chloride exceedance in sample IA-103 (11 ug/m3) is above 10 ug/m3, which triggers the Matrix A requirement to identify and resample or mitigate. The exceedance to cis-1,2-dichloroethene in IA-3 (0.44ug/m3) and VP-3 (23 ug/m3) indicates continued monitoring is required. PCE exceedances were noted in indoor air samples IA-106 (7.5 ug/m3), IA-1 (4.6 ug/m3), IA-2 (5.8 ug/m3), and IA-3 (19 ug/m3), and sub-slab sample VP-3 (814 ug/m3). Based on the NYSDOH Matrix B, mitigation is required. TCE exceedances were noted in indoor air sample IA-3 (2 ug/m3) and sub-slab samples VP-1 (7 ug/m3), and VP-3 (155 ug/m3), and based on the NYSDOH Matrix A, mitigation is required.

PCE exceedances in the indoor air are believed to be related to the off-gassing of PCE from the clothes that are brought onto the Site, steam pressed, and stored for pick-up as observed during SESI's field visits to the Site.

1.3 COMPLIANCE

A summary of the compliance of the Site activities in accordance with the SMP conducted during this reporting period is included below:

-IC/EC Plan: The ICs initiated in the SMP have remained in place for this reporting period. The ECs, including the AS/SVE/SSDS, are currently not operational. (See Section 1.4 Recommendations).

-Monitoring and Sampling Plan: Groundwater monitoring has been conducted in accordance with SMP requirements.

-Operations and Maintenance (O&M) Plan: The AS/SVE/SSD systems are currently not operational. O&M activities were not needed since the system has not been operating since SESI became the Engineer of Record (January 2021).

1.4 RECOMMENDATIONS

After review of the March 2021 groundwater data, a teleconference was attended by representatives from the NYSDEC (John Miller), the NYSDOH (Jacquelyn Nealon) and SESI (Fuad Dahan and Patricia Petrino) on April 16, 2021. The discussion focused on the current groundwater and sub-slab soil gas data trends and the recent indoor air data. Since both groundwater and sub-slab soil gas are showing consistent reductions and a downward trend, and indoor air concentrations were below NYSDOH action levels, it was agreed that additional rounds of sampling would be conducted to confirm these trends and the SVE/AS and SSD systems would not be restarted at that time.

Subsequent sampling events in November 2021 and March 2022 revealed elevated levels of PCE and TCE in air and in the sub-slab vapor points on Site, indicating mitigation is required. However, the on-Site groundwater sampling events conducted at the same time showed a significant reduction to on-Site contamination in the groundwater. Based on the results of the sampling, it is recommended that the SSDS be refurbished and the system activated to mitigate the exceedances to the sub-slab and indoor air.

After the SSDS is activated and a vacuum is established, it is recommended that two (2) rounds of indoor air sampling be conducted to determine if the clothes are off-gassing PCE during steam pressing or during storage. An additional indoor air sample located in the first floor tenant space of the former dry cleaner is also recommended. This would require a total of ten (10) indoor air locations and an ambient air sample. It is not recommended to sample the sub slab while the SSDS is operating.

Continuation of the current groundwater monitoring schedule, as required in the SMP, will be conducted until it is deemed not necessary. This includes the following:

GW Monitoring Wells	Sampling
MW-1S, 2S, 4S, 4I and 5S	Annually
MW- 5I and 6 (Off-Site)	Semi-Annually

However, due to MW-5I having silt above the screen interval, it is recommended this well no longer be sampled as the data is not representative of the screen interval. It is also recommended that this well be closed and no longer utilized.

2.0 SITE OVERVIEW

2.1 SITE LOCATION AND DESCRIPTION

The Site is identified as Section 4, Block 1, Lots 5 and 8 by the Village of Bronxville Assessor's office. The Village of Bronxville Assessor's Office indicates the property consists of two (2) abutting lots comprising a total of 0.287 acres in area and owned by 81 Pondfield Road Company. Previous property owners have reportedly included 81 Pondfield Road Corporation (1971-1982) and 81 Pondfield Road Company (1982-1996). According to the Phase I Report, 81 Pondfield Road Corporation had operated at the Site in the current configuration since its purchase in 1971. A Site Plan is shown on **Figure 2.1**.

2.2 SITE HISTORY

The basement beneath Lot 8 is used for utilities and tenant storage. The basement beneath Lot 5 had reportedly been used for dry-cleaning operations since the building's construction in the 1930s until dry-cleaning operations were terminated in 2012. The basement is currently used by a non-dry-cleaning laundry-only business for washing, drying, and pressing with aqueous detergents only. A complete Site history can be found in the Remedial Investigation Report (RIR), Spic and Span Cleaners, Bronxville, New York, NYSDEC BCP Site Number: C360130, dated September 2017, prepared by ACT.

2.3 REMEDIAL INVESTIGATION

Included below is a summary of the remedial investigation (RI) prepared by ACT as presented in the RIR.

1. Elevation of the property is approximately 95 feet above mean sea level.

2. Depth to groundwater ranges from 8.90 to 12.95 feet below the top of well casing at the on-Site groundwater monitoring wells. Depth to ground water ranged from 21.55 to 24.56 feet below the top of well casing at the off-Site groundwater monitoring wells on Pondfield Road. The groundwater elevation of off-Site groundwater wells, MW-4S and MW-4I, to the southeast was measured at depth of 7.63 and 7.66 feet below the top of casing, respectively.

3. Groundwater flow in the overburden aquifer is generally from northeast to southwest beneath the Site.

4. Depth to bedrock beneath the eastern portion of the Site is approximately 50 feet based upon refusal encountered during installation of two (2) on-Site groundwater monitoring wells (MW-2 and MW-3) at 47 and 48 feet below grade surface. Depth to bedrock beneath the western portion of the Site is believed to be approximately 24 feet based upon refusal encountered during installation of off-Site monitoring wells MW-6 and MW-7.

5. The stratigraphy of the Site, from the surface down, generally consists predominantly of fine-grained poorly graded sand underlain by lenses of low plasticity silt to at least 17 feet below grade surface.

6. Soil samples collected during the RI showed detectable concentrations of volatile organic compounds (VOCs) in nine (9) of the 11 soil borings excluding, methylene chloride, a common laboratory artifact. PCE, a chlorinated VOC commonly utilized at dry cleaning facilities was detected in two (2) soil borings (ACT-1 and ACT-9) above Unrestricted Use Soil Cleanup Objectives (UUSCOs). Soil boring ACT-1 contained PCE above UUSCOs in the 10 to 11-foot sample (2,800 µg/kg) and above commercial soil cleanup objectives in the 14 to 15-foot sample (300,000 µg/kg). Soil boring ACT-9 contained PCE above UUSCOs only in the deeper soil sample from 13 to 15-foot depth (6,000 µg/kg). 1,2,4,5 Tetramethylbenzene was detected at a concentration of 10,000 µg/kg in soil sample ACT-1 from 14 to 15 foot. There is no NYSDEC soil cleanup objective for the compound.

7. Groundwater samples collected during the RI showed concentrations of VOCs above the NYSDEC TOGS (Technical and Operational Guidance Series, 1.1.1 Groundwater Effluent Limitations) in 15 of the 20 groundwater samples collected from thirteen temporary groundwater wells (ACT-1 through ACT-13). The most ubiquitous compound exceeding a NYSDEC guidance standard was PCE, which was detected in 15 groundwater samples with the greatest concentration detected in ACT-9 (14 ft.) at 5,100 µg/L. The chlorinated VOC, degradation products TCE and cis-1,2-Dichloethene were detected above NYSDEC guidance standards in ACT-8 (16'), ACT-9 (14') and ACT-10 (14'). The petroleum hydrocarbons, 1,2,4,5 Trimethylbenzene, 1,2,4 Trimethylbenzene and Naphthalene exhibited exceedances above NYSDEC guidance

standards. 1,2,4,5 Trimethylbenzene was detected in three (3) groundwater samples above guidance standards in temporary wells ACT-6 (17'), ACT-8 (16'), and ACT-9 (14') at concentrations of 7.1, 25 and 15 mg/L, respectively. Naphthalene was detected in two (2) groundwater samples above guidance standards in ACT-8 (16') and ACT-9 (14') at concentrations of 41 and 32 µg/L, respectively. 1,2,4 Trimethlybenzene was detected in one (1) groundwater sample above its guidance standard in ACT-9 (14') at a concentration of 9 µg/L. Methylene chloride a common laboratory artifact introduced during the laboratory processing of samples was detected above guidance standards in three (3) groundwater samples, ACT-1 (25'), ACT-6 (17') and ACT-8 (16') exhibited concentrations of methylene chloride at 5.1, 5.8 and 5.2 µg/L, respectively.

8. A groundwater monitoring network consisting of nine (9) on-Site multi-level groundwater monitoring wells and five (5) off-Site conventional groundwater monitoring wells was installed in 2014 and eight (8) periodic monitoring events have been performed to date to evaluate trends in groundwater quality at the Site and its vicinity over time. After implementation of the remedy, including the SVE/AS and SSD systems, groundwater quality has shown steady improvement over time. The monitoring event in May 2017 found PCE above water quality standards only in on-Site monitoring wells MW-1s (59 µg/L) and MW-2s (65 µg/L) and off-Site monitoring wells MW-5i (420 ug/L) and MW-6 (150 ug/L), which are the lowest levels that PCE has been detected since monitoring began.

9. Soil vapor samples collected during the RI contained on-Site sub-slab soil vapor concentrations of PCE ranging from 3,663.9 µg/m3 to 67,850 µg/m3 and TCE ranging from 467.45 µg/m3 to 13,443 µg/m3. On-Site concentrations of PCE in indoor air ranged from 4.67.45 µg/m3 to 13,443 µg/m3.

2.4 DESCRIPTION OF REMEDIAL ACTIONS

The remedy for this Site (previously described in Section 1.0) was performed as an Interim Remedial Measure (IRM) in accordance with the approved IRM Work Plan. The remedy included the installation of an SSDS, an SVE system and an AS system. The SSDS maintained negative pressure over the entire area of concern. The SVE system collected vapors released by the AS system for subsequent vapor-phase granular activated carbon treatment. The SSDS was installed in September 2011. The SVE

system was installed in March 2015 and an AS system was installed in April 2015. In May 2015, the combined SSD/SVE/AS system was put into operation. The remedial systems were reportedly operating continuously since startup, except for routine maintenance, repairs, and occasional electrical outages per ACT. However, at the time SESI was retained as the Engineer of Record (January 2021), the systems were not operational. The AS/SVE/SSD system layout is shown on **Figure 2.2.**

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The remedy performance, effectiveness and protectiveness were evaluated based on an evaluation of the groundwater, sub-slab soil vapor and indoor air data. A summary of the results of the data collected during this reporting period is included **Section 5.0.** The concentrations of contaminants in the groundwater have reduced significantly since the installation of the remedial measures. The sub-slab and indoor air sampling showed elevated levels of dry-cleaning related chemicals (PCE, TCE cis-1,2dichloroethylene). It recommended that the SSDS be refurbished and reactivated.

4.0 IC/EC PLAN COMPLIANCE

4.1 IC REQUIREMENTS AND COMPLIANCE

Since remaining contamination exists at the Site, ICs and ECs are required to protect human health and the environment The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

Institutional Controls

A series of ICs is required to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the Site to commercial and industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and is implemented under the SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

These ICs are described below:

- Permitted future uses (commercial and industrial) must comply with 6 NYCRR 375-1.8(g)(2)(iii) for commercial uses and 6 NYCRR 375-1.8(g)(2)(iv) for industrial uses.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP.
- Data and information pertinent to Site management must be reported at a frequency and in a manner as defined in the SMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any

mechanical or physical component of the remedy shall be performed as defined in the SMP.

- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the EE.
- Vegetable gardens and farming on the Site are prohibited.

Engineering Controls

The ECs for the Site are described herein.

- Exposure to remaining contamination at the Site is prevented by a cover system maintained over portions of the Site not occupied by buildings. SSD, SVE and AS systems installed at the Site as part of the IRM have been mitigating soil vapor intrusion for the on-Site building and improving soil and groundwater quality in the vicinity of the Site.
- Procedures for operating and maintaining the SVE, SSD and AS systems are documented in the O and M Plan (Section 5.0 of the SMP).

Activities for the compliance with the ICs for this reporting period have been conducted. For the ECs, the O and M activities were not needed since the AS/SVE/SSD system was not operational (for the time period after SESI became the Engineer of Record).

4.2 RECOMMENDATIONS

Based on a recent evaluation of the groundwater, sub-slab soil vapor and indoor air data (See Section 5.0), the concentration of contaminants in the subgrade have reduced significantly since the installation of the remedial measures. The remedial measures were effective for treatment of the impacts in the subgrade. To confirm these trends, two (2) additional rounds of sub-slab soil vapor and indoor sampling were conducted. These sampling event showed an increase to the PCE and TCE in the indoor air and sub slab.

As the additional indoor air sampling showed mitigation is required it is recommended to refurbish and reactivate the SSDS system. The continuation of the operation of the AS/SVE systems is not warranted at this time, so the systems will not be re-started.

To determine that this is an effective remedy the already sample six (6) indoor air location and three (3) indoor air location in the basement should be sampled as the sample frequency as before. In addition, it is recommended that an indoor air sample be taken from the dry cleaning space on the first floor. This will be used along with the data form the basement where steam pressing of dry cleaned clothes occurs are the sources of the indoor air exceedances.

If exceedances to the indoor air are still present despite a vacuum being applied to the sub-slab then it is recommended OSHA PCE and TCE levels be used for indoor air as this off-gassing is from the storage and steam pressing of the dry cleaned cloths in the active dry cleaner.

In addition, it is recommended that the groundwater be sampled in accordance with the SMP except for MW-5I which is recommended for decommission as the silt above the screen make the data unreliable.

4.3 IC/EC CERTIFICATION

The NYSDEC Institutional and Engineering Controls Certification Form has been completed and is included in **Appendix A.**

5.0 MONITORING PLAN COMPLIANCE

5.1 SAMPLING ACTIVITIES -NOVEMBER 2021

In November 2021, SESI conducted the semi-annual sampling, collecting two (2) groundwater samples from existing off-Site monitoring wells, three (3) soil vapor samples from three (3) existing soil vapor sampling ports in the laundry basement area, and three (3) indoor air samples co-deployed in the basement near the soil vapor sampling port locations. In addition, monitoring of a selected six (6) tenant spaces on the first and second floor of the building was conducted. Field sampling was performed in substantial conformance with applicable NYSDEC regulations. Groundwater samples were submitted under chain-of-custody to Alpha Analytical Laboratories, a NELAP-certified laboratory (NY Certification MA0086), for analyses of the TCL VOC+30 (Target Compound List Volatile Organic Compounds + 30).

Similarly, soil vapor and indoor air samples were submitted under chain-of-custody to Alpha Analytical Laboratories for analysis. Soil vapor samples were analyzed for TO-15 (Toxic Organics - 15) and indoor air samples were analyzed for TO-15 and TO-15 SIM (Selective Ion Monitoring).

Groundwater sampling results were compared to the NYSDEC TOGS GA. MW-5I, and MW-6 exhibited PCE exceedances. MW-5I is silted above the screen interval, which is approximately 33 ft-bgs to 38 ft-bgs with the total depth of the well measured in the field at approximately 33 ft-bgs. This indicates that groundwater is infiltrating through the silt and is not represent accurate conditions in the aquafer.

The review of the groundwater data showed continuing significant reduction in concentrations for the contaminants of concern (PCE, TCE, and cis-1,2-dichloroethene) in the monitoring wells included in the SMP monitoring program from 2014 to 2021. A summary of the sampling event is included as **Appendix B.** The concentrations of PCE in the off-Site monitoring wells showed levels as follows:

- MW-5I (directly off-Site) concentrations:
    - PCE (highest): 2,400 ug/l (5/13/14)
    - PCE (lowest): 19 ug/l (1/26/18)

  - PCE (current): 190 ug/l (11/18/21)
- MW-6 (across Pondfield Road off-Site) concentrations
  - PCE (highest): 530 ug/l (3/19/16)
  - PCE (lowest): 24 ug/l (1/26/18)
  - PCE (current): 250 ug/l (11/18/21)

Based on this data, off-Site contamination remains above the NYSDEC TOGS GA. These levels have decreased since the original sampling in 2014 for MW-5I and 2016 for MW-6. It appears that that there is off-Site contamination concentrations are higher at the off-Site location of MW-6 relative to MW-5I. However, due to the screen being silted in MW-5I, this data is not representative of the concentrations of groundwater at the screened interval. Based on the data from MW-6, the impacts appear to be attributable to an off-Site source.

For the on-Site impacts, the SVE and AS systems were installed and consisted of two (2) vertical vapor extraction wells screened from one (1) foot above the water table to the bottom of the parking lot asphalt layer, and two (2) air sparge wells screened at 30 ft below grade. These remedial measures addressed the soil and groundwater impacts by treating the contaminants. The reduction of contaminant concentrations was also enhanced by the design and construction of the SSDS, which included three (3) vertical vapor extraction wells under the building (within the building footprint). This type of vertical extraction system essentially functions as an SVE system and is more effective at reducing contaminant mass in the subgrade than typical SSDSs (which typically include horizontal venting piping directly under the building floor slabs). Therefore, the SSDS has also been effective at reducing the concentrations in the subgrade.

In order to further evaluate Site conditions, SESI then collected sub-slab soil vapor samples from the existing soil vapor sampling locations in the basement area of the building. During this event, SESI also collected three (3) indoor air samples that were co-located with the sub-slab vapor sample locations and six (6) additional samples from the first and second floor of the building. The results of the sub-slab and indoor air sampling are also summarized in **Appendix B**.

Sub-slab soil vapor and indoor air sampling results were compared to NYSDOH IAC-A SSC-A Matrix A for TCE, cis-1,2-dichloroethene and carbon tetrachloride. The VP-3 sample concentration for TCE (190 ug/m3) is above the standard of 60 ug/m3 for sub-slab concentrations, indicating mitigation is required based on Matrix A. For Matrix B, PCE concentrations were detected at 1,710 and 2,160 ug/m3 in VP-1 and VP-3, respectively, above the standard of 1,000 ug/m3 for mitigation.

Laboratory data is included as **Appendix C.**

5.2 SAMPLING ACTIVITIES -MARCH 2022

During annual sampling in March 2022, a total of five (5) groundwater samples were collected by SESI from existing on- and off-Site monitoring wells, three (3) soil vapor samples were collected from three (3) existing soil vapor sampling ports in the laundry basement area, and three (3) indoor air samples co-deployed in the basement near the soil vapor sampling port locations. In addition, monitoring of a selected six (6) tenant spaces on the first and second floor of the building was conducted. Field sampling was performed in substantial conformance with applicable NYSDEC regulations. Groundwater samples were submitted under chain-of-custody to Alpha Analytical Laboratories, a NELAP-certified laboratory (NY Certification MA0086), for analyses of the TCL VOC+30.

Similarly, soil vapor and indoor air samples were submitted under chain-of-custody to SGS Laboratories for analysis. Soil vapor samples were analyzed for TO-15 (Toxic Organics - 15) and indoor air samples were analyzed for TO-15 and TO-15 SIM (Selective Ion Monitoring).

Groundwater sampling results were compared to the NYSDEC TOGS GA. Based on our review, MW-2S, and MW-5S exhibited PCE exceedances, of 22.9 ug/L and 51.4 ug/L, respectively.

The review of the groundwater data showed continuing significant reduction in concentrations for the contaminants of concern (PCE, TCE, and cis-1,2-dichloroethene) in the monitoring wells included in the SMP monitoring program from 2014 to 2022. A

summary of the sampling event is included as **Appendix B.** The concentrations of PCE in the on-and off-Site monitoring wells showed levels as follows:

- MW-1S (on-Site) concentrations:
    - PCE (highest): 5,800 ug/l (5/14/2014)
    - PCE (lowest): 1.6 ug/l (9/29/2017)
    - PCE (current): 4.1 ug/l (3/15/2022)
- MW-2S (on-Site) concentrations
    - PCE (highest): 890 ug/l (1/25/2018)
    - PCE (lowest): 4.5 ug/l (3/10/2021)
    - PCE (current): 22.5 ug/l (3/15/2022)
- MW-4S (off-Site east of Apple Bank Tenant) concentrations
    - PCE (highest): 3.1 ug/l (11/9/2018)
    - PCE (lowest): 4.5 ug/l (3/10/2021)
    - PCE (current): non-detected (3/15/2022)
- MW-4I (off-Site east of Apple Bank Tenant) concentrations
    - PCE (highest): 9.2 ug/l (1/25/2018)
    - PCE (lowest): non-detected (3/10/2021)
    - PCE (current): 0.91 ug/l (3/15/2022)
- MW-5S (Directly off-Site) concentrations
    - PCE (highest): 51.4 ug/l (1/25/2018)
    - PCE (lowest): non-detected (3/10/2021)
    - PCE (current): 0.91 ug/l (3/15/2022)

Based on this data, on-Site contamination remains above the NYSDEC TOGS GA in only MW-2S with a concentration of PCE of 22.4 ug/l. These levels have decreased since the original sampling in 2014 for MW-5I at 670 ug/l and in 2018 where the highest concentration of PCE at 890 ug/L. There is a slight rebound in this well from the last sampling event on March 10, 2021, when the concentration of PCE was 4.5 ug/l. Based on this data, it is apparent that the SVE and AS have been effective in reducing the

concentrations of contaminants in the subgrade to either drinking water standards or close to the drinking water standards in an urban environment.

To further evaluate site conditions, SESI then collected sub-slab soil vapor samples from the existing soil vapor sampling locations in the basement area of the building. During this event, SESI also collected three (3) indoor air samples that were co-located with the sub-slab vapor sample locations and six (6) additional samples from the first and second floor of the building. The results of the sub-slab and indoor air sampling are also summarized in **Appendix B**.

Sub-slab vapor points and indoor air sampling results were compared to NYSDOH Indoor IAC-A SSC-A Matrix A for TCE, cis-1,2-dichloroethene and carbon tetrachloride. For methylene chloride and PCE, the results were compared to NYSDEC/NYSDOH Matrix B.

The carbon tetrachloride exceedance in sample IA-103 (0.75 ug/m3) requires no further action as no exceedances to the sub-slab vapor points for this compound were detected. The methylene chloride exceedance in sample IA-103 (11 ug/m3) is above 10 ug/m3 which triggers the Matrix A requirement to identify and resample or mitigate. The exceedance to cis-1,2-dichloroethene in IA-3 (0.44ug/m3) and VP-3 (23 ug/m3) indicates continued monitoring is required. PCE exceedances were noted in indoor air samples IA-106 (7.5 ug/m3), IA-1 (4.6 ug/m3), IA-2 (5.8 ug/m3), and IA-3 (19 ug/m3), and sub-slab sample VP-3 (814 ug/m3). Based on the NYSDOH Matrix B, mitigation is required. TCE exceedances were noted in indoor air sample IA-3 (2 ug/m3) and sub-slab samples VP-1 (7 ug/m3), and VP-3 (155 ug/m3), and based on the NYSDOH Matrix A, mitigation is required.

5.3 CONCLUSIONS AND RECOMMENDATIONS

After review of the March 2021 groundwater data, a teleconference was attended by representatives from the NYSDEC (John Miller), the NYSDOH (Jacquelyn Nealon) and SESI (Fuad Dahan and Patricia Petrino) on April 16, 2021. The discussion focused on the current groundwater and sub-slab soil gas data trends and the recent indoor air data. Since both groundwater and sub-slab soil gas are showing consistent reductions and a downward trend, and indoor air concentrations were below NYSDOH action levels, it

was agreed that additional rounds of sampling would be conducted to confirm these trends and the SVE/AS and SSD systems would not be restarted at that time.

Subsequent sampling events in November 2021 and March 2022 revealed elevated levels of PCE and TCE in indoor air and in the sub-slab vapor points on Site, indicating mitigation is required. However, the on-Site groundwater sampling events conducted at the same time showed a significant reduction to on-Site contamination in the groundwater. Based on the results of the sampling, it is recommended that the SSDS be refurbished and activated to mitigate the exceedances to the sub-slab and indoor air.

After the SSDS is activated and a vacuum is established, it is recommended that two (2) rounds of indoor air sampling be conducted to determine if the clothes are off-gassing PCE during steam pressing or during storage. An additional indoor air sample located in the first floor tenant space of the former dry cleaner is also recommended. This would include a total of ten (10) indoor air locations and an ambient air sample. It is not recommended to sample the sub slab while the SSDS is operating.

Continuation of the current groundwater monitoring schedule, as required in the SMP, will be conducted until it is deemed not necessary. This includes the following:

GW Monitoring Wells	Sampling
MW-1S, 2S, 4S, 4I and 5S	Annually
MW- 5I and 6 (Off-Site)	Semi-Annually

However, due to MW-5I having silt above the screen interval, it is recommended this well no longer be sampled as the data is not representative of the screen interval. It is also recommended that this well be closed and no longer utilized.

6.0 OPERATIONS AND MAINTENANCE COMPLIANCE

As previously described, for the ECs, the O and M activities were not needed, since the AS/SVE/SSD system was not operational for the time period after SESI became the Engineer of Record.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 COMPLIANCE WITH THE SMP

The IC requirements of the SMP have met the requirements. The O and M activities are not required at this time for the Site. They will be required upon startup of the refurbished SSDS at which time and a CWMP with modifications to the SMP will be required.

There are no new exposure pathways resulting in an unacceptable risk.

7.2 PERFORMANCE AND EFFECTIVENESS OF THE REMEDY

The remedy performance, effectiveness and protectiveness were evaluated based on an evaluation of the groundwater, sub-slab soil vapor and indoor air data. A summary of the results of the data collected during this reporting period is included Section 5.0. The concentrations of contaminants in the groundwater have reduced significantly since the installation of the remedial measures. The sub slab and indoor air sampling showed elevated levels of dry-cleaning related chemicals (PCE, TCE cis-1,2dichloroethylene). It recommended that the SSDS be refurbished and reactivated to mitigate the potential for vapor migration.

7.3 FUTURE PRR SUBMITTAL

Per the SMP, the frequency of the submittal of the PRR is every year. Changes to the frequency of the PRR submittal are not recommended at this time. The next PRR will be submitted in May 2023.

Figures

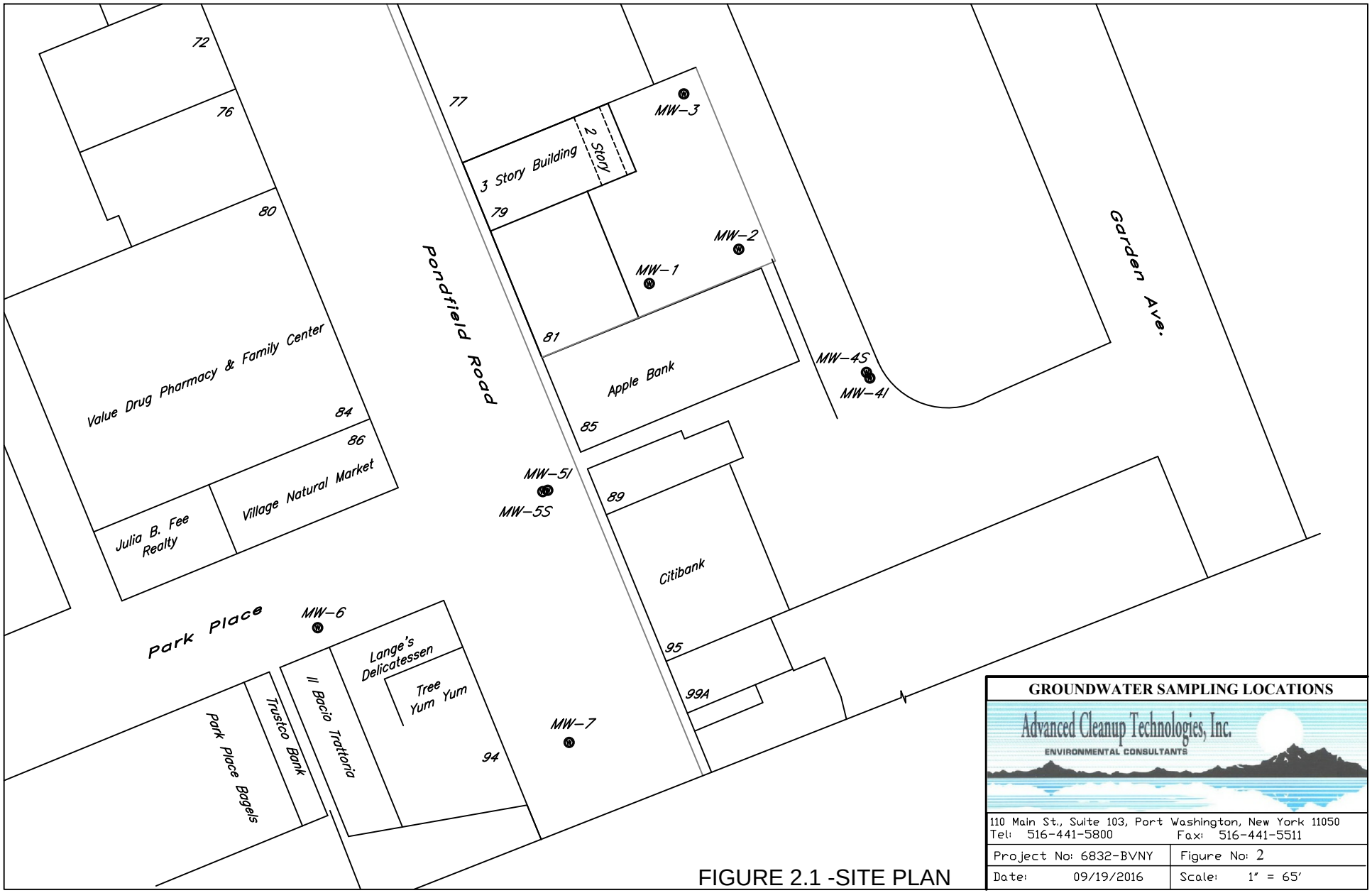


FIGURE 2.1 -SITE PLAN

GROUNDWATER SAMPLING LOCATIONS

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

110 Main St., Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No: 6832-BVNY	Figure No: 2
Date: 09/19/2016	Scale: 1" = 65'

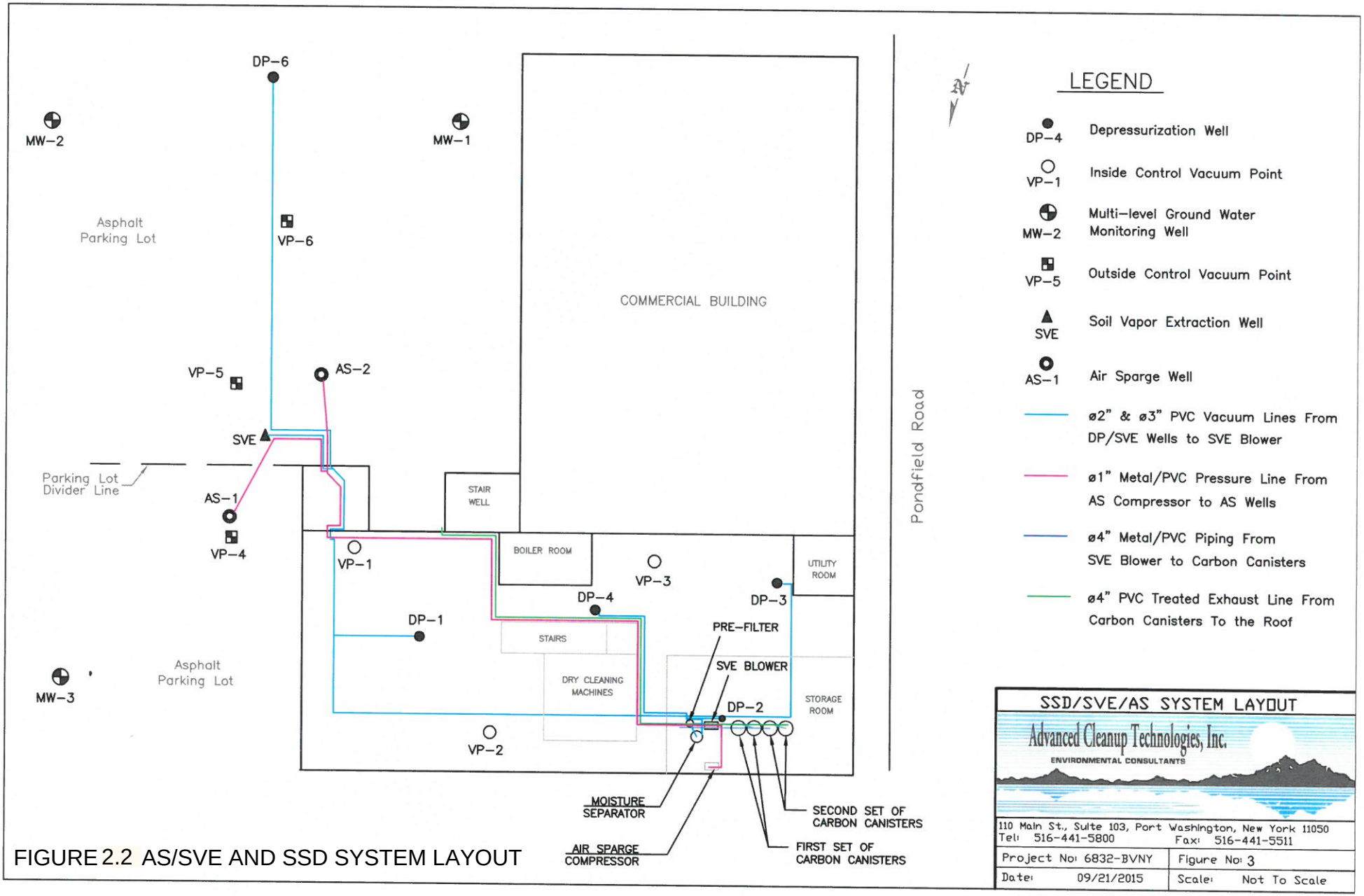
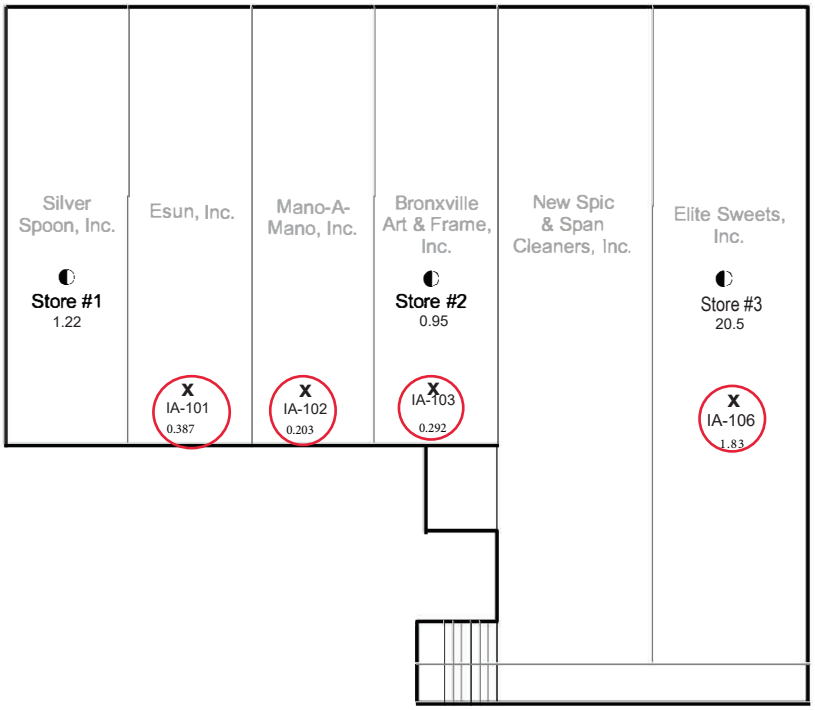


FIGURE 2.2 AS/SVE AND SSD SYSTEM LAYOUT

1ST FLOOR



2ND FLOOR

NOTES:
1. ACT, INC REMEDIAL INVESTIGATION REPORT SHOWS DATA FOR UNIT #14. HOWEVER, THIS LOCATION IS NOT DEPICTED ON FIGURE. THEREFORE, IT IS PRESUMED THAT UNIT #14 WAS INTENED TO BE UNIT #11.

LEGEND

Unit #1 5.49 - PCE CONCENTRATIONS (ug/m3) (2013)

IA-101 - INDOOR AIR SAMPLING LOCATIONS SAMPLED BY SESI (NOV 2021), PCE CONCENTRATIONS (ug/m3)

FIGURE 3 INDOOR AIR SAMPLING LOCATIONS

ONSITE AIR SAMPLING

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS
960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.:6832-BVNY	Figure No.: 8
Date: 09/12/2013	Scale: 1" = 15.25'

Appendix A:
NYSDEC Institutional and Engineering Controls Certification Forms

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. **C360130**

Site Name Spic & Span Cleaners

Site Address: 79-81 Pondfield Road Zip Code: 10708
City/Town: Bronxville
County: Westchester
Site Acreage: 0.287

Reporting Period: ~~December 26, 2019 to April 30, 2022~~
April 30, 2021 to April 30, 2022

	YES	NO
1. Is the information above correct?	☐	X
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?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
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	X	☐
7. Are all ICs in place and functioning as designed?	☐	X

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.

Pat a Lee — 6/23/22

Signature of Owner, Remedial Party or Designated Representative — Date

Appendix B:
SESI Groundwater, Vapor,
Indoor Air Sampling

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville, NY			Job Number:	11663	WELL I.D. : MW-5I			
Personnel:	Jnoon			Date:	11.18.2021	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
		30	NE	22.18	7.82	26.09	25	1	Peristaltic
Turbidity at collection (NTU):		36.2	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	10:50	19.81	7.2	3.32	3.04	143	>1000	-	N
	10:55	19.75	7.23	3.37	2.63	146	942	-	N
	11:00	19.81	7.25	3.39	2.34	148	591	-	N
	11:05	19.97	7.27	3.41	2.12	149	343	-	N
	11:10	20.31	7.29	3.43	1.88	150	204	-	N
	11:15	20.51	7.31	3.44	1.81	150	184	-	N
	11:20	20.9	7.32	3.45	1.54	151	118	-	N
	11:25	21.14	7.34	3.45	1.46	152	80.2	-	N
	11:30	21.38	7.34	3.45	1.35	154	77.4	-	N
	11:35	21.53	7.35	3.45	1.32	155	55.1	-	N
	11:40	21.65	7.35	3.45	1.26	156	42	-	N
	11:45	21.73	7.36	3.45	1.21	157	36.2	-	N

Well Condition Summary

Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	11:50	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville, NY			Job Number:	11663	WELL I.D. : MW-6			
Personnel:	Jnoon			Date:	11.18.2021	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	Well Diameter (Inches)	Pump Peristaltic or Bladder
		29.5	NE	24.77	4.73	27.14	27	1	Peristaltic
Turbidity at collection (NTU):		12	(Less than 5 NTU is desirable)		Duplicate Collected? No			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	9:15	18.64	7.04	2.16	6.59	98	>1000	-	N
	9:20	18.88	6.98	2.19	6.48	99	>1000	-	N
	9:25	18.97	6.95	2.2	6.14	101	876	-	N
	9:30	19.05	6.93	2.2	4.51	104	323	-	N
	9:35	19.11	6.92	2.2	4.52	107	218	-	N
	9:40	19.18	6.92	2.19	4.4	109	104	-	N
	9:45	19.22	6.91	2.19	4.53	109	76.3	-	N
	9:50	19.17	6.91	2.21	4.65	110	37.4	-	N
	9:55	19.19	6.91	2.21	4.6	110	12	-	N

Well Condition Summary

Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	10:00	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville			Job Number:	11663	WELL I.D. : MW-1S (Dup-1)			
Personnel:	JN			Date:		SESI CONSULTING ENGINEERS			
				PID:					
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		16.3		15.46					
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
1L	10:30	12.83	8.23	5.070x1000	8.58	-9	2.4	N/A	
1L	10:35	12.92	8.24	4.79x1000	8.65	-18	2.2	N/A	
1L	10:40	12.93	8.25	4.59x1000	8.56	-13	2.6	N/A	
1L	10:45	13.05	8.25	4.48x1000	8.24	-13	2.5	N/A	
1L	10:50	sample							

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:		Appearance:	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville			Job Number:	11663	WELL I.D. : MW-2S			
Personnel:	JN			Date:		SESI CONSULTING ENGINEERS			
				PID:					
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
				15.95					
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity mS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
1L	11:50	13.78	6.76	1.95	0.6	62	3.6	N/A	N
1L	11:55	13.84	6.57	1.99	0.27	79	0.4	N/A	N
1L	12:00	13.79	6.57	1.99	0.28	92	0.4	N/A	N
1L	12:05	13.77	6.57	2.03	0.18	100	0.2	N/A	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:		Appearance:	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville			Job Number:	11663	WELL I.D. : MW-4S			
Personnel:	JN			Date:		SESI CONSULTING ENGINEERS			
				PID:					
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
				10.32					
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity mS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
1L	12:50	12.83	6.35	2.49	0.68	95	66.2	10.5	N
1L	12:55	12.84	6.31	2.50	0.26	119	32.8	10.51	N
1L	13:00	12.82	6.30	2.50	0.09	126	19.0	10.52	N
1L	13:05	12.89	6.29	2.50	0.00	132	8.5	10.53	N
Well Condition Summary									
Cover: Y / N		Bolts: Y / N		Concrete Pad OK: Y / N		Gripper: Y / N			
Sample Collection Information									
Sample Time:		Appearance:		Filtered Sample Turbidity:		OTHER:			

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK							
Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Bronxville			Job Number:	11663	WELL I.D. : MW-5S			
Personnel:	JN			Date:		SESI CONSULTING ENGINEERS			
				PID:					
Stickup? Y/N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		29.7		24.05					
Turbidity at collection (NTU):			(Less than 5 NTU is desirable)		Duplicate Collected? Y/N			Filtered Sample Y/N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity mS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
1L	14:45	18.67	7.32	3.55	2.89	126	55.3	24.48	N
1L	14:50	18.34	7.33	3.62	1.89	120	46.8	24.58	N
1L	14:55	17.94	7.34	3.68	0.78	112	59.3	24.50	N
1L	15:00	17.34	7.34	3.69	0.5	107	35.2	24.50	N

Well Condition Summary

Cover: Y / N	Bolts: Y / N		Concrete Pad OK: Y / N	Gripper: Y / N	

Sample Collection Information

Sample Time:		Appearance:	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

Air Sampling Data Sheet

VI Sampling Event Date: 11/17/21 **Project:**
Spic and Span Cleaners
Weather Conditions: 40° Overcast **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
VP-2	Basement	Start	11:44	Initial	30.05	Canister ID #	521
		End	11:58	Final	4.74	Flow Controller #	FC01777

Canister Pressure Check

Time	11:44	11:58					
Vacuum (in Hg)	30.05	4.74					

Sample Type: Soil-Gas **Timeframe:** 8-Hour **Canister Type:** 2.7L Summa

Notes: **Sample Height / Depth (ft.):** 0 Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
VP-1	Basement	Start	11:21	Initial	30.02	Canister ID #	236
		End	11:36	Final	4.66	Flow Controller #	FC1288

Canister Pressure Check

Time	11:21	11:36					
Vacuum (in Hg)	30.02	4.66					

Sample Type: Soil-Gas **Timeframe:** 8-Hour **Canister Type:** 2.7L Summa

Notes: **Sample Height / Depth (ft.):** 0 Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
VP-3	Basement	Start	12:07	Initial	29.62	Canister ID #	984
		End	12:18	Final	4.95	Flow Controller #	FC0355

Canister Pressure Check

Time	12:07	12:18					
Vacuum (in Hg)	29.62	4.95					

Sample Type: Soil-Gas **Timeframe:** 8-Hour **Canister Type:** 2.7L Summa

Notes: **Sample Height / Depth (ft.):** 0 Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 11/17/21 **Project:**
Spic and Span Cleaners

Weather Conditions: 40° Overcast **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
DUP-1	Basement	Start	12:25	Initial	-42.01	Canister ID #	2317
		End	12:37	Final	-41.81	Flow Controller #	FC152

Canister Pressure Check

Time	12:25	12:37	pressure gauge failure				
Vacuum (in Hg)	-42.01	-41.81					

Sample Type: Soil-Gas **Timeframe: 8-Hour** **Canister Type: 2.7**L Summa

Notes: **Sample Height / Depth (ft.):** 0 Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
AA-1	Basement	Start	9:22	Initial	30.61	Canister ID #	1522
		End	17:19	Final	10:30	Flow Controller #	01537

Canister Pressure Check

Time	9:22	17:19					
Vacuum (in Hg)	30.61	10:30					

Sample Type: Soil-Gas **Timeframe: 8-Hour** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): 0 Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-2	Basement	Start	9:25	Initial	30.69	Canister ID #	2933
		End	17:17	Final	11:13	Flow Controller #	01610

Canister Pressure Check

Time	9:25	17:17					
Vacuum (in Hg)	30.69	11.13					

Sample Type: Soil-Gas **Timeframe: 8-Hour** **Canister Type:** 6L Summa
Notes: **Sample Height / Depth (ft.):** 0 Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 11/17/21 **Project:**
Spic and Span Cleaners
Weather Conditions: 40° Overcast **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-1	Basement	Start	9:24	Initial	29.73	Canister ID #	946
		End	17:15	Final	10.26	Flow Controller #	01601

Canister Pressure Check

Time	9:24	17:15					
Vacuum (in Hg)	29.73	10.26					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-3	Basement	Start	9:24	Initial	30.97	Canister ID #	3062
		End	17:18	Final	11.83	Flow Controller #	0832

Canister Pressure Check

Time	9:24	17:18					
Vacuum (in Hg)	30.97	11.83					

Sample Type: Soil-Gas **Timeframe:** 30 Min **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-101	Basement	Start	8:43	Initial	30.93	Canister ID #	2062
		End	17:06	Final	11.9	Flow Controller #	0722

Canister Pressure Check

Time	8:43	17:06					
Vacuum (in Hg)	30.93	11.9					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa
Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 11/17/21 **Project:**

Spic and Span Cleaners

Weather Conditions: 40° Overcast **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-102	Basement	Start	8:41	Initial	30.81	Canister ID #	775
		End	17:07	Final	11.09	Flow Controller #	01582

Canister Pressure Check

Time	8:41	17:07					
Vacuum (in Hg)	30.81	-18.81					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-103	Basement	Start	8:57	Initial	30.82	Canister ID #	3133
		End	17:09	Final	11.21	Flow Controller #	0470

Canister Pressure Check

Time	8:57	17:09					
Vacuum (in Hg)	30.82	11.21					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-104	Basement	Start	8:51	Initial	30.62	Canister ID #	2932
		End	17:01	Final	10.72	Flow Controller #	0132

Canister Pressure Check

Time	8:51	17:01					
Vacuum (in Hg)	30.62	10.72					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 11/17/21 **Project:**
Spic and Span Cleaners
Weather Conditions: 40° Overcast **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-105	Basement	Start	8:49	Initial	30.87	Canister ID #	2678
		End	17:04	Final	10.86	Flow Controller #	0124

Canister Pressure Check

Time	8:49	17:04					
Vacuum (in Hg)	30.87	10.86					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-106	Basement	Start	8:34	Initial	30.19	Canister ID #	2912
		End	16:55	Final	18.52	Flow Controller #	0364

Canister Pressure Check

Time	8:34	16:55	pressure gauge seems stuck				
Vacuum (in Hg)	30.19	18.52					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** **Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
		Start		Initial		Canister ID #	
		End		Final		Flow Controller #	

Canister Pressure Check

Time							
Vacuum (in Hg)							

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa
Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 3/28/22 **Project: Spic and Span Cleaners**

Weather Conditions: 75° Clear **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: MEM**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-101	Basement	Start	9:19	Initial	30	Canister ID #	A032
		End	16:14	Final	10	Flow Controller #	FC173

Canister Pressure Check

Time	9:19	16:14					
Vacuum (in Hg)	30	10					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-102	Basement	Start	9:15	Initial	28	Canister ID #	A1605
		End	14:46	Final	11.5	Flow Controller #	FC566

Canister Pressure Check

Time	9:15	14:46					
Vacuum (in Hg)	28	11.5					

Sample Type: Soil-Gas **Timeframe:** 30 Min **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-103	Basement	Start	9:16	Initial	27	Canister ID #	A357
		End	14:45	Final	9.5	Flow Controller #	MC234

Canister Pressure Check

Time	9:16	14:45					
Vacuum (in Hg)	27	9.5					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 3/28/22 **Project:**
Spic and Span Cleaners
Weather Conditions: 75° Clear **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-104	Basement	Start	9:35	Initial	30	Canister ID #	A1472
		End	16:16	Final	11	Flow Controller #	FC632

Canister Pressure Check

Time	9:35	16:16					
Vacuum (in Hg)	30	11					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-105	Basement	Start	9:33	Initial	29	Canister ID #	M684
		End	16:47	Final	5	Flow Controller #	FC660

Canister Pressure Check

Time	9:33	16:47					
Vacuum (in Hg)	29	5					

Sample Type: Soil-Gas **Timeframe:** 30 Min **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-106	Basement	Start	9:27	Initial	30	Canister ID #	A019
		End	17:24	Final	8	Flow Controller #	FC723

Canister Pressure Check

Time	9:27	17:24					
Vacuum (in Hg)	30	8					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 3/28/22 **Project:**
Spic and Span Cleaners
Weather Conditions: 75° Clear **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
AA-1	Basement	Start	9:29	Initial	30	Canister ID #	A360
		End	17:30	Final	5	Flow Controller #	FC1006

Canister Pressure Check

Time	9:29	17:30					
Vacuum (in Hg)	30	5					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-1	Basement	Start	9:42	Initial	27	Canister ID #	A1486
		End	17:25	Final	18.5	Flow Controller #	FC679

Canister Pressure Check

Time	9:42	17:25					
Vacuum (in Hg)	27	18.5					

Sample Type: Soil-Gas **Timeframe:** 30 Min **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-2	Basement	Start	9:41	Initial	29.5	Canister ID #	A061
		End	16:04	Final	9.5	Flow Controller #	MC036

Canister Pressure Check

Time	9:41	16:04					
Vacuum (in Hg)	29.5	9.5					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa
Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Air Sampling Data Sheet

VI Sampling Event Date: 3/28/22 **Project:**
Spic and Span Cleaners
Weather Conditions: 75° Clear **Building HVAC Status:**

Building Site Address: 79-81 Pondfield Road, Bronxville, NY **Sampling Personnel: JRN**

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
IA-3	Basement	Start	9:43	Initial	29	Canister ID #	A992
		End	16:03	Final	10	Flow Controller #	FC346

Canister Pressure Check

Time	9:43	16:03					
Vacuum (in Hg)	29	10					

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
		Start		Initial		Canister ID #	
		End		Final		Flow Controller #	

Canister Pressure Check

Time							
Vacuum (in Hg)							

Sample Type: Soil-Gas **Timeframe:** 30 Min **Canister Type:** 6L Summa

Notes: **Sample Height / Depth (ft.): Sub-slab Feet BGS** **Analytical Method:** TO-15

Sample ID	Sampling Location	Sampling Time		Vacuum (in Hg)		Canister Details	
		Start		Initial		Canister ID #	
		End		Final		Flow Controller #	

Canister Pressure Check

Time							
Vacuum (in Hg)							

Sample Type: Soil-Gas **Timeframe: 30 Min** **Canister Type:** 6L Summa
Notes: **Sample Height / Depth (ft.):** Sub-slab Feet BGS **Analytical Method:** TO-15

Appendix C:
Laboratory Data

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2163944

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

Table of Contents

Table of Contents

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663

Lab Number: L2163944
Report Date: 12/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2163944-01	MW-5I	WATER	79-81 PONDFIELD ROAD, BRONXVILLE, NY	11/18/21 11:45	11/18/21
L2163944-02	MW-6	WATER	79-81 PONDFIELD ROAD, BRONXVILLE, NY	11/18/21 09:55	11/18/21
L2163944-03	FIELD BLANK	WATER	79-81 PONDFIELD ROAD, BRONXVILLE, NY	11/18/21 11:53	11/18/21
L2163944-04	TRIP BLANK	WATER	79-81 PONDFIELD ROAD, BRONXVILLE, NY	11/15/21 00:00	11/18/21
L2163944-05	TRIP BLANK EXTRA	WATER	79-81 PONDFIELD ROAD, BRONXVILLE, NY	11/16/21 00:00	11/18/21

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

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

Authorized Signature: Cristen Walker Report Date: 12/05/21

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

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

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2163944

Received : 18-NOV-2021
Reviewer : Caitlin Cronin

Account Name : Soils Engineering Services, Inc.
Project Number : 11663
Project Name : SPIC AND SPAN CLEANERS

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.9	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **YES**
Following additional samples were received: -05

3) Are there any sample container discrepancies? **YES**
Following containers were not received for listed analysis: -01 (NYTCL-8270-LVI), -01 (PREPT), -01 (NYTCL-8082-LVI),-01 (NYTCL-8081), -01 (TCN-9010), -02 (NYTCL-8270-LVI), -02 (NYTCL-8082-LVI), -02 (TCN-9010), -02 (NYTCL-8081), -02(PREPT), -03 (NYTCL-8082-LVI), -03 (PREPT), -03 (NYTCL-8270-LVI), -03 (TCN-9010), -03(NYTCL-8081)

4) Are there any discrepancies between sample labels & COC? **NO**

5) Are samples in appropriate containers for requested analysis? **YES**

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Dec 06 2021, 02:39 pm

Login Number: L2163944
Account: SESI Soils Engineering Services, Inc.Project: 11663
Received: 18NOV21 Due Date: 06DEC21

Sample #	Client ID	Mat	PR	Collected
L2163944-01	MW-5I	S0	1	18NOV21 11:45
8260: report 15 TICs ASP-B Package Due Date: 12/06/21				
ASP-B,NYTCL-8260				
L2163944-02	MW-6	S0	1	18NOV21 09:55
8260: report 15 TICs Package Due Date: 12/06/21				
NYTCL-8260				
L2163944-03	FIELD BLANK	S0	1	18NOV21 11:53
8260: report 15 TICs Package Due Date: 12/06/21				
NYTCL-8260				
L2163944-04	TRIP BLANK	S0	1	15NOV21 00:00
8260: report 15 TICs Package Due Date: 12/06/21				
NYTCL-8260				
L2163944-05	TRIP BLANK EXTRA	S0	1	16NOV21 00:00
8260: report 15 TICs Package Due Date: 12/06/21				
ARCHIVE				

Logged By: Caitlin Cronin

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/18/21

ALPHA Job #: L2163944

Client Information

Client: SESI Consulting Engineers
Address: 12A Maple Ave.
Pine Brook, NJ
Phone: 1 (973) 808-9050
Fax:
Email: Patricia.Petrino@Sesi.org

Project Information

Project Name: Spic and Span Cleaners
Project Location: 79-81 Pontfield Road, Bronxville NY
Project # 11663
(Use Project name as Project #) ☐
Project Manager: Patricia Petrino
ALPHAQuote #:

Turn-Around Time

Standard ☒ 5 Days Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☒ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL/TAL +30

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/TAL +30	Sample Specific Comments
63944 - 01	MW-5I	11/18/21	1145	GW	JRN	X	
02	MW-6	11/18/21	0955	↓	↓	X	
03	Field Blank	11/18/21	11:53	Blank	↓	X	
04	Trip Blank	11/15/21		↓	MR	X	

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/21	GJAC (AAL)	11/18/21 17:10
GJAC	11/18/21, 15:10	AAL	1930
AAL	11/18		11/18/21 21:30
	11/18/21 23:40		11/18/21 23:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Soils Engineering Services, Inc.
Project Name: SPIC AND SPAN CLEANERS

Lab Number: L2163944
Project Number: 11663
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-5I (L2163944-01D)	103	105	103	98	0
MW-6 (L2163944-02D)	105	103	103	99	0
FIELD BLANK (L2163944-03)	105	105	103	117	0
TRIP BLANK (L2163944-04)	100	107	106	97	0
WG1577201-3LCS	97	104	102	96	0
WG1577201-4LCSD	98	125	102	100	0
WG1577201-5BLANK	105	104	105	103	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Matrix	: WATER		
LCS Sample ID	: WG1577201-3	**Analysis Date** : 11/29/21 07:24	**File ID** : V01211129A02
LCSD Sample ID	: WG1577201-4	**Analysis Date** : 11/29/21 07:47	**File ID** : V01211129A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.3	93	10	9.2	92	1	70-130	20
1,1-Dichloroethane	10	9.6	96	10	9.0	90	6	70-130	20
Chloroform	10	9.6	96	10	9.9	99	3	70-130	20
Carbon tetrachloride	10	9.5	95	10	9.9	99	4	63-132	20
1,2-Dichloropropane	10	9.5	95	10	10	100	5	70-130	20
Dibromochloromethane	10	9.8	98	10	11	110	12	63-130	20
1,1,2-Trichloroethane	10	10	100	10	12	120	18	70-130	20
Tetrachloroethene	10	11	110	10	12	120	9	70-130	20
Chlorobenzene	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	10	10	100	10	8.9	89	12	62-150	20
1,2-Dichloroethane	10	9.5	95	10	9.6	96	1	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	10	100	3	67-130	20
Bromodichloromethane	10	9.0	90	10	9.4	94	4	67-130	20
trans-1,3-Dichloropropene	10	10	100	10	12	120	18	70-130	20
cis-1,3-Dichloropropene	10	9.2	92	10	9.6	96	4	70-130	20
1,1-Dichloropropene	10	9.8	98	10	10	100	2	70-130	20
Bromoform	10	9.4	94	10	9.2	92	2	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	10	100	10	67-130	20
Benzene	10	9.5	95	10	10	100	5	70-130	20
Toluene	10	10	100	10	12	120	18	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	8.2	82	10	7.3	73	12	64-130	20
Bromomethane	10	6.0	60	10	5.7	57	5	39-139	20
Vinyl chloride	10	10	100	10	8.8	88	13	55-140	20
Chloroethane	10	10	100	10	9.2	92	8	55-138	20
1,1-Dichloroethene	10	9.8	98	10	8.6	86	13	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Matrix	: WATER		
LCS Sample ID	: WG1577201-3 **Analysis Date** : 11/29/21 07:24	**File ID**	: V01211129A02
LCSD Sample ID	: WG1577201-4 **Analysis Date** : 11/29/21 07:47	**File ID**	: V01211129A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	9.6	96	10	9.2	92	4	70-130	20
Trichloroethene	10	10	100	10	9.8	98	2	70-130	20
1,2-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	9.4	94	10	9.0	90	4	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	9.4	94	10	10	100	6	70-130	20
Dibromomethane	10	9.3	93	10	9.3	93	0	70-130	20
1,2,3-Trichloropropane	10	10	100	10	9.8	98	2	64-130	20
Acrylonitrile	10	9.8	98	10	8.9	89	10	70-130	20
Styrene	20	20	100	20	20	100	0	70-130	20
Dichlorodifluoromethane	10	10	100	10	8.9	89	12	36-147	20
Acetone	10	7.5	75	10	7.4	74	1	58-148	20
Carbon disulfide	10	9.3	93	10	8.0	80	15	51-130	20
2-Butanone	10	7.7	77	10	8.4	84	9	63-138	20
Vinyl acetate	10	10	100	10	9.9	99	1	70-130	20
4-Methyl-2-pentanone	10	9.6	96	10	10	100	4	59-130	20
2-Hexanone	10	9.0	90	10	9.1	91	1	57-130	20
Bromochloromethane	10	9.8	98	10	10	100	2	70-130	20
2,2-Dichloropropane	10	10	100	10	10	100	0	63-133	20
1,2-Dibromoethane	10	10	100	10	12	120	18	70-130	20
1,3-Dichloropropane	10	10	100	10	12	120	18	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100	10	10	100	0	64-130	20
Bromobenzene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Matrix	: WATER		
LCS Sample ID	: WG1577201-3 **Analysis Date** : 11/29/21 07:24	**File ID**	: V01211129A02
LCSD Sample ID	: WG1577201-4 **Analysis Date** : 11/29/21 07:47	**File ID**	: V01211129A03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	11	110	10	11	110	0	53-136	20
sec-Butylbenzene	10	11	110	10	11	110	0	70-130	20
tert-Butylbenzene	10	11	110	10	10	100	10	70-130	20
o-Chlorotoluene	10	11	110	10	11	110	0	70-130	20
p-Chlorotoluene	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	9.4	94	10	8.8	88	7	41-144	20
Hexachlorobutadiene	10	10	100	10	9.8	98	2	63-130	20
Isopropylbenzene	10	11	110	10	10	100	10	70-130	20
p-Isopropyltoluene	10	11	110	10	10	100	10	70-130	20
Naphthalene	10	8.6	86	10	7.8	78	10	70-130	20
n-Propylbenzene	10	11	110	10	11	110	0	69-130	20
1,2,3-Trichlorobenzene	10	8.7	87	10	7.9	79	10	70-130	20
1,2,4-Trichlorobenzene	10	9.3	93	10	8.7	87	7	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	10	100	0	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	670	134	500	630	126	6	56-162	20
p-Diethylbenzene	10	10	100	10	10	100	0	70-130	20
p-Ethyltoluene	10	10	100	10	10	100	0	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.6	96	10	9.4	94	2	70-130	20
Ethyl ether	10	10	100	10	8.5	85	16	59-134	20
trans-1,4-Dichloro-2-butene	10	10	100	10	9.8	98	2	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab Sample ID	: WG1577201-5	**Lab File ID**	: V01211129A06
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 11/29/21 08:56

Client Sample No.	Lab Sample ID	Analysis Date
WG1577201-3LCS	WG1577201-3	11/29/21 07:24
WG1577201-4LCSD	WG1577201-4	11/29/21 07:47
FIELD BLANK	L2163944-03	11/29/21 12:46
TRIP BLANK	L2163944-04	11/29/21 13:09
MW-5I	L2163944-01D	11/29/21 13:32
MW-6	L2163944-02D	11/29/21 13:55

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Instrument ID	: VOA101	**Analysis Date**	: 11/04/21 08:50
Tune Standard	: WG1567338-1	**Tune File ID**	: V01211104BFB_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0 of mass 95	76.5
175	5.0 - 9.0% of mass 174	6 (7.8)1
176	95.0 - 101% of mass 174	74.5 (97.4)1
177	5.0 - 9.0% of mass 176	4.7 (6.3)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1497829-1	V01211104A04	11/04/21 10:22
STD0.5PPB	R1497829-2	V01211104A06	11/04/21 11:08
STD2PPB	R1497829-3	V01211104A08	11/04/21 11:54
STD10PPB	R1497829-4	V01211104A09	11/04/21 12:18
STD30PPB	R1497829-5	V01211104A10	11/04/21 12:41
STD80PPB	R1497829-7	V01211104A11	11/04/21 13:04
STD120PPB	R1497829-6	V01211104A12	11/04/21 13:27
STD200PPB	R1497829-8	V01211104A13	11/04/21 13:50
Correlation Data Summary	R1497829-9	V01211104A20	11/04/21 16:31
ICV Quant Report	R1497829-9	V01211104A20	11/04/21 16:31

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Instrument ID	: VOA101	**Analysis Date**	: 11/29/21 06:46
Tune Standard	: WG1577201-1	**Tune File ID**	: V01211129ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0 of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.6 (7.5)1
176	95.0 - 101% of mass 174	73.3 (97.6)1
177	5.0 - 9.0% of mass 176	4.6 (6.3)2

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

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1577201-2CCAL	WG1577201-2	V01211129A02	11/29/21 07:24
WG1577201-3LCS	WG1577201-3	V01211129A02	11/29/21 07:24
WG1577201-4LCSD	WG1577201-4	V01211129A03	11/29/21 07:47
WG1577201-5BLANK	WG1577201-5	V01211129A06	11/29/21 08:56
FIELD BLANK	L2163944-03	V01211129A16	11/29/21 12:46
TRIP BLANK	L2163944-04	V01211129A17	11/29/21 13:09
MW-5I	L2163944-01D	V01211129A18	11/29/21 13:32
MW-6	L2163944-02D	V01211129A19	11/29/21 13:55

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Instrument ID	: VOA101	**Analysis Date**	: 11/29/21 07:24:00
Sample No	: WG1577201-2	**Lab File ID**	: V01211129A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1577201-2	521137	6.23	373965	9.77	199324	12.43
Upper Limit	1042274	6.73	747930	10.27	398648	12.93
Lower Limit	260569	5.73	186983	9.27	99662	11.93
Sample ID						
WG1577201-3 LCS	521137	6.23	373965	9.77	199324	12.43
WG1577201-4 LCSD	595338	6.23	377157	9.77	200443	12.43
WG1577201-5 BLANK	514833	6.22	424013	9.77	207303	12.43
FIELD BLANK	455518	6.23	343531	9.77	171257	12.43
TRIP BLANK	589245	6.23	434598	9.77	209617	12.43
MW-5I	450756	6.23	344055	9.78	171336	12.43
MW-6	454271	6.22	351323	9.77	173494	12.43

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 1

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.210	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.240	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.200	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
Xylene (Total)	1330-20-7	1	0.330	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.430	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.220	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,3,5-Trichlorobenzene	108-70-3	2	0.141	ug/l	70-130	20	70-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
Methyl Acetate	79-20-9	10	0.234	ug/l	70-130	20	70-130	20	20			
Ethyl Acetate	141-78-6	10	0.716	ug/l	70-130	20	70-130	20	20			
Isopropyl Ether	108-20-3	2	0.425	ug/l	70-130	20	70-130	20	20			
Cyclohexane	110-82-7	10	0.271	ug/l	70-130	20	70-130	20	20			
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.179	ug/l	70-130	20	70-130	20	20			

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Date Created: 06/19/18
Created By: Jason Hebert
File: PM5049-1
Page: 3

Volatile Organics - EPA 8260C (WATER)

Holding Time: 14 days
Container / Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Tertiary-Amyl Methyl Ether	994-05-8	2	0.278	ug/l	66-130	20	66-130	20	20			
1,4-Dioxane	123-91-1	250	60.8	ug/l	56-162	20	56-162	20	20			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	10	0.148	ug/l	70-130	20	70-130	20	20			
Methyl cyclohexane	108-87-2	10	0.396	ug/l	70-130	20	70-130	20	20			
1,4-Diethylbenzene	105-05-5	2	0.392	ug/l	70-130	20	70-130	20	20			
4-Ethyltoluene	622-96-8	2	0.340	ug/l	70-130	20	70-130	20	20			
1,2,4,5-Tetramethylbenzene	95-93-2	2	0.542	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Date Created: 06/19/18
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Page: 1

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.140	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.230	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.140	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.560	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
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Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	10	4.81	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	2	0.173	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.650	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	100	100	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	4	0.950	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	10	1.21	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	2	0.213	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	10	0.544	ug/kg	70-130	30	70-130	30	30			

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-LOW)

Holding Time: 14 days
Container/Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	2	0.128	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	2	0.176	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	100	35.1	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	4	0.693	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	250	115	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	50	7.25	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	75	7.00	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	50	11.5	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	50	6.25	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	50	7.00	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	50	13.4	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	25	9.80	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	25	6.35	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	200	34.8	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	50	12.9	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	25	8.35	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	25	5.45	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	50	13.7	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	25	7.90	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,3-Dichloropropene, Total	542-75-6	25	7.90	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	25	7.95	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	200	12.3	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	25	8.30	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	25	8.30	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	50	27.2	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	50	7.05	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	200	46.6	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	100	29.1	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	50	16.8	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	100	22.6	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	50	11.9	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	75	6.85	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	25	6.85	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	100	7.20	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	100	7.40	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	100	8.55	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	100	10.1	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	100	28.0	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	50	14.6	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
Xylene (Total)	1330-20-7	50	14.6	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	50	8.75	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
1,2-Dichloroethene (total)	540-59-0	50	6.85	ug/kg				30	30			
Dibromomethane	74-95-3	100	11.9	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dichlorobutane	110-56-5	500	11.3	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	100	6.35	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	50	9.80	ug/kg	70-130	30	70-130	30	30			
Dichlorodifluoromethane	75-71-8	500	45.8	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	500	241	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	500	228	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	500	111	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	500	108	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	500	64.0	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	500	59.0	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	500	79.0	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	200	57.5	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	100	10.3	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	200	79.5	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	100	10.1	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	50	14.0	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	100	8.35	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	25	6.60	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	100	7.25	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	50	8.35	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	50	7.30	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	100	5.90	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trichlorobenzene	108-70-3	100	8.65	ug/kg	70-139	30	70-130	30	30			
o-Chlorotoluene	95-49-8	100	9.55	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	100	5.40	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	150	49.9	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	200	8.45	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	50	5.45	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	50	5.45	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	200	32.5	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	50	8.55	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	100	16.1	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	100	13.6	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	100	9.65	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	100	16.7	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	250	71.0	ug/kg	70-130	30	70-130	30	30			
iso-Propyl Alcohol	67-63-0	5000	5000	ug/kg	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	100	17.1	ug/kg	67-130	30	67-130	30	30			
Methyl Acetate	79-20-9	200	47.5	ug/kg	65-130	30	65-130	30	30			
Ethyl Acetate	141-78-6	500	60.5	ug/kg	70-130	30	70-130	30	30			
Isopropyl Ether	108-20-3	100	10.7	ug/kg	66-130	30	66-130	30	30			
Cyclohexane	110-82-7	500	27.2	ug/kg	70-130	30	70-130	30	30			

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Volatile Organics - EPA 8260C (SOIL-HIGH)

Holding Time: 14 days
Container / Sample Preservation: 1 - Vial Large Septa unpreserved (4oz)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Ethyl-Tert-Butyl-Ether	637-92-3	100	6.40	ug/kg	70-130	30	70-130	30	30			
Tertiary-Amyl Methyl Ether	994-05-8	100	8.80	ug/kg	70-130	30	70-130	30	30			
1,4-Dioxane	123-91-1	5000	1755	ug/kg	65-136	30	65-136	30	30			
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	200	34.7	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-01D	**Date Collected**	: 11/18/21 11:45
Client ID	: MW-5I	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A18	**Instrument ID**	: VOA101
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	190	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-01D	**Date Collected**	: 11/18/21 11:45
Client ID	: MW-5I	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A18	**Instrument ID**	: VOA101
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	2.0	0.14	U
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	1.6	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U
540-59-0	1,2-Dichloroethene, Total	ND	5.0	1.4	U
74-95-3	Dibromomethane	ND	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-01D	**Date Collected**	: 11/18/21 11:45
Client ID	: MW-5I	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A18	**Instrument ID**	: VOA101
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U
108-86-1	Bromobenzene	ND	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND	500	120	U
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-01D	**Date Collected**	: 11/18/21 11:45
Client ID	: MW-5I	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A18	**Instrument ID**	: VOA101
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-01D	**Date Collected**	: 11/18/21 11:45
Client ID	: MW-5I	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:32
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A18	**Instrument ID**	: VOA101
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-02D	**Date Collected**	: 11/18/21 09:55
Client ID	: MW-6	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A19	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	250	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
563-58-6	1,1-Dichloropropene	ND	6.2	1.8	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-02D	**Date Collected**	: 11/18/21 09:55
Client ID	: MW-6	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A19	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	2.5	0.18	U
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	0.52	1.2	0.44	J
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	ND	6.2	1.8	U
540-59-0	1,2-Dichloroethene, Total	ND	6.2	1.8	U
74-95-3	Dibromomethane	ND	12	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	6.2	1.8	U
107-13-1	Acrylonitrile	ND	12	3.8	U
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-02D	**Date Collected**	: 11/18/21 09:55
Client ID	: MW-6	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A19	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
142-28-9	1,3-Dichloropropane	ND	6.2	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.8	U
108-86-1	Bromobenzene	ND	6.2	1.8	U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
95-49-8	o-Chlorotoluene	ND	6.2	1.8	U
106-43-4	p-Chlorotoluene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
87-68-3	Hexachlorobutadiene	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
123-91-1	1,4-Dioxane	ND	620	150	U
105-05-5	p-Diethylbenzene	ND	5.0	1.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-02D	**Date Collected**	: 11/18/21 09:55
Client ID	: MW-6	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A19	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	5.0	1.8	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	5.0	1.4	U
60-29-7	Ethyl ether	ND	6.2	1.8	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-02D	**Date Collected**	: 11/18/21 09:55
Client ID	: MW-6	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:55
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A19	**Instrument ID**	: VOA101
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-03	**Date Collected**	: 11/18/21 11:53
Client ID	: FIELD BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 12:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-03	**Date Collected**	: 11/18/21 11:53
Client ID	: FIELD BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 12:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-03	**Date Collected**	: 11/18/21 11:53
Client ID	: FIELD BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 12:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-03	**Date Collected**	: 11/18/21 11:53
Client ID	: FIELD BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 12:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-03	**Date Collected**	: 11/18/21 11:53
Client ID	: FIELD BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 12:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A16	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-04	**Date Collected**	: 11/15/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-04	**Date Collected**	: 11/15/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-04	**Date Collected**	: 11/15/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-04	**Date Collected**	: 11/15/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: L2163944-04	**Date Collected**	: 11/15/21 00:00
Client ID	: TRIP BLANK	**Date Received**	: 11/18/21
Sample Location	: 79-81 PONDFIELD ROAD, BRONXVILLE, NY	**Date Analyzed**	: 11/29/21 13:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: NLK
Lab File ID	: V01211129A17	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: WG1577201-5	**Date Collected**	: NA
Client ID	: WG1577201-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/29/21 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V01211129A06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: WG1577201-5	**Date Collected**	: NA
Client ID	: WG1577201-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/29/21 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V01211129A06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: WG1577201-5	**Date Collected**	: NA
Client ID	: WG1577201-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/29/21 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V01211129A06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: WG1577201-5	**Date Collected**	: NA
Client ID	: WG1577201-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/29/21 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V01211129A06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Tentatively Identified Compounds
Form 1
Volatile Organics by GC/MS

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663
Lab ID	: WG1577201-5	**Date Collected**	: NA
Client ID	: WG1577201-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 11/29/21 08:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: PD
Lab File ID	: V01211129A06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	:	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

Number TICS found: 0 **Concentration Units: ug/L**

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	NO TENTATIVELY IDENTIFIED COMPOUNDS			

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 30 12:20:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	455518	10.000	ug/L	0.00
Standard Area 1 = 521137			Recovery = 87.41%			
59) Chlorobenzene-d5	9.771	117	343531	10.000	ug/L	0.00
Standard Area 1 = 373965			Recovery = 91.86%			
79) 1,4-Dichlorobenzene-d4	12.432	152	171257	10.000	ug/L	0.00
Standard Area 1 = 199324			Recovery = 85.92%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.410	113	136242	11.678	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.78%			
43) 1,2-Dichloroethane-d4	5.937	65	135985	10.457	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.57%			
60) Toluene-d8	7.922	98	446309	10.512	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.12%			
83) 4-Bromofluorobenzene	11.238	95	160886	10.308	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.966	50	224		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	2.384	94	115		N.D.	
6) Chloroethane	2.504	64	69		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
8) Ethyl ether	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	3.182	76	1512		N.D.	
15) Methylene chloride	3.706	84	58		N.D.	
17) Acetone	3.759	43	1490M1	0.615	ug/L	
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
20) Methyl tert-butyl ether	0.000		0		N.D.	
23) 1,1-Dichloroethane	0.000		0		N.D.	
25) Acrylonitrile	0.000		0		N.D.	
27) Vinyl acetate	0.000		0		N.D.	
28) cis-1,2-Dichloroethene	5.050	96	58		N.D.	
29) 2,2-Dichloropropane	0.000		0		N.D.	
30) Bromochloromethane	0.000		0		N.D.	
32) Chloroform	0.000		0		N.D.	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 30 12:20:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.817	78	28		N.D.	
44) 1,2-Dichloroethane	6.018	62	59		N.D.	
48) Trichloroethene	6.347	95	92		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.984	92	138		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.833	91	28		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	10.031	106	55		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.931	105	78		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.394	91	28		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.520	105	51		N.D.	
89) 2-Chlorotoluene	11.425	91	26		N.D.	
90) 1,3,5-Trimethylbenzene	11.520	105	51		N.D.	
91) 1,2,3-Trichloropropane	11.737	75	33		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	11.774	91	28		N.D.	
94) tert-Butylbenzene	11.960	119	27		N.D.	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 30 12:20:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.027	105	32	N.D.		
98)	sec-Butylbenzene	12.142	105	82	N.D.		
99)	p-Isopropyltoluene	12.284	119	257	N.D.		
100)	1,3-Dichlorobenzene	12.434	146	29	N.D.		
101)	1,4-Dichlorobenzene	12.451	146	97	N.D.		
102)	p-Diethylbenzene	12.652	119	29	N.D.		
103)	n-Butylbenzene	12.724	91	65	N.D.		
104)	1,2-Dichlorobenzene	0.000		0	N.D.		
105)	1,2,4,5-Tetramethylben...	13.447	119	277	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
110)	Naphthalene	14.571	128	241	N.D.		
111)	1,2,3-Trichlorobenzene	14.732	180	66	N.D.		

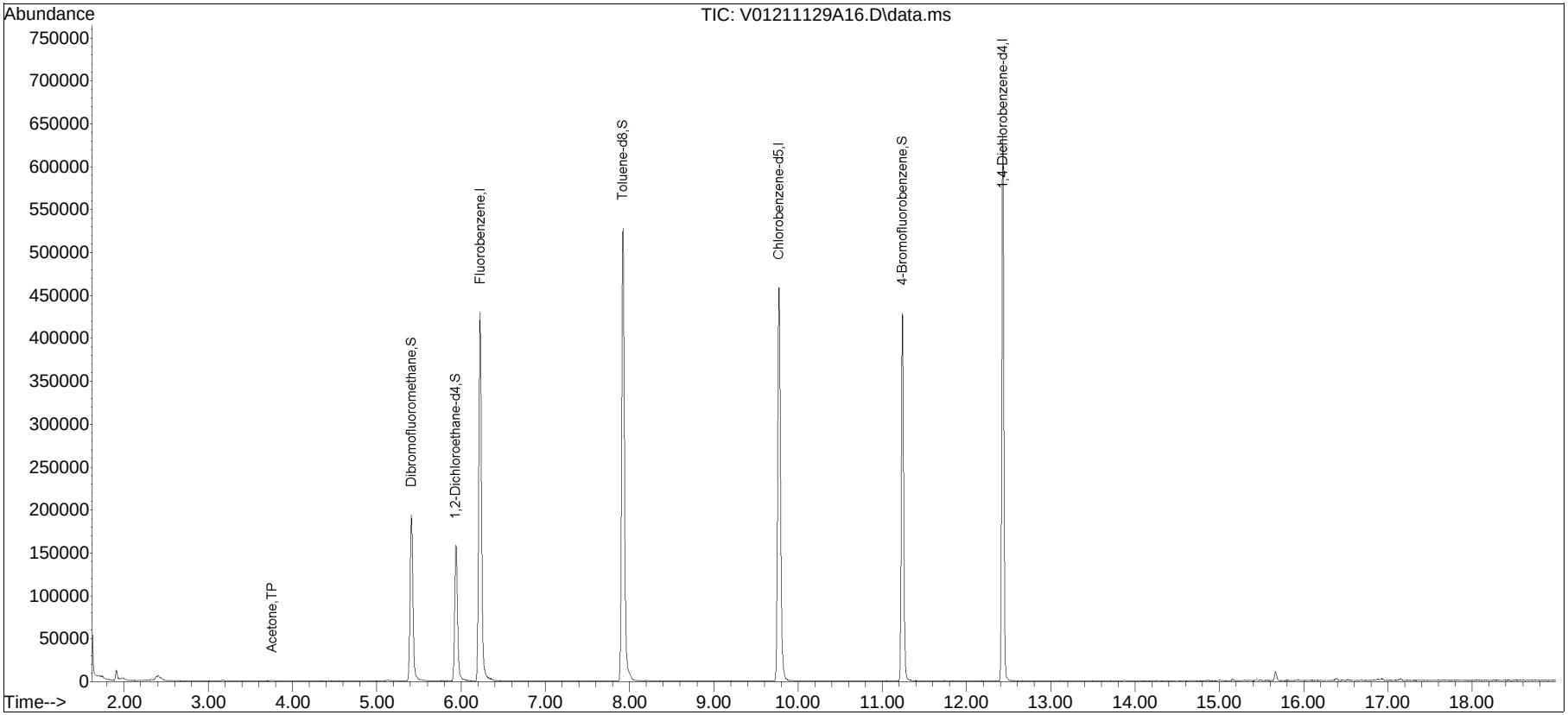
(#) = qualifier out of range (m) = manual integration (+) = signals summed

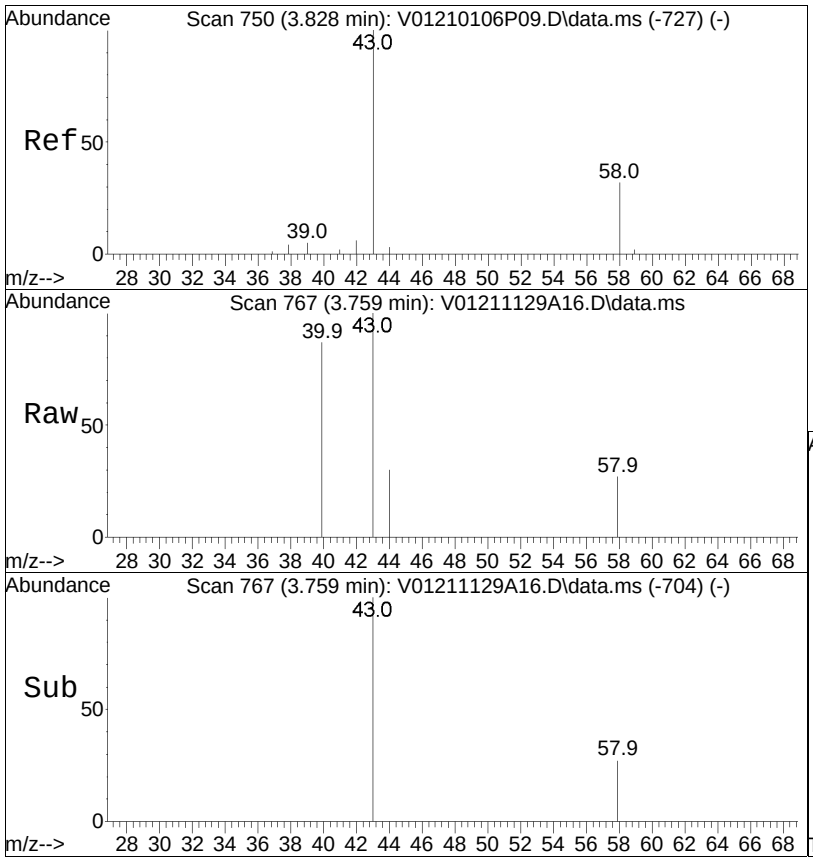
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 30 12:20:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox11129A\V01211129A02.D•

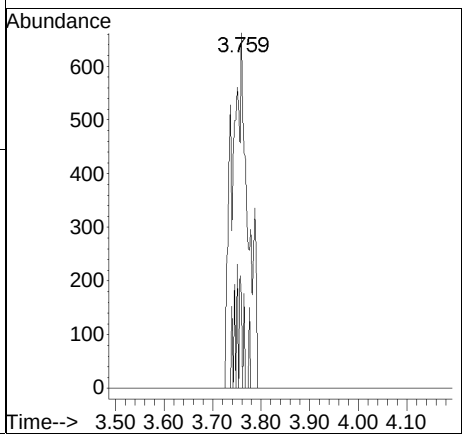




#17
Acetone
Concen: 0.62 ug/L M1
RT: 3.759 min Scan# 767
Delta R.T. 0.025 min
Lab File: V01211129A16.D
Acq: 29 Nov 2021 12:46 pm

Tgt Ion: 43 Resp: 1490

Ion	Ratio	Lower	Upper
43	100		
58	1.7	25.9	38.9#

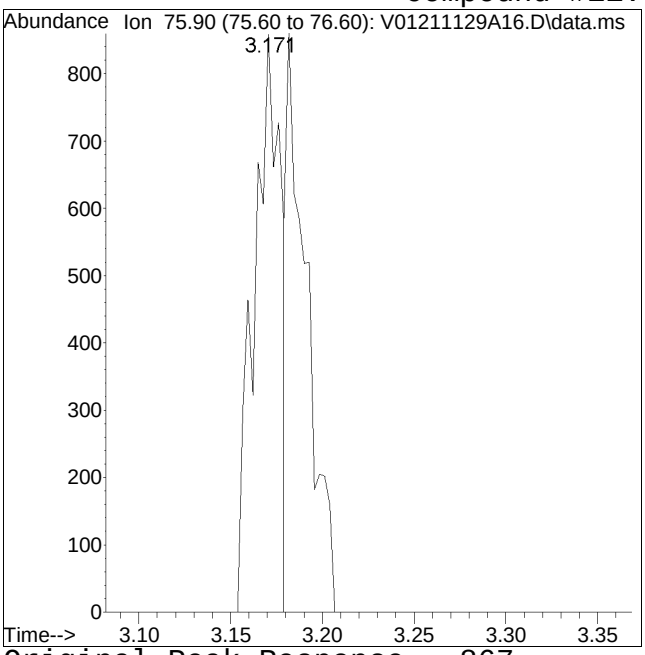


Manual Integration Report

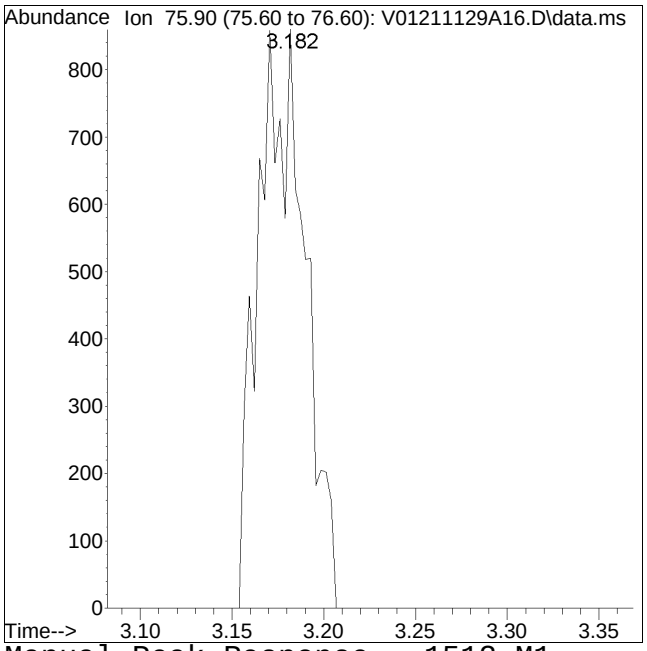
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A16.D
Date Inj'd : 11/29/2021 12:46 pm
Sample : L2163944-03,31,10,10,,A,PR

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #11: Carbon disulfide



Original Peak Response = 867



Manual Peak Response = 1512 M1

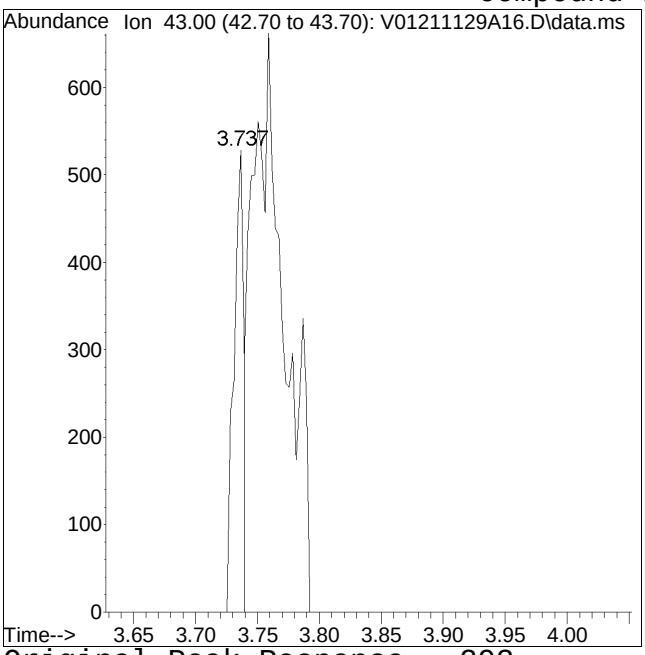
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

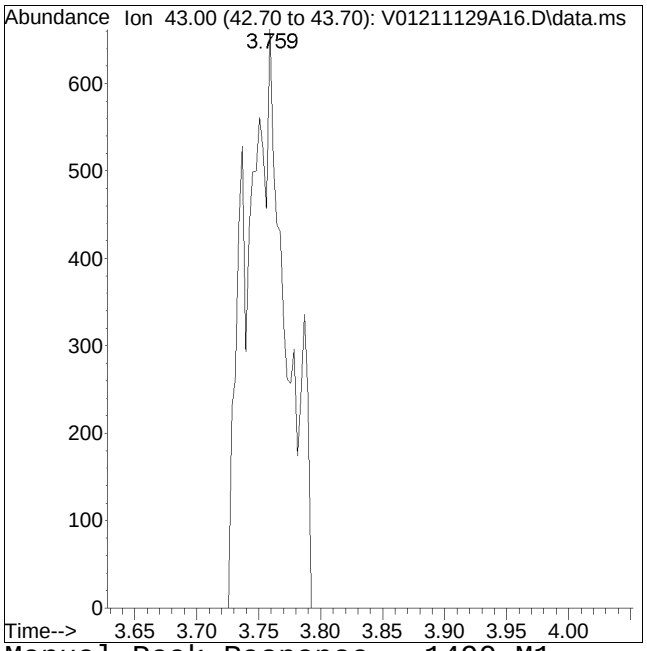
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A16.D
Date Inj'd : 11/29/2021 12:46 pm
Sample : L2163944-03,31,10,10,,A,PR

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #17: Acetone





Original Peak Response = 293 Manual Peak Response = 1490 M1

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

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

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

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

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01211129A16.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	1341	1359	1397	rBV3	193513	456854	37.17%	7.583%
2	5.940	1531	1549	1578	rBV3	158988	373529	30.39%	6.200%
3	6.227	1632	1652	1693	rBV	429960	990533	80.59%	16.442%
4	7.922	2239	2260	2304	rBV3	527775	1229040	100.00%	20.401%
5	9.774	2905	2924	2963	rBV	458834	1085044	88.28%	18.011%
6	11.238	3433	3449	3481	rBV	428550	812775	66.13%	13.491%
7	12.429	3860	3876	3905	rBV	637211	1076641	87.60%	17.871%

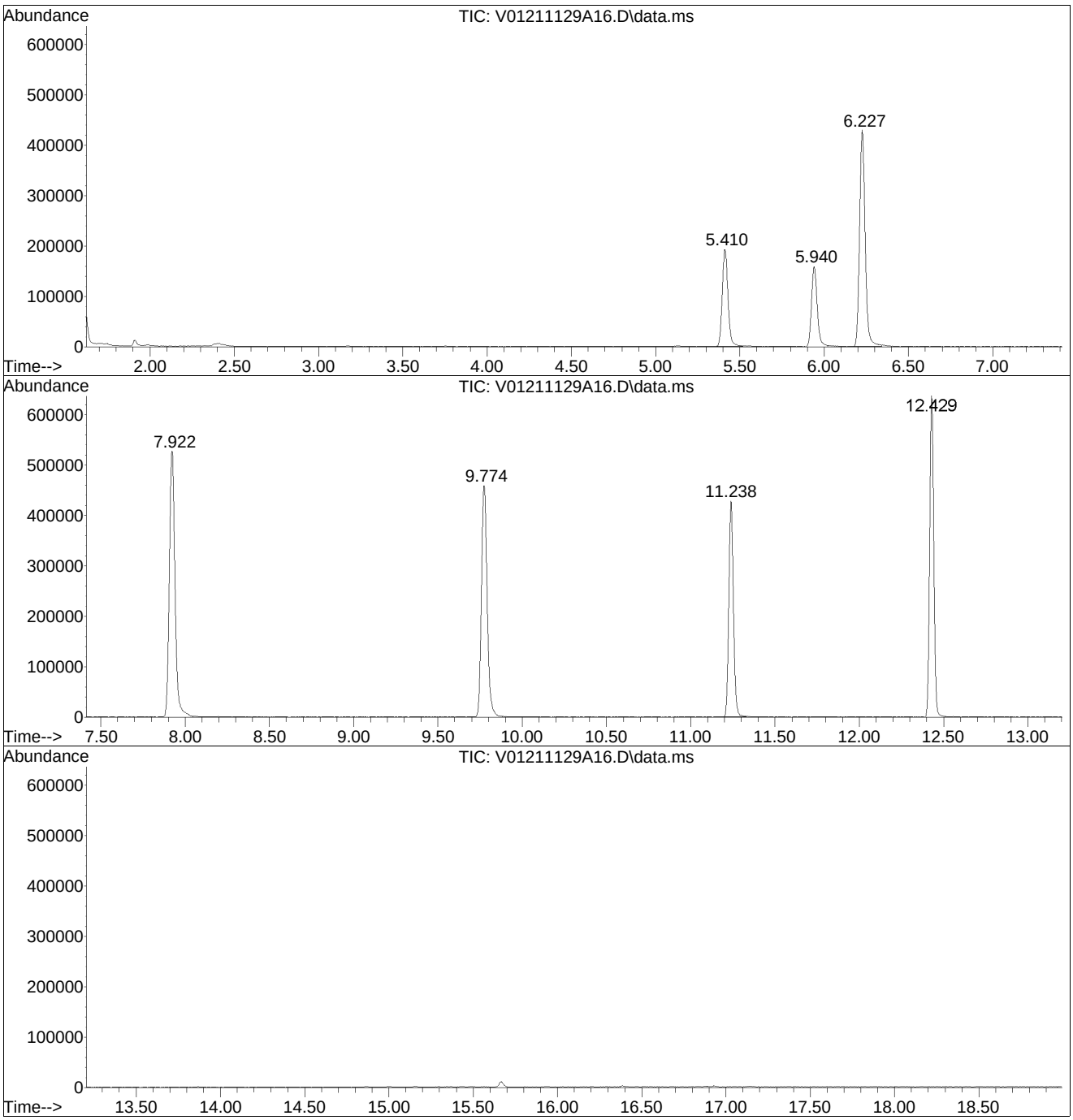
Sum of corrected areas: 6024416

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A16.D
Acq On : 29 Nov 2021 12:46 pm
Operator : VOA101:NLK
Sample : L2163944-03,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 16 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 30 12:21:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	589245	10.000	ug/L	0.00
Standard Area 1 = 521137			Recovery = 113.07%			
59) Chlorobenzene-d5	9.774	117	434598	10.000	ug/L	0.00
Standard Area 1 = 373965			Recovery = 116.21%			
79) 1,4-Dichlorobenzene-d4	12.432	152	209617	10.000	ug/L	0.00
Standard Area 1 = 199324			Recovery = 105.16%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.413	113	146811	9.728	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.28%			
43) 1,2-Dichloroethane-d4	5.943	65	167397	9.951	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%			
60) Toluene-d8	7.922	98	575655	10.717	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.17%			
83) 4-Bromofluorobenzene	11.238	95	201593	10.553	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.963	50	122	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.370	94	133	N.D.		
6) Chloroethane	2.379	64	48	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.182	76	1546	N.D.		
15) Methylene chloride	3.706	84	65	N.D.		
17) Acetone	3.748	43	3600M1	1.149	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	5.039	96	26	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 30 12:21:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	5.619	43	26		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.806	78	61		N.D.	
44) 1,2-Dichloroethane	6.018	62	182		N.D.	
48) Trichloroethene	6.369	95	133		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.981	92	836		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	9.794	112	30		N.D.	
74) Ethylbenzene	9.824	91	62		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	10.033	106	100		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.940	105	34		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	11.405	91	172		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.528	105	58		N.D.	
89) 2-Chlorotoluene	11.419	91	94		N.D.	
90) 1,3,5-Trimethylbenzene	11.617	105	69		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	11.771	91	59		N.D.	
94) tert-Butylbenzene	11.941	119	27		N.D.	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 30 12:21:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.030	105	26		N.D.	
98) sec-Butylbenzene	12.131	105	29		N.D.	
99) p-Isopropyltoluene	12.278	119	265		N.D.	
100) 1,3-Dichlorobenzene	12.362	146	36		N.D.	
101) 1,4-Dichlorobenzene	12.448	146	86		N.D.	
102) p-Diethylbenzene	12.649	119	26		N.D.	
103) n-Butylbenzene	12.716	91	60		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	13.441	119	144		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.573	128	36		N.D.	
111) 1,2,3-Trichlorobenzene	14.730	180	28		N.D.	

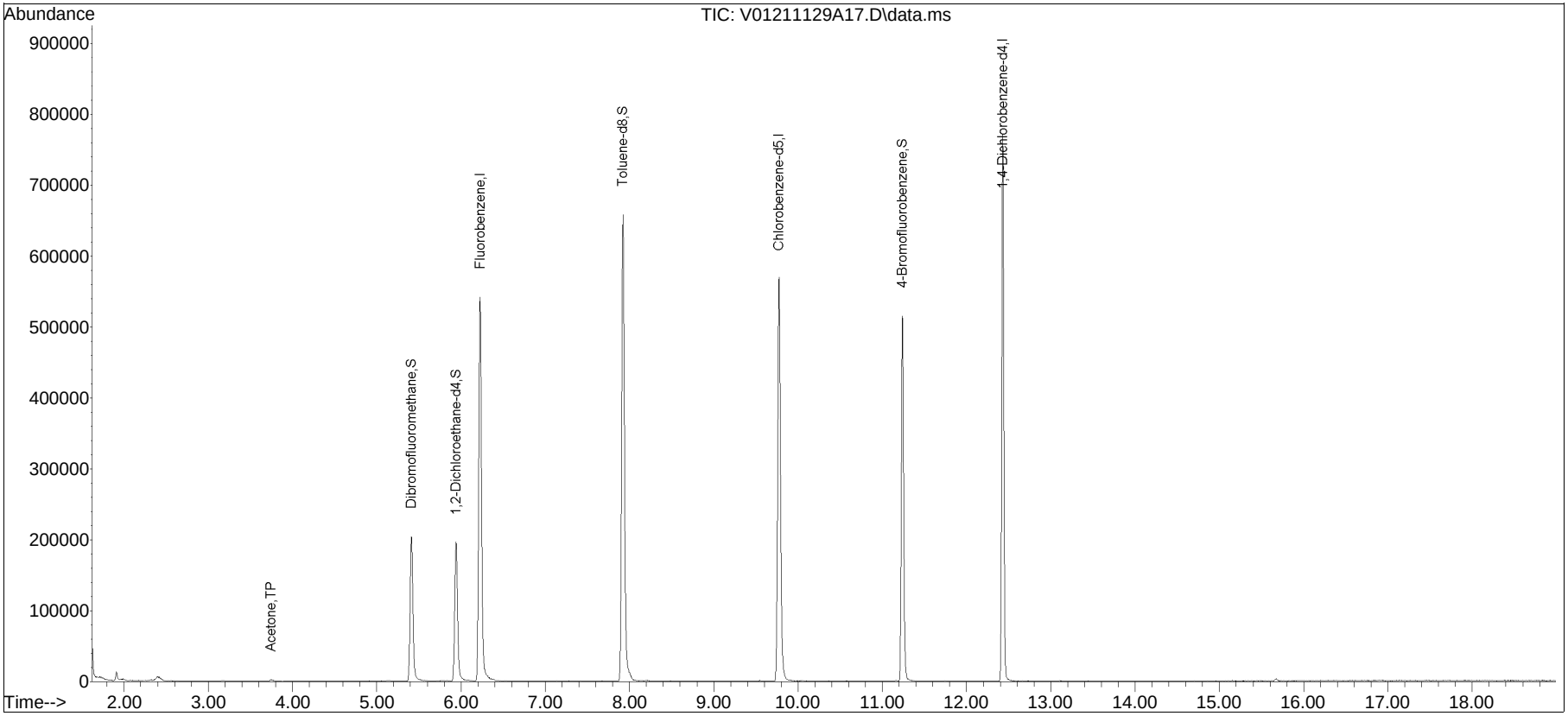
(#) = qualifier out of range (m) = manual integration (+) = signals summed

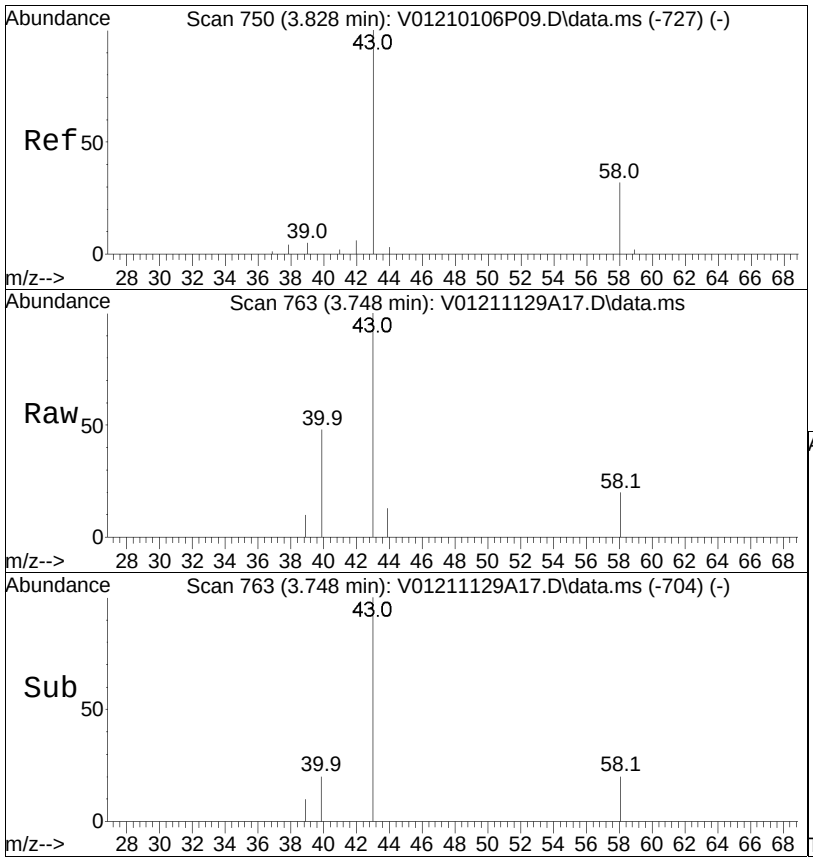
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 30 12:21:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox11129A\V01211129A02.D•

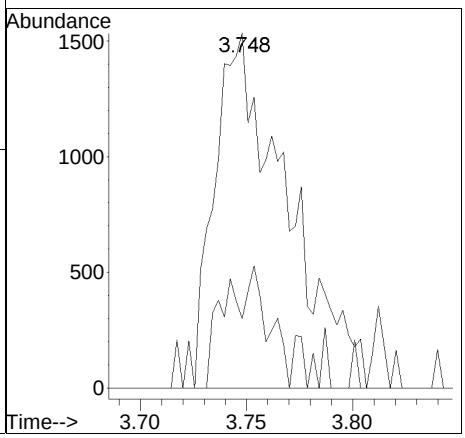




#17
Acetone
Concen: 1.15 ug/L M1
RT: 3.748 min Scan# 763
Delta R.T. 0.014 min
Lab File: V01211129A17.D
Acq: 29 Nov 2021 1:09 pm

Tgt Ion: 43 Resp: 3600

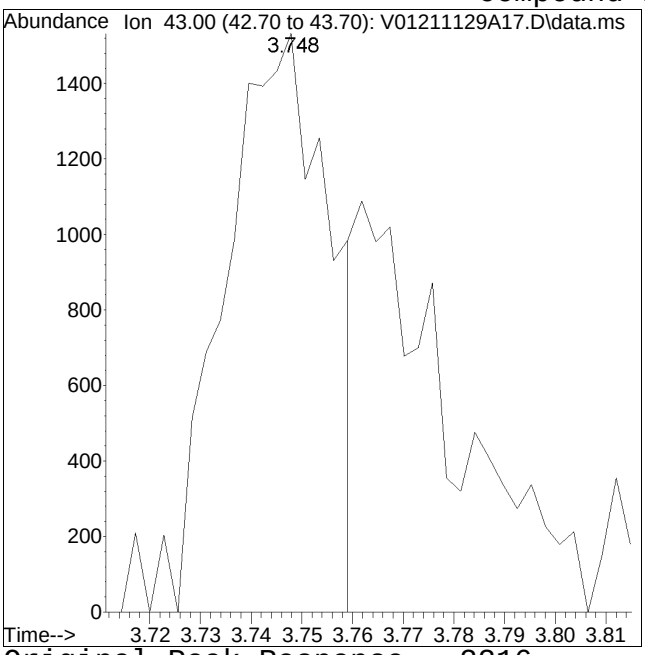
Ion	Ratio	Lower	Upper
43	100		
58	10.6	25.9	38.9#



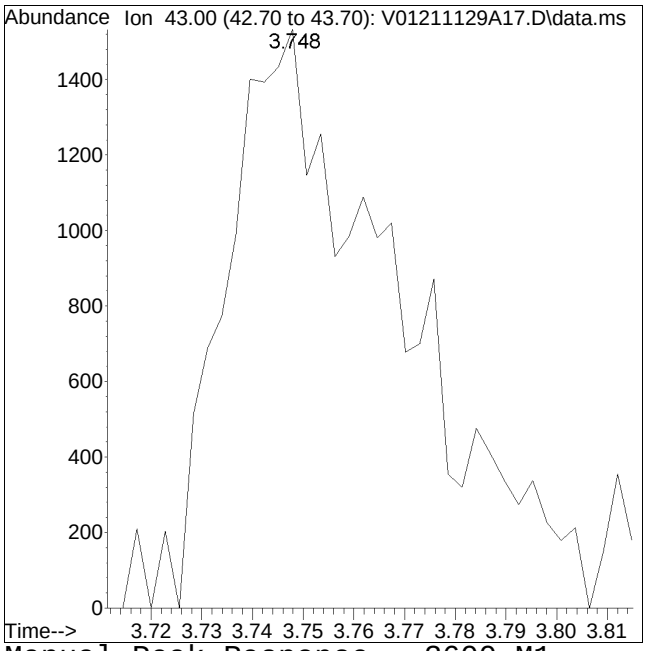
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A17.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:09 pm Instrument : VOA 101
Sample : L2163944-04,31,10,10,,A,PRQuant Date : 11/30/2021 12:04 pm

Compound #17: Acetone



Original Peak Response = 2216



Manual Peak Response = 3600 M1

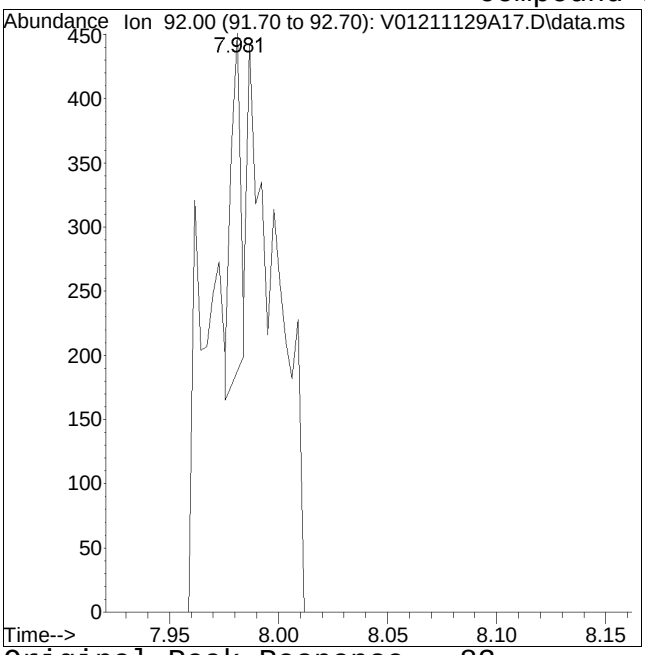
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

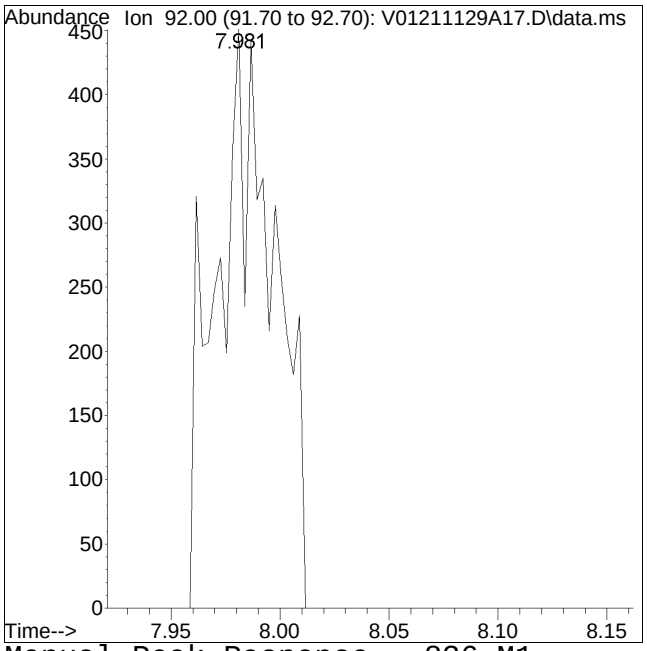
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A17.D
Date Inj'd : 11/29/2021 1:09 pm
Sample : L2163944-04,31,10,10,,A,PR

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #61: Toluene



Original Peak Response = 83



Manual Peak Response = 836 M1

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

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

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

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

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01211129A17.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.413	1340	1360	1388	rBV2	204260	482976	31.19%	6.573%
2	5.940	1531	1549	1576	rBV2	196247	464446	29.99%	6.321%
3	6.227	1632	1652	1694	rBV	541644	1266730	81.80%	17.240%
4	7.922	2239	2260	2311	rBV	658491	1548514	100.00%	21.075%
5	9.777	2903	2925	2964	rBV2	569908	1328574	85.80%	18.081%
6	11.238	3431	3449	3483	rBV3	515493	976444	63.06%	13.289%
7	12.429	3860	3876	3897	rBV2	771040	1280024	82.66%	17.421%

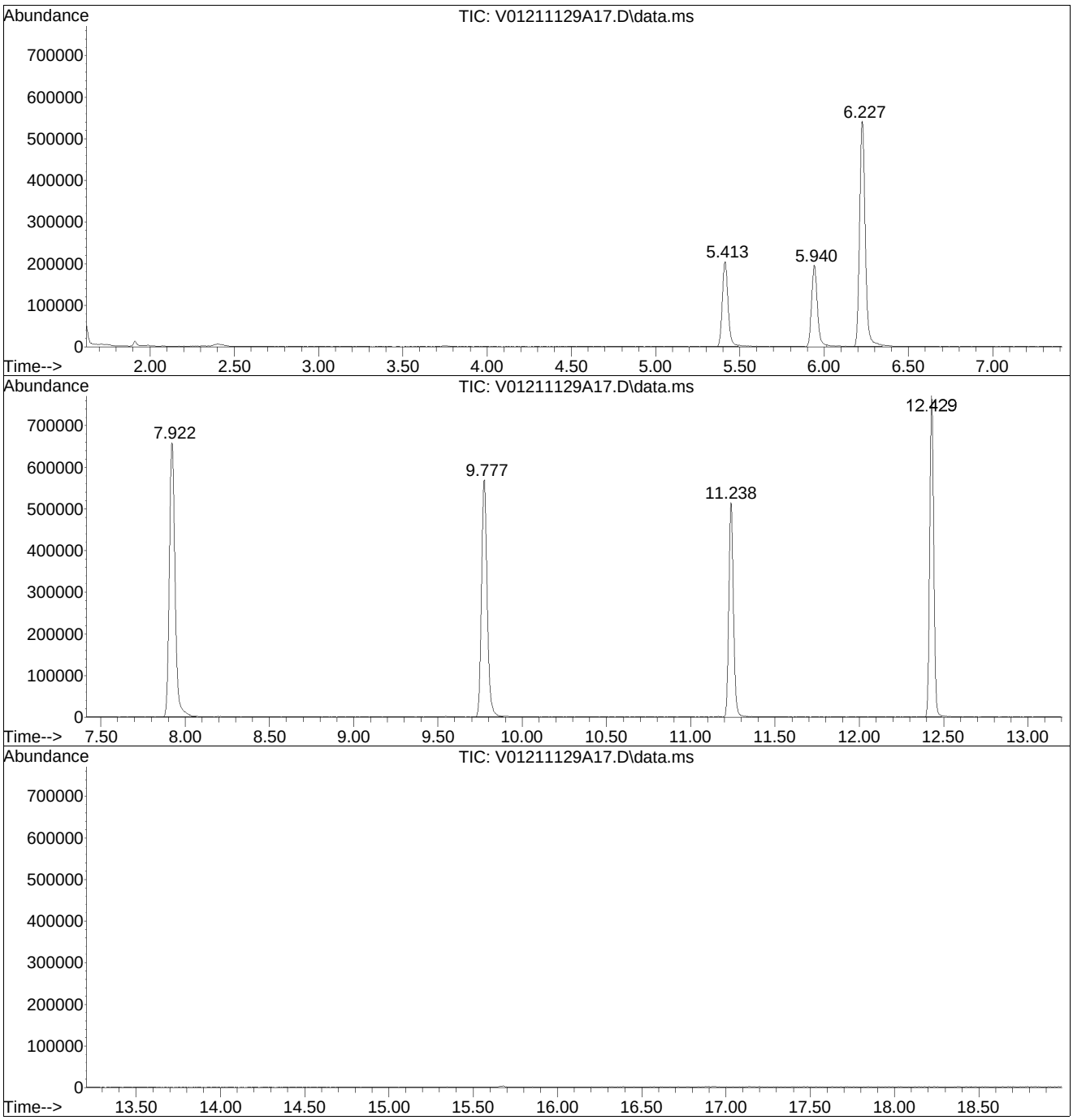
Sum of corrected areas: 7347708

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A17.D
Acq On : 29 Nov 2021 1:09 pm
Operator : VOA101:NLK
Sample : L2163944-04,31,10,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 17 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 30 12:22:14 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	450756	10.000	ug/L	0.00
Standard Area 1 = 521137			Recovery = 86.49%			
59) Chlorobenzene-d5	9.777	117	344055	10.000	ug/L	0.00
Standard Area 1 = 373965			Recovery = 92.00%			
79) 1,4-Dichlorobenzene-d4	12.429	152	171336	10.000	ug/L	0.00
Standard Area 1 = 199324			Recovery = 85.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.413	113	113379	9.821	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.21%			
43) 1,2-Dichloroethane-d4	5.943	65	133079	10.342	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.42%			
60) Toluene-d8	7.923	98	444566	10.455	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.55%			
83) 4-Bromofluorobenzene	11.238	95	161175	10.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.22%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.958	50	197	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.365	94	58	N.D.		
6) Chloroethane	2.407	64	37	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.182	76	1825	N.D.		
15) Methylene chloride	3.698	84	151	N.D.		
17) Acetone	3.801	43	93	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	4.980	96	2670	0.217	ug/L	95
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	5.240	83	1911	0.093	ug/L #	61

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 30 12:22:14 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.452	43	32	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.825	78	476	N.D.		
44) 1,2-Dichloroethane	6.015	62	53	N.D.		
48) Trichloroethene	6.417	95	9928M1	0.804	ug/L	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.984	92	1608	N.D.		
62) 4-Methyl-2-pentanone	8.419	58	73	N.D.		
63) Tetrachloroethene	8.430	166	1129933	93.311	ug/L	96
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.381	43	36	N.D.		
73) Chlorobenzene	9.796	112	967	N.D.		
74) Ethylbenzene	9.835	91	277	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	10.031	106	142	N.D.		
77) o Xylene	10.563	106	30	N.D.		
78) Styrene	10.644	104	25	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.926	105	1111	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.392	91	33	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.528	105	156	N.D.		
89) 2-Chlorotoluene	11.433	91	27	N.D.		
90) 1,3,5-Trimethylbenzene	11.623	105	28	N.D.		
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	11.776	91	31	N.D.		
94) tert-Butylbenzene	11.955	119	32	N.D.		

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 30 12:22:14 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.027	105	60		N.D.	
98) sec-Butylbenzene	12.142	105	807		N.D.	
99) p-Isopropyltoluene	12.287	119	126		N.D.	
100) 1,3-Dichlorobenzene	12.362	146	28		N.D.	
101) 1,4-Dichlorobenzene	12.443	146	724		N.D.	
102) p-Diethylbenzene	12.655	119	29		N.D.	
103) n-Butylbenzene	12.719	91	28		N.D.	
104) 1,2-Dichlorobenzene	12.867	146	27		N.D.	
105) 1,2,4,5-Tetramethylben...	13.444	119	87		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.579	128	926		N.D.	
111) 1,2,3-Trichlorobenzene	14.732	180	80		N.D.	

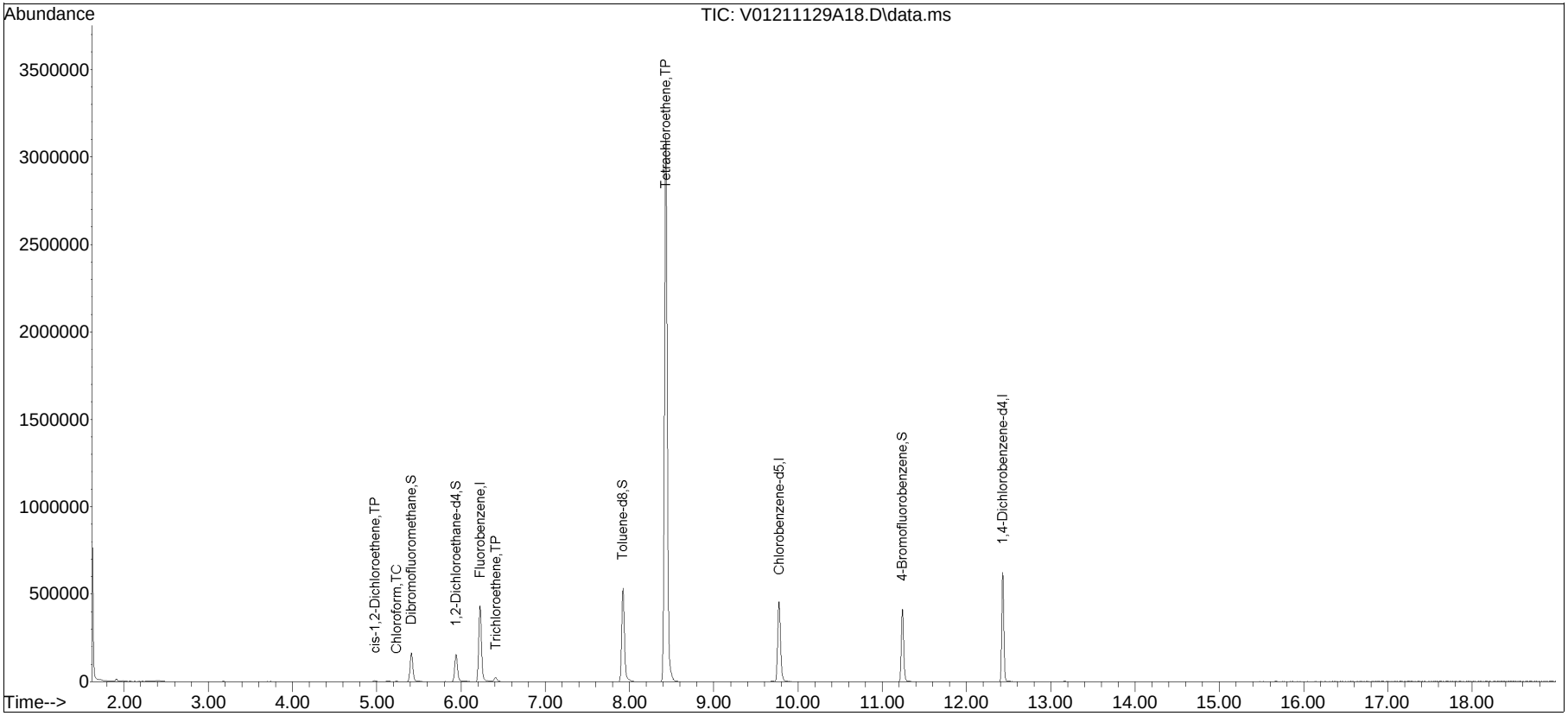
(#) = qualifier out of range (m) = manual integration (+) = signals summed

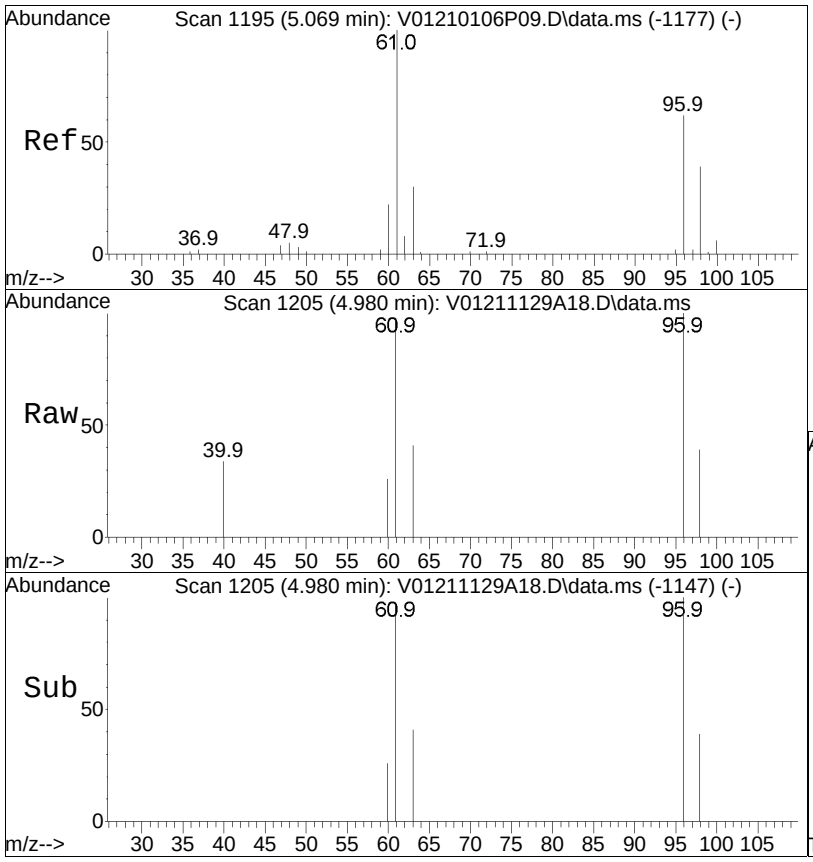
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 30 12:22:14 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox11129A\V01211129A02.D•

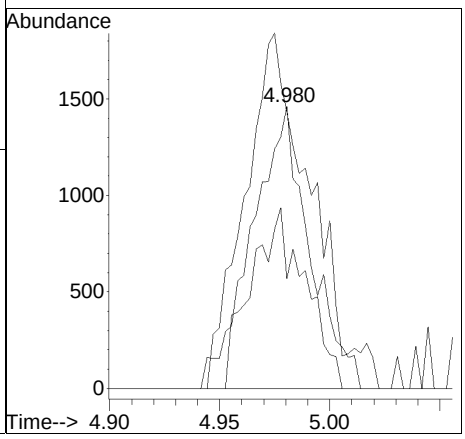


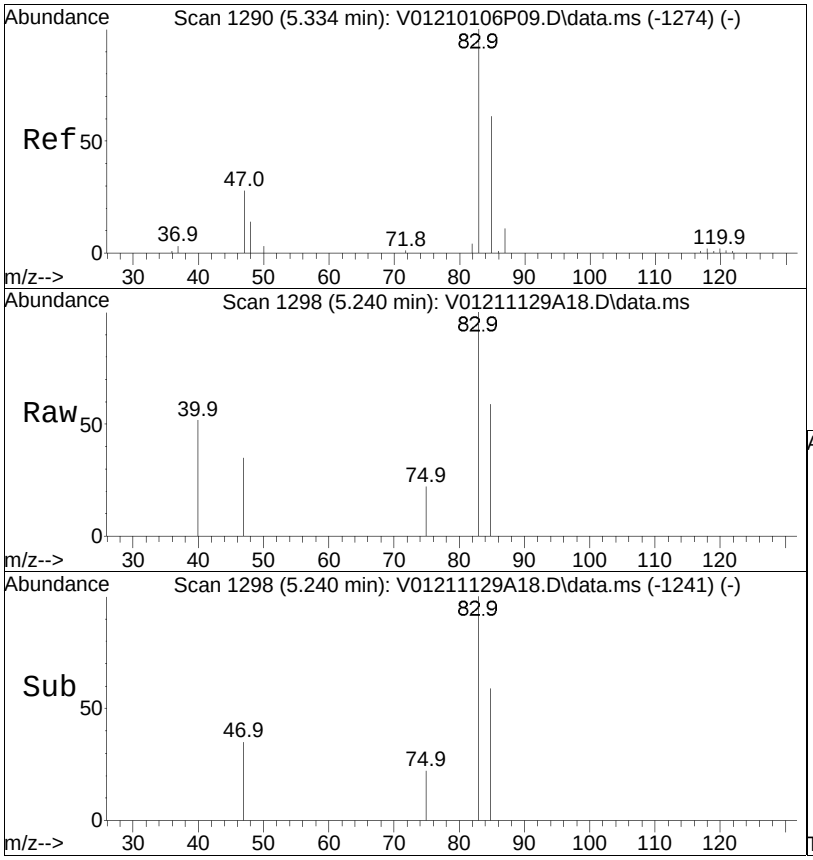


#28
cis-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 4.980 min Scan# 1205
Delta R.T. 0.011 min
Lab File: V01211129A18.D
Acq: 29 Nov 2021 1:32 pm

Tgt Ion: 96 Resp: 2670

Ion	Ratio	Lower	Upper
96	100		
61	138.2	105.8	158.6
98	59.8	51.1	76.7

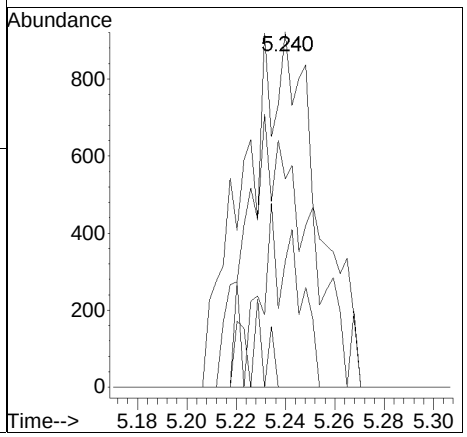


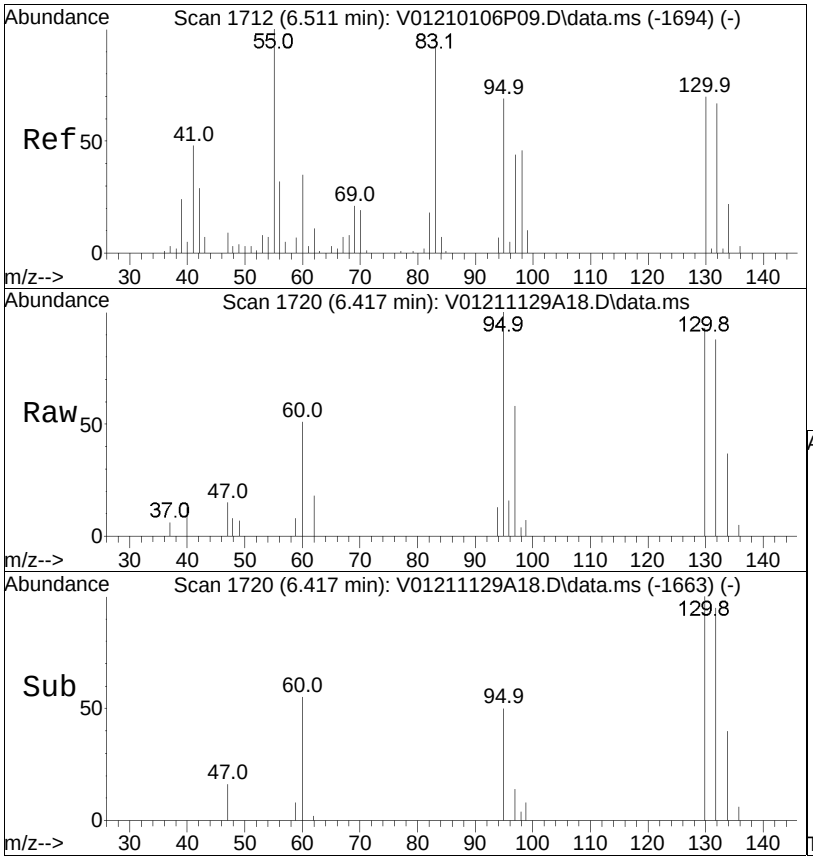


#32
Chloroform
Concen: 0.09 ug/L
RT: 5.240 min Scan# 1298
Delta R.T. 0.009 min
Lab File: V01211129A18.D
Acq: 29 Nov 2021 1:32 pm

Tgt Ion: 83 Resp: 1911

Ion	Ratio	Lower	Upper
83	100		
85	28.6	42.3	87.8#
47	11.7	17.8	37.0#
48	3.4	9.3	19.3#

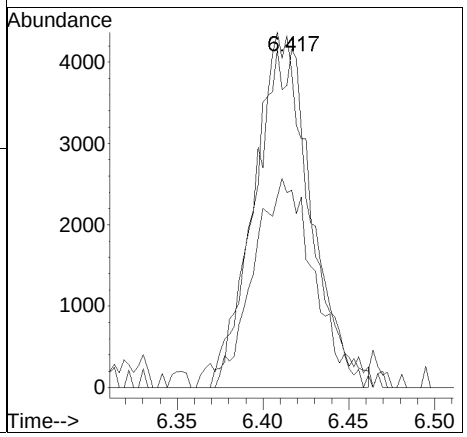


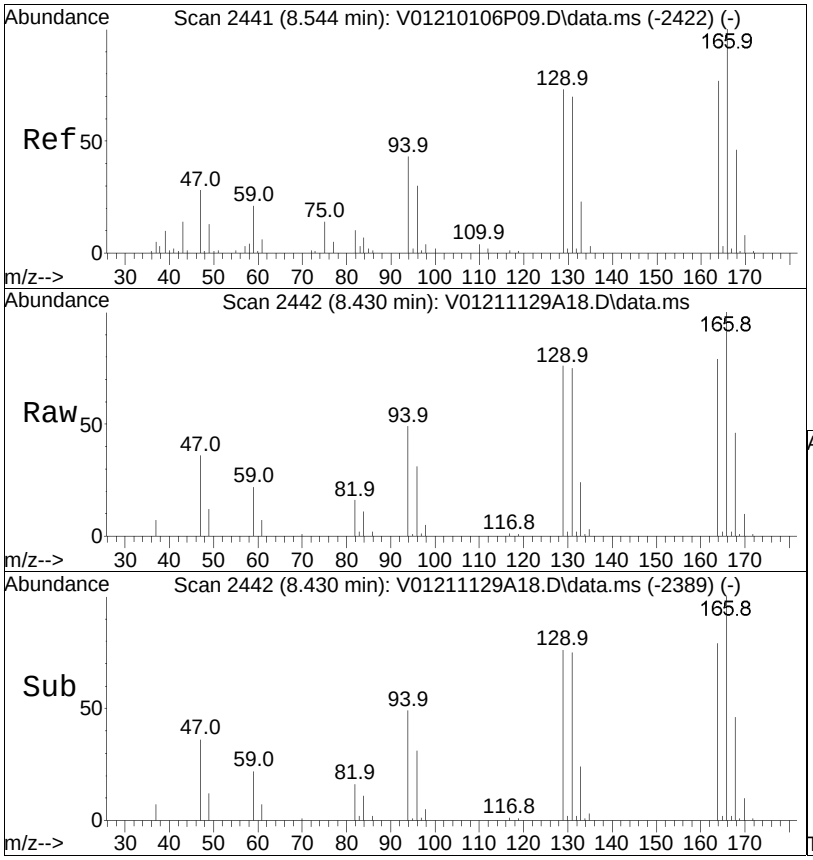


#48
Trichloroethene
Concen: 0.80 ug/L M1
RT: 6.417 min Scan# 1720
Delta R.T. 0.009 min
Lab File: V01211129A18.D
Acq: 29 Nov 2021 1:32 pm

Tgt Ion: 95 Resp: 9928

Ion	Ratio	Lower	Upper
95	100		
97	62.4	54.4	81.6
130	100.3	80.6	120.8

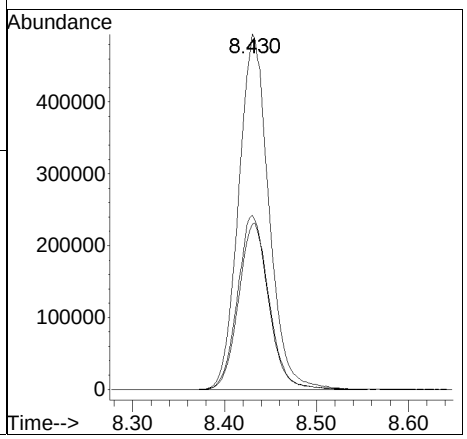




#63
Tetrachloroethene
Concen: 93.31 ug/L
RT: 8.430 min Scan# 2442
Delta R.T. -0.003 min
Lab File: V01211129A18.D
Acq: 29 Nov 2021 1:32 pm

Tgt Ion:166 Resp: 1129933

Ion	Ratio	Lower	Upper
166	100		
168	47.7	27.4	67.4
94	49.7	24.8	64.8

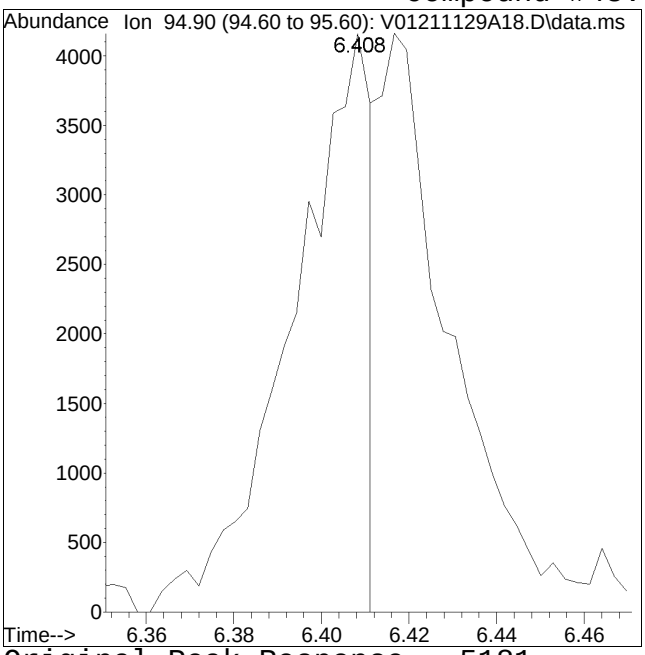


Manual Integration Report

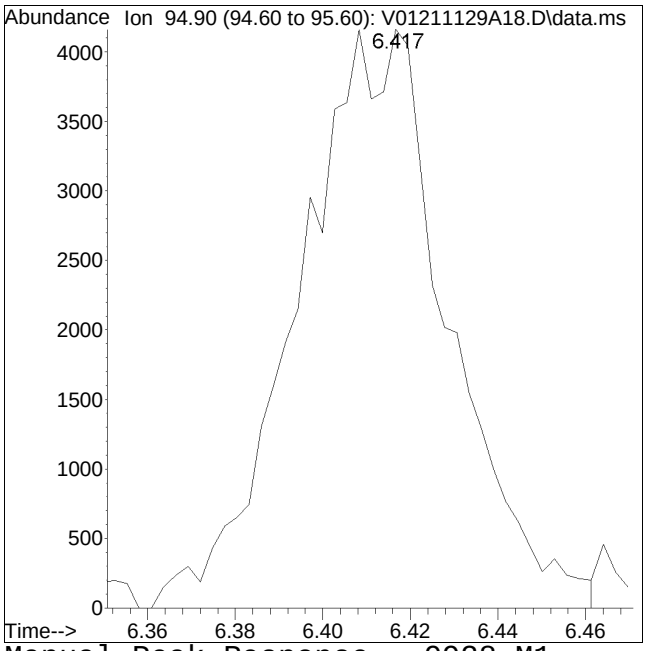
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A18.D
Date Inj'd : 11/29/2021 1:32 pm
Sample : L2163944-01D,31,5.0,10,,A,

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #48: Trichloroethene



Original Peak Response = 5181



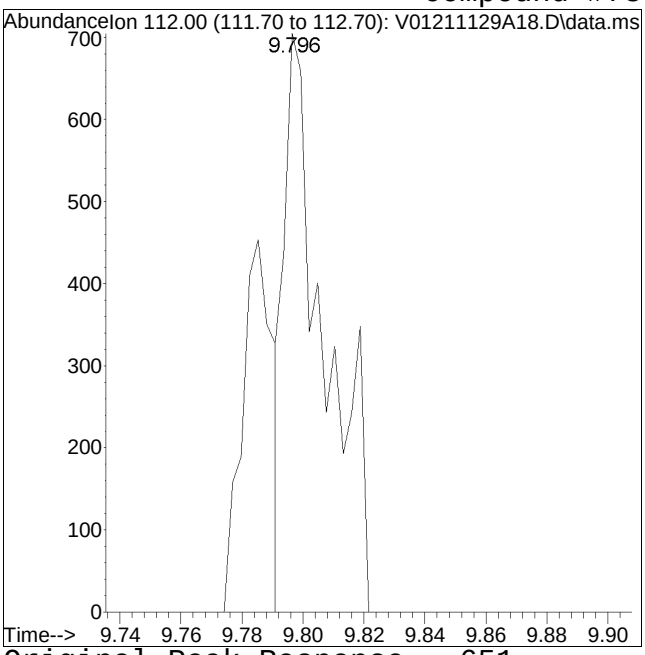
Manual Peak Response = 9928 M1

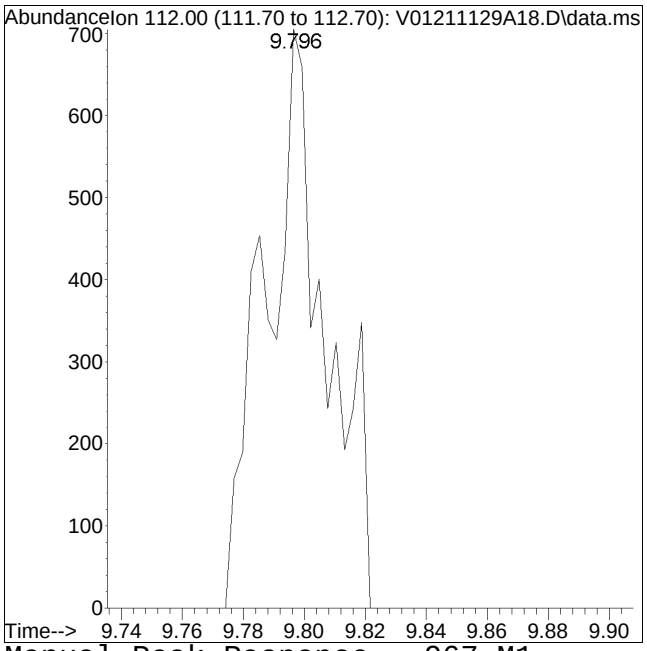
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A18.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:32 pm Instrument : VOA 101
Sample : L2163944-01D,31,5.0,10,,A,Quant Date : 11/30/2021 12:04 pm

Compound #73: Chlorobenzene



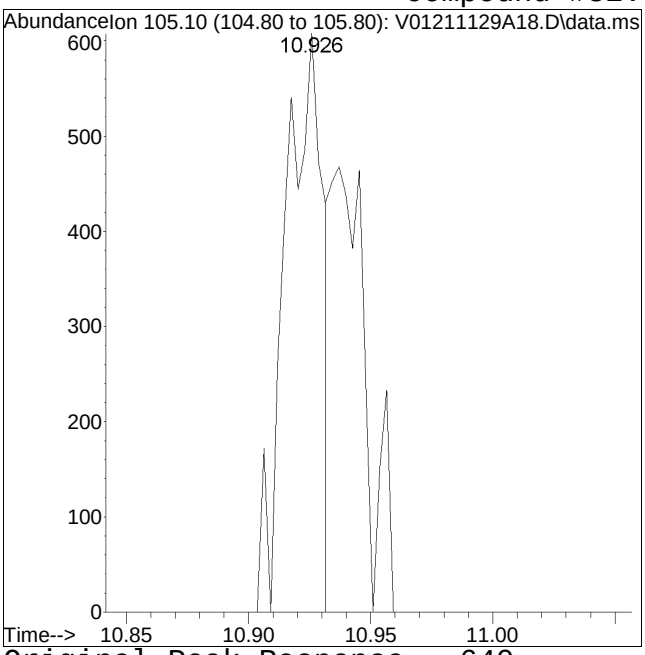


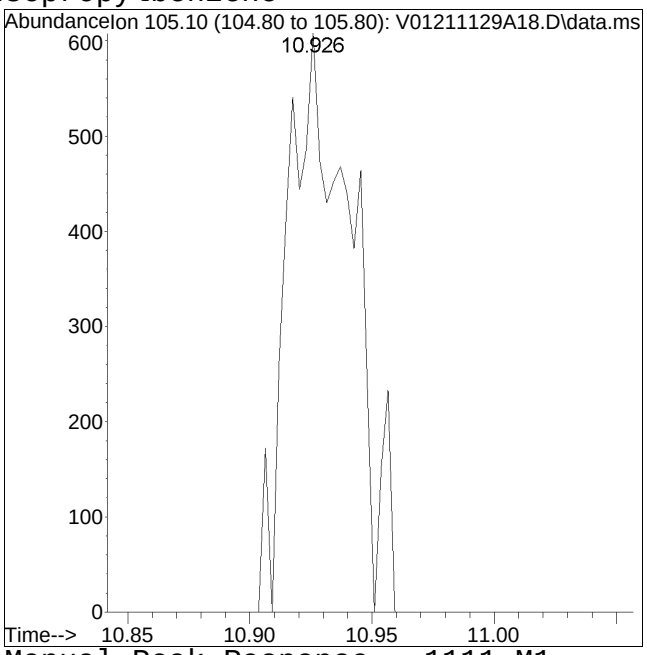
Original Peak Response = 651 Manual Peak Response = 967 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A18.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:32 pm Instrument : VOA 101
Sample : L2163944-01D,31,5.0,10,,A,Quant Date : 11/30/2021 12:04 pm

Compound #82: Isopropylbenzene



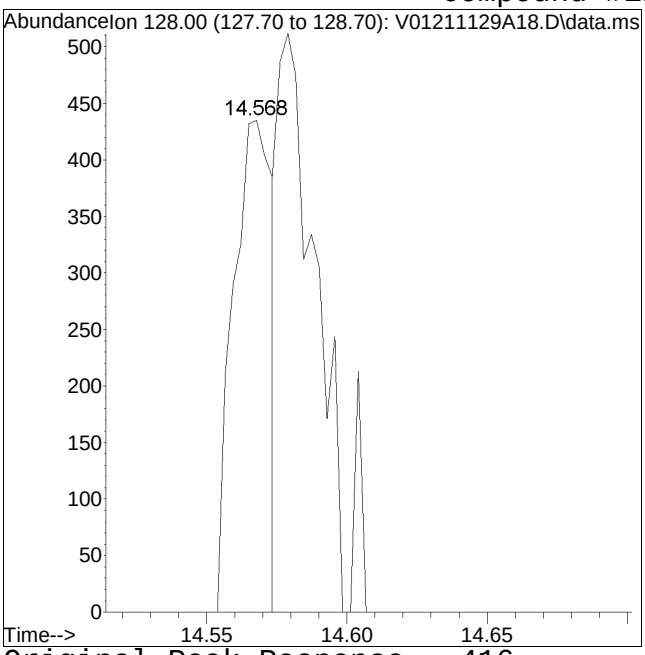


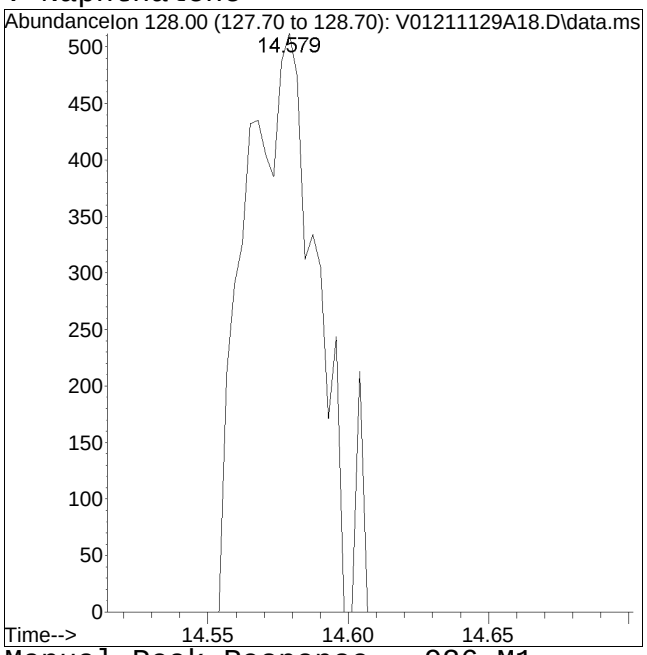
Original Peak Response = 640 Manual Peak Response = 1111 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A18.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:32 pm Instrument : VOA 101
Sample : L2163944-01D,31,5.0,10,,A,Quant Date : 11/30/2021 12:04 pm

Compound #110: Naphthalene





Original Peak Response = 416 Manual Peak Response = 926 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

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

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

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01211129A18.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.413	1340	1360	1390	rBV3	164518	381417	5.30%	2.910%
2	5.940	1532	1549	1586	rBV2	156675	368980	5.13%	2.815%
3	6.227	1633	1652	1677	rBV2	434763	982063	13.65%	7.492%
4	7.923	2240	2260	2302	rBV2	534466	1226977	17.06%	9.360%
5	8.430	2419	2442	2489	rBV2	3127730	7193516	100.00%	54.877%
6	9.774	2906	2924	2963	rBV2	456599	1077586	14.98%	8.221%
7	11.238	3431	3449	3479	rBV2	416121	810140	11.26%	6.180%
8	12.429	3858	3876	3901	rBV	625292	1067743	14.84%	8.145%

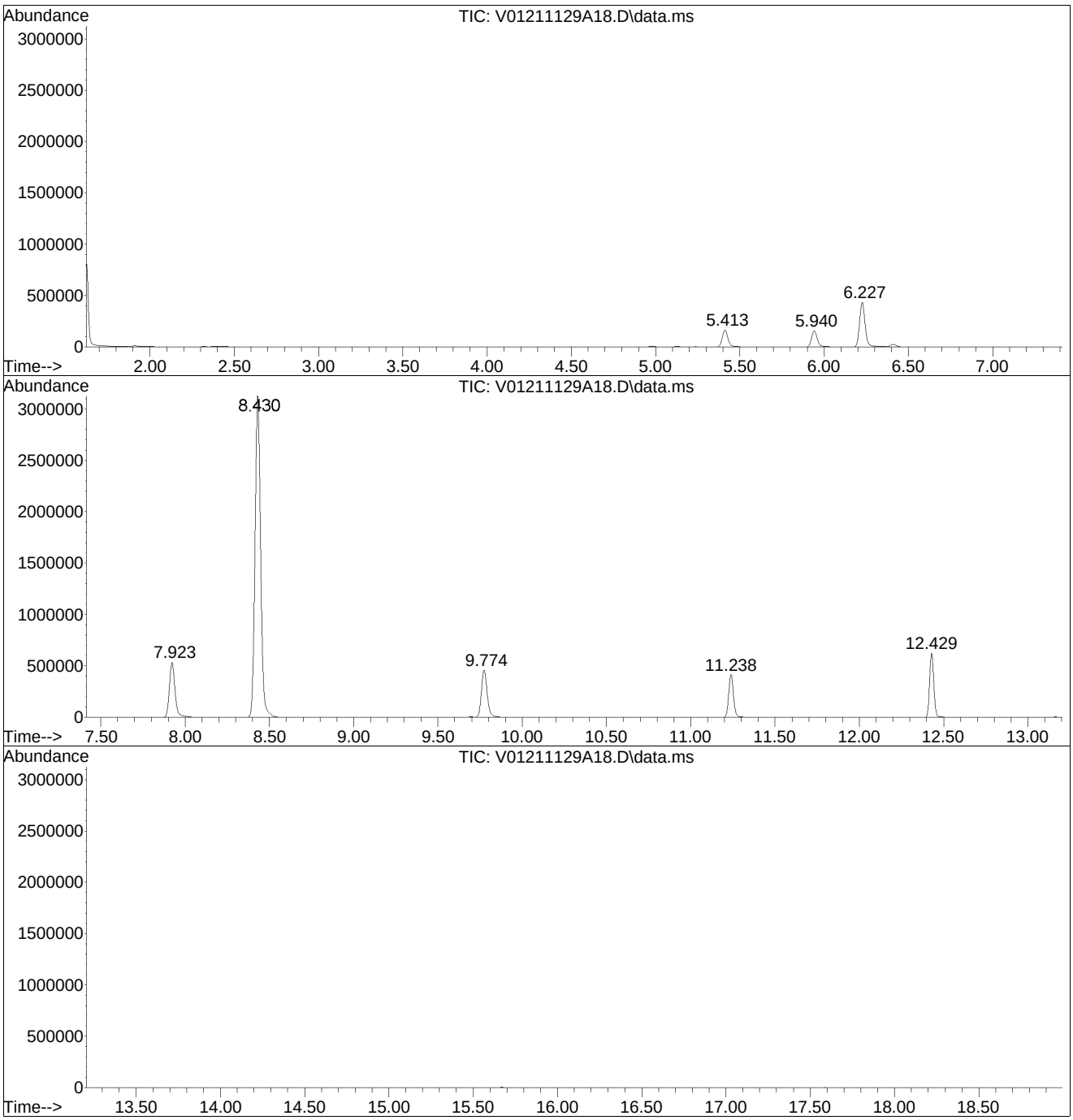
Sum of corrected areas: 13108422

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A18.D
Acq On : 29 Nov 2021 1:32 pm
Operator : VOA101:NLK
Sample : L2163944-01D,31,5.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 18 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 30 12:22:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.224	96	454271	10.000 ug/L	0.00
Standard Area 1 = 521137			Recovery =	87.17%	
59) Chlorobenzene-d5	9.774	117	351323	10.000 ug/L	0.00
Standard Area 1 = 373965			Recovery =	93.95%	
79) 1,4-Dichlorobenzene-d4	12.429	152	173494	10.000 ug/L	0.00
Standard Area 1 = 199324			Recovery =	87.04%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.410	113	115244	9.905 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.05%	
43) 1,2-Dichloroethane-d4	5.945	65	135962	10.484 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.84%	
60) Toluene-d8	7.925	98	448911	10.339 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.39%	
83) 4-Bromofluorobenzene	11.238	95	163061	10.313 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.13%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.966	50	77	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	2.390	64	99	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.176	76	1490	N.D.	
15) Methylene chloride	3.698	84	149	N.D.	
17) Acetone	3.759	43	1208M1	0.500 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.972	96	111	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.245	83	2269M1	0.110 ug/L	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 30 12:22:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.505	43	60	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	5.814	78	28	N.D.		
44) 1,2-Dichloroethane	6.009	62	114	N.D.		
48) Trichloroethene	6.419	95	2573M1	0.207	ug/L	
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.984	92	1362	N.D.		
62) 4-Methyl-2-pentanone	8.410	58	90	N.D.		
63) Tetrachloroethene	8.430	166	1225373	99.099	ug/L	96
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	9.794	112	520	N.D.		
74) Ethylbenzene	9.841	91	157	N.D.		
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.931	105	25	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	11.405	91	44	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	11.531	105	96	N.D.		
89) 2-Chlorotoluene	11.414	91	36	N.D.		
90) 1,3,5-Trimethylbenzene	11.629	105	28	N.D.		
91) 1,2,3-Trichloropropane	11.748	75	55	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		
94) tert-Butylbenzene	0.000		0	N.D.		

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 30 12:22:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.041	105	155		N.D.	
98) sec-Butylbenzene	12.133	105	74		N.D.	
99) p-Isopropyltoluene	12.281	119	303		N.D.	
100) 1,3-Dichlorobenzene	12.381	146	26		N.D.	
101) 1,4-Dichlorobenzene	12.446	146	172		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	12.727	91	120		N.D.	
104) 1,2-Dichlorobenzene	12.881	146	159		N.D.	
105) 1,2,4,5-Tetramethylben...	13.449	119	96		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.582	128	685		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

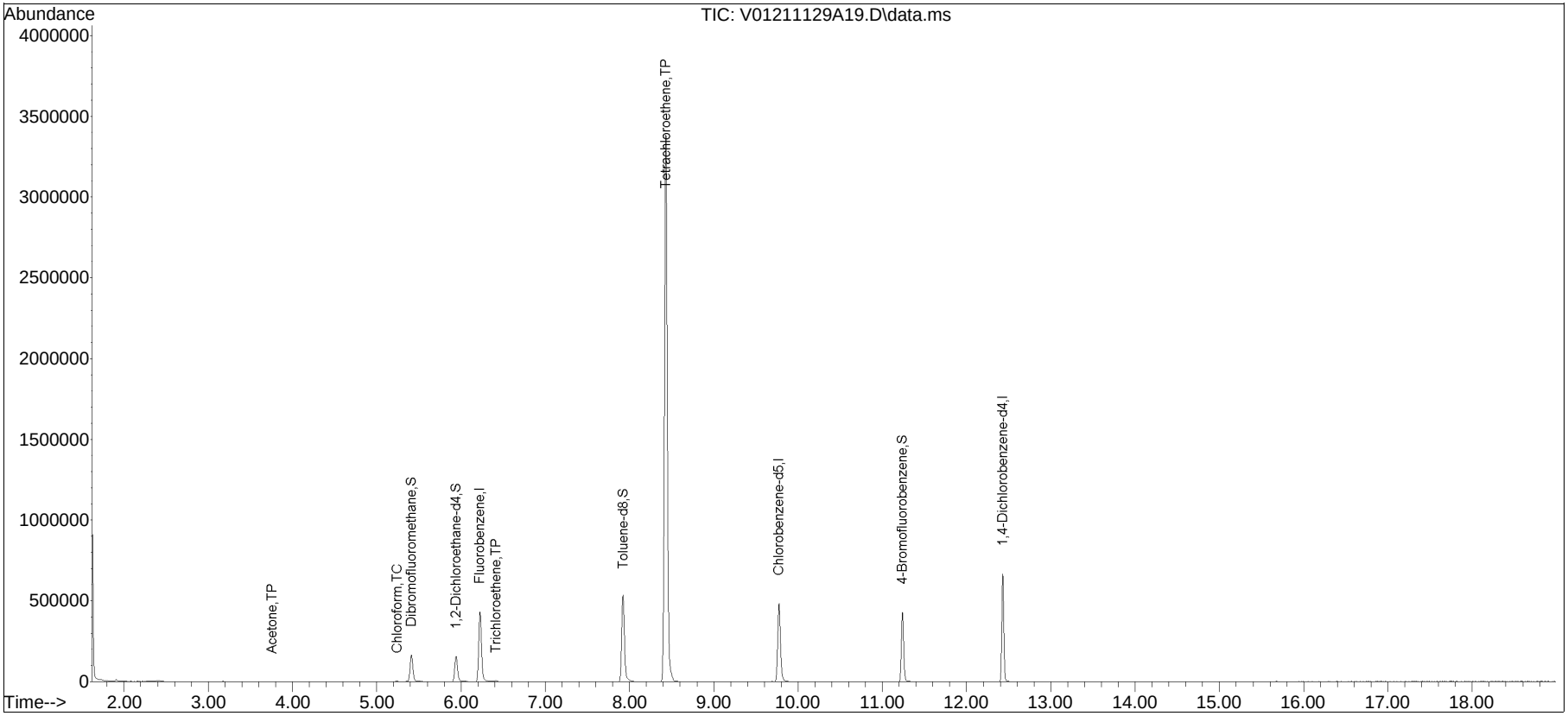
(#) = qualifier out of range (m) = manual integration (+) = signals summed

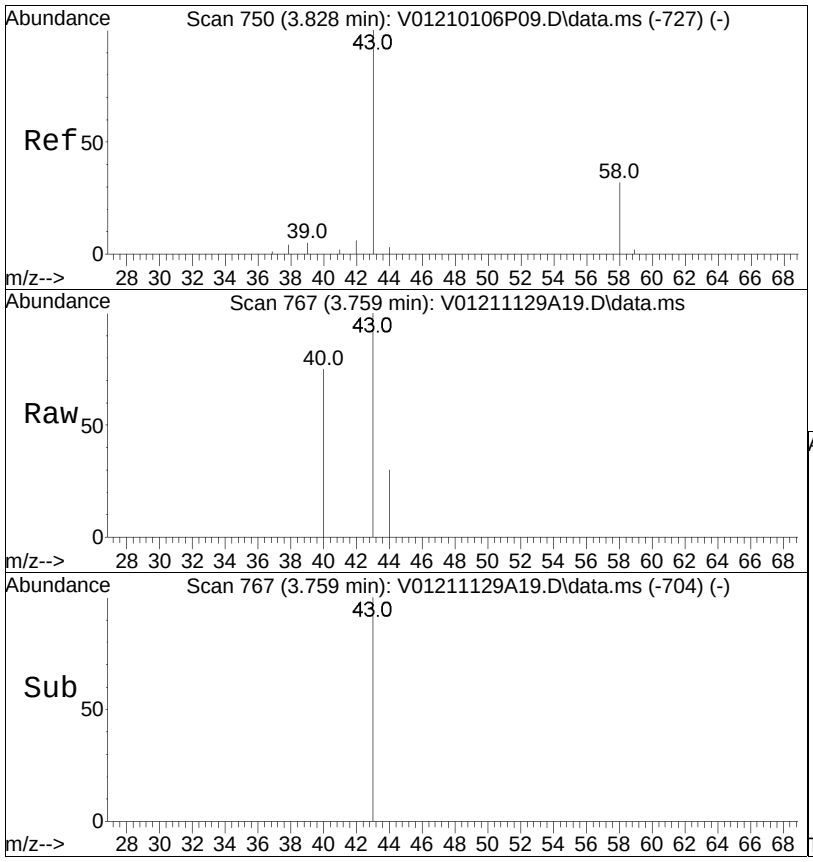
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 30 12:22:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox11129A\V01211129A02.D•

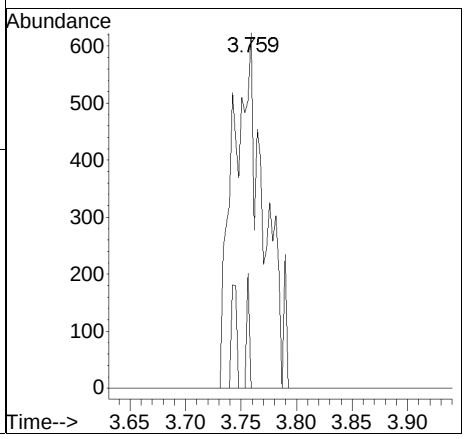


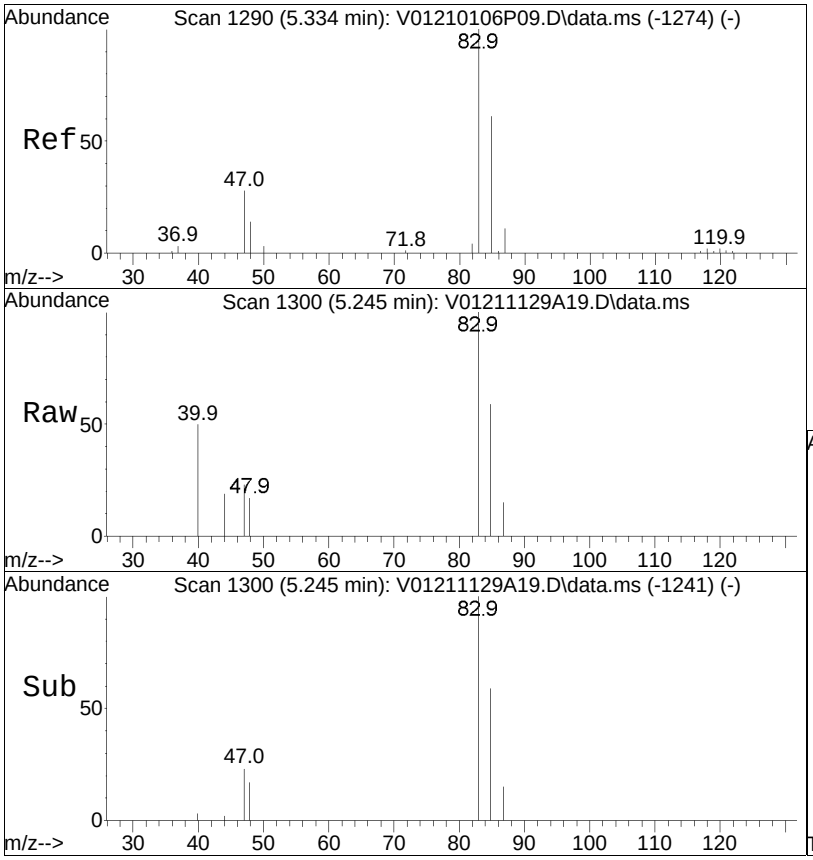


#17
Acetone
Concen: 0.50 ug/L M1
RT: 3.759 min Scan# 767
Delta R.T. 0.025 min
Lab File: V01211129A19.D
Acq: 29 Nov 2021 1:55 pm

Tgt Ion: 43 Resp: 1208

Ion	Ratio	Lower	Upper
43	100		
58	5.0	25.9	38.9#

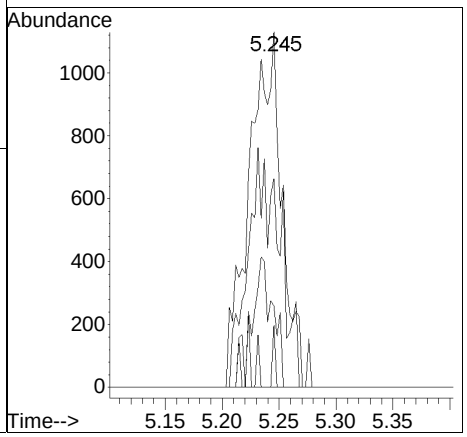


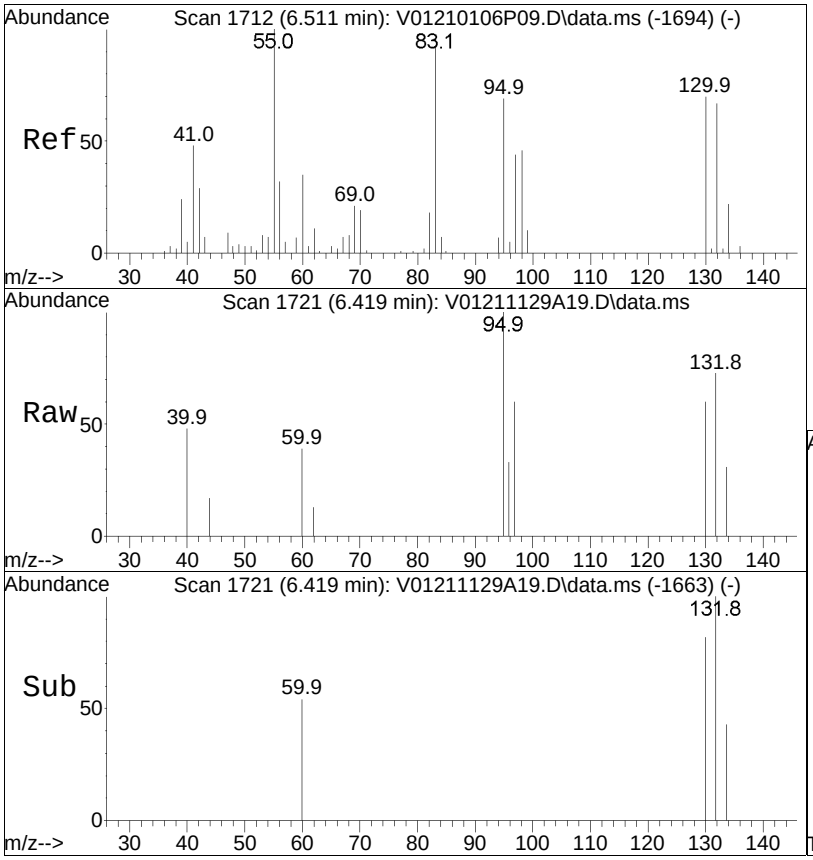


#32
Chloroform
Concen: 0.11 ug/L M1
RT: 5.245 min Scan# 1300
Delta R.T. 0.014 min
Lab File: V01211129A19.D
Acq: 29 Nov 2021 1:55 pm

Tgt Ion: 83 Resp: 2269

Ion	Ratio	Lower	Upper
83	100		
85	38.3	42.3	87.8#
47	21.6	17.8	37.0
48	1.2	9.3	19.3#

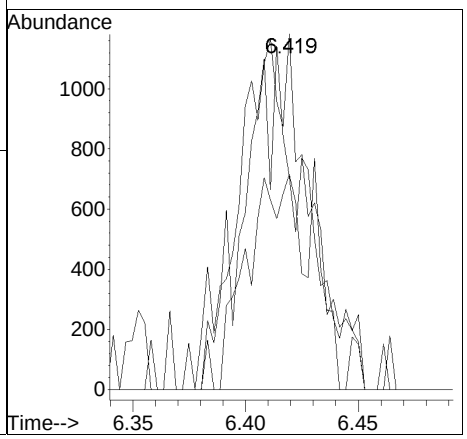


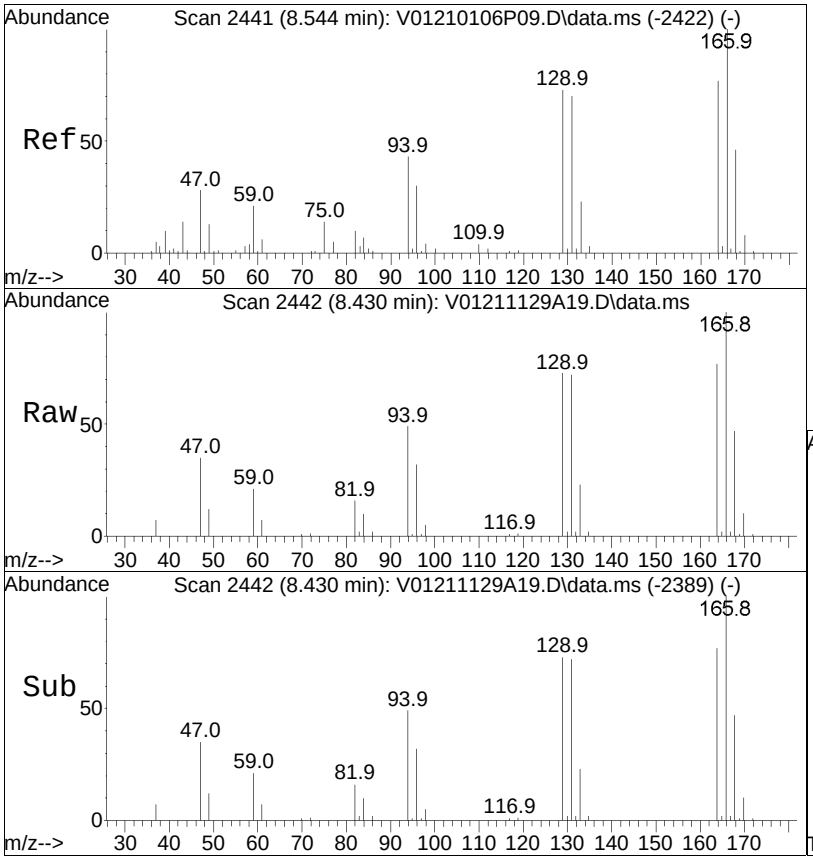


#48
Trichloroethene
Concen: 0.21 ug/L M1
RT: 6.419 min Scan# 1721
Delta R.T. 0.011 min
Lab File: V01211129A19.D
Acq: 29 Nov 2021 1:55 pm

Tgt Ion: 95 Resp: 2573

Ion	Ratio	Lower	Upper
95	100		
97	27.6	54.4	81.6#
130	21.7	80.6	120.8#

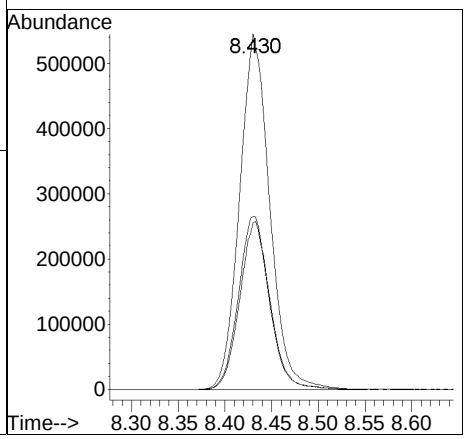




#63
Tetrachloroethene
Concen: 99.10 ug/L
RT: 8.430 min Scan# 2442
Delta R.T. -0.003 min
Lab File: V01211129A19.D
Acq: 29 Nov 2021 1:55 pm

Tgt Ion:166 Resp: 1225373

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.4	67.4
94	49.7	24.8	64.8

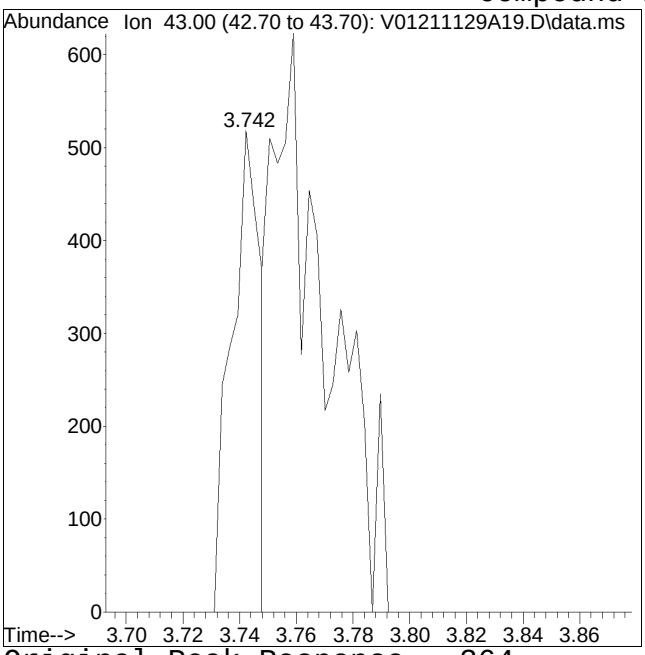


Manual Integration Report

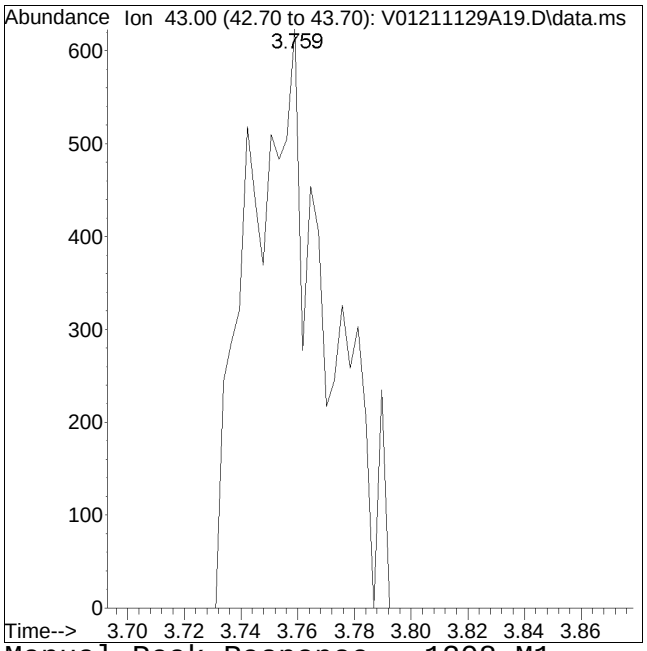
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A19.D
Date Inj'd : 11/29/2021 1:55 pm
Sample : L2163944-02D,31,4.0,10,,A,

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #17: Acetone



Original Peak Response = 364



Manual Peak Response = 1208 M1

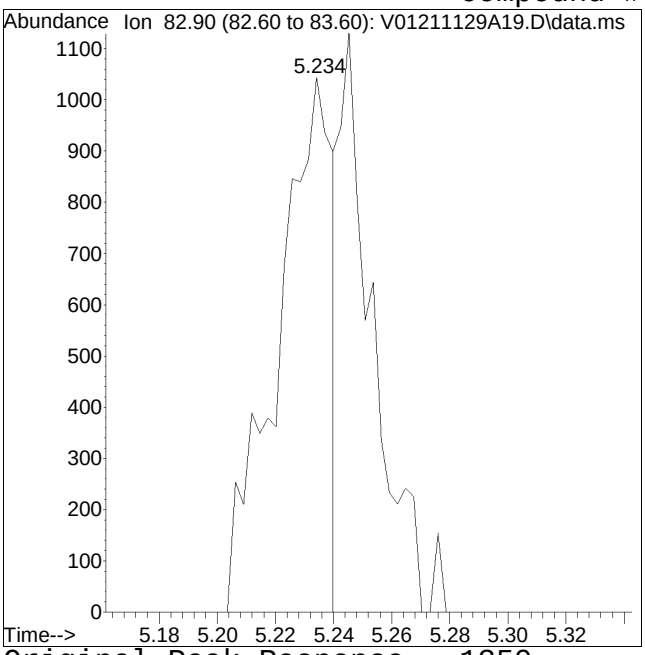
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

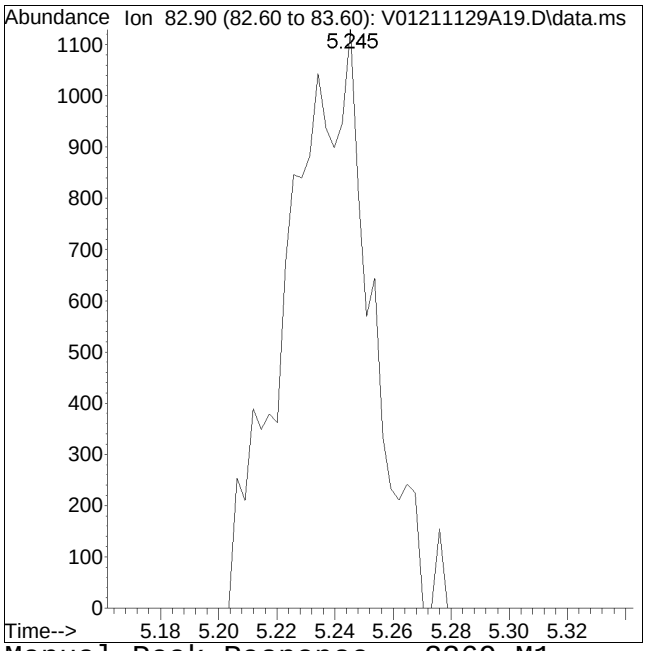
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A19.D
Date Inj'd : 11/29/2021 1:55 pm
Sample : L2163944-02D,31,4.0,10,,A,

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #32: Chloroform



Original Peak Response = 1350



Manual Peak Response = 2269 M1

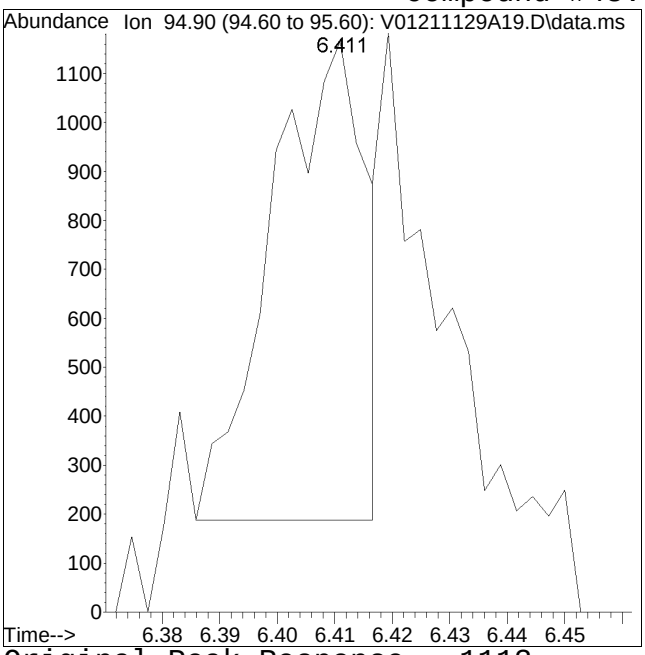
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

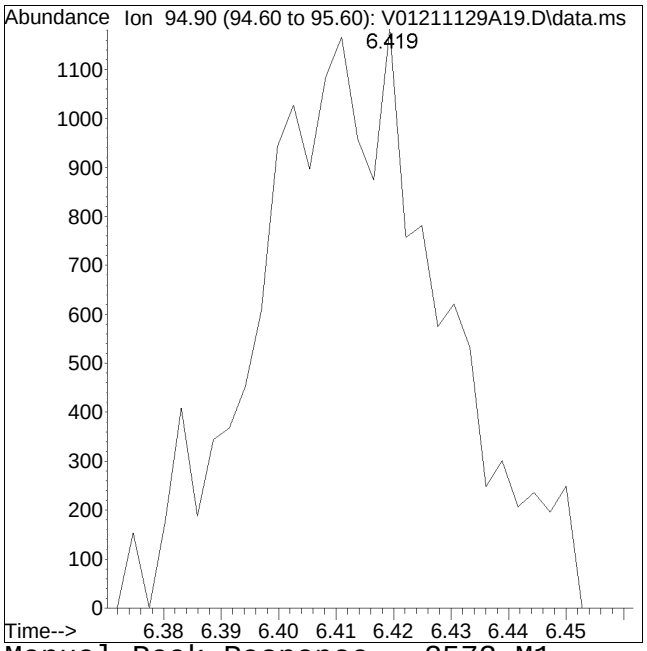
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A19.D
Date Inj'd : 11/29/2021 1:55 pm
Sample : L2163944-02D,31,4.0,10,,A,

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/30/2021 12:04 pm

Compound #48: Trichloroethene



Original Peak Response = 1113



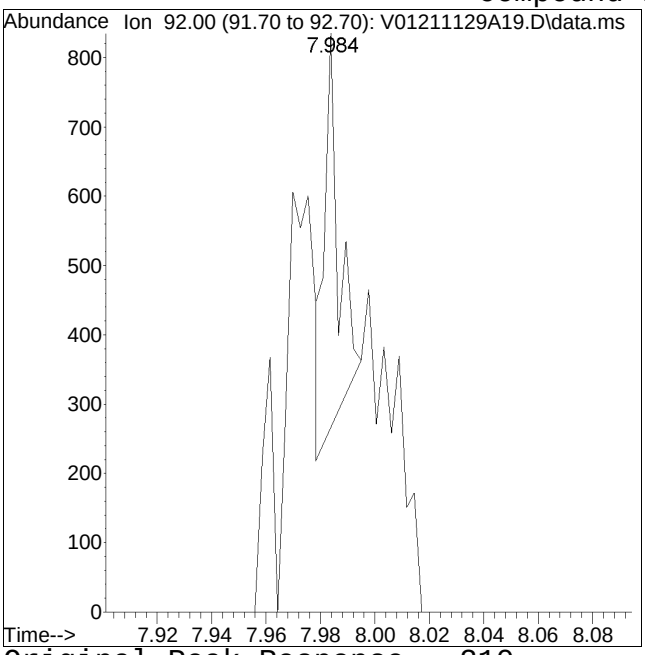
Manual Peak Response = 2573 M1

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

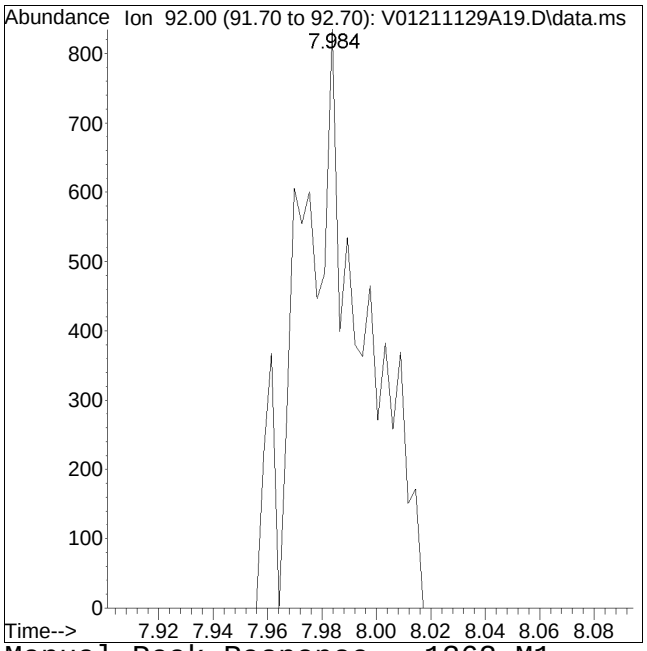
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A19.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:55 pm Instrument : VOA 101
Sample : L2163944-02D,31,4.0,10,,A,Quant Date : 11/30/2021 12:04 pm

Compound #61: Toluene



Original Peak Response = 210



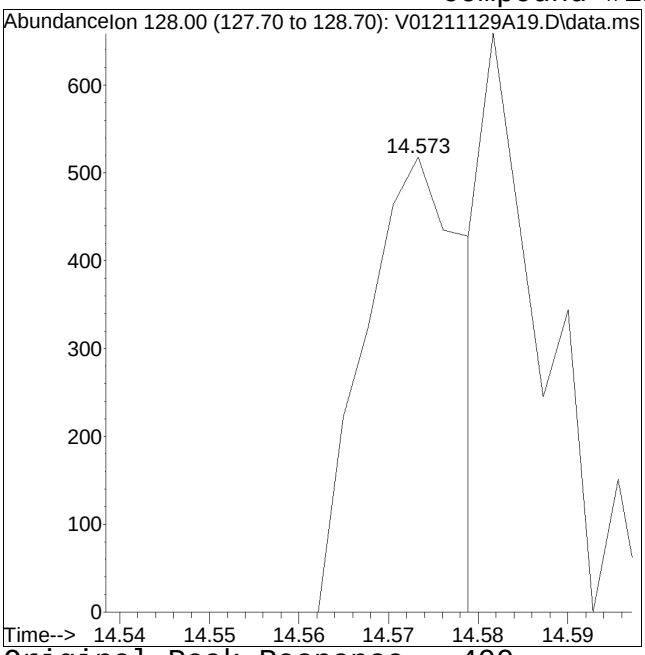
Manual Peak Response = 1362 M1

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

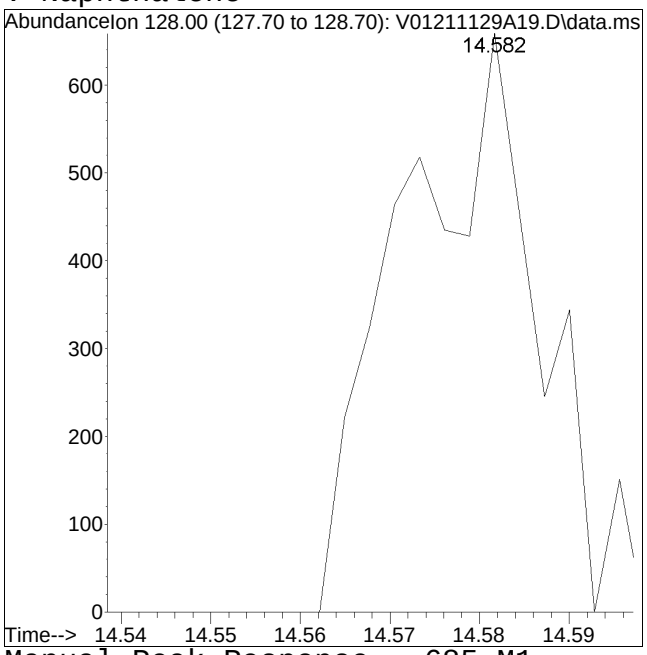
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A19.D Operator : VOA101:NLK
Date Inj'd : 11/29/2021 1:55 pm Instrument : VOA 101
Sample : L2163944-02D,31,4.0,10,,A,Quant Date : 11/30/2021 12:04 pm

Compound #110: Naphthalene



Original Peak Response = 400



Manual Peak Response = 685 M1

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

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

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

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

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01211129A19.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	1342	1359	1392	rVB3	165069	383385	4.92%	2.776%
2	5.942	1531	1550	1580	rBV2	157151	377677	4.85%	2.735%
3	6.224	1631	1651	1682	rBV3	433278	995363	12.78%	7.208%
4	7.922	2241	2260	2301	rBV2	536839	1246242	15.99%	9.025%
5	8.430	2416	2442	2488	rBV2	3386631	7791472	100.00%	56.422%
6	9.774	2905	2924	2965	rBV	485871	1104493	14.18%	7.998%
7	11.238	3434	3449	3479	rBV	429723	821669	10.55%	5.950%
8	12.429	3859	3876	3900	rBV	667926	1089041	13.98%	7.886%

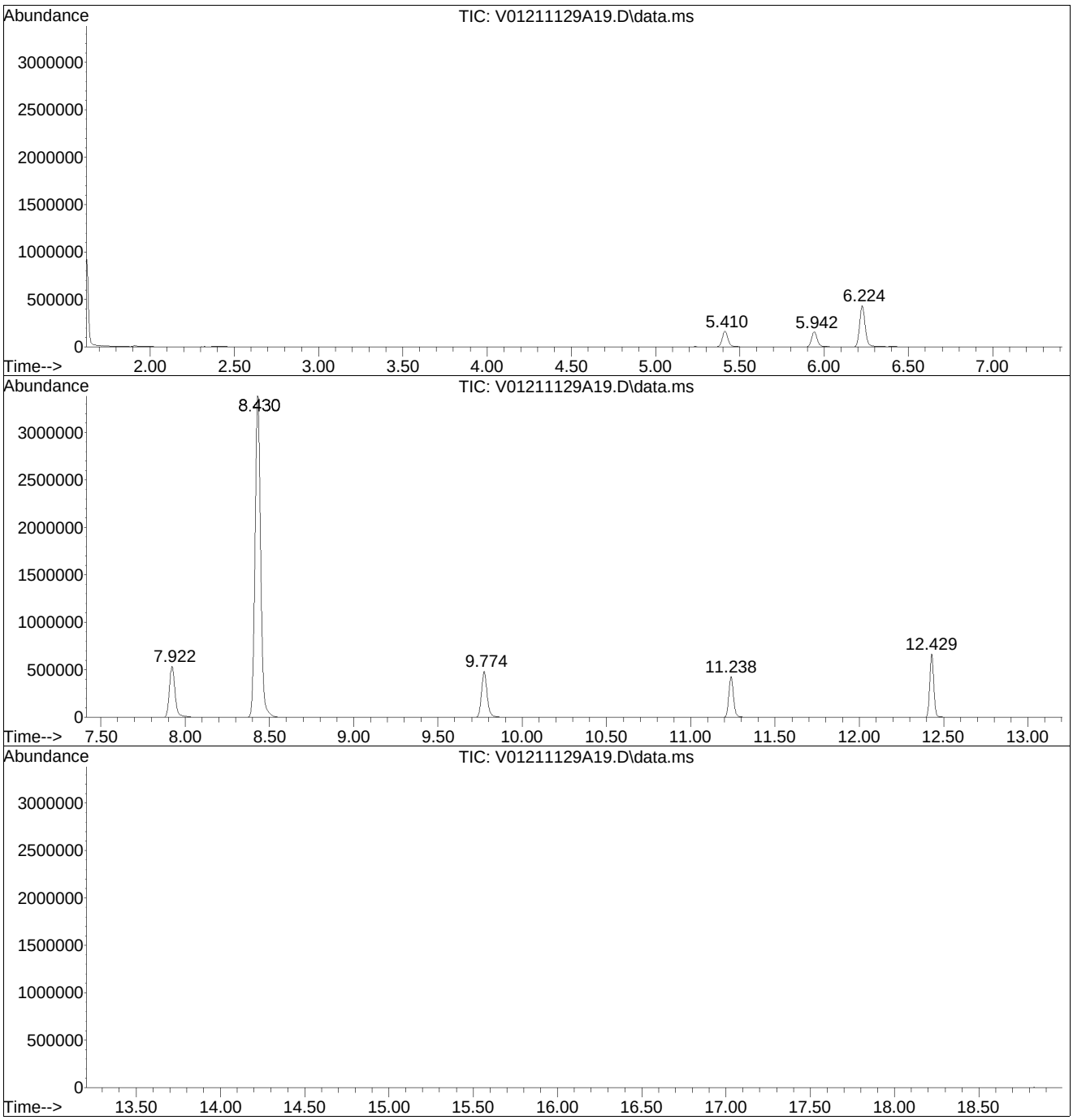
Sum of corrected areas: 13809342

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A19.D
Acq On : 29 Nov 2021 1:55 pm
Operator : VOA101:NLK
Sample : L2163944-02D,31,4.0,10,,A,PRI
Misc : WG1577201,ICAL18440
ALS Vial : 19 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2163944**
Project Name	**: SPIC AND SPAN CLEANERS**	**Project Number**	**: 11663**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL18440**
Calibration dates	**: 11/04/21 10:22 11/04/21 13:50**		

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo			0.161	0.281	0.283	0.282	0.295	0.296	0.266	19.49
3)	TP	Chloromethane		0.310	0.224	0.300	0.294	0.287	0.301	0.303	0.288	10.21
4)	TC	Vinyl chloride	0.244	0.241	0.184	0.298	0.299	0.296	0.313	0.317	0.274	17.01
5)	TP	Bromomethane		0.208	0.141	0.175	0.192	0.214	0.238	0.250	0.203	18.36
6)	TP	Chloroethane		0.160	0.135	0.193	0.190	0.189	0.199	0.207	0.182	13.93
7)	TP	Trichlorofluor		0.329	0.254	0.431	0.438	0.435	0.459	0.471	0.402	19.95
8)	TP	Ethyl ether		0.111	0.080	0.112	0.112	0.109	0.115	0.116	0.108	11.50
10)	TC	1,1-Dichloroet		0.190	0.148	0.242	0.240	0.240	0.253	0.258	0.225	18.02
11)	TP	Carbon disulfide		0.594	0.429	0.648	0.654	0.673	0.711	0.730	0.634	15.91
12)	TP	Freon-113		0.215	0.148	0.260	0.264	0.263	0.276	0.283	0.244	19.53
13)	TP	Iodomethane			0.190	0.308	0.326	0.318	0.324	0.316	0.297	17.84
14)	TP	Acrolein			0.013	0.021	0.021	0.021	0.023	0.024	0.021	17.97
15)	TP	Methylene chlo		0.281	0.200	0.249	0.251	0.247	0.259	0.264	0.250	10.04
16)	TP	Isopropyl alcohol				0.003	0.004	0.004	0.005	0.005	0.004#	17.21
17)	TP	Acetone			0.048	0.050	0.055	0.052	0.057	0.057	0.053	7.09
18)	TP	trans-1,2-Dich		0.235	0.179	0.258	0.259	0.257	0.271	0.275	0.248	13.27
19)	TP	Methyl acetate		0.096	0.072	0.094	0.096	0.094	0.102	0.106	0.094	11.65
20)	TP	Methyl tert butyl ether		0.535	0.404	0.540	0.556	0.534	0.566	0.580	0.531	11.02
21)	TP	tert-Butyl alc		0.008	0.008	0.006	0.007	0.007	0.008	0.009	0.008#	12.61
22)	TP	Diisopropyl ether		0.754	0.590	0.780	0.799	0.786	0.825	0.844	0.768	10.92
23)	TP	1,1-Dichloroet		0.443	0.360	0.490	0.489	0.486	0.509	0.520	0.471	11.55
24)	TP	Halothane		0.166	0.128	0.201	0.204	0.203	0.214	0.218	0.191	16.97
25)	TP	Acrylonitrile			0.031	0.046	0.050	0.048	0.053	0.054	0.047	18.14
26)	TP	Ethyl tert-but		0.707	0.530	0.712	0.732	0.718	0.761	0.788	0.707	11.81
27)	TP	Vinyl acetate		0.388	0.298	0.442	0.437	0.440	0.447	0.459	0.416	13.56
28)	TP	cis-1,2-Dichlo		0.268	0.204	0.281	0.282	0.281	0.295	0.300	0.273	11.81
29)	TP	2,2-Dichloropr		0.351	0.267	0.402	0.405	0.405	0.421	0.425	0.382	14.69
30)	TP	Bromochloromet		0.120	0.092	0.121	0.125	0.119	0.121	0.123	0.117	9.83
31)	TP	Cyclohexane		0.370	0.284	0.465	0.473	0.475	0.497	0.514	0.440	18.79
32)	TC	Chloroform		0.443	0.327	0.463	0.477	0.471	0.494	0.506	0.455	13.11
33)	TP	Ethyl acetate		0.119	0.112	0.144	0.146	0.143	0.155	0.157	0.139	12.34
34)	TP	Carbon tetrachloride	0.349	0.323	0.242	0.393	0.405	0.408	0.431	0.443	0.374	17.85
35)	TP	Tetrahydrofuran		0.051	0.029	0.037	0.035	0.035	0.039	0.039	0.038	18.16
36)	S	Dibromofluoromethane	0.252	0.251	0.250	0.255	0.256	0.258	0.262	0.265	0.256	2.09
37)	TP	1,1,1-Trichlor		0.376	0.279	0.438	0.442	0.441	0.463	0.470	0.416	16.24

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2163944**
Project Name	**: SPIC AND SPAN CLEANERS**	**Project Number**	**: 11663**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL18440**
Calibration dates	**: 11/04/21 10:22 11/04/21 13:50**		

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
38)	TP	2-Butanol		0.007	0.008	0.004	0.005	0.006	0.006	0.006	*L	0.9933
39)	TP	2-Butanone		0.069	0.053	0.055	0.060	0.061	0.065	0.066	0.061	9.55
40)	TP	1,1-Dichloropr		0.297	0.231	0.359	0.368	0.367	0.386	0.394	0.343	17.02
41)	TP	Benzene	1.029	0.949	0.718	0.990	1.004	1.001	1.047	1.072	0.976	11.35
42)	TP	Tertiary-Amyl Methyl Ether		0.583	0.448	0.591	0.606	0.600	0.638	0.659	0.589	11.49
43)	S	1,2-Dichloroethane-d4	0.280	0.282	0.275	0.283	0.279	0.284	0.291	0.309	0.285	3.70
44)	TP	1,2-Dichloroet		0.325	0.242	0.316	0.325	0.315	0.334	0.344	0.314	10.68
46)	TP	2-Methyl-2-but			0.009	0.005	0.006	0.006	0.007	0.007	0.007#	17.45
47)	TP	Methyl cyclohe		0.329	0.276	0.436	0.445	0.456	0.475	0.504	0.417	19.81
48)	TP	Trichloroethene	0.269	0.239	0.195	0.278	0.286	0.289	0.310	0.324	0.274	14.85
50)	TP	Dibromomethane		0.125	0.096	0.135	0.138	0.134	0.143	0.146	0.131	12.91
51)	TC	1,2-Dichloropr		0.246	0.193	0.255	0.259	0.260	0.270	0.280	0.252	11.13
52)	TP	4-penten-2-ol				0.002	0.003	0.004	0.005	0.005	*L	0.9910
53)	TP	2-Chloroethyl		0.026	0.023	0.036	0.038	0.033	0.032	0.028	0.031	17.70
54)	TP	Bromodichlorom		0.328	0.261	0.348	0.357	0.362	0.382	0.395	0.348	12.64
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.26
58)	TP	cis-1,3-Dichloropropene		0.346	0.275	0.388	0.404	0.405	0.425	0.441	0.383	14.72
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.264	1.262	1.251	1.254	1.240	1.222	1.210	1.183	1.236	2.31
61)	TC	Toluene		0.811	0.617	0.825	0.830	0.817	0.850	0.864	0.802	10.42
62)	TP	4-Methyl-2-pen		0.063	0.049	0.064	0.071	0.068	0.072	0.074	0.066	13.04
63)	TP	Tetrachloroethene		0.316	0.245	0.369	0.379	0.374	0.387	0.394	0.352	15.30
65)	TP	trans-1,3-Dichloropropene		0.362	0.298	0.414	0.443	0.435	0.459	0.474	0.412	15.02
66)	TP	4-Methyl-2-pen			0.027	0.019	0.022	0.025	0.027	0.028	0.025	13.48
67)	TP	Ethyl methacry		0.270	0.218	0.296	0.316	0.309	0.327	0.335	0.296	13.65
68)	TP	1,1,2-Trichlor		0.203	0.153	0.199	0.202	0.194	0.203	0.207	0.195#	9.62
69)	TP	Chlorodibromom		0.278	0.209	0.292	0.311	0.304	0.321	0.328	0.292	13.74
70)	TP	1,3-Dichloropr		0.404	0.304	0.406	0.417	0.398	0.415	0.421	0.395	10.34
71)	TP	1,2-Dibromoethane		0.222	0.170	0.235	0.239	0.231	0.241	0.243	0.226	11.36
72)	TP	2-Hexanone		0.126	0.084	0.120	0.130	0.122	0.132	0.132	0.121	13.91
73)	TP	Chlorobenzene		0.881	0.703	0.903	0.926	0.918	0.955	0.983	0.895	10.20
74)	TC	Ethylbenzene		1.471	1.179	1.611	1.656	1.654	1.723	1.774	1.581	12.73
75)	TP	1,1,1,2-Tetrac		0.294	0.246	0.330	0.350	0.345	0.362	0.373	0.328	13.53
76)	TP	p/m Xylene		0.572	0.446	0.618	0.645	0.653	0.693	0.733	0.623	14.99
77)	TP	o Xylene		0.548	0.435	0.587	0.610	0.620	0.659	0.695	0.593	14.19
78)	TP	Styrene		0.886	0.698	0.962	1.014	1.041	1.114		0.952	15.34

Initial Calibration Summary
Form 6
Volatiles

Client	**: Soils Engineering Services, Inc.**	**Lab Number**	**: L2163944**
Project Name	**: SPIC AND SPAN CLEANERS**	**Project Number**	**: 11663**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL18440**
Calibration dates	**: 11/04/21 10:22 11/04/21 13:50**		

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.291	0.221	0.304	0.329	0.330	0.347	0.364	0.312	15.09
82)	TP	Isopropylbenzene		2.622	2.145	2.936	2.980	3.004	3.080	3.248	2.859	12.83
83)	S	4-Bromofluorobenzene	0.943	0.945	0.916	0.919	0.904	0.901	0.884	0.879	0.911	2.69
84)	TP	Bromobenzene		0.696	0.542	0.676	0.684	0.677	0.695	0.721	0.670	8.75
85)	TP	n-Propylbenzene		3.049	2.396	3.416	3.467	3.504	3.585	3.682	3.300	13.50
86)	TP	1,4-Dichlorobu		0.780	0.574	0.743	0.753	0.738	0.770	0.815	0.739	10.45
87)	TP	1,1,2,2-Tetrac		0.479	0.356	0.462	0.467	0.448	0.461	0.472	0.449	9.45
88)	TP	4-Ethyltoluene		2.545	2.012	2.779	2.862	2.896	2.957	3.130	2.740	13.39
89)	TP	2-Chlorotoluene		1.930	1.481	1.956	1.975	2.006	2.038	2.142	1.933	10.91
90)	TP	1,3,5-Trimethy		2.122	1.674	2.272	2.340	2.381	2.456	2.635	2.269	13.49
91)	TP	1,2,3-Trichlor		0.420	0.296	0.384	0.395	0.383	0.406	0.429	0.387	11.33
92)	TP	trans-1,4-Dich		0.127	0.097	0.139	0.150	0.146	0.153	0.157	0.138	15.09
93)	TP	4-Chlorotoluene		1.954	1.537	1.990	2.049	2.063	2.121	2.236	1.993	11.09
94)	TP	tert-Butylbenzene		1.762	1.396	1.941	1.983	2.004	2.058	2.170	1.902	13.41
97)	TP	1,2,4-Trimethy		2.046	1.635	2.188	2.268	2.291	2.365	2.509	2.186	12.91
98)	TP	sec-Butylbenzene		2.345	1.915	2.646	2.741	2.789	2.851	2.994	2.612	14.07
99)	TP	p-Isopropyltol		2.038	1.618	2.262	2.377	2.418	2.485	2.615	2.259	14.87
100)	TP	1,3-Dichlorobe		1.205	0.940	1.207	1.258	1.259	1.297	1.361	1.218	10.98
101)	TP	1,4-Dichlorobe		1.279	0.961	1.219	1.269	1.263	1.300	1.361	1.236	10.41
102)	TP	p-Diethylbenzene		1.143	0.913	1.263	1.338	1.363	1.407	1.474	1.272	14.98
103)	TP	n-Butylbenzene		1.646	1.320	1.796	1.877	1.896	1.931	1.999	1.781	13.04
104)	TP	1,2-Dichlorobe		1.106	0.840	1.071	1.112	1.107	1.142	1.187	1.081	10.38
105)	TP	1,2,4,5-Tetram		1.700	1.283	1.738	1.861	1.863	1.925	2.004	1.768	13.43
106)	TP	1,2-Dibromo-3-		0.045	0.043	0.057	0.063	0.062	0.066	0.066	0.057	16.95
107)	TP	1,3,5-Trichlor		0.619	0.467	0.611	0.645	0.638	0.648	0.664	0.613	10.92
108)	TP	Hexachlorobuta		0.210	0.154	0.204	0.212	0.215	0.216	0.218	0.204	11.07
109)	TP	1,2,4-Trichlor		0.546	0.382	0.494	0.517	0.503	0.524	0.534	0.500	10.94
110)	TP	Naphthalene		1.188	0.805	1.013	1.094	1.040	1.098	1.106	1.049	11.53
111)	TP	1,2,3-Trichlor		0.453	0.300	0.369	0.392	0.376	0.394	0.399	0.383#	11.91

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Method File : V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021
Response Via : Initial Calibration

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	ISTD									
2)	TP	Dichlorodifluo...		0.161	0.281	0.283	0.282	0.295	0.296	0.266		19.49
3)	TP	Chloromethane		0.310	0.224	0.300	0.294	0.287	0.301	0.303	0.288	10.21
4)	TC	Vinyl chloride	0.244	0.241	0.184	0.298	0.299	0.296	0.313	0.317	0.274	17.01
5)	TP	Bromomethane		0.208	0.141	0.175	0.192	0.214	0.238	0.250	0.203	18.36
6)	TP	Chloroethane		0.160	0.135	0.193	0.190	0.189	0.199	0.207	0.182	13.93
7)	TP	Trichlorofluor...		0.329	0.254	0.431	0.438	0.435	0.459	0.471	0.402	19.95
8)	TP	Ethyl ether		0.111	0.080	0.112	0.112	0.109	0.115	0.116	0.108	11.50
10)	TC	1,1-Dichloroet...		0.190	0.148	0.242	0.240	0.240	0.253	0.258	0.225	18.02
11)	TP	Carbon disulfide		0.594	0.429	0.648	0.654	0.673	0.711	0.730	0.634	15.91
12)	TP	Freon-113		0.215	0.148	0.260	0.264	0.263	0.276	0.283	0.244	19.53
13)	TP	Iodomethane			0.190	0.308	0.326	0.318	0.324	0.316	0.297	17.84
14)	TP	Acrolein			0.013	0.021	0.021	0.021	0.023	0.024	0.021	17.97
15)	TP	Methylene chlo...		0.281	0.200	0.249	0.251	0.247	0.259	0.264	0.250	10.04
16)	TP	Isopropyl alcohol				0.003	0.004	0.004	0.005	0.005	0.004#	17.21
17)	TP	Acetone			0.048	0.050	0.055	0.052	0.057	0.057	0.053	7.09
18)	TP	trans-1,2-Dich...		0.235	0.179	0.258	0.259	0.257	0.271	0.275	0.248	13.27
19)	TP	Methyl acetate		0.096	0.072	0.094	0.096	0.094	0.102	0.106	0.094	11.65
20)	TP	Methyl tert-bu...		0.535	0.404	0.540	0.556	0.534	0.566	0.580	0.531	11.02
21)	TP	tert-Butyl alc...		0.008	0.008	0.006	0.007	0.007	0.008	0.009	0.008#	12.61
22)	TP	Diisopropyl ether		0.754	0.590	0.780	0.799	0.786	0.825	0.844	0.768	10.92
23)	TP	1,1-Dichloroet...		0.443	0.360	0.490	0.489	0.486	0.509	0.520	0.471	11.55
24)	TP	Halothane		0.166	0.128	0.201	0.204	0.203	0.214	0.218	0.191	16.97
25)	TP	Acrylonitrile			0.031	0.046	0.050	0.048	0.053	0.054	0.047	18.14
26)	TP	Ethyl tert-but...		0.707	0.530	0.712	0.732	0.718	0.761	0.788	0.707	11.81
27)	TP	Vinyl acetate		0.388	0.298	0.442	0.437	0.440	0.447	0.459	0.416	13.56
28)	TP	cis-1,2-Dichlo...		0.268	0.204	0.281	0.282	0.281	0.295	0.300	0.273	11.81
29)	TP	2,2-Dichloropr...		0.351	0.267	0.402	0.405	0.405	0.421	0.425	0.382	14.69
30)	TP	Bromochloromet...		0.120	0.092	0.121	0.125	0.119	0.121	0.123	0.117	9.83
31)	TP	Cyclohexane		0.370	0.284	0.465	0.473	0.475	0.497	0.514	0.440	18.79
32)	TC	Chloroform		0.443	0.327	0.463	0.477	0.471	0.494	0.506	0.455	13.11

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Method File : V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021
Response Via : Initial Calibration

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
33)	TP	Ethyl acetate		0.119	0.112	0.144	0.146	0.143	0.155	0.157	0.139	12.34
34)	TP	Carbon tetrach...	0.349	0.323	0.242	0.393	0.405	0.408	0.431	0.443	0.374	17.85
35)	TP	Tetrahydrofuran		0.051	0.029	0.037	0.035	0.035	0.039	0.039	0.038	18.16
36)	S	Dibromofluorom...	0.252	0.251	0.250	0.255	0.256	0.258	0.262	0.265	0.256	2.09
37)	TP	1,1,1-Trichlor...		0.376	0.279	0.438	0.442	0.441	0.463	0.470	0.416	16.24
38)	TP	2-Butanol		0.007	0.008	0.004	0.005	0.006	0.006	0.006	*L	0.9933
39)	TP	2-Butanone		0.069	0.053	0.055	0.060	0.061	0.065	0.066	0.061	9.55
40)	TP	1,1-Dichloropr...		0.297	0.231	0.359	0.368	0.367	0.386	0.394	0.343	17.02
41)	TP	Benzene	1.029	0.949	0.718	0.990	1.004	1.001	1.047	1.072	0.976	11.35
42)	TP	tert-Amyl meth...		0.583	0.448	0.591	0.606	0.600	0.638	0.659	0.589	11.49
43)	S	1,2-Dichloroet...	0.280	0.282	0.275	0.283	0.279	0.284	0.291	0.309	0.285	3.70
44)	TP	1,2-Dichloroet...		0.325	0.242	0.316	0.325	0.315	0.334	0.344	0.314	10.68
46)	TP	2-Methyl-2-but...			0.009	0.005	0.006	0.006	0.007	0.007	0.007#	17.45
47)	TP	Methyl cyclohe...		0.329	0.276	0.436	0.445	0.456	0.475	0.504	0.417	19.81
48)	TP	Trichloroethene	0.269	0.239	0.195	0.278	0.286	0.289	0.310	0.324	0.274	14.85
50)	TP	Dibromomethane		0.125	0.096	0.135	0.138	0.134	0.143	0.146	0.131	12.91
51)	TC	1,2-Dichloropr...		0.246	0.193	0.255	0.259	0.260	0.270	0.280	0.252	11.13
52)	TP	4-penten-2-ol				0.002	0.003	0.004	0.005	0.005	*L	0.9910
53)	TP	2-Chloroethyl ...		0.026	0.023	0.036	0.038	0.033	0.032	0.028	0.031	17.70
54)	TP	Bromodichlorom...		0.328	0.261	0.348	0.357	0.362	0.382	0.395	0.348	12.64
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.26
58)	TP	cis-1,3-Dichlo...		0.346	0.275	0.388	0.404	0.405	0.425	0.441	0.383	14.72
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.264	1.262	1.251	1.254	1.240	1.222	1.210	1.183	1.236	2.31
61)	TC	Toluene		0.811	0.617	0.825	0.830	0.817	0.850	0.864	0.802	10.42
62)	TP	4-Methyl-2-pen...		0.063	0.049	0.064	0.071	0.068	0.072	0.074	0.066	13.04
63)	TP	Tetrachloroethene		0.316	0.245	0.369	0.379	0.374	0.387	0.394	0.352	15.30
65)	TP	trans-1,3-Dich...		0.362	0.298	0.414	0.443	0.435	0.459	0.474	0.412	15.02
66)	TP	4-Methyl-2-pen...			0.027	0.019	0.022	0.025	0.027	0.028	0.025	13.48
67)	TP	Ethyl methacry...		0.270	0.218	0.296	0.316	0.309	0.327	0.335	0.296	13.65
68)	TP	1,1,2-Trichlor...		0.203	0.153	0.199	0.202	0.194	0.203	0.207	0.195#	9.62

Response Factor Report VOA 101

Method Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Method File : V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021
Response Via : Initial Calibration

Calibration Files
L11 =V01211104A04.D L1 =V01211104A06.D L2 =V01211104A08.D L3 =V01211104A09.D L4 =V01211104A10.D
L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
69)	TP	Chlorodibromom...		0.278	0.209	0.292	0.311	0.304	0.321	0.328	0.292	13.74	
70)	TP	1,3-Dichloropr...		0.404	0.304	0.406	0.417	0.398	0.415	0.421	0.395	10.34	
71)	TP	1,2-Dibromoethane		0.222	0.170	0.235	0.239	0.231	0.241	0.243	0.226	11.36	
72)	TP	2-Hexanone		0.126	0.084	0.120	0.130	0.122	0.132	0.132	0.121	13.91	
73)	TP	Chlorobenzene		0.881	0.703	0.903	0.926	0.918	0.955	0.983	0.895	10.20	
74)	TC	Ethylbenzene		1.471	1.179	1.611	1.656	1.654	1.723	1.774	1.581	12.73	
75)	TP	1,1,1,2-Tetrac...		0.294	0.246	0.330	0.350	0.345	0.362	0.373	0.328	13.53	
76)	TP	p/m Xylene		0.572	0.446	0.618	0.645	0.653	0.693	0.733	0.623	14.99	
77)	TP	o Xylene		0.548	0.435	0.587	0.610	0.620	0.659	0.695	0.593	14.19	
78)	TP	Styrene		0.886	0.698	0.962	1.014	1.041	1.114		0.952	15.34	
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.291	0.221	0.304	0.329	0.330	0.347	0.364	0.312	15.09	
82)	TP	Isopropylbenzene		2.622	2.145	2.936	2.980	3.004	3.080	3.248	2.859	12.83	
83)	S	4-Bromofluorob...	0.943	0.945	0.916	0.919	0.904	0.901	0.884	0.879	0.911	2.69	
84)	TP	Bromobenzene		0.696	0.542	0.676	0.684	0.677	0.695	0.721	0.670	8.75	
85)	TP	n-Propylbenzene		3.049	2.396	3.416	3.467	3.504	3.585	3.682	3.300	13.50	
86)	TP	1,4-Dichlorobu...		0.780	0.574	0.743	0.753	0.738	0.770	0.815	0.739	10.45	
87)	TP	1,1,2,2-Tetrac...		0.479	0.356	0.462	0.467	0.448	0.461	0.472	0.449	9.45	
88)	TP	4-Ethyltoluene		2.545	2.012	2.779	2.862	2.896	2.957	3.130	2.740	13.39	
89)	TP	2-Chlorotoluene		1.930	1.481	1.956	1.975	2.006	2.038	2.142	1.933	10.91	
90)	TP	1,3,5-Trimethy...		2.122	1.674	2.272	2.340	2.381	2.456	2.635	2.269	13.49	
91)	TP	1,2,3-Trichlor...		0.420	0.296	0.384	0.395	0.383	0.406	0.429	0.387	11.33	
92)	TP	trans-1,4-Dich...		0.127	0.097	0.139	0.150	0.146	0.153	0.157	0.138	15.09	
93)	TP	4-Chlorotoluene		1.954	1.537	1.990	2.049	2.063	2.121	2.236	1.993	11.09	
94)	TP	tert-Butylbenzene		1.762	1.396	1.941	1.983	2.004	2.058	2.170	1.902	13.41	
97)	TP	1,2,4-Trimethy...		2.046	1.635	2.188	2.268	2.291	2.365	2.509	2.186	12.91	
98)	TP	sec-Butylbenzene		2.345	1.915	2.646	2.741	2.789	2.851	2.994	2.612	14.07	
99)	TP	p-Isopropyltol...		2.038	1.618	2.262	2.377	2.418	2.485	2.615	2.259	14.87	
100)	TP	1,3-Dichlorobe...		1.205	0.940	1.207	1.258	1.259	1.297	1.361	1.218	10.98	
101)	TP	1,4-Dichlorobe...		1.279	0.961	1.219	1.269	1.263	1.300	1.361	1.236	10.41	
102)	TP	p-Diethylbenzene		1.143	0.913	1.263	1.338	1.363	1.407	1.474	1.272	14.98	

Method Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Method File : V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021
Response Via : Initial Calibration

Calibration Files
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L6 =V01211104A11.D L8 =V01211104A12.D L10 =V01211104A13.D

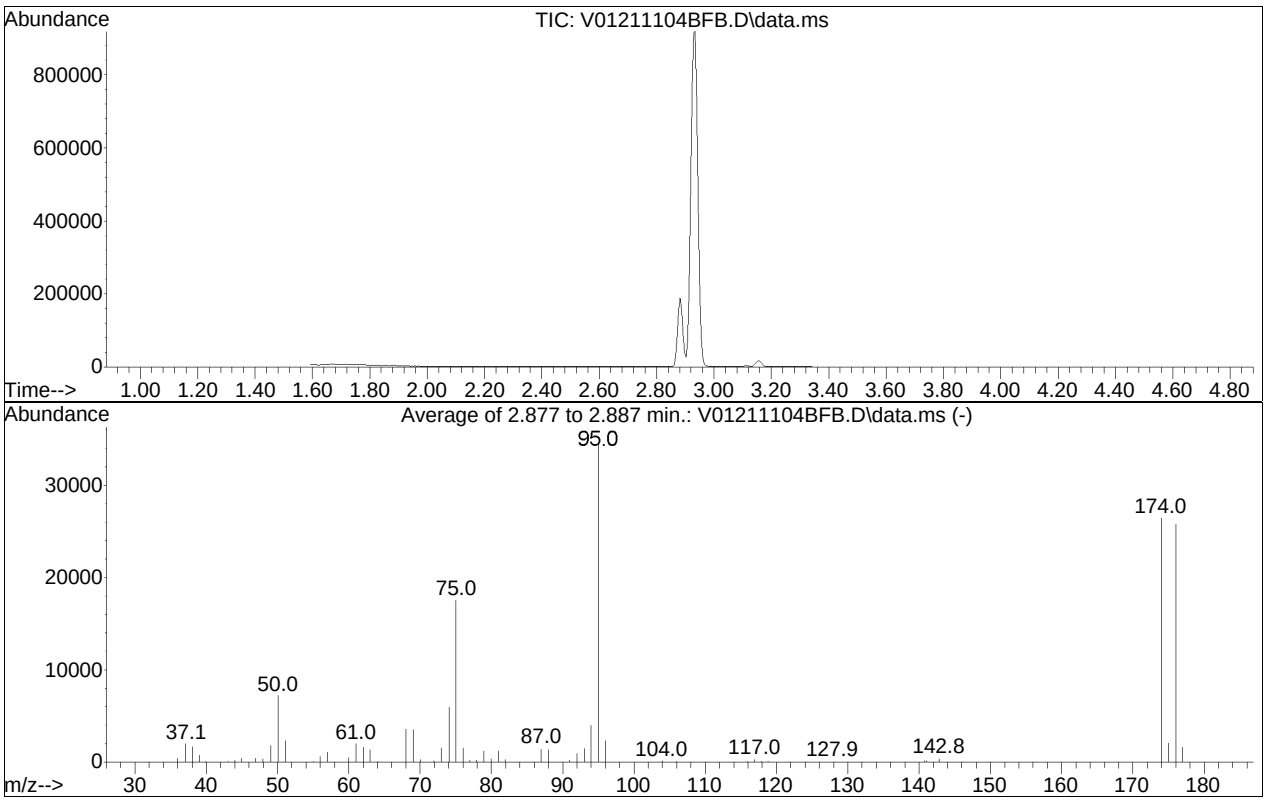
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
103) TP	n-Butylbenzene	1.646	1.320	1.796	1.877	1.896	1.931	1.999	1.781		13.04
104) TP	1,2-Dichlorobe...	1.106	0.840	1.071	1.112	1.107	1.142	1.187	1.081		10.38
105) TP	1,2,4,5-Tetram...	1.700	1.283	1.738	1.861	1.863	1.925	2.004	1.768		13.43
106) TP	1,2-Dibromo-3-...	0.045	0.043	0.057	0.063	0.062	0.066	0.066	0.057		16.95
107) TP	1,3,5-Trichlor...	0.619	0.467	0.611	0.645	0.638	0.648	0.664	0.613		10.92
108) TP	Hexachlorobuta...	0.210	0.154	0.204	0.212	0.215	0.216	0.218	0.204		11.07
109) TP	1,2,4-Trichlor...	0.546	0.382	0.494	0.517	0.503	0.524	0.534	0.500		10.94
110) TP	Naphthalene	1.188	0.805	1.013	1.094	1.040	1.098	1.106	1.049		11.53
111) TP	1,2,3-Trichlor...	0.453	0.300	0.369	0.392	0.376	0.394	0.399	0.383#		11.91

(#) = Out of Range

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104BFB.D
Acq On : 4 Nov 2021 8:50 am
Operator : VOA101:PD
Sample : WG1567338-1
Misc : WG1567338
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021



AutoFind: Scans 246, 247, 248; Background Corrected with Scan 239

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	7199	PASS
75	95	30	60	50.7	17550	PASS
95	95	100	100	100.0	34621	PASS
96	95	5	9	6.8	2343	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.5	26488	PASS
175	174	5	9	7.8	2060	PASS
176	174	95	101	97.4	25789	PASS
177	176	5	9	6.3	1615	PASS

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A04.D
Acq On : 4 Nov 2021 10:22 am
Operator : VOA101:NLK
Sample : I8260STD0.19PPB
Misc : WG1567338
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 13:36:52 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	475872	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 103.78%			
59) Chlorobenzene-d5	9.777	117	363854	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 102.49%			
79) 1,4-Dichlorobenzene-d4	12.429	152	184581	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 99.29%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.410	113	119872	9.868	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.68%			
43) 1,2-Dichloroethane-d4	5.940	65	133014	9.882	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.82%			
60) Toluene-d8	7.920	98	460075	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%			
83) 4-Bromofluorobenzene	11.235	95	174054	10.256	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.56%			
Target Compounds						Qvalue
4) Vinyl chloride	2.041	62	2203	0.155	ug/L	67
34) Carbon tetrachloride	5.374	117	3152M1	0.168	ug/L	
41) Benzene	5.811	78	9303	0.197	ug/L #	82
48) Trichloroethene	6.400	95	2428M1	0.183	ug/L	
58) cis-1,3-Dichloropropene	7.719	75	3270	0.177	ug/L #	75
61) Toluene	7.981	92	6042	0.201	ug/L #	43
65) trans-1,3-Dichloropropene	8.477	75	2648M1	0.176	ug/L	
74) Ethylbenzene	9.830	91	11045	0.188	ug/L	97
76) p/m Xylene	10.022	106	8082	0.359	ug/L	94
77) o Xylene	10.549	106	8333	0.390	ug/L	100
78) Styrene	10.619	104	12694	0.363	ug/L	97

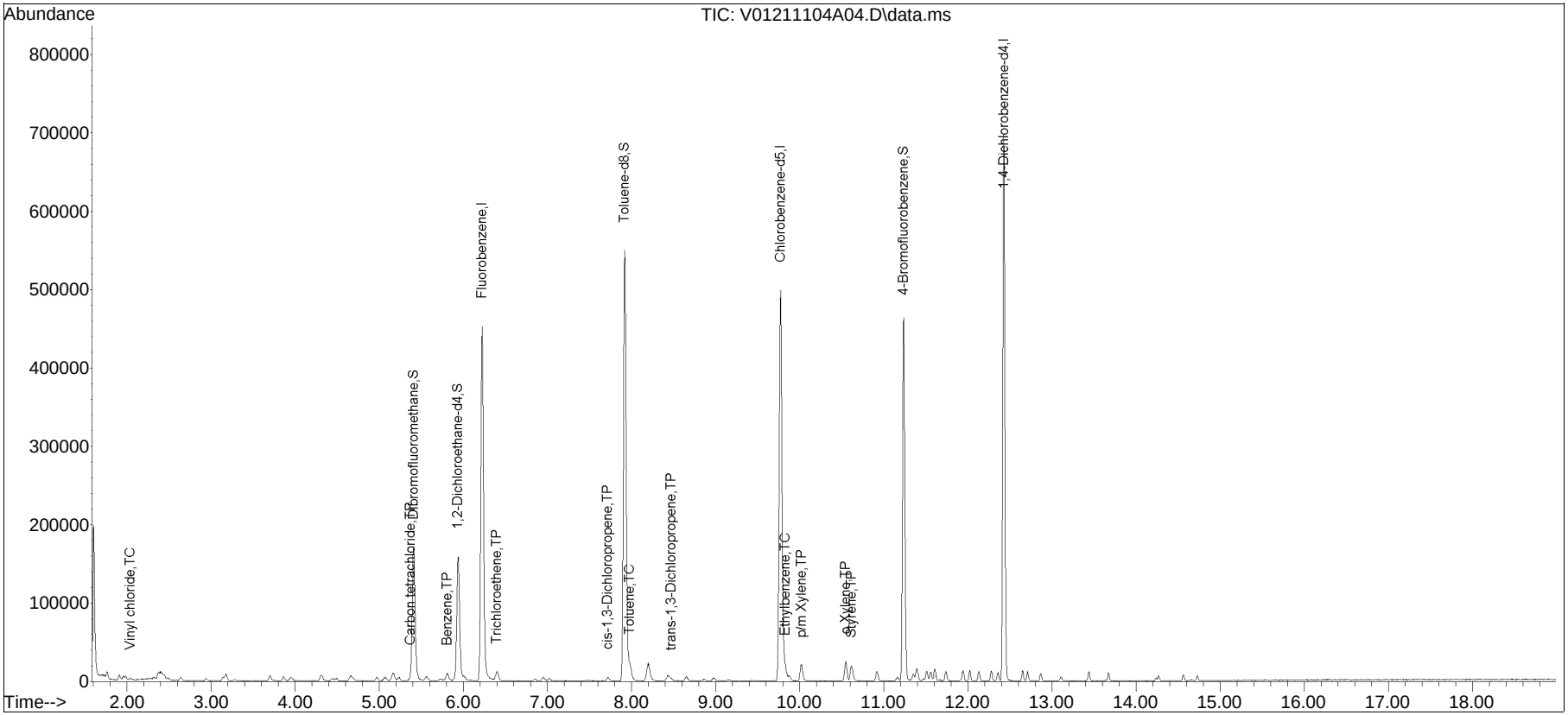
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A04.D
Acq On : 4 Nov 2021 10:22 am
Operator : VOA101:NLK
Sample : I8260STD0.19PPB
Misc : WG1567338
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 13:36:52 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

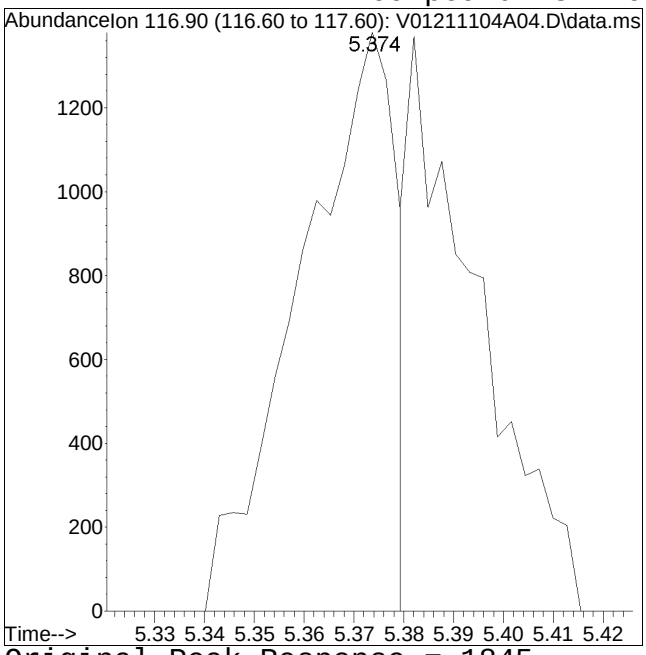
Sub List : 8260-L11 - Level 11 for 8260-LRR productL\V01211104A09.D•

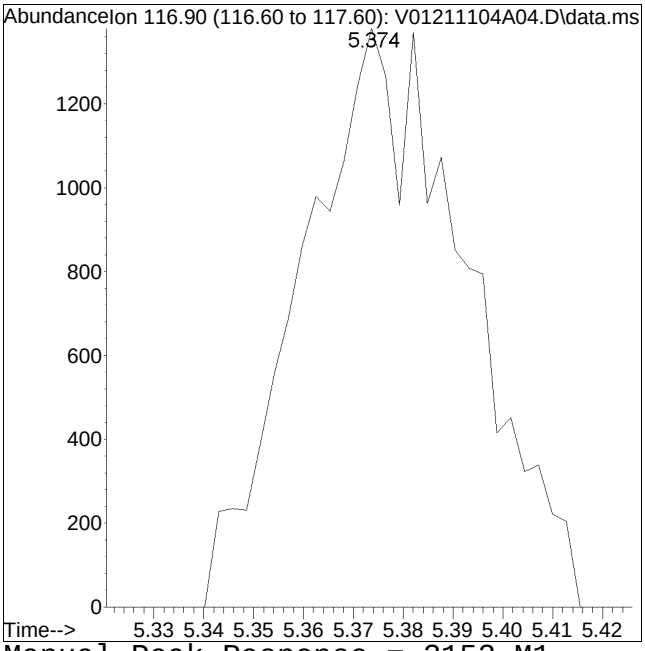


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A04.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 10:22 am Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 11/4/2021 1:34 pm

Compound #34: Carbon tetrachloride





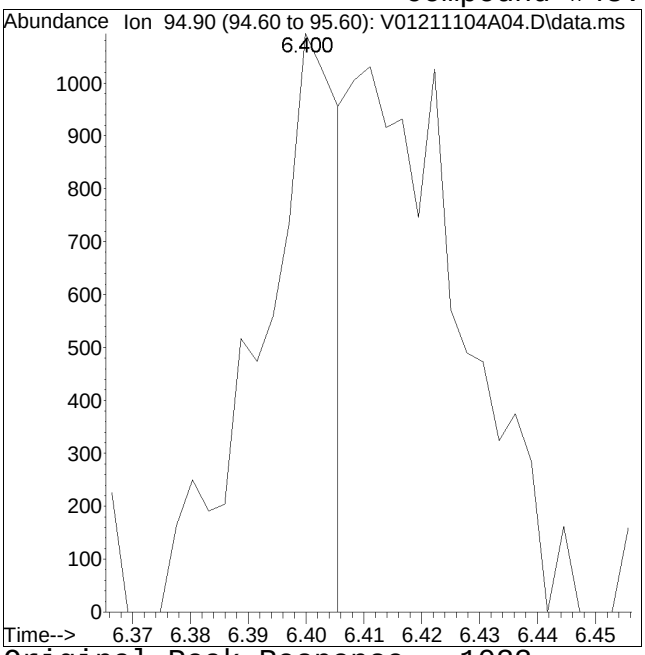
Original Peak Response = 1845 Manual Peak Response = 3152 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

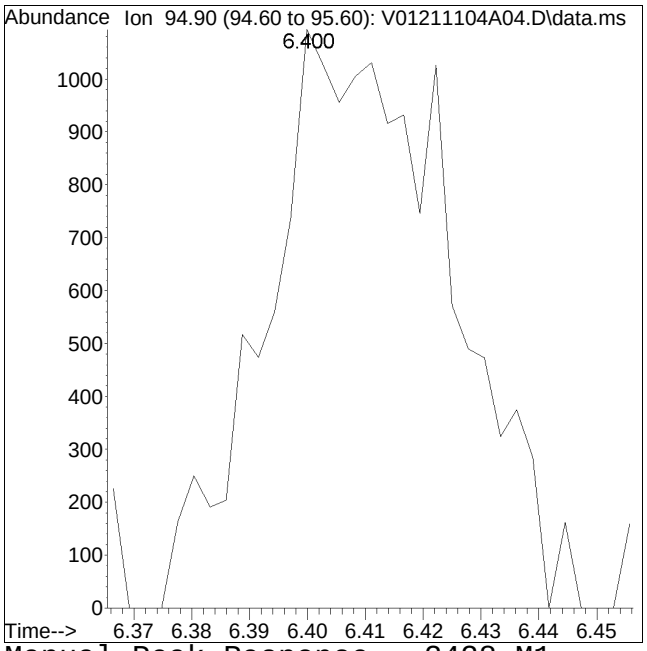
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A04.D
Date Inj'd : 11/4/2021 10:22 am
Sample : I8260STD0.19PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 1:34 pm

Compound #48: Trichloroethene



Original Peak Response = 1033



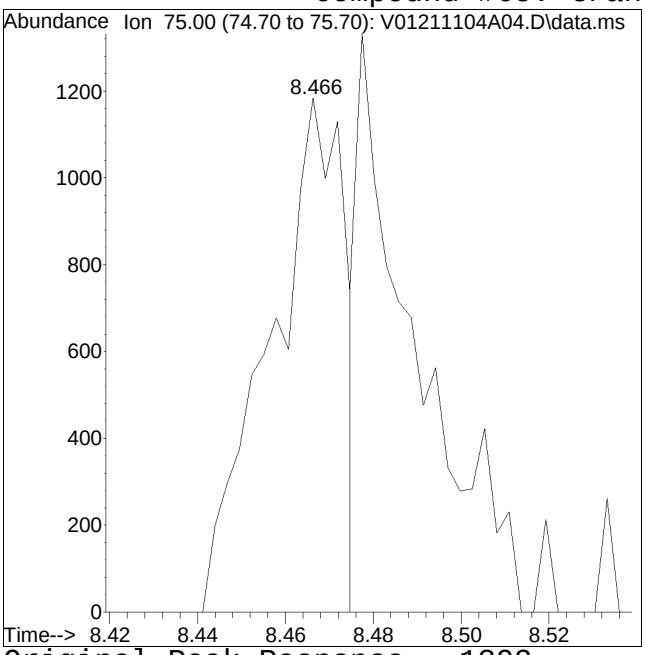
Manual Peak Response = 2428 M1

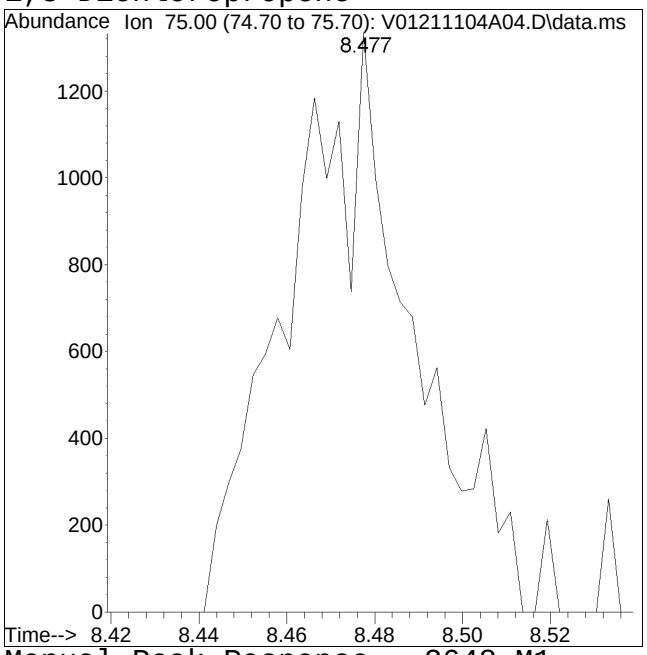
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A04.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 10:22 am Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 11/4/2021 1:34 pm

Compound #65: trans-1,3-Dichloropropene





Original Peak Response = 1392 Manual Peak Response = 2648 M1

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A06.D
Acq On : 4 Nov 2021 11:08 am
Operator : VOA101:NLK
Sample : I8260STD0.5PPB
Misc : WG1567338
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 21:07:39 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.227	96	467552	10.000 ug/L	0.00
Standard Area 1 = 458543			Recovery = 101.96%		
59) Chlorobenzene-d5	9.774	117	356718	10.000 ug/L	0.00
Standard Area 1 = 355002			Recovery = 100.48%		
79) 1,4-Dichlorobenzene-d4	12.432	152	181687	10.000 ug/L	0.00
Standard Area 1 = 185896			Recovery = 97.74%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.416	113	117549	9.816 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.16%		
43) 1,2-Dichloroethane-d4	5.940	65	132003	9.890 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.90%		
60) Toluene-d8	7.920	98	450005	10.207 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.07%		
83) 4-Bromofluorobenzene	11.238	95	171731	10.372 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.72%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.763	85	4941	0.397 ug/L	98
3) Chloromethane	1.963	50	7237	0.537 ug/L	95
4) Vinyl chloride	2.041	62	5636	0.440 ug/L	71
5) Bromomethane	2.370	94	4853	0.512 ug/L	96
6) Chloroethane	2.496	64	3747	0.441 ug/L	94
7) Trichlorofluoromethane	2.644	101	7693	0.409 ug/L	95
8) Ethyl ether	2.942	74	2603	0.516 ug/L	96
10) 1,1-Dichloroethene	3.146	96	4432	0.422 ug/L #	87
11) Carbon disulfide	3.179	76	13895	0.469 ug/L	97
12) Freon-113	3.188	101	5020	0.440 ug/L #	75
13) Iodomethane	3.282	142	4805	0.346 ug/L	97
14) Acrolein	3.464	56	183	0.190 ug/L	92
15) Methylene chloride	3.703	84	6559	0.561 ug/L	98
16) Isopropyl alcohol	3.617	45	869M1	4.563 ug/L	
17) Acetone	3.751	43	2334	0.939 ug/L #	55
18) trans-1,2-Dichloroethene	3.865	96	5502	0.475 ug/L	95
19) Methyl acetate	3.860	43	2253M1	0.511 ug/L	
20) Methyl tert-butyl ether	3.949	73	12516	0.504 ug/L	91
21) tert-Butyl alcohol	4.041	59	920M1	2.606 ug/L	
22) Diisopropyl ether	4.317	45	17637	0.491 ug/L #	75
23) 1,1-Dichloroethane	4.454	63	10361M1	0.470 ug/L	

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A06.D
Acq On : 4 Nov 2021 11:08 am
Operator : VOA101:NLK
Sample : I8260STD0.5PPB
Misc : WG1567338
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 21:07:39 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.501	117	3892	0.436	ug/L	#	78
25) Acrylonitrile	4.509	53	746M1	0.339	ug/L		
26) Ethyl tert-butyl ether	4.660	59	16535	0.500	ug/L	#	64
27) Vinyl acetate	4.688	43	9072M1	0.467	ug/L		
28) cis-1,2-Dichloroethene	4.972	96	6260	0.491	ug/L	#	88
29) 2,2-Dichloropropane	5.070	77	8211	0.460	ug/L	#	73
30) Bromochloromethane	5.162	128	2807M1	0.512	ug/L		
31) Cyclohexane	5.176	56	8654	0.421	ug/L		98
32) Chloroform	5.237	83	10357	0.487	ug/L		97
33) Ethyl acetate	5.343	43	2779	0.427	ug/L	#	71
34) Carbon tetrachloride	5.377	117	7561	0.432	ug/L	#	91
35) Tetrahydrofuran	5.393	42	1202M1	0.676	ug/L		
37) 1,1,1-Trichloroethane	5.438	97	8784	0.452	ug/L	#	78
38) 2-Butanol	5.399	45	846M1	2.938	ug/L		
39) 2-Butanone	5.538	43	1612M1	0.561	ug/L		
40) 1,1-Dichloropropene	5.563	75	6940	0.433	ug/L	#	78
41) Benzene	5.812	78	22187	0.486	ug/L		97
42) tert-Amyl methyl ether	5.915	73	13633	0.495	ug/L	#	80
44) 1,2-Dichloroethane	6.015	62	7596	0.517	ug/L		72
46) 2-Methyl-2-butanol	6.104	59	1328M1	4.170	ug/L		
47) Methyl cyclohexane	6.403	83	7695	0.394	ug/L		96
48) Trichloroethene	6.408	95	5598	0.437	ug/L	#	80
50) Dibromomethane	6.852	93	2923	0.477	ug/L	#	70
51) 1,2-Dichloropropane	6.949	63	5762M1	0.489	ug/L		
52) 4-penten-2-ol	0.000		0	N.D.	d		
53) 2-Chloroethyl vinyl ether	7.649	63	612	0.422	ug/L	#	59
54) Bromodichloromethane	7.030	83	7671M1	0.472	ug/L		
57) 1,4-Dioxane	7.234	88	3530M1	102.627	ug/L		
58) cis-1,3-Dichloropropene	7.713	75	8085	0.451	ug/L	#	84
61) Toluene	7.981	92	14460	0.505	ug/L		98
62) 4-Methyl-2-pentanone	8.411	58	1126M1	0.480	ug/L		
63) Tetrachloroethene	8.439	166	5629M1	0.448	ug/L		
65) trans-1,3-Dichloropropene	8.472	75	6450M1	0.439	ug/L		
66) 4-Methyl-2-pentanol	8.539	45	3455	3.948	ug/L	#	66
67) Ethyl methacrylate	8.648	69	4812	0.456	ug/L		95
68) 1,1,2-Trichloroethane	8.648	83	3624	0.522	ug/L	#	67
69) Chlorodibromomethane	8.868	129	4952	0.476	ug/L	#	60
70) 1,3-Dichloropropane	8.982	76	7209M1	0.512	ug/L		
71) 1,2-Dibromoethane	9.150	107	3952	0.490	ug/L		97
72) 2-Hexanone	9.437	43	2254M1	0.523	ug/L		

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A06.D
Acq On : 4 Nov 2021 11:08 am
Operator : VOA101:NLK
Sample : I8260STD0.5PPB
Misc : WG1567338
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 21:07:39 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.799	112	15710M1	0.492	ug/L		
74) Ethylbenzene	9.833	91	26245	0.465	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.877	131	5238M1	0.447	ug/L		
76) p/m Xylene	10.025	106	20416	0.919	ug/L		97
77) o Xylene	10.547	106	19557	0.924	ug/L		98
78) Styrene	10.614	104	31596	0.930	ug/L		99
80) Bromoform	10.636	173	2641	0.466	ug/L	#	67
82) Isopropylbenzene	10.918	105	23819	0.458	ug/L		99
84) Bromobenzene	11.358	156	6321	0.519	ug/L		98
85) n-Propylbenzene	11.392	91	27695	0.462	ug/L		100
86) 1,4-Dichlorobutane	11.411	55	7090	0.528	ug/L	#	81
87) 1,1,2,2-Tetrachloroethane	11.475	83	4355	0.534	ug/L		97
88) 4-Ethyltoluene	11.514	105	23124	0.464	ug/L		99
89) 2-Chlorotoluene	11.562	91	17536M4	0.499	ug/L		
90) 1,3,5-Trimethylbenzene	11.606	105	19280	0.468	ug/L		99
91) 1,2,3-Trichloropropane	11.618	75	3813	0.542	ug/L		88
92) trans-1,4-Dichloro-2-b...	11.662	53	1150	0.458	ug/L	#	8
93) 4-Chlorotoluene	11.740	91	17750	0.490	ug/L		100
94) tert-Butylbenzene	11.944	119	16005	0.463	ug/L	#	91
97) 1,2,4-Trimethylbenzene	12.022	105	18584	0.468	ug/L		98
98) sec-Butylbenzene	12.136	105	21306	0.449	ug/L		98
99) p-Isopropyltoluene	12.278	119	18516	0.451	ug/L		99
100) 1,3-Dichlorobenzene	12.357	146	10944	0.494	ug/L		98
101) 1,4-Dichlorobenzene	12.446	146	11622M3	0.518	ug/L		
102) p-Diethylbenzene	12.652	119	10380	0.449	ug/L		98
103) n-Butylbenzene	12.711	91	14957	0.462	ug/L		96
104) 1,2-Dichlorobenzene	12.870	146	10049	0.512	ug/L		96
105) 1,2,4,5-Tetramethylben...	13.441	119	15445	0.481	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.637	155	409	0.392	ug/L		97
107) 1,3,5-Trichlorobenzene	13.673	180	5621	0.505	ug/L		95
108) Hexachlorobutadiene	14.242	225	1909	0.515	ug/L	#	77
109) 1,2,4-Trichlorobenzene	14.272	180	4957	0.546	ug/L		99
110) Naphthalene	14.565	128	10793	0.566	ug/L		100
111) 1,2,3-Trichlorobenzene	14.732	180	4118	0.591	ug/L	#	92

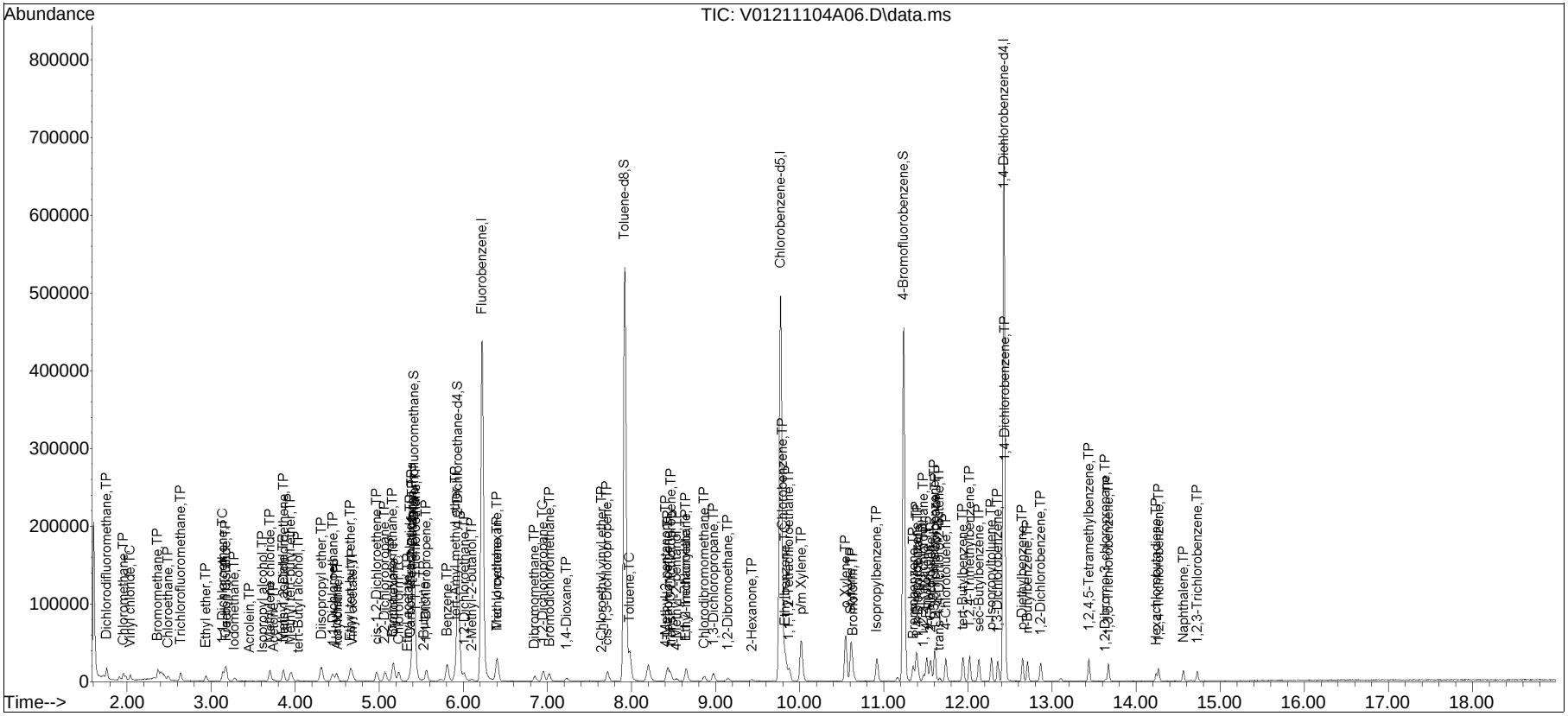
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A06.D
Acq On : 4 Nov 2021 11:08 am
Operator : VOA101:NLK
Sample : I8260STD0.5PPB
Misc : WG1567338
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 21:07:39 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

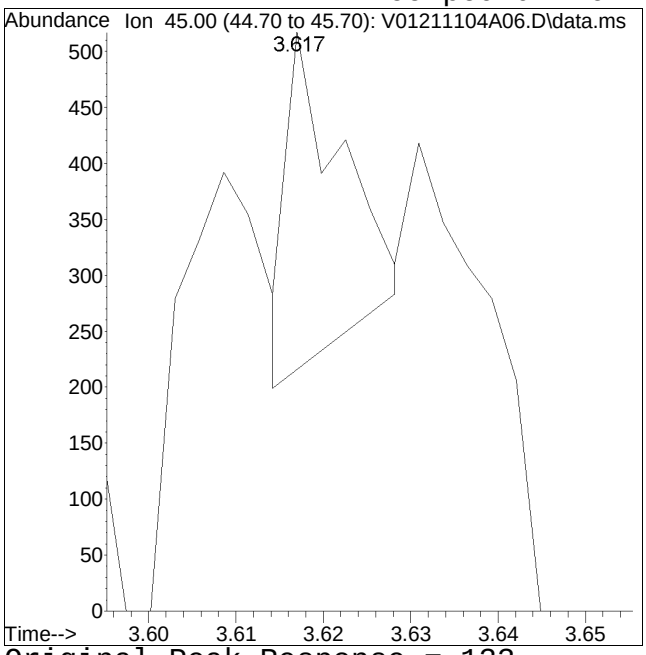
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•



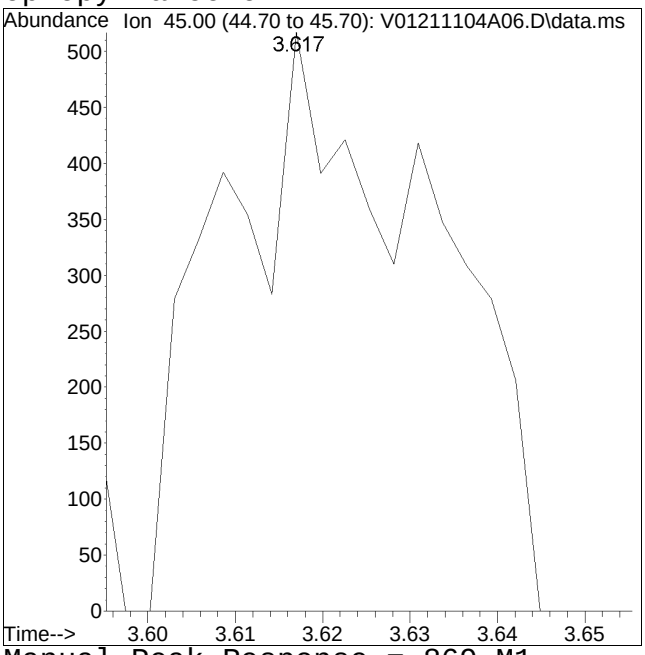
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 133



Manual Peak Response = 869 M1

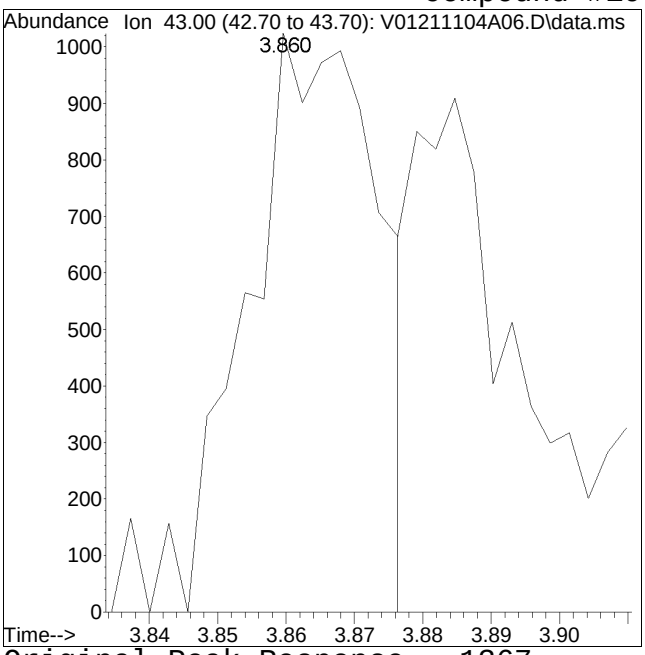
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

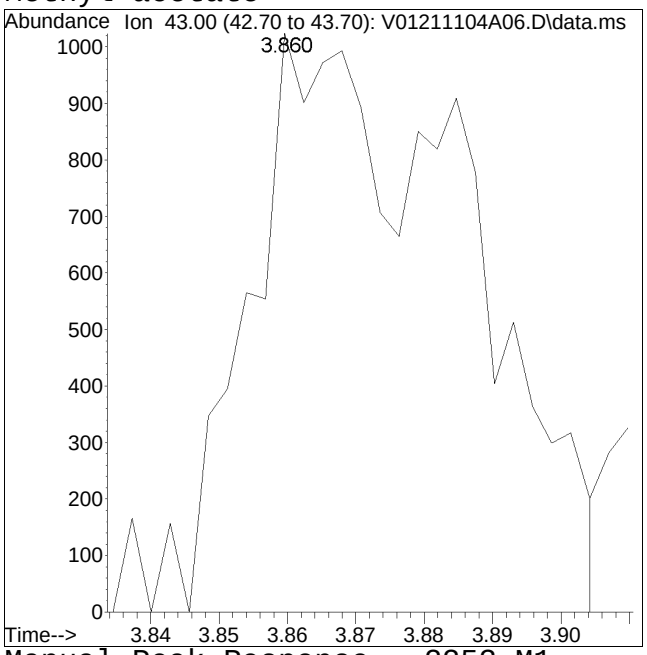
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A06.D
Date Inj'd : 11/4/2021 11:08 am
Sample : I8260STD0.5PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:07 pm

Compound #19: Methyl acetate



Original Peak Response = 1367



Manual Peak Response = 2253 M1

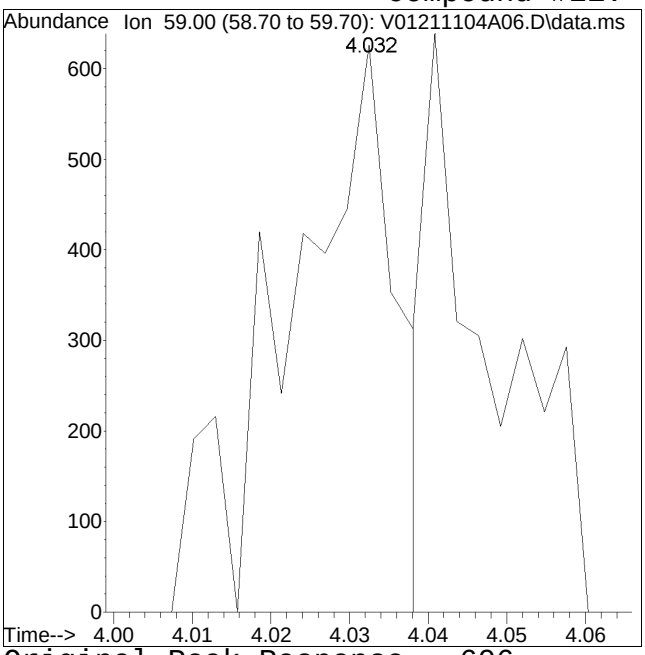
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

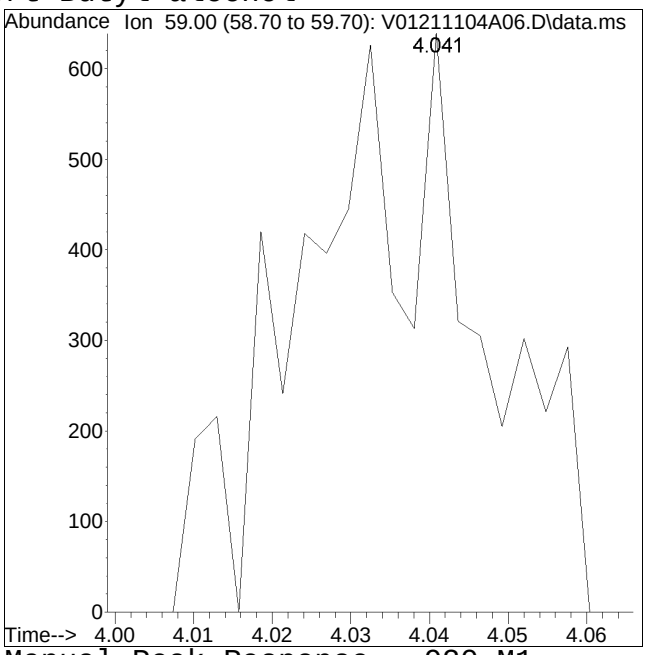
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A06.D
Date Inj'd : 11/4/2021 11:08 am
Sample : I8260STD0.5PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:07 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 606



Manual Peak Response = 920 M1

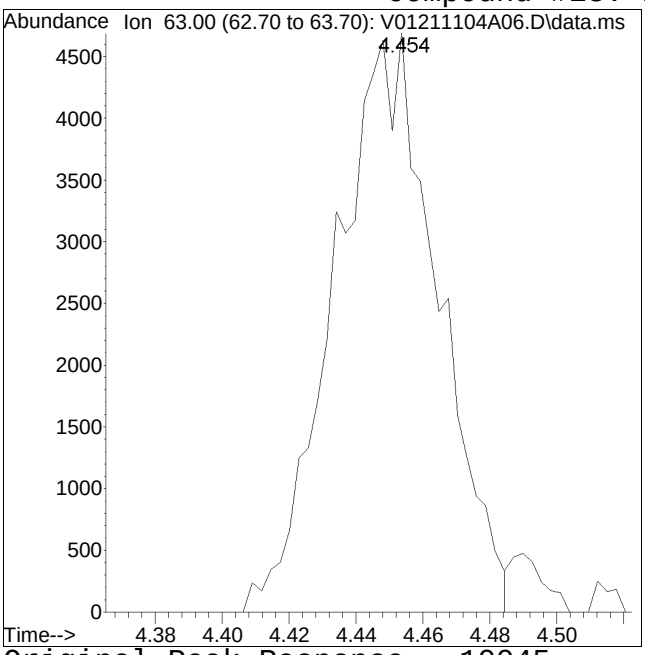
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

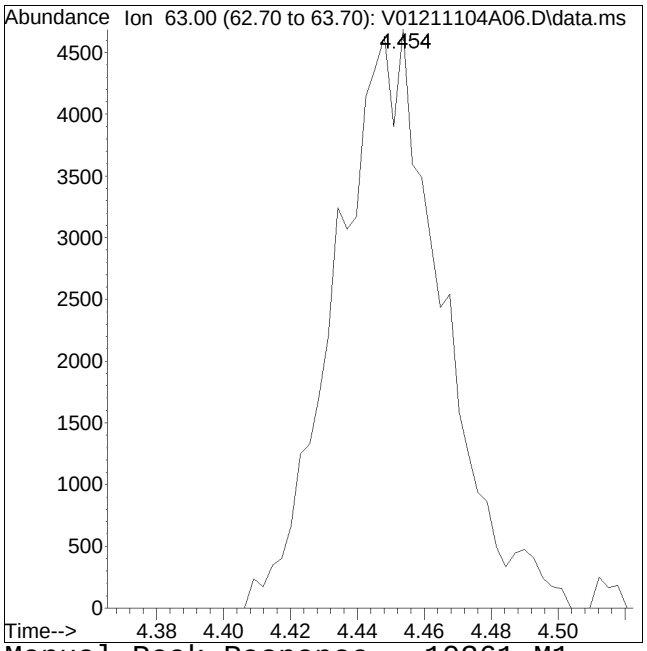
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A06.D
Date Inj'd : 11/4/2021 11:08 am
Sample : I8260STD0.5PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:07 pm

Compound #23: 1,1-Dichloroethane



Original Peak Response = 10045



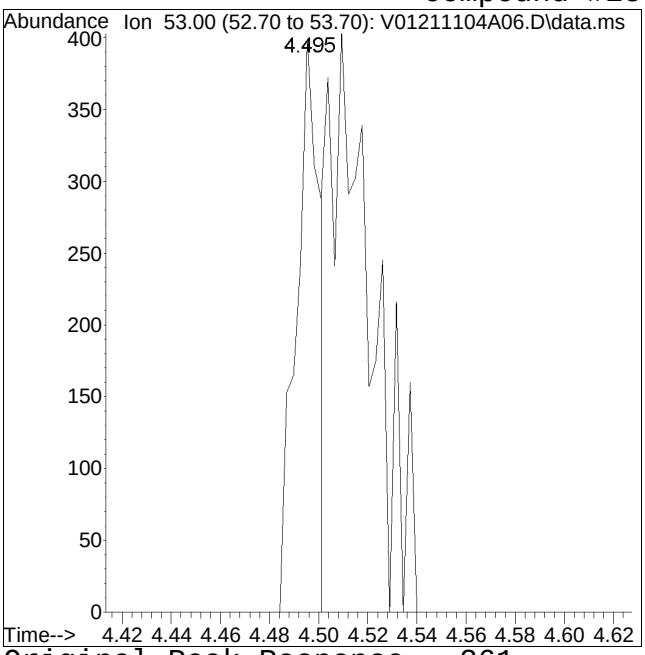
Manual Peak Response = 10361 M1

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

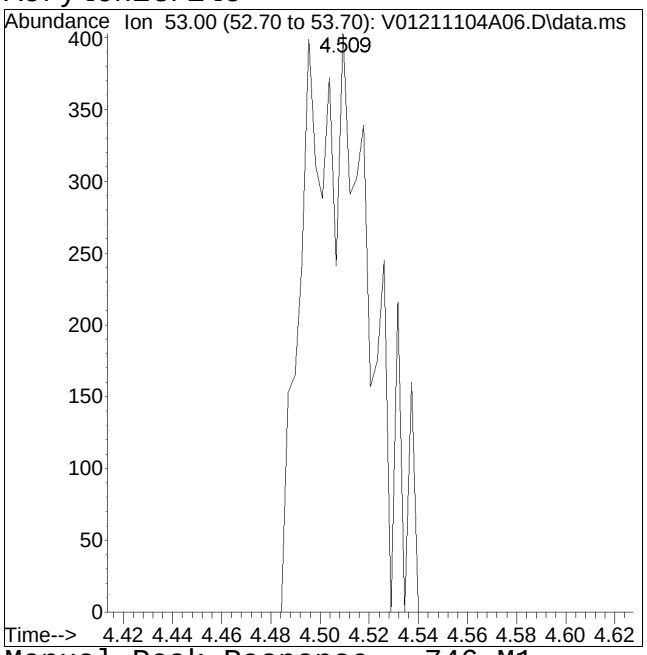
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #25: Acrylonitrile



Original Peak Response = 261



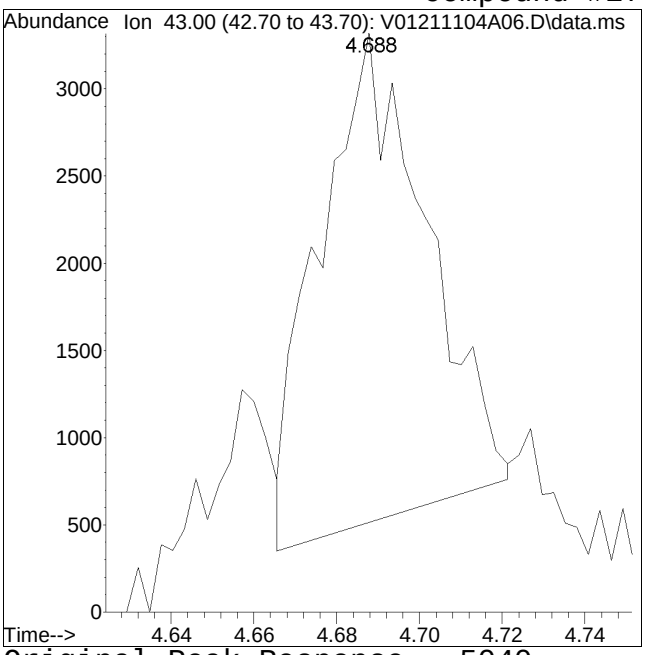
Manual Peak Response = 746 M1

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

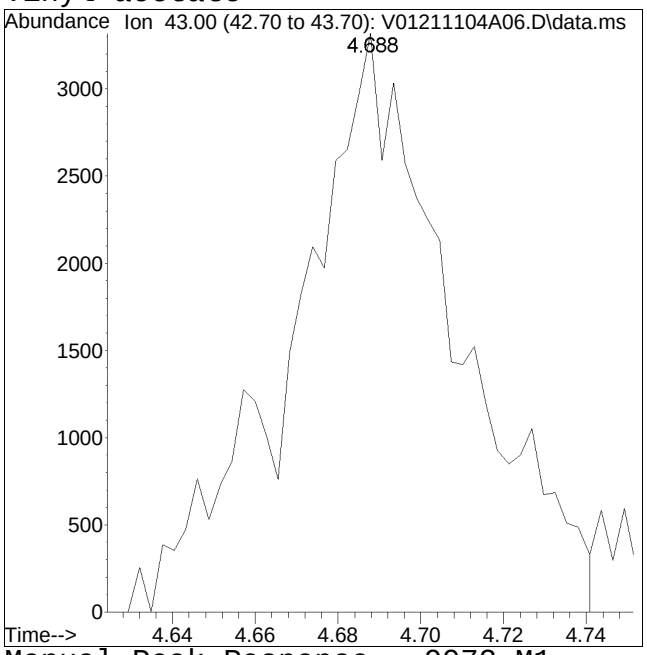
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #27: Vinyl acetate



Original Peak Response = 5040



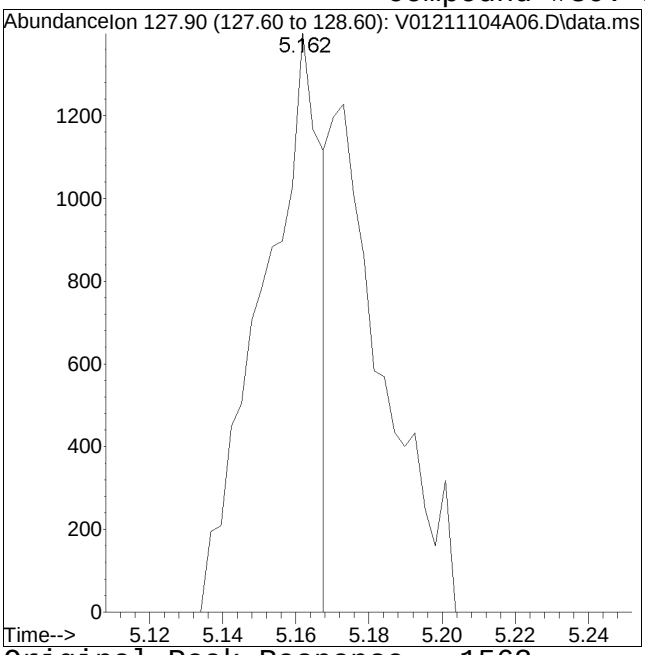
Manual Peak Response = 9072 M1

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

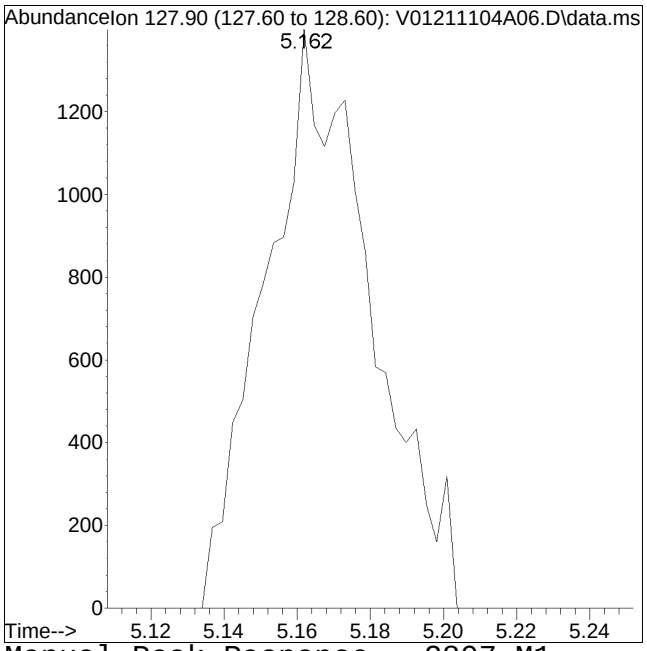
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #30: Bromochloromethane



Original Peak Response = 1563



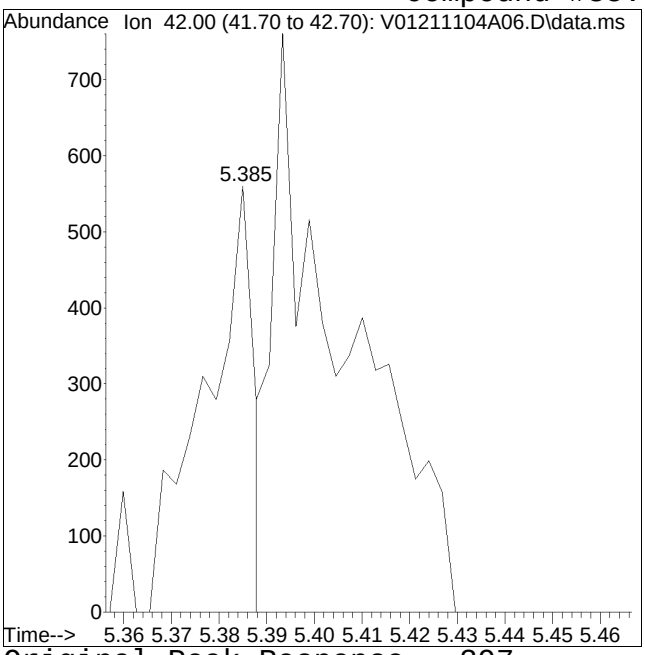
Manual Peak Response = 2807 M1

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

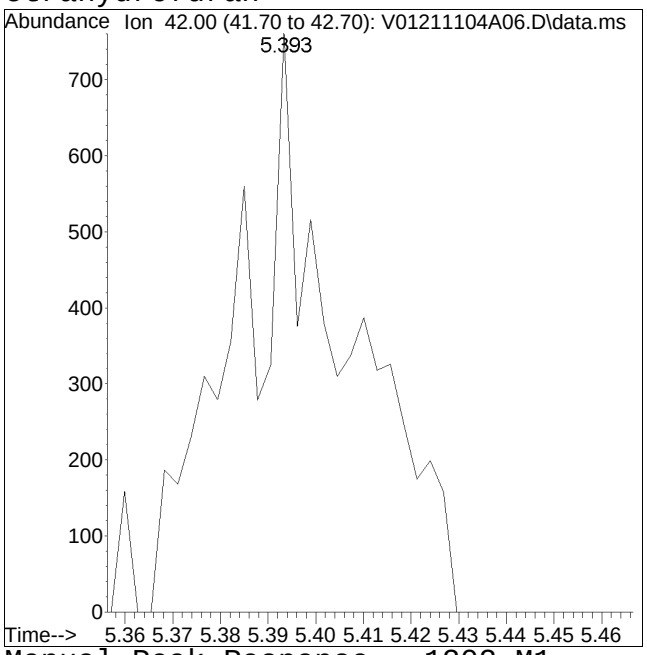
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 397



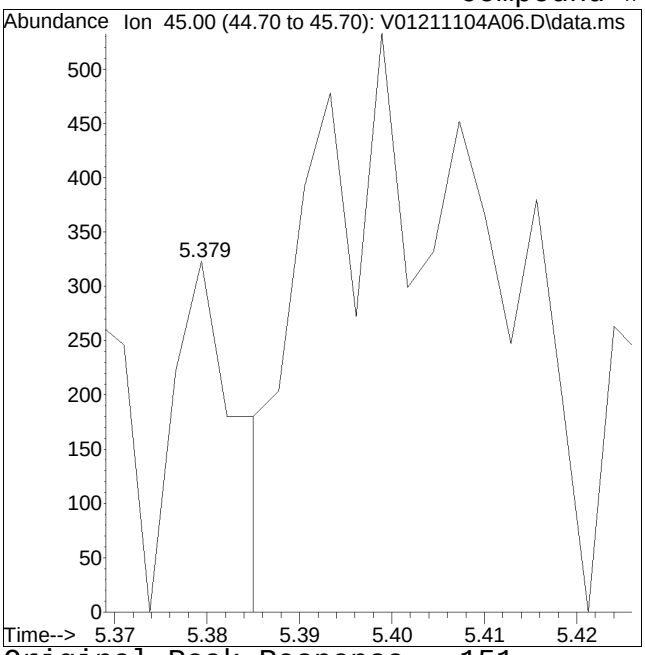
Manual Peak Response = 1202 M1

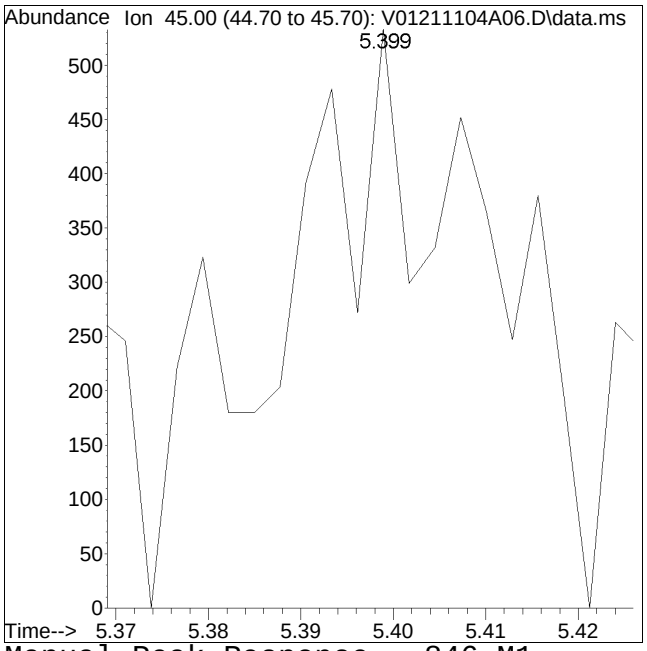
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #38: 2-Butanol



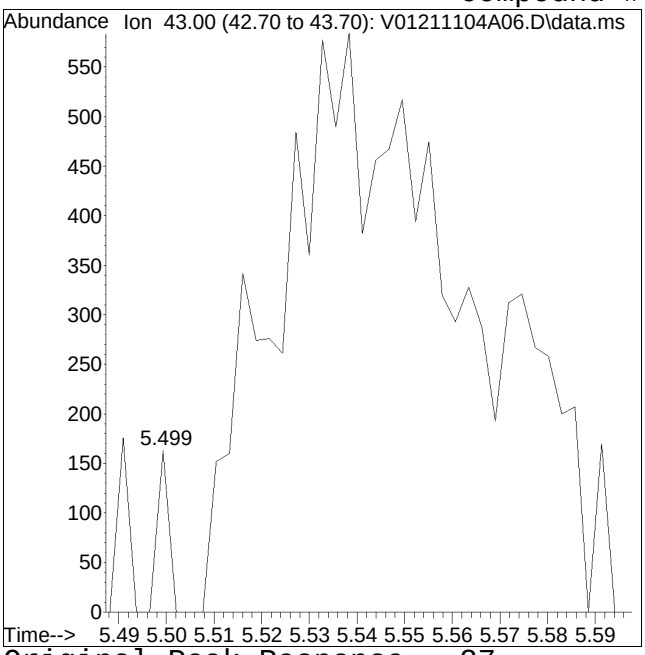


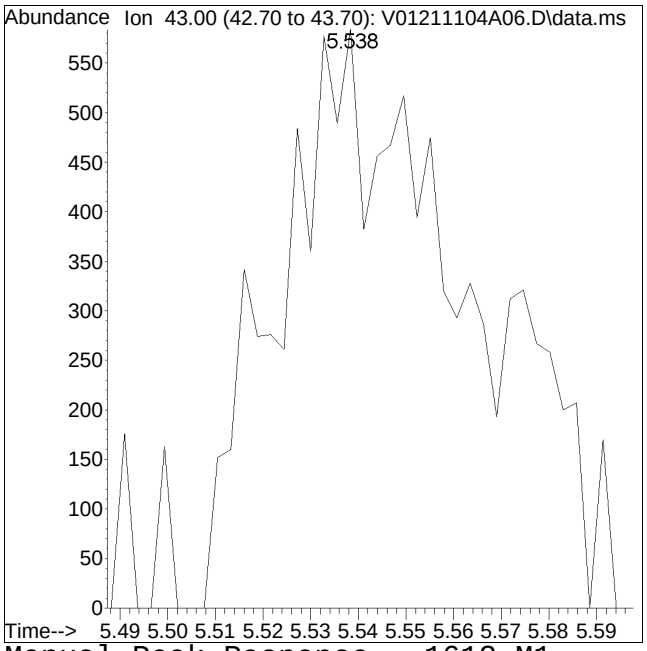
Original Peak Response = 151 Manual Peak Response = 846 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #39: 2-Butanone



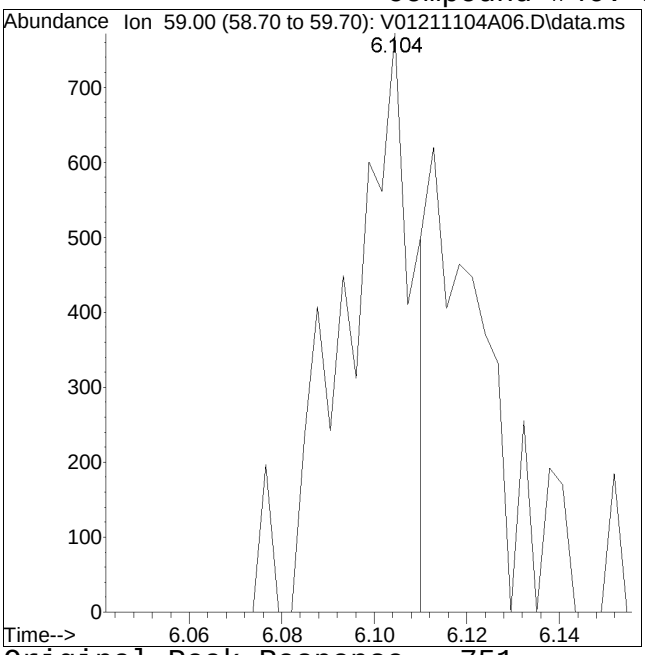


Original Peak Response = 27 Manual Peak Response = 1612 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

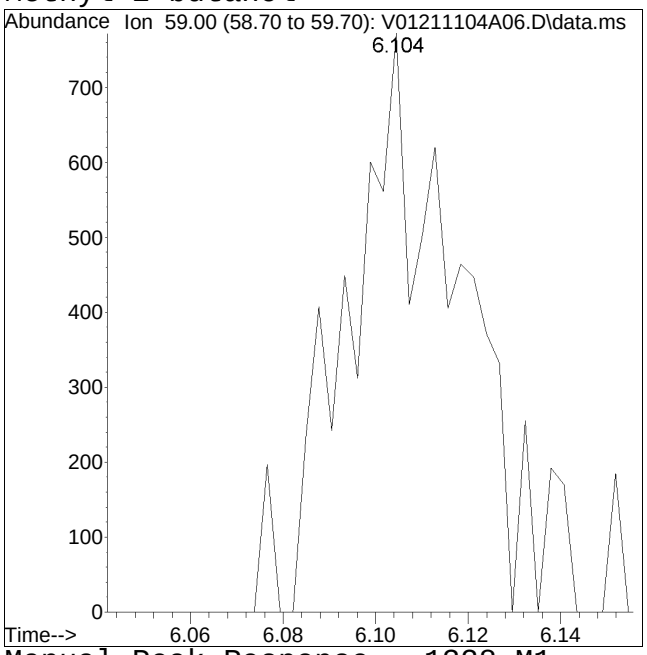
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #46: 2-Methyl-2-butanol



Original Peak Response = 751



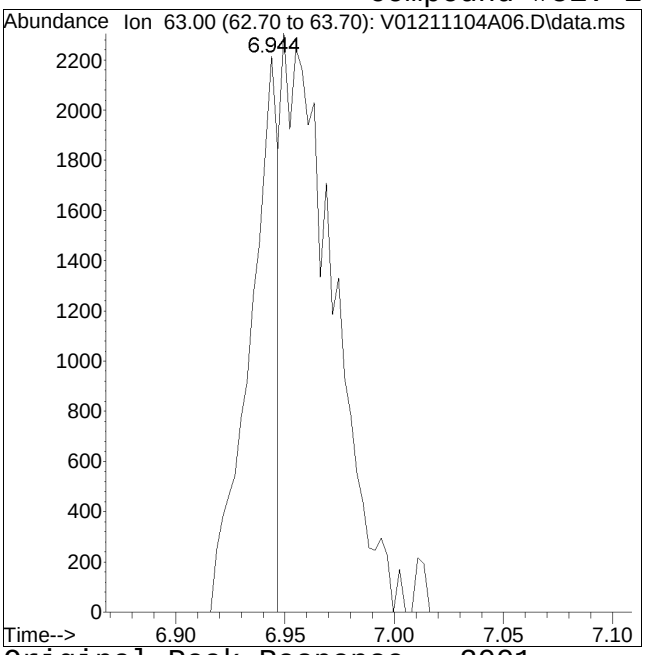
Manual Peak Response = 1328 M1

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

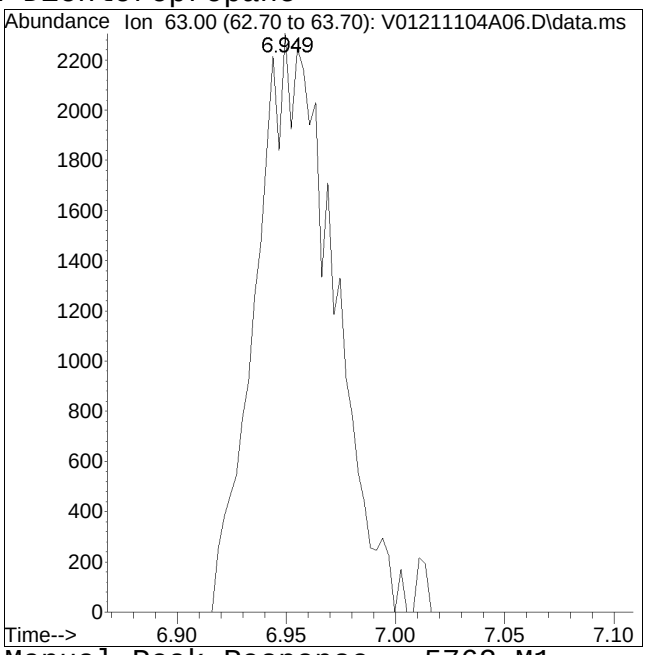
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #51: 1,2-Dichloropropane



Original Peak Response = 2001



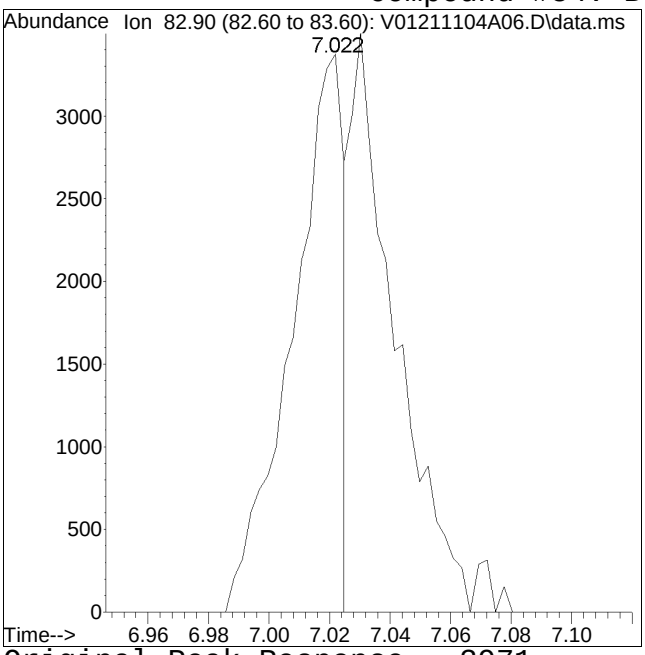
Manual Peak Response = 5762 M1

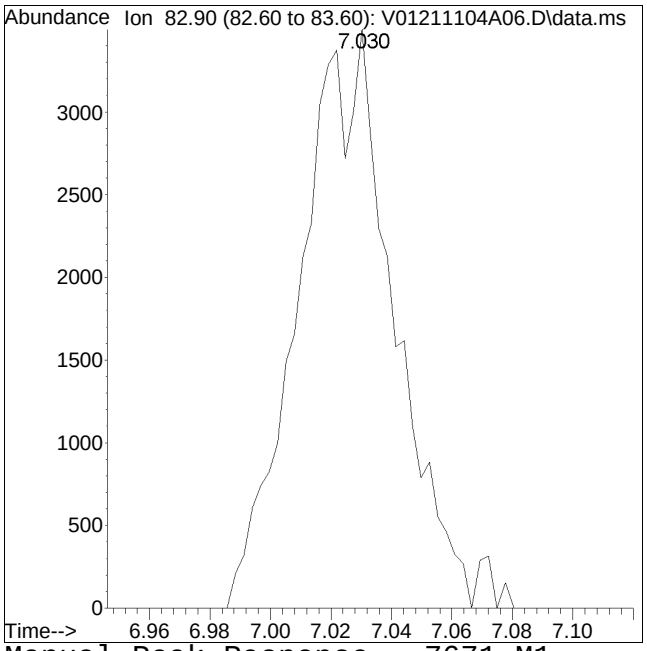
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #54: Bromodichloromethane



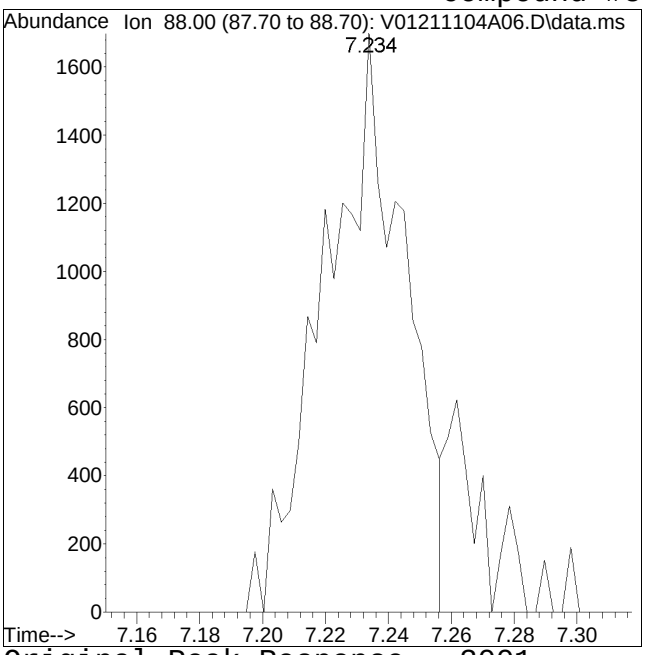


Original Peak Response = 3971 Manual Peak Response = 7671 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

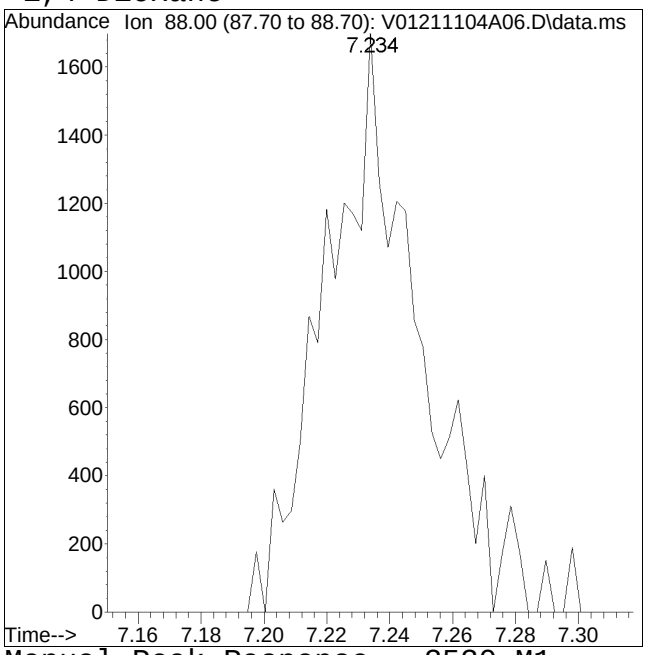
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 3001



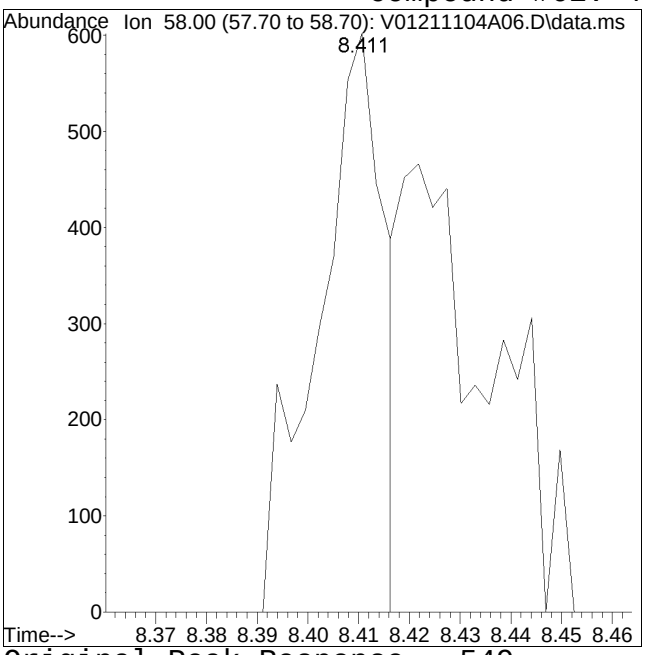
Manual Peak Response = 3530 M1

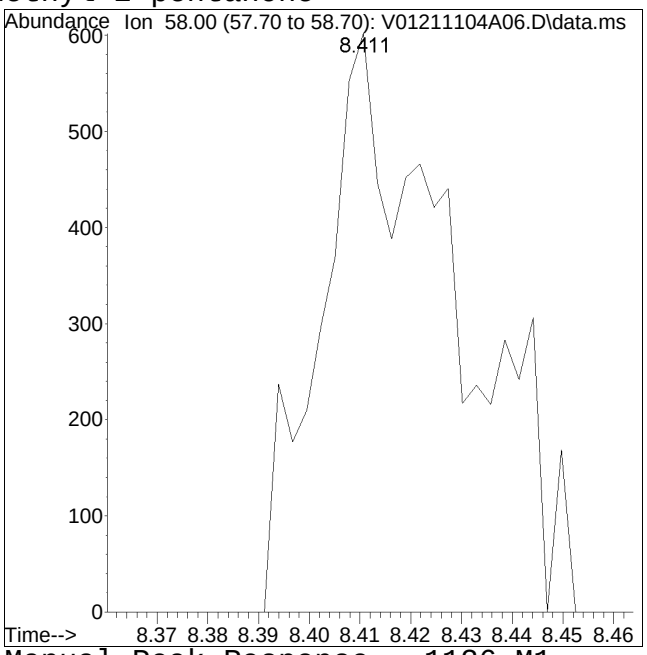
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #62: 4-Methyl-2-pentanone





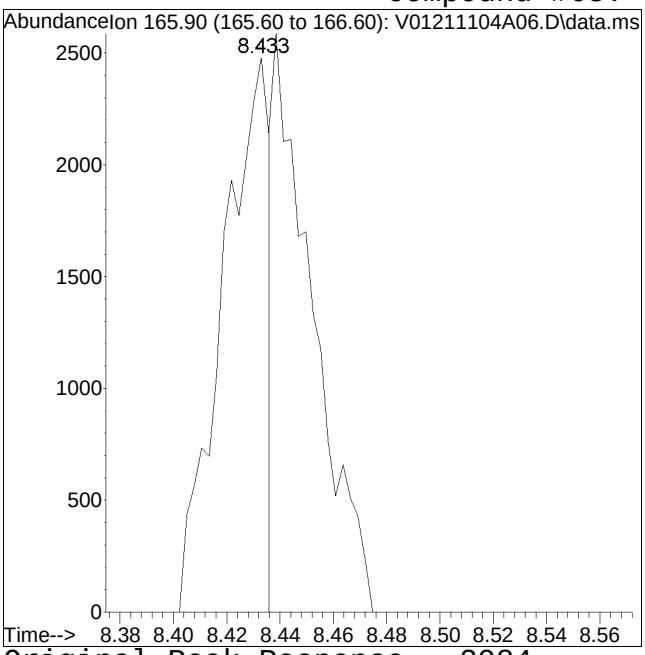
Original Peak Response = 549 Manual Peak Response = 1126 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

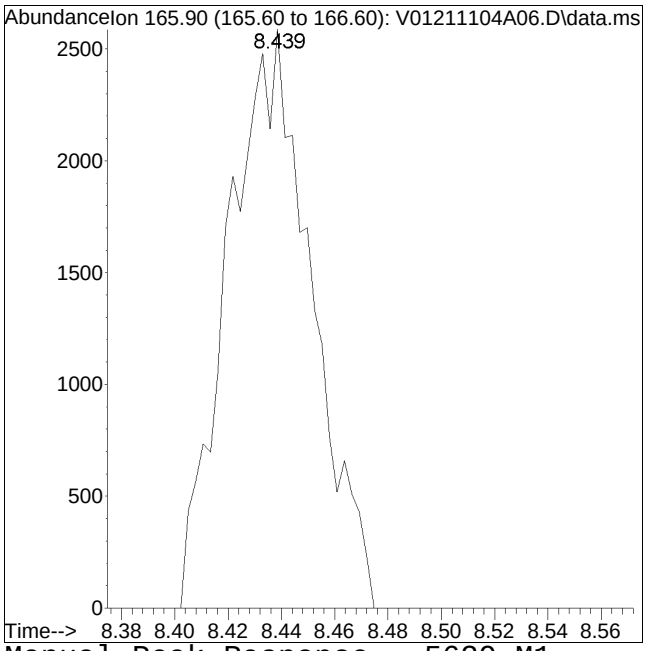
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A06.D
Date Inj'd : 11/4/2021 11:08 am
Sample : I8260STD0.5PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:07 pm

Compound #63: Tetrachloroethene





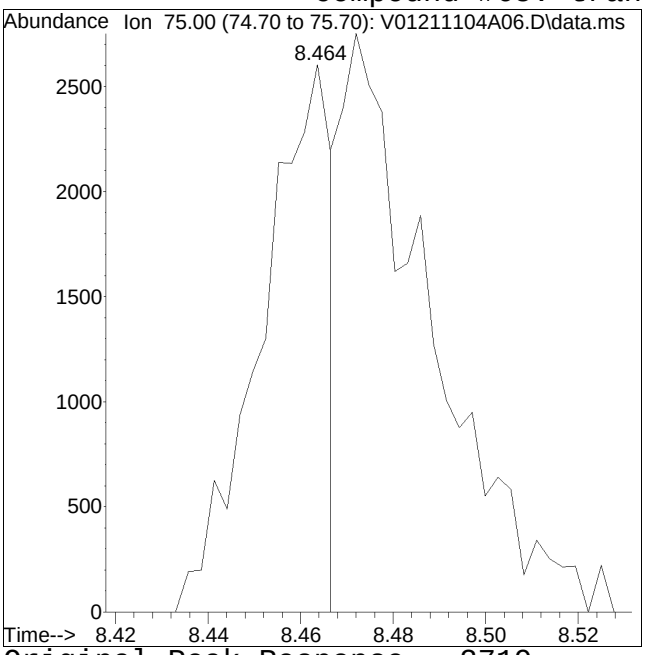
Original Peak Response = 2984 Manual Peak Response = 5629 M1

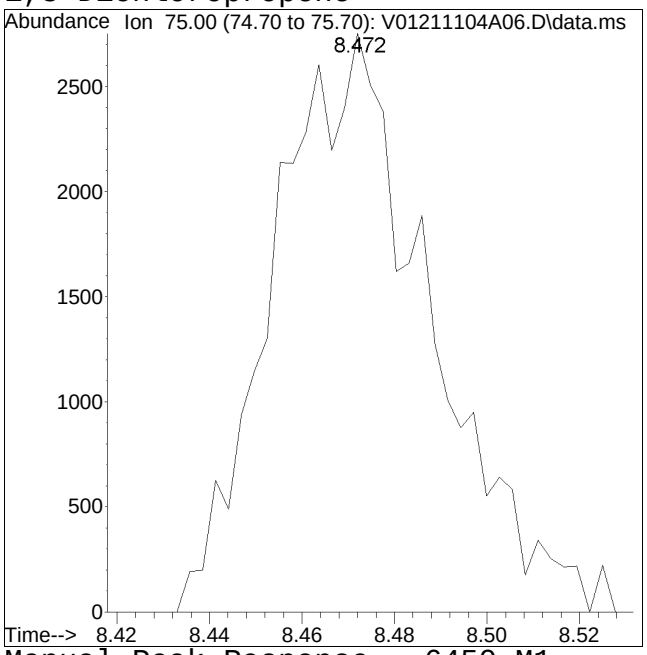
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #65: trans-1,3-Dichloropropene



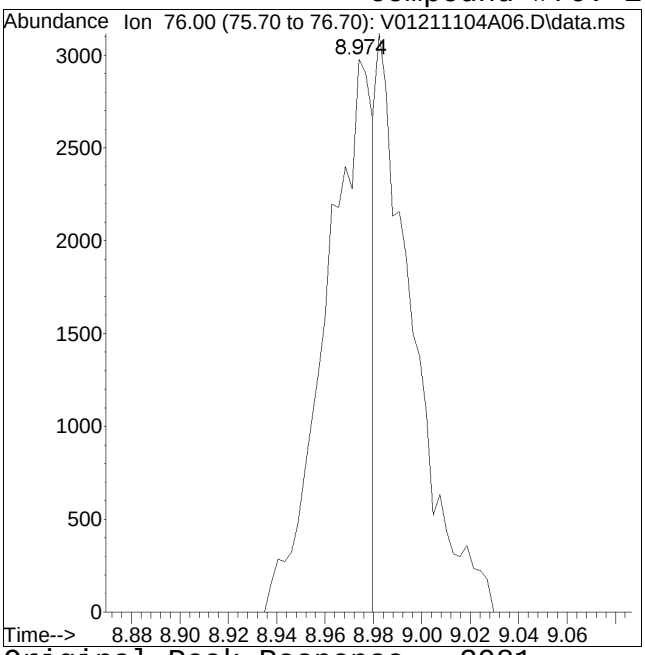


Original Peak Response = 2719 Manual Peak Response = 6450 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

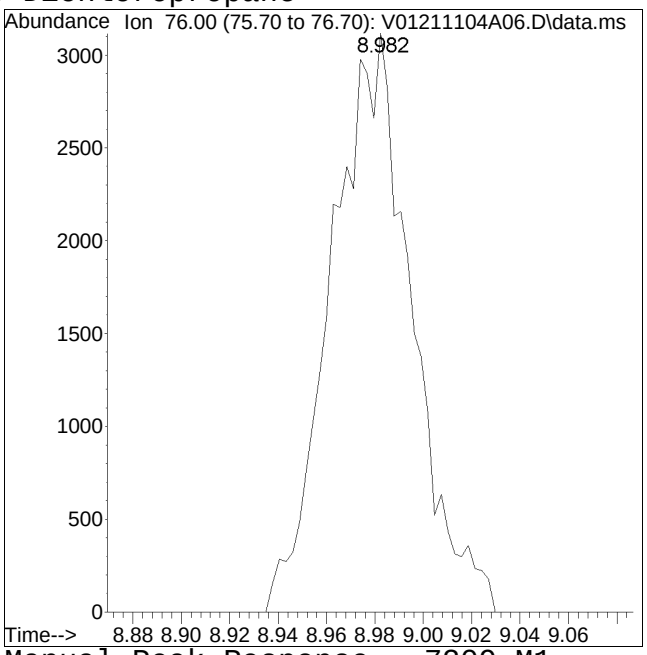
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #70: 1,3-Dichloropropane



Original Peak Response = 3981



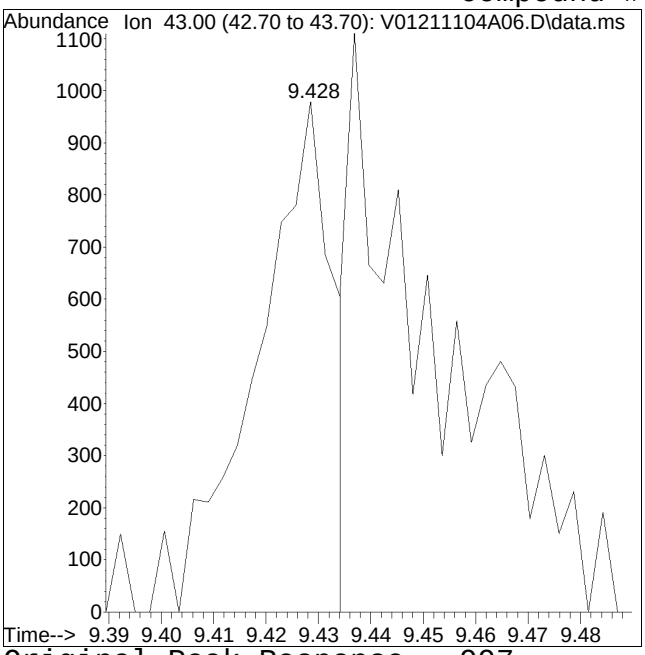
Manual Peak Response = 7209 M1

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

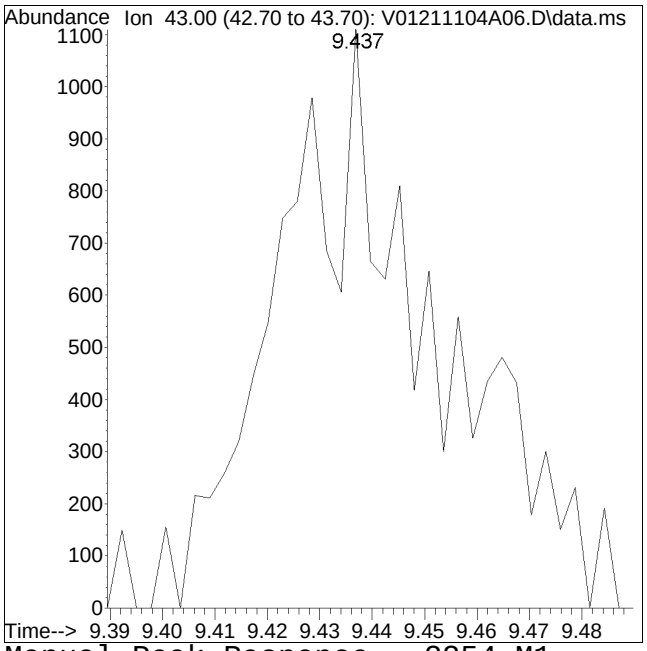
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #72: 2-Hexanone



Original Peak Response = 997



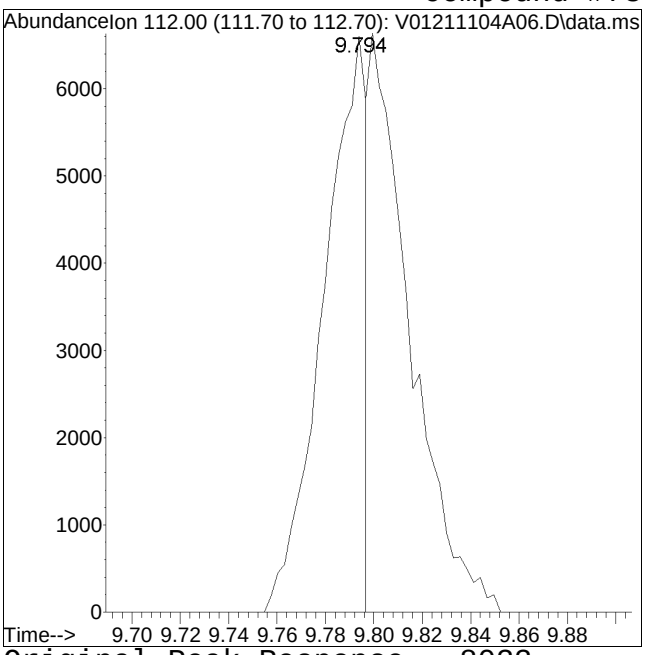
Manual Peak Response = 2254 M1

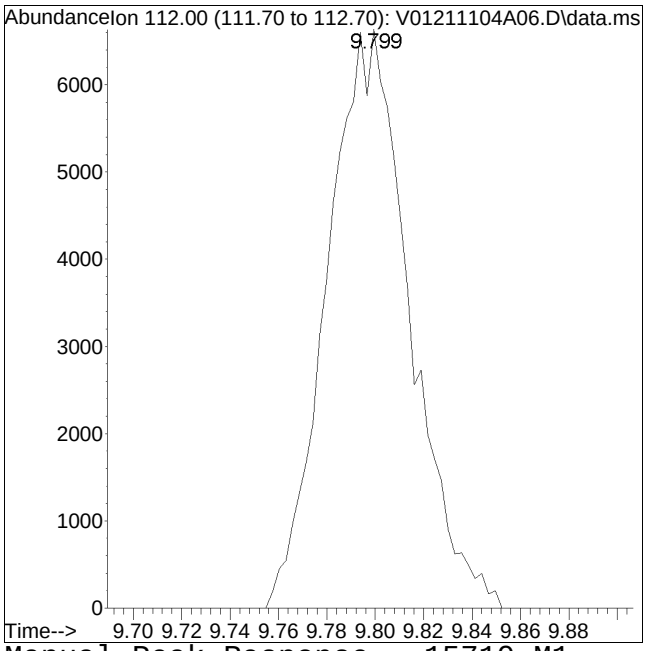
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #73: Chlorobenzene



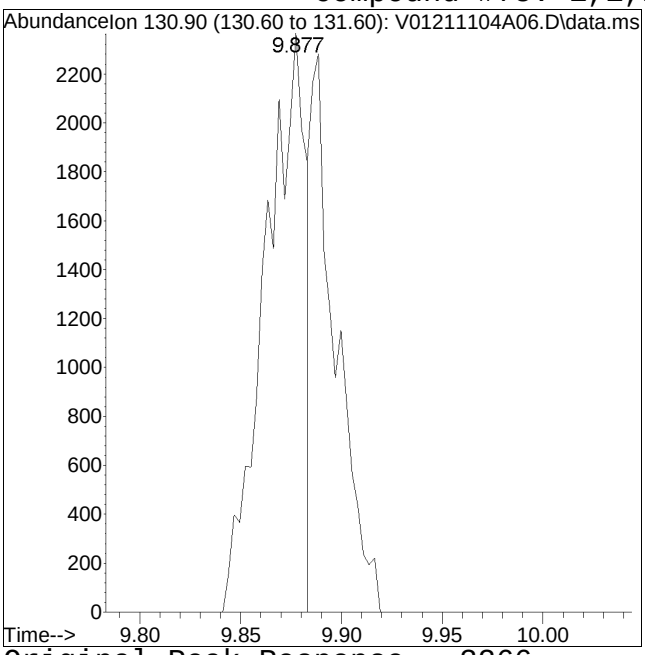


Original Peak Response = 8033 Manual Peak Response = 15710 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

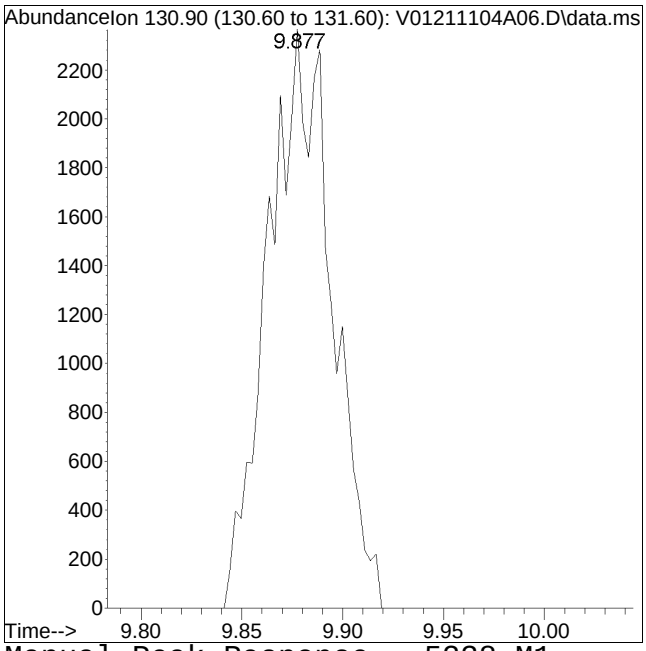
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #75: 1,1,1,2-Tetrachloroethane



Original Peak Response = 3266



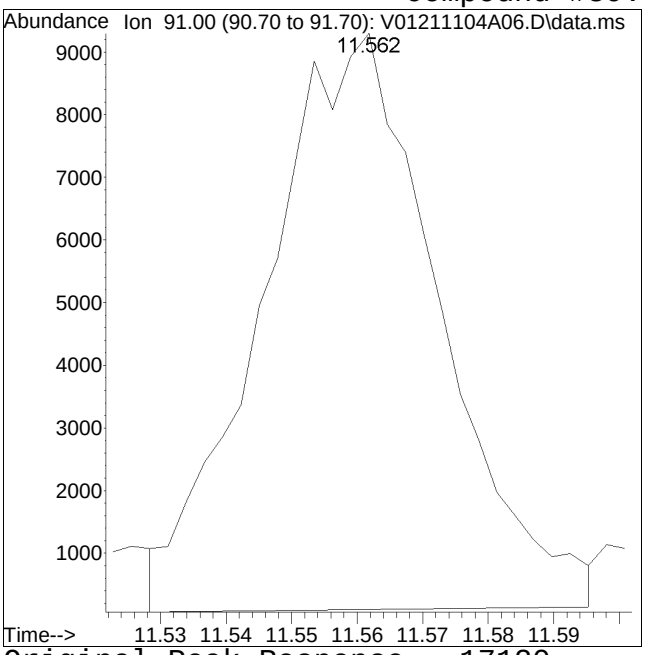
Manual Peak Response = 5238 M1

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

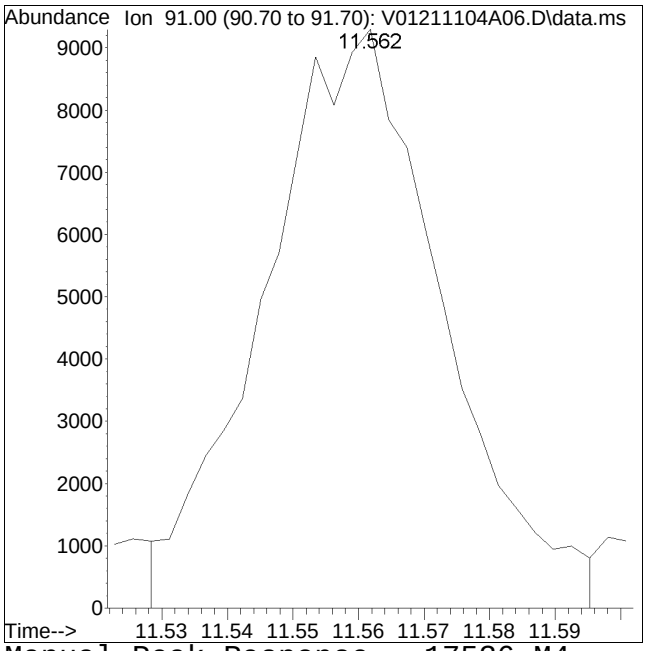
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #89: 2-Chlorotoluene



Original Peak Response = 17120



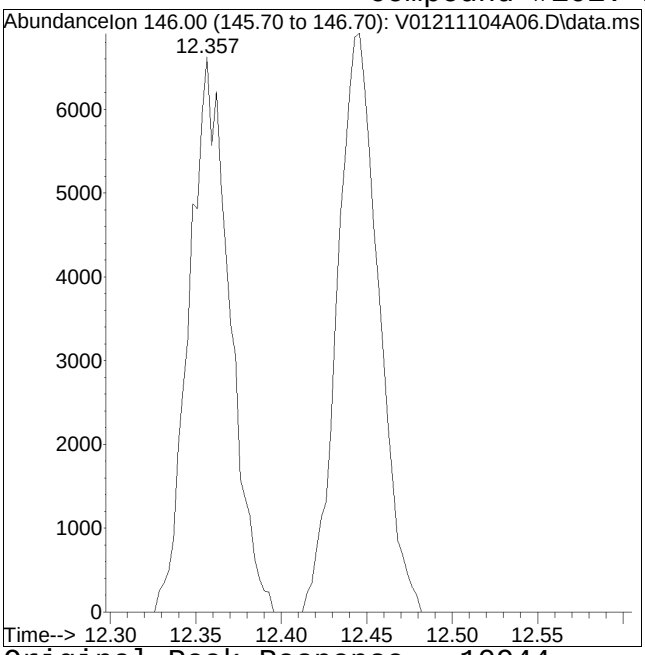
Manual Peak Response = 17536 M4

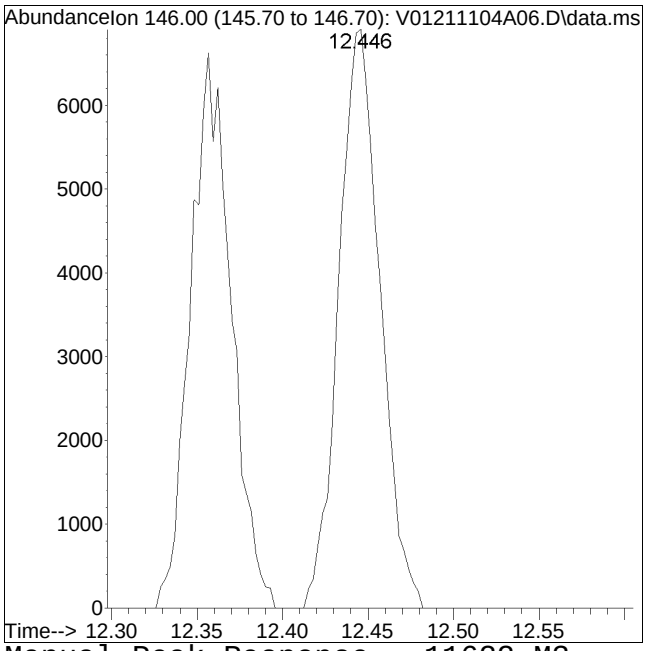
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A06.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:08 am Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 11/4/2021 9:07 pm

Compound #101: 1,4-Dichlorobenzene





Original Peak Response = 10944 Manual Peak Response = 11622 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A08.D
Acq On : 4 Nov 2021 11:54 am
Operator : VOA101:NLK
Sample : I8260STD2PPB
Misc : WG1567338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:42:09 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	509184	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 111.04%			
59) Chlorobenzene-d5	9.774	117	389542	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 109.73%			
79) 1,4-Dichlorobenzene-d4	12.429	152	199329	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 107.23%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.416	113	127059	9.775	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.75%			
43) 1,2-Dichloroethane-d4	5.943	65	140279	9.740	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%			
60) Toluene-d8	7.925	98	487462	9.978	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.78%			
83) 4-Bromofluorobenzene	11.241	95	182525	9.960	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.771	85	16427	1.147	ug/L	100
3) Chloromethane	1.974	50	22762	1.489	ug/L	99
4) Vinyl chloride	2.055	62	18746	1.234	ug/L	93
5) Bromomethane	2.382	94	14374	1.612	ug/L	100
6) Chloroethane	2.504	64	13716	1.397	ug/L	96
7) Trichlorofluoromethane	2.652	101	25820	1.177	ug/L	98
8) Ethyl ether	2.950	74	8174	1.436	ug/L	93
10) 1,1-Dichloroethene	3.151	96	15085	1.225	ug/L	100
11) Carbon disulfide	3.187	76	43660	1.323	ug/L	100
12) Freon-113	3.193	101	15086	1.138	ug/L #	68
13) Iodomethane	3.293	142	19306	1.230	ug/L #	76
14) Acrolein	3.472	56	1373M1	1.310	ug/L	
15) Methylene chloride	3.712	84	20319	1.603	ug/L	99
16) Isopropyl alcohol	3.622	45	3359M1	21.338	ug/L	
17) Acetone	3.759	43	4916M4	1.939	ug/L	
18) trans-1,2-Dichloroethene	3.871	96	18218	1.387	ug/L	96
19) Methyl acetate	3.871	43	7292	1.520	ug/L #	84
20) Methyl tert-butyl ether	3.965	73	41121	1.495	ug/L	98
21) tert-Butyl alcohol	4.035	59	3967M1	13.168	ug/L	
22) Diisopropyl ether	4.322	45	60108	1.513	ug/L #	92
23) 1,1-Dichloroethane	4.453	63	36695	1.471	ug/L	98

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A08.D
Acq On : 4 Nov 2021 11:54 am
Operator : VOA101:NLK
Sample : I8260STD2PPB
Misc : WG1567338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:42:09 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.506	117	13036M1	1.272	ug/L		
25) Acrylonitrile	4.501	53	3131M1	1.337	ug/L		
26) Ethyl tert-butyl ether	4.665	59	53932	1.488	ug/L		92
27) Vinyl acetate	4.688	43	30376	1.351	ug/L	#	88
28) cis-1,2-Dichloroethene	4.981	96	20755	1.452	ug/L		99
29) 2,2-Dichloropropane	5.081	77	27202	1.329	ug/L		95
30) Bromochloromethane	5.170	128	9330	1.510	ug/L		100
31) Cyclohexane	5.178	56	28902	1.222	ug/L		99
32) Chloroform	5.243	83	33345	1.413	ug/L	#	92
33) Ethyl acetate	5.351	43	11410M1	1.555	ug/L		
34) Carbon tetrachloride	5.385	117	24622	1.230	ug/L		99
35) Tetrahydrofuran	5.402	42	2935M3	1.550	ug/L		
37) 1,1,1-Trichloroethane	5.443	97	28397	1.275	ug/L		97
38) 2-Butanol	5.399	45	3926M1	18.495	ug/L		
39) 2-Butanone	5.538	43	5410M1	1.932	ug/L		
40) 1,1-Dichloropropene	5.569	75	23559	1.290	ug/L		97
41) Benzene	5.812	78	73141	1.450	ug/L		99
42) tert-Amyl methyl ether	5.917	73	45648	1.516	ug/L		99
44) 1,2-Dichloroethane	6.010	62	24626	1.532	ug/L		96
46) 2-Methyl-2-butanol	6.102	59	4443M1	15.970	ug/L		
47) Methyl cyclohexane	6.400	83	28141	1.266	ug/L	#	60
48) Trichloroethene	6.411	95	19902	1.405	ug/L		99
50) Dibromomethane	6.854	93	9776	1.420	ug/L	#	71
51) 1,2-Dichloropropane	6.958	63	19655	1.516	ug/L		99
52) 4-penten-2-ol	6.930	45	2078M1	16.661	ug/L		
53) 2-Chloroethyl vinyl ether	7.646	63	2309	1.263	ug/L	#	75
54) Bromodichloromethane	7.027	83	26583	1.500	ug/L		98
57) 1,4-Dioxane	7.231	88	16402M1	430.885	ug/L		
58) cis-1,3-Dichloropropene	7.719	75	28002	1.419	ug/L	#	90
61) Toluene	7.984	92	48082	1.496	ug/L		100
62) 4-Methyl-2-pentanone	8.411	58	3779	1.514	ug/L	#	91
63) Tetrachloroethene	8.433	166	19054	1.326	ug/L		96
65) trans-1,3-Dichloropropene	8.466	75	23224M1	1.441	ug/L		
66) 4-Methyl-2-pentanol	8.536	45	10422M1	14.121	ug/L		
67) Ethyl methacrylate	8.650	69	17005M1	1.477	ug/L		
68) 1,1,2-Trichloroethane	8.659	83	11934M1	1.540	ug/L		
69) Chlorodibromomethane	8.871	129	16317	1.434	ug/L		98
70) 1,3-Dichloropropane	8.974	76	23697	1.498	ug/L		100
71) 1,2-Dibromoethane	9.150	107	13257	1.449	ug/L	#	43
72) 2-Hexanone	9.428	43	6547	1.397	ug/L	#	66

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A08.D
Acq On : 4 Nov 2021 11:54 am
Operator : VOA101:NLK
Sample : I8260STD2PPB
Misc : WG1567338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:42:09 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.802	112	54749	1.556	ug/L		96
74) Ethylbenzene	9.836	91	91849	1.464	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.883	131	19140	1.489	ug/L		99
76) p/m Xylene	10.020	106	69538	2.887	ug/L		98
77) o Xylene	10.547	106	67855	2.967	ug/L		98
78) Styrene	10.614	104	108823	2.905	ug/L		100
80) Bromoform	10.639	173	8811	1.456	ug/L		96
82) Isopropylbenzene	10.920	105	85513	1.461	ug/L		100
84) Bromobenzene	11.350	156	21600	1.604	ug/L		96
85) n-Propylbenzene	11.389	91	95529	1.403	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	22893	1.547	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.470	83	14175	1.540	ug/L		98
88) 4-Ethyltoluene	11.514	105	80201	1.448	ug/L		99
89) 2-Chlorotoluene	11.559	91	59038	1.514	ug/L		98
90) 1,3,5-Trimethylbenzene	11.606	105	66750	1.474	ug/L		99
91) 1,2,3-Trichloropropane	11.615	75	11793M4	1.542	ug/L		
92) trans-1,4-Dichloro-2-b...	11.665	53	3860	1.392	ug/L	#	68
93) 4-Chlorotoluene	11.737	91	61277	1.545	ug/L		98
94) tert-Butylbenzene	11.944	119	55648	1.438	ug/L		99
97) 1,2,4-Trimethylbenzene	12.022	105	65188	1.494	ug/L		99
98) sec-Butylbenzene	12.131	105	76332	1.447	ug/L		99
99) p-Isopropyltoluene	12.281	119	64491	1.430	ug/L		100
100) 1,3-Dichlorobenzene	12.356	146	37488	1.558	ug/L		98
101) 1,4-Dichlorobenzene	12.448	146	38312	1.576	ug/L		94
102) p-Diethylbenzene	12.652	119	36388	1.445	ug/L		98
103) n-Butylbenzene	12.711	91	52608	1.469	ug/L		97
104) 1,2-Dichlorobenzene	12.867	146	33475	1.567	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.441	119	51152	1.476	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.639	155	1708	1.507	ug/L		92
107) 1,3,5-Trichlorobenzene	13.673	180	18612	1.529	ug/L		96
108) Hexachlorobutadiene	14.239	225	6144	1.515	ug/L		96
109) 1,2,4-Trichlorobenzene	14.267	180	15245	1.549	ug/L		97
110) Naphthalene	14.559	128	32102	1.589	ug/L		100
111) 1,2,3-Trichlorobenzene	14.727	180	11969	1.626	ug/L		98

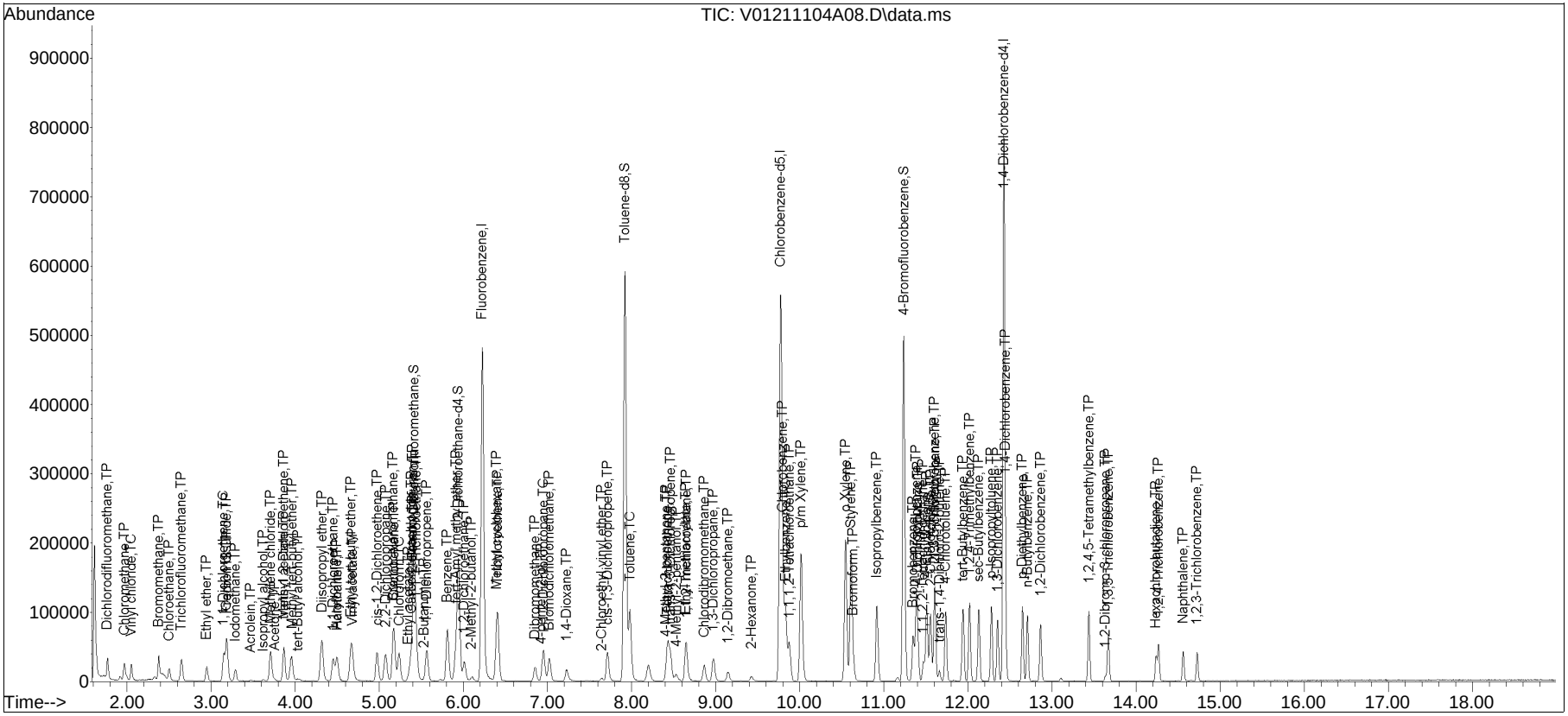
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A08.D
Acq On : 4 Nov 2021 11:54 am
Operator : VOA101:NLK
Sample : I8260STD2PPB
Misc : WG1567338
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 13:42:09 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

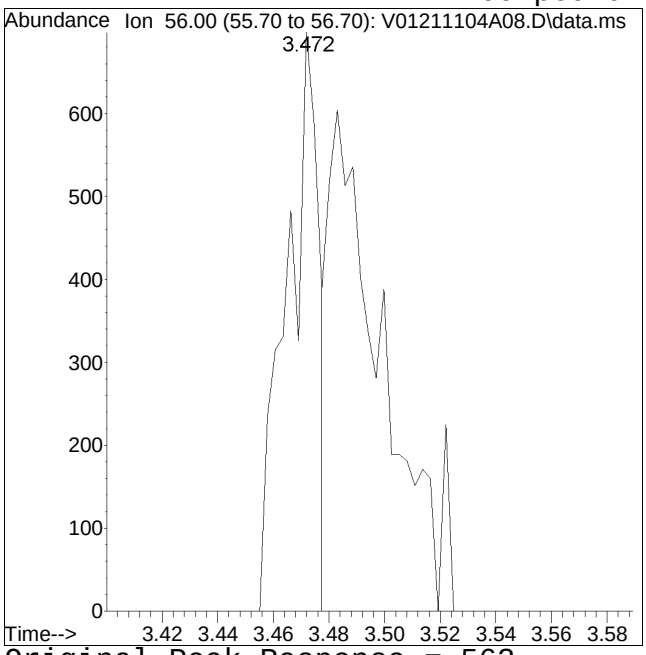
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•



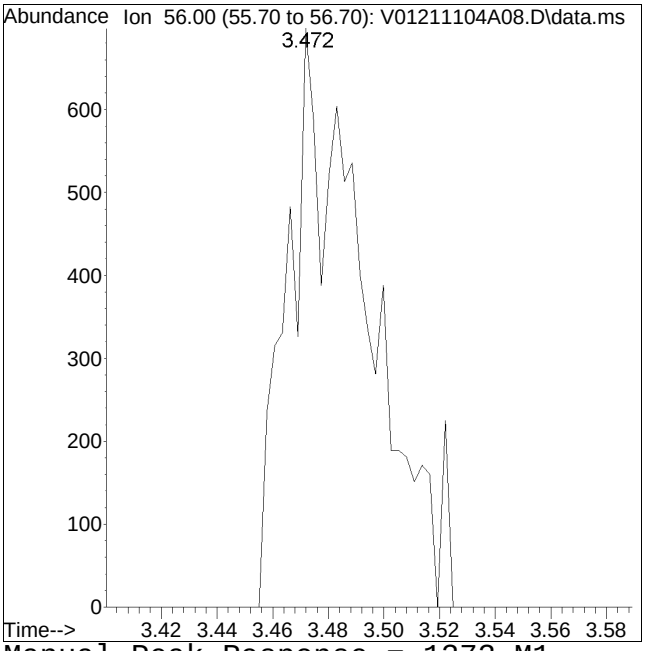
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #14: Acrolein



Original Peak Response = 563



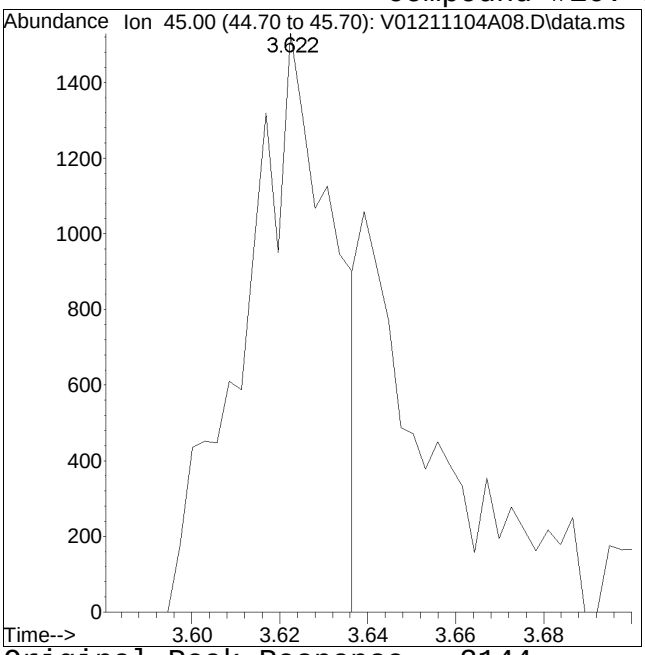
Manual Peak Response = 1373 M1

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

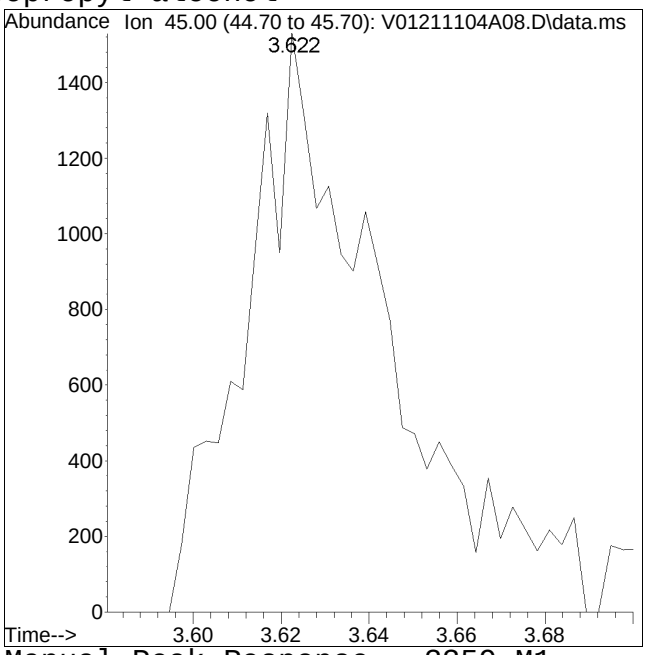
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 2144



Manual Peak Response = 3359 M1

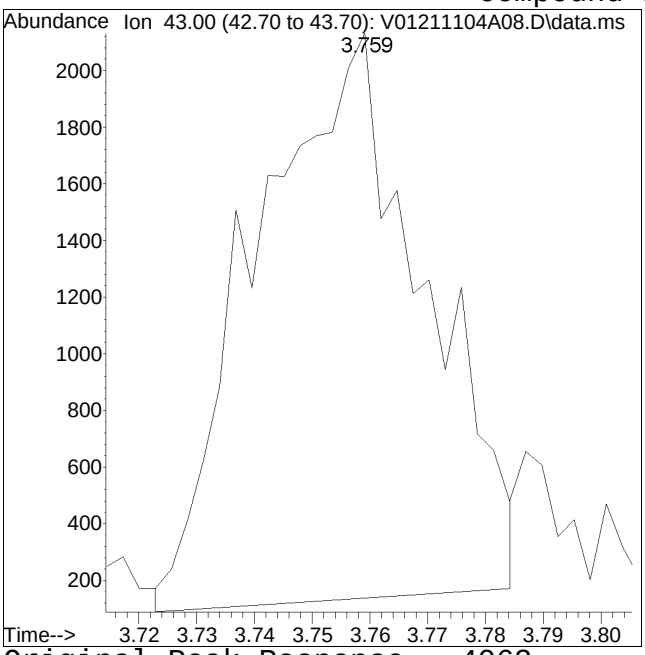
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

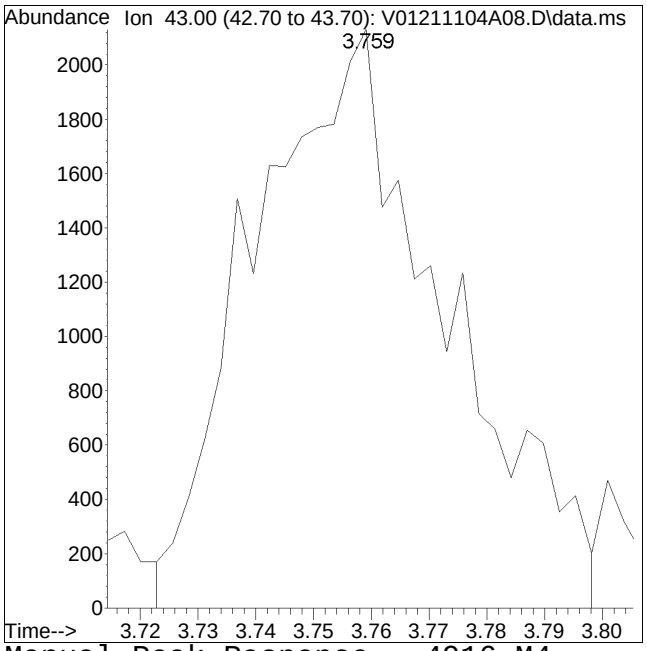
Data Path : I:\VOLATILES\VOA101\2021\2
Data File : V01211104A08.D
Date Inj'd : 11/4/2021 11:54 am
Sample : I8260STD2PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 1:34 pm

Compound #17: Acetone



Original Peak Response = 4063



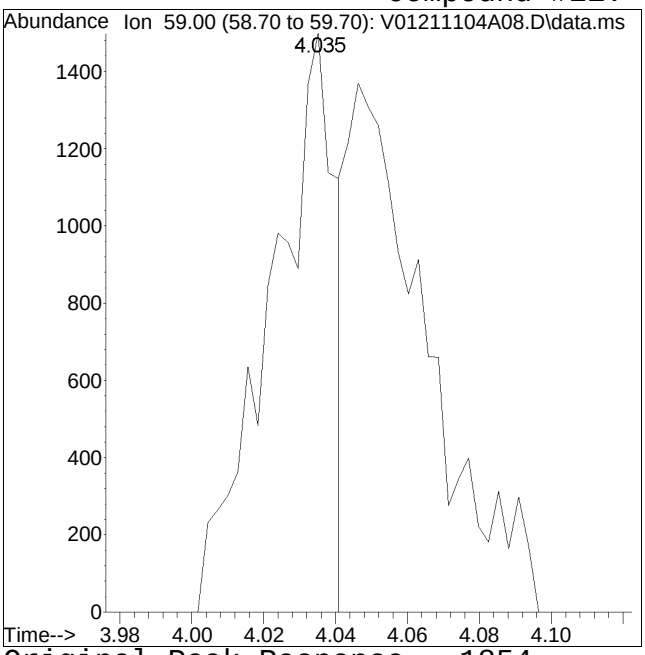
Manual Peak Response = 4916 M4

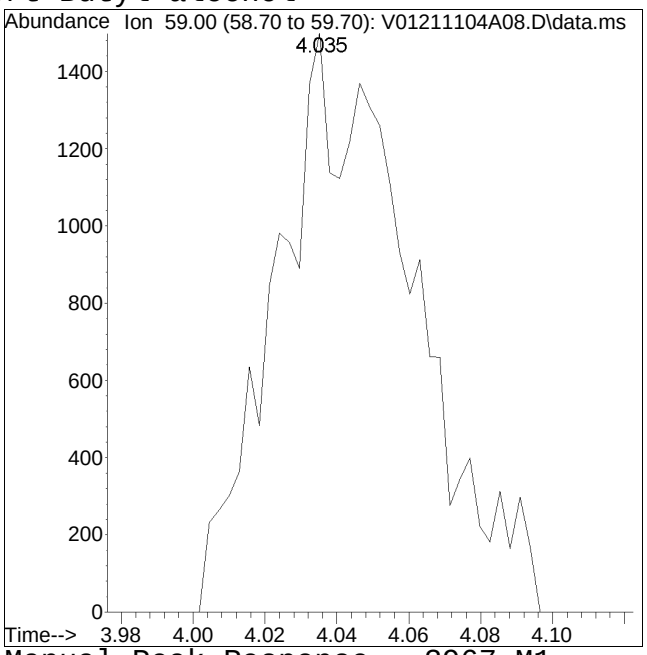
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #21: tert-Butyl alcohol



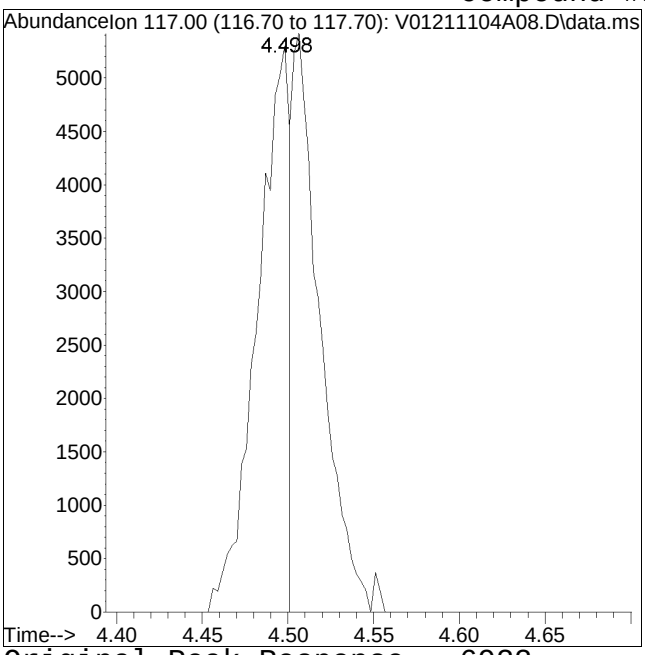


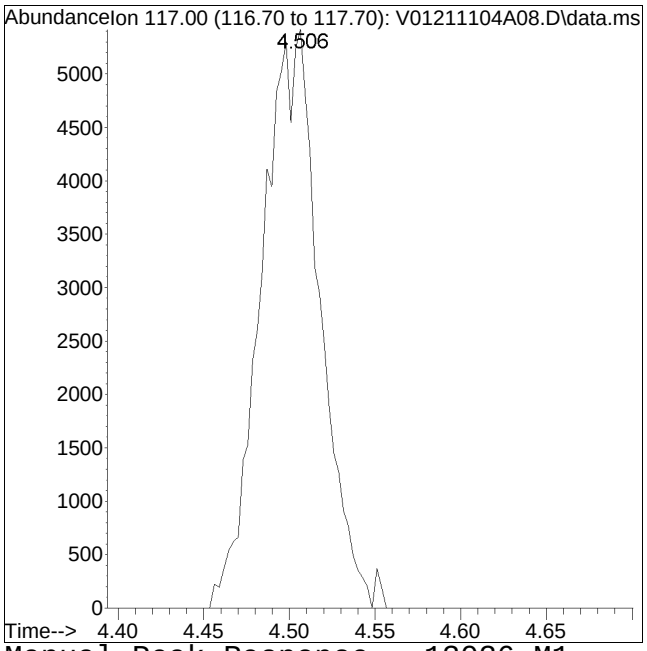
Original Peak Response = 1854 Manual Peak Response = 3967 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #24: Halothane





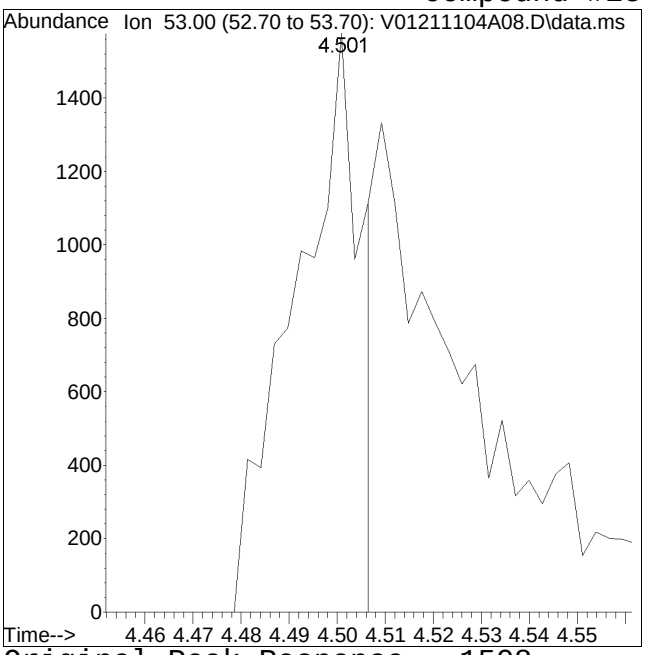
Original Peak Response = 6922 Manual Peak Response = 13036 M1

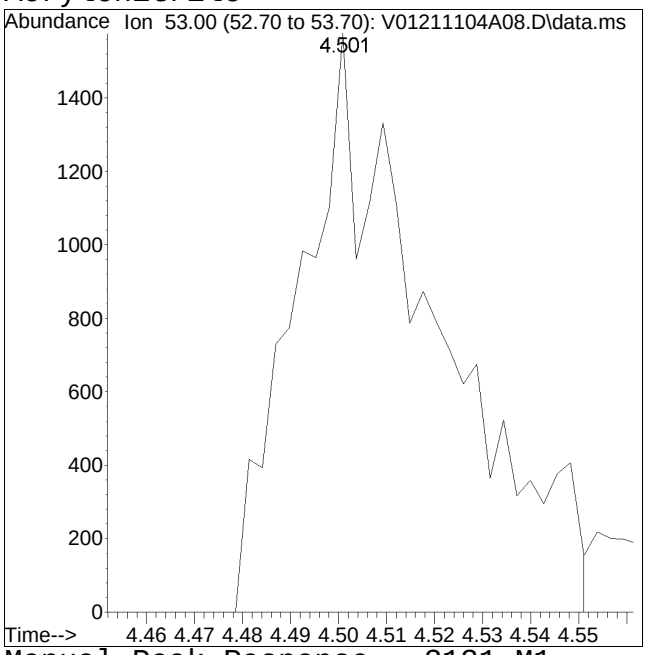
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #25: Acrylonitrile



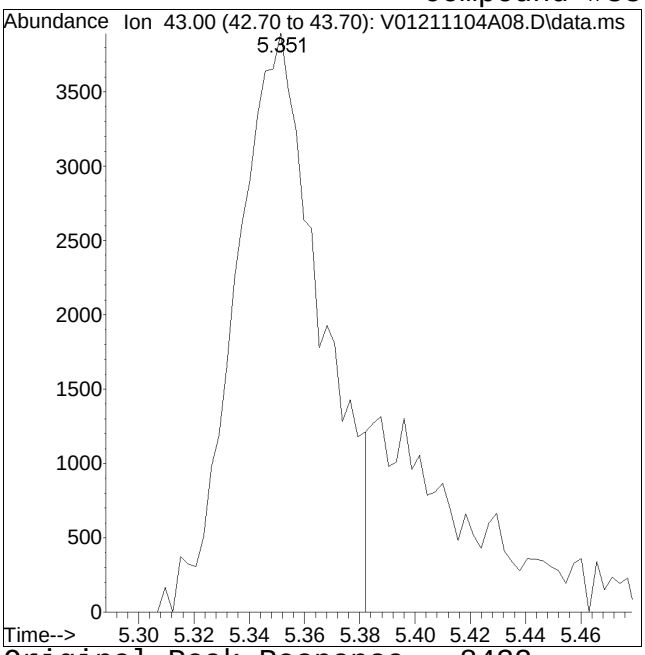


Original Peak Response = 1508 Manual Peak Response = 3131 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

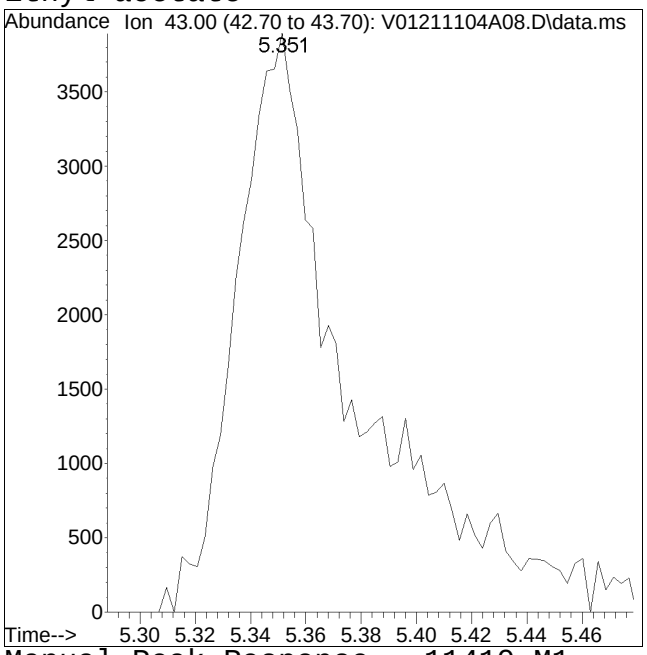
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #33: Ethyl acetate



Original Peak Response = 8432



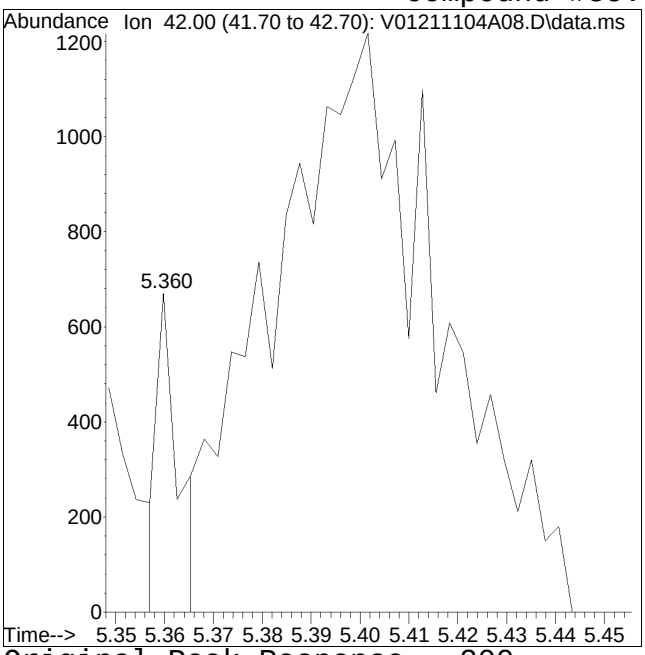
Manual Peak Response = 11410 M1

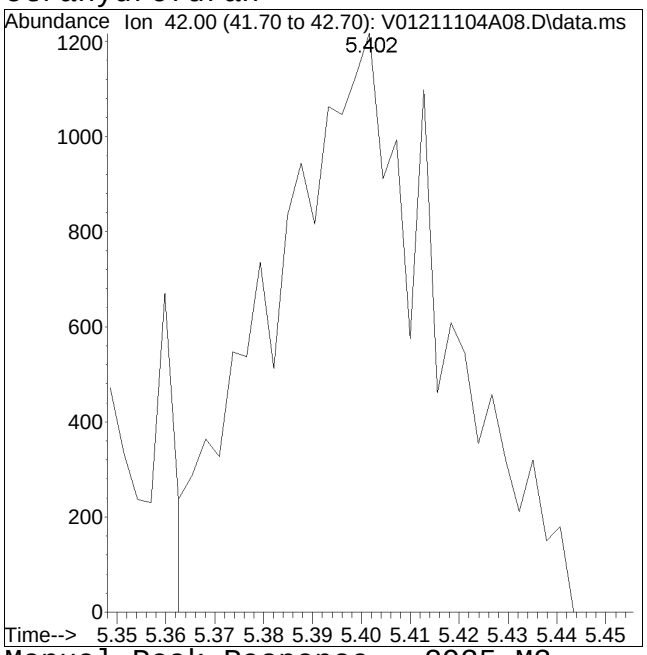
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #35: Tetrahydrofuran





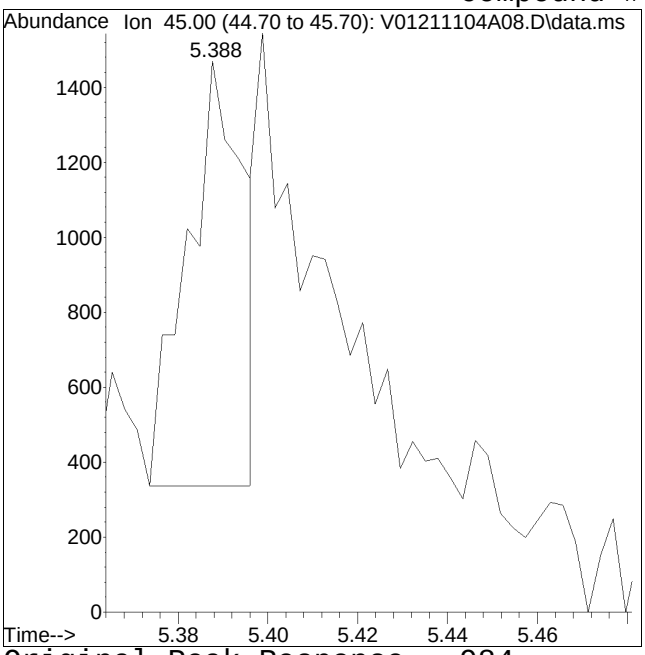
Original Peak Response = 200 Manual Peak Response = 2935 M3

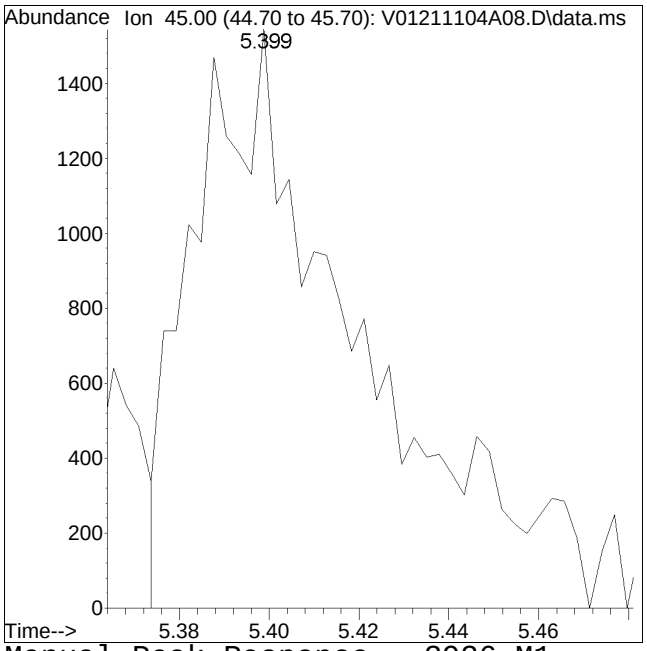
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #38: 2-Butanol



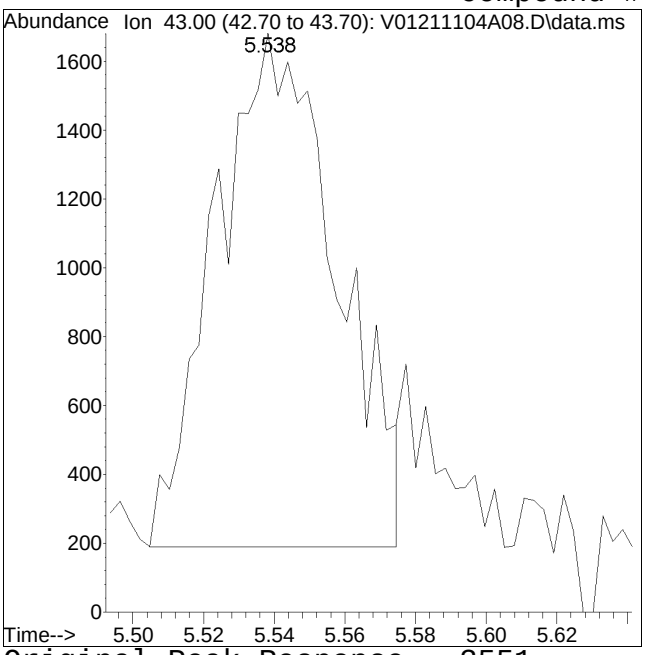


Original Peak Response = 984 Manual Peak Response = 3926 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

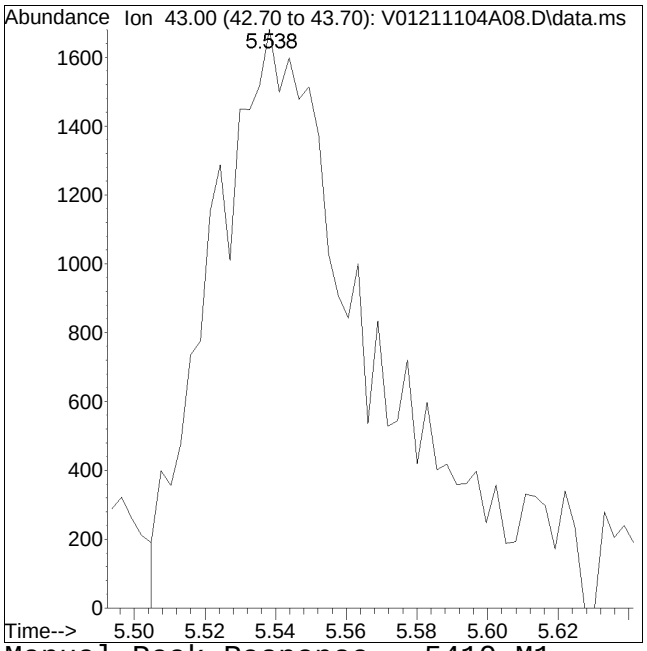
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #39: 2-Butanone



Original Peak Response = 3551



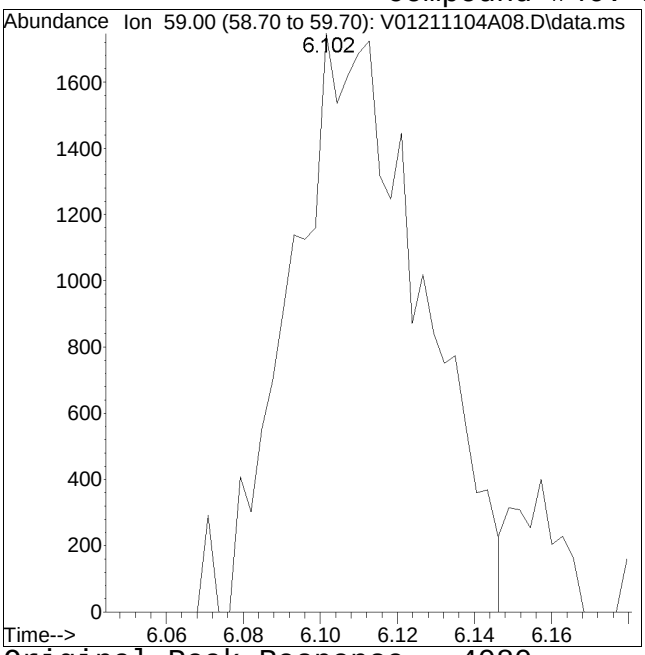
Manual Peak Response = 5410 M1

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

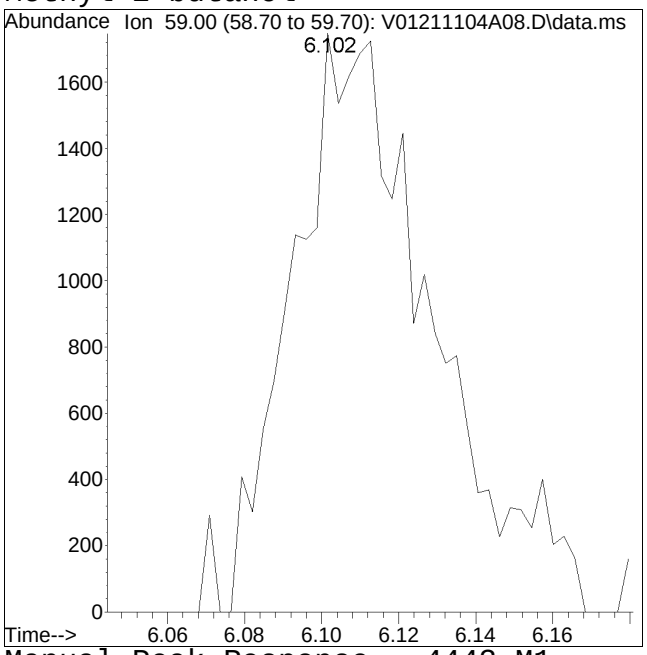
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #46: 2-Methyl-2-butanol



Original Peak Response = 4080



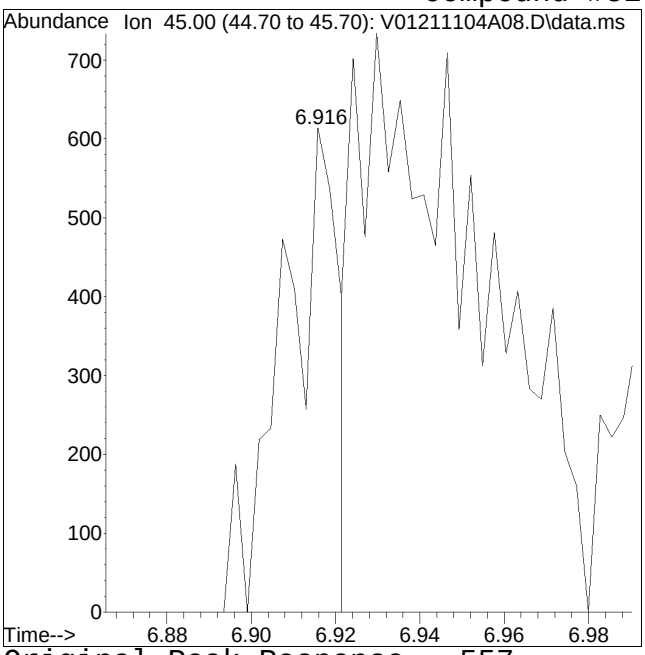
Manual Peak Response = 4443 M1

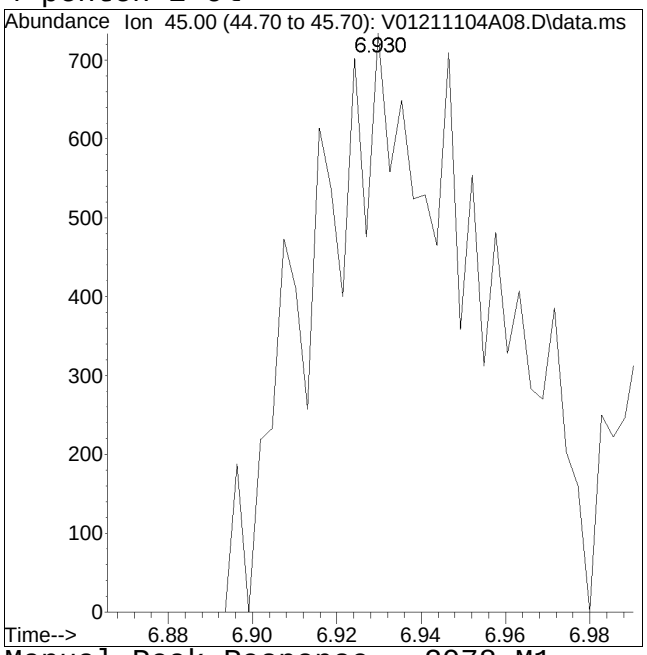
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #52: 4-penten-2-ol





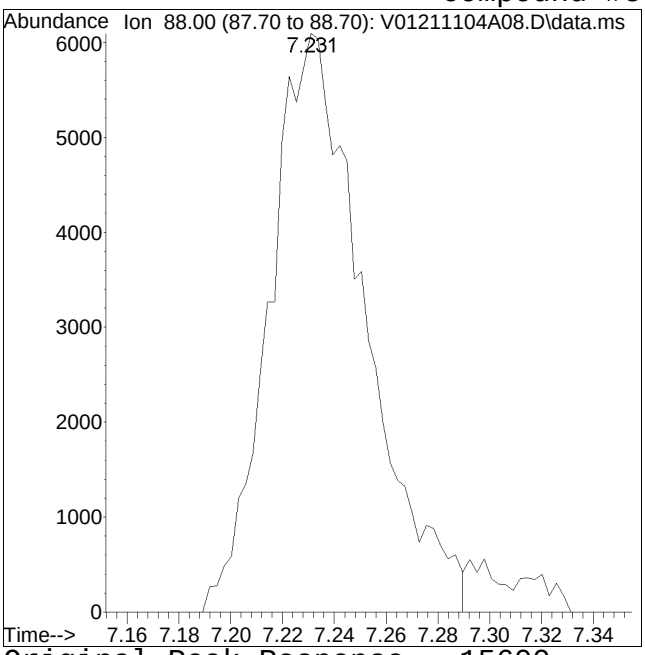
Original Peak Response = 557 Manual Peak Response = 2078 M1

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

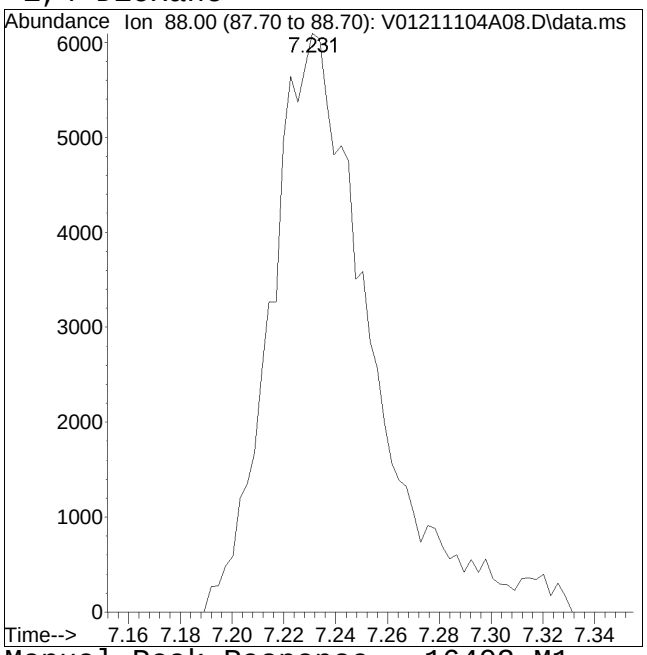
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 15600



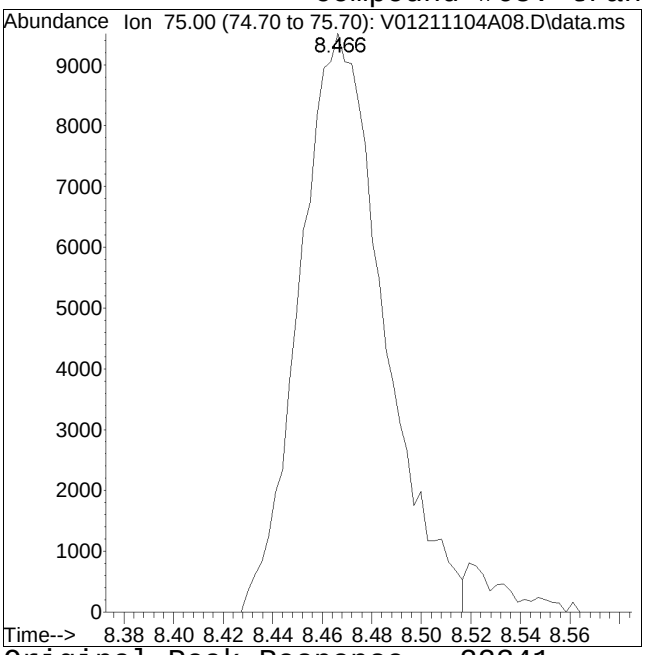
Manual Peak Response = 16402 M1

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

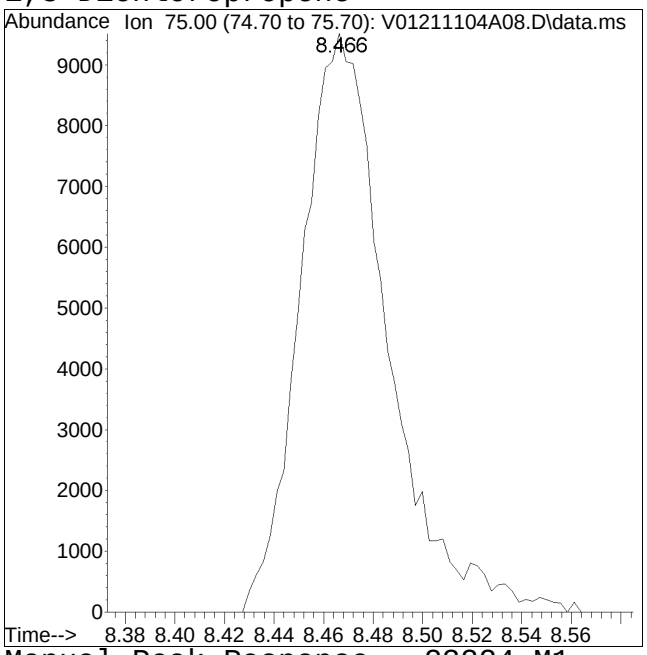
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 22341



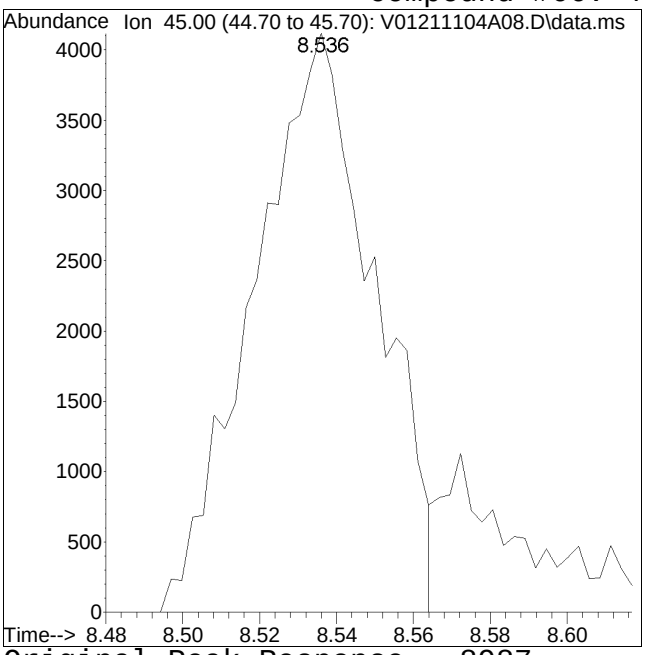
Manual Peak Response = 23224 M1

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

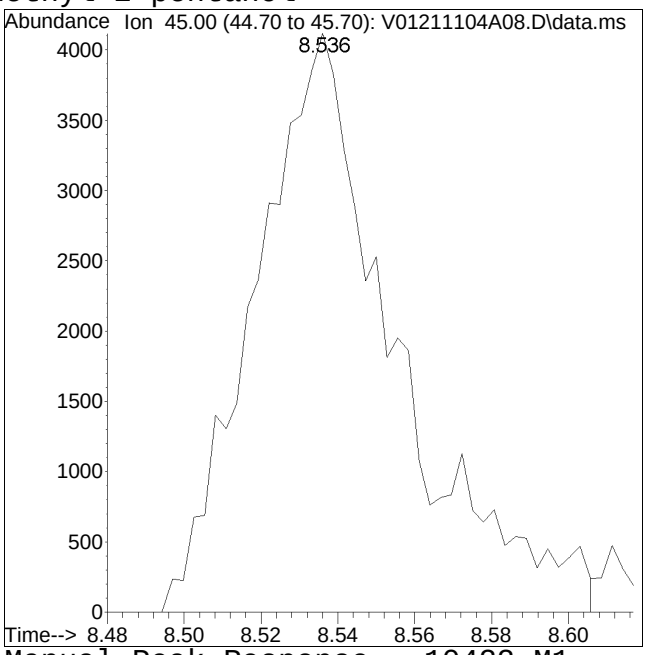
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #66: 4-Methyl-2-pentanol



Original Peak Response = 8987



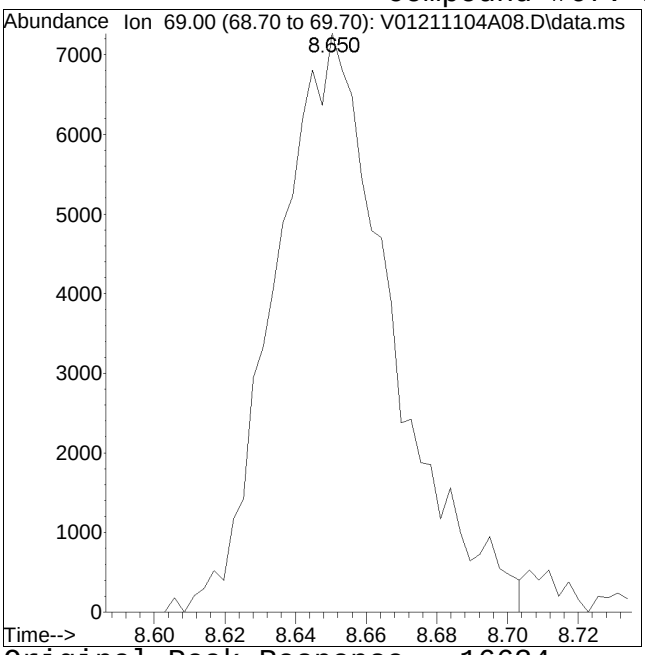
Manual Peak Response = 10422 M1

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

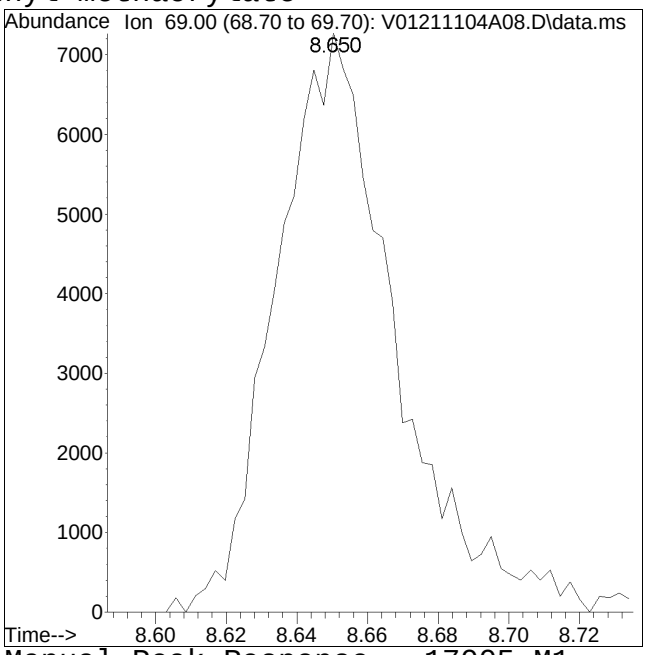
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #67: Ethyl methacrylate



Original Peak Response = 16634



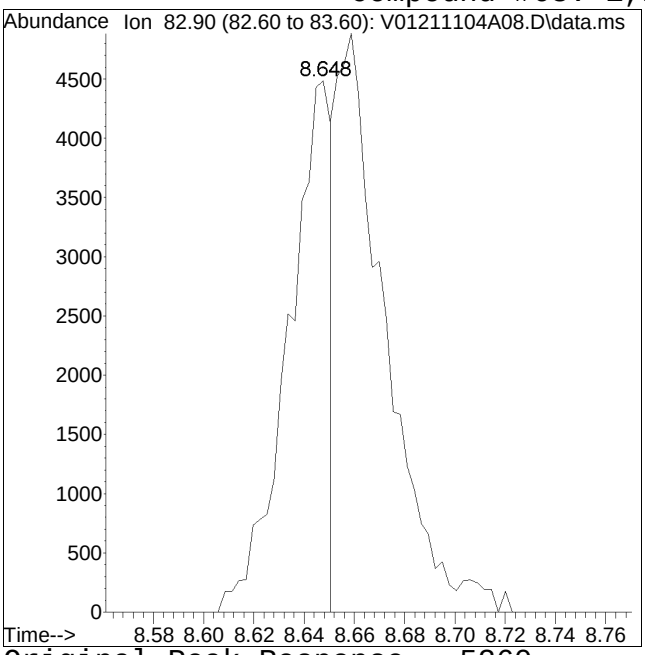
Manual Peak Response = 17005 M1

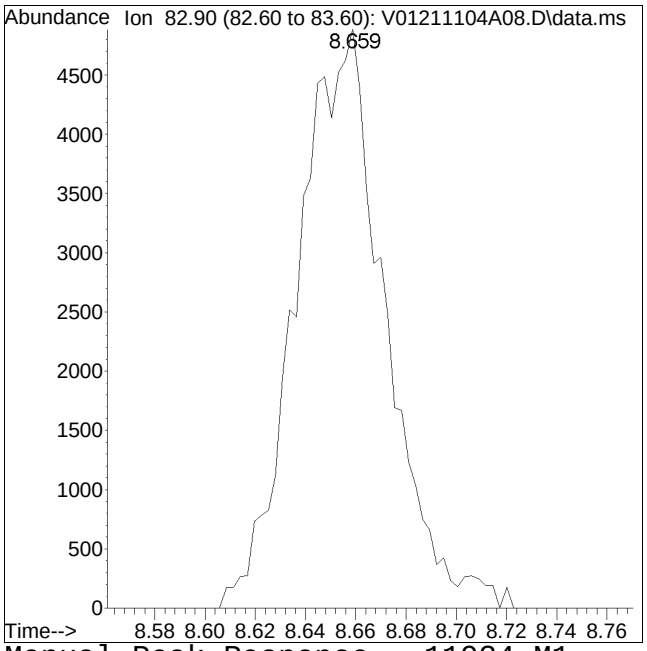
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #68: 1,1,2-Trichloroethane



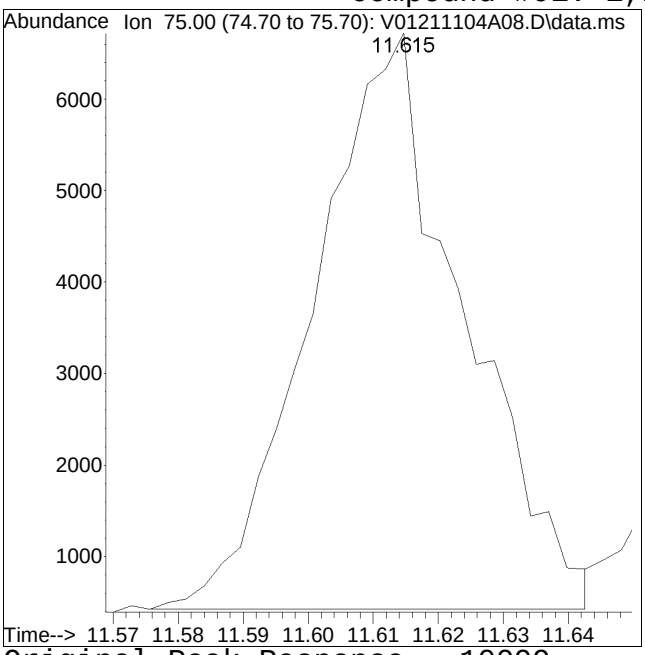


Original Peak Response = 5260 Manual Peak Response = 11934 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

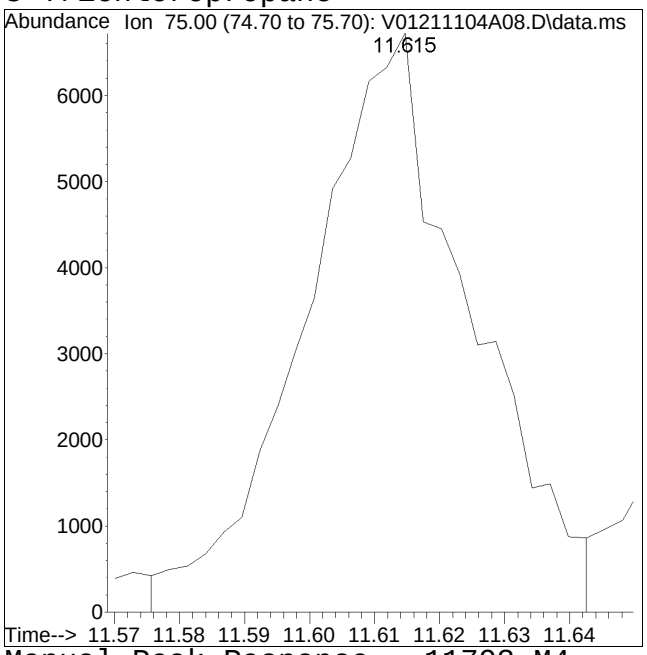
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A08.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 11:54 am Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 11/4/2021 1:34 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 10099



Manual Peak Response = 11793 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A09.D
Acq On : 4 Nov 2021 12:18 pm
Operator : VOA101:NLK
Sample : I8260STD10PPB
Misc : WG1567338
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 21:08:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 21:08:06 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.224	96	458543	10.000 ug/L	0.00
Standard Area 1 = 458543			Recovery = 100.00%		
59) Chlorobenzene-d5	9.774	117	355002	10.000 ug/L	0.00
Standard Area 1 = 355002			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.429	152	185896	10.000 ug/L	0.00
Standard Area 1 = 185896			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.407	113	117054	9.967 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.67%		
43) 1,2-Dichloroethane-d4	5.943	65	129702	9.908 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.08%		
60) Toluene-d8	7.920	98	445229	10.148 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.48%		
83) 4-Bromofluorobenzene	11.238	95	170913	10.088 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.88%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.760	85	128932	10.554 ug/L	99
3) Chloromethane	1.963	50	137679	10.414 ug/L	100
4) Vinyl chloride	2.044	62	136831	10.885 ug/L	99
5) Bromomethane	2.370	94	80325	8.649 ug/L	99
6) Chloroethane	2.496	64	88402	10.608 ug/L	98
7) Trichlorofluoromethane	2.644	101	197536	10.704 ug/L	99
8) Ethyl ether	2.939	74	51264	10.359 ug/L	99
10) 1,1-Dichloroethene	3.143	96	110900	10.772 ug/L	99
11) Carbon disulfide	3.176	76	297187	10.218 ug/L	99
12) Freon-113	3.179	101	119367	10.659 ug/L	97
13) Iodomethane	3.285	142	141332	10.379 ug/L	98
14) Acrolein	3.458	56	9437M1	9.971 ug/L	
15) Methylene chloride	3.703	84	114131	9.953 ug/L	98
16) Isopropyl alcohol	3.611	45	7088M1	37.950 ug/L	
17) Acetone	3.734	43	22834	9.365 ug/L	96
18) trans-1,2-Dichloroethene	3.859	96	118260	10.410 ug/L	97
19) Methyl acetate	3.857	43	43190	9.983 ug/L	100
20) Methyl tert-butyl ether	3.949	73	247780	10.183 ug/L	99
21) tert-Butyl alcohol	4.035	59	13565M1	39.178 ug/L	
22) Diisopropyl ether	4.311	45	357820	10.155 ug/L	99
23) 1,1-Dichloroethane	4.448	63	224677	10.401 ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A09.D
Acq On : 4 Nov 2021 12:18 pm
Operator : VOA101:NLK
Sample : I8260STD10PPB
Misc : WG1567338
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 21:08:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 21:08:06 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.492	117	92269	10.543	ug/L		99
25) Acrylonitrile	4.487	53	21085	9.782	ug/L		94
26) Ethyl tert-butyl ether	4.663	59	326455	10.071	ug/L		96
27) Vinyl acetate	4.674	43	202554	10.625	ug/L		100
28) cis-1,2-Dichloroethene	4.969	96	128767	10.292	ug/L		99
29) 2,2-Dichloropropane	5.075	77	184347	10.520	ug/L		96
30) Bromochloromethane	5.162	128	55659	10.347	ug/L		98
31) Cyclohexane	5.173	56	213020	10.566	ug/L		91
32) Chloroform	5.231	83	212495	10.196	ug/L		98
33) Ethyl acetate	5.332	43	66083M1	10.345	ug/L		
34) Carbon tetrachloride	5.374	117	180287	10.503	ug/L		97
35) Tetrahydrofuran	5.385	42	17051M1	9.777	ug/L		
37) 1,1,1-Trichloroethane	5.441	97	200631	10.530	ug/L		99
38) 2-Butanol	5.382	45	9558M1	35.014	ug/L		
39) 2-Butanone	5.521	43	25212	8.943	ug/L	#	49
40) 1,1-Dichloropropene	5.563	75	164500	10.458	ug/L		98
41) Benzene	5.806	78	454163	10.144	ug/L		99
42) tert-Amyl methyl ether	5.909	73	271174	10.035	ug/L		99
44) 1,2-Dichloroethane	6.010	62	144743	10.043	ug/L		99
46) 2-Methyl-2-butanol	6.102	59	12527M1	40.112	ug/L		
47) Methyl cyclohexane	6.397	83	200112	10.456	ug/L		98
48) Trichloroethene	6.408	95	127563	10.159	ug/L		99
50) Dibromomethane	6.846	93	61984M1	10.305	ug/L		
51) 1,2-Dichloropropane	6.952	63	116746	10.111	ug/L		98
52) 4-penten-2-ol	6.907	45	5616M1	60.623	ug/L		
53) 2-Chloroethyl vinyl ether	7.641	63	16466	11.588	ug/L		96
54) Bromodichloromethane	7.016	83	159617	10.017	ug/L		96
57) 1,4-Dioxane	7.223	88	17140M1	508.096	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	177765	10.115	ug/L		93
61) Toluene	7.981	92	292963	10.289	ug/L		100
62) 4-Methyl-2-pentanone	8.413	58	22740	9.748	ug/L		94
63) Tetrachloroethene	8.433	166	130984	10.483	ug/L		96
65) trans-1,3-Dichloropropene	8.458	75	146913	10.046	ug/L		98
66) 4-Methyl-2-pentanol	8.530	45	33631	38.620	ug/L	#	86
67) Ethyl methacrylate	8.642	69	104922	9.991	ug/L		97
68) 1,1,2-Trichloroethane	8.648	83	70605	10.223	ug/L		99
69) Chlorodibromomethane	8.862	129	103691	10.007	ug/L		99
70) 1,3-Dichloropropane	8.974	76	144177	10.282	ug/L		99
71) 1,2-Dibromoethane	9.144	107	83369	10.396	ug/L		97
72) 2-Hexanone	9.423	43	42705	9.957	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A09.D
Acq On : 4 Nov 2021 12:18 pm
Operator : VOA101:NLK
Sample : I8260STD10PPB
Misc : WG1567338
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 21:08:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 21:08:06 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.796	112	320734	10.089	ug/L		99
74) Ethylbenzene	9.827	91	571944	10.189	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.877	131	117180	10.052	ug/L		99
76) p/m Xylene	10.017	106	438946	19.846	ug/L		98
77) o Xylene	10.547	106	416837	19.785	ug/L		98
78) Styrene	10.608	104	682700	20.192	ug/L		100
80) Bromoform	10.639	173	56455	9.727	ug/L		100
82) Isopropylbenzene	10.918	105	545867	10.270	ug/L		100
84) Bromobenzene	11.350	156	125607	10.085	ug/L		99
85) n-Propylbenzene	11.386	91	634991	10.352	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	138051	10.047	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.472	83	85862	10.283	ug/L		100
88) 4-Ethyltoluene	11.512	105	516605	10.142	ug/L		99
89) 2-Chlorotoluene	11.556	91	363617	10.121	ug/L		99
90) 1,3,5-Trimethylbenzene	11.606	105	422408	10.016	ug/L		99
91) 1,2,3-Trichloropropane	11.612	75	71338M4	9.908	ug/L		
92) trans-1,4-Dichloro-2-b...	11.662	53	25860	10.056	ug/L	#	78
93) 4-Chlorotoluene	11.737	91	369920	9.986	ug/L		99
94) tert-Butylbenzene	11.944	119	360830	10.206	ug/L		99
97) 1,2,4-Trimethylbenzene	12.019	105	406795	10.010	ug/L		100
98) sec-Butylbenzene	12.131	105	491858	10.131	ug/L		99
99) p-Isopropyltoluene	12.281	119	420575	10.015	ug/L		99
100) 1,3-Dichlorobenzene	12.354	146	224442	9.910	ug/L		99
101) 1,4-Dichlorobenzene	12.446	146	226667	9.865	ug/L		99
102) p-Diethylbenzene	12.649	119	234843	9.935	ug/L		99
103) n-Butylbenzene	12.708	91	333937	10.088	ug/L		99
104) 1,2-Dichlorobenzene	12.864	146	199165	9.913	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.438	119	323179	9.835	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.642	155	10568	9.906	ug/L		99
107) 1,3,5-Trichlorobenzene	13.670	180	113546	9.963	ug/L		97
108) Hexachlorobutadiene	14.242	225	37833	9.969	ug/L		99
109) 1,2,4-Trichlorobenzene	14.267	180	91772	9.874	ug/L		98
110) Naphthalene	14.559	128	188361	9.658	ug/L		100
111) 1,2,3-Trichlorobenzene	14.727	180	68654	9.633	ug/L		99

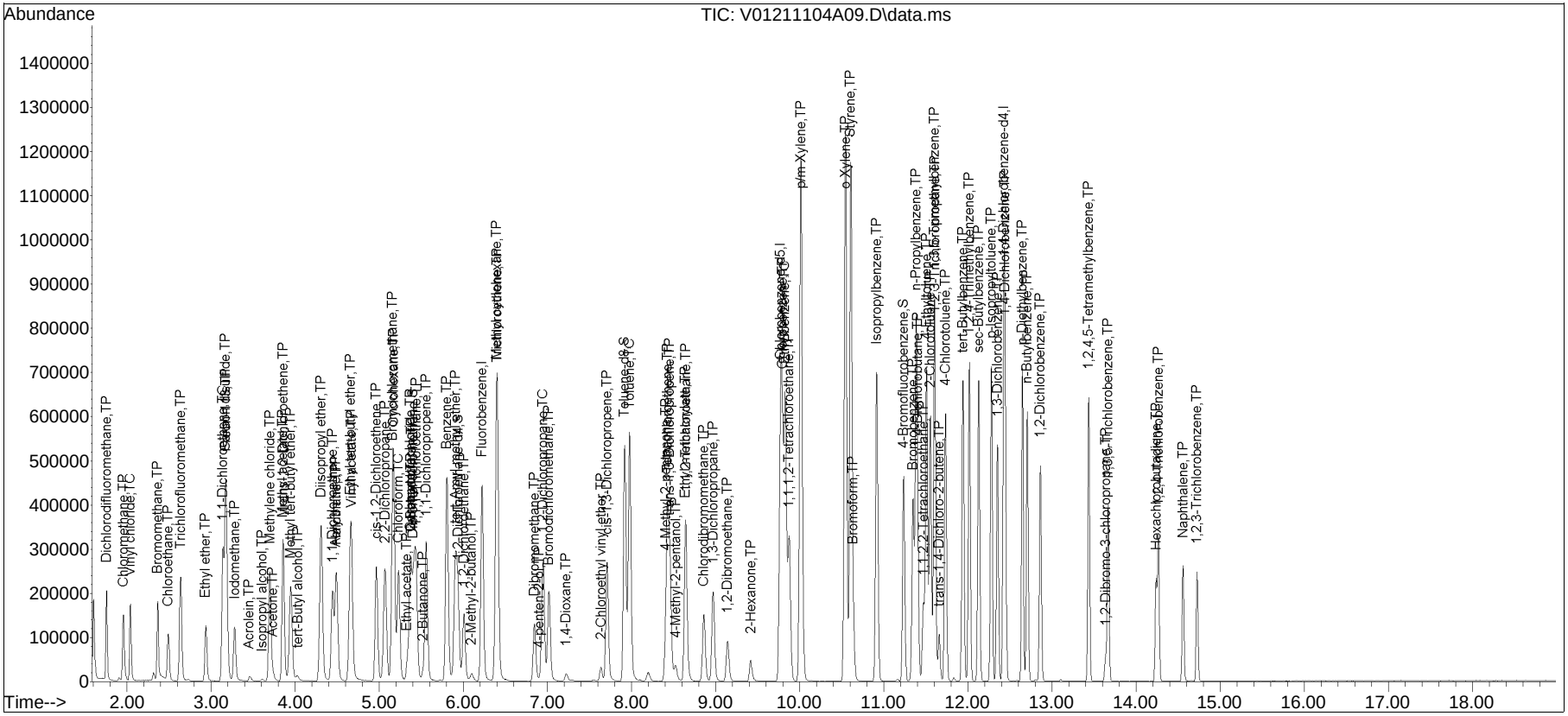
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A09.D
Acq On : 4 Nov 2021 12:18 pm
Operator : VOA101:NLK
Sample : I8260STD10PPB
Misc : WG1567338
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 21:08:13 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 21:08:06 2021
Response via : Initial Calibration

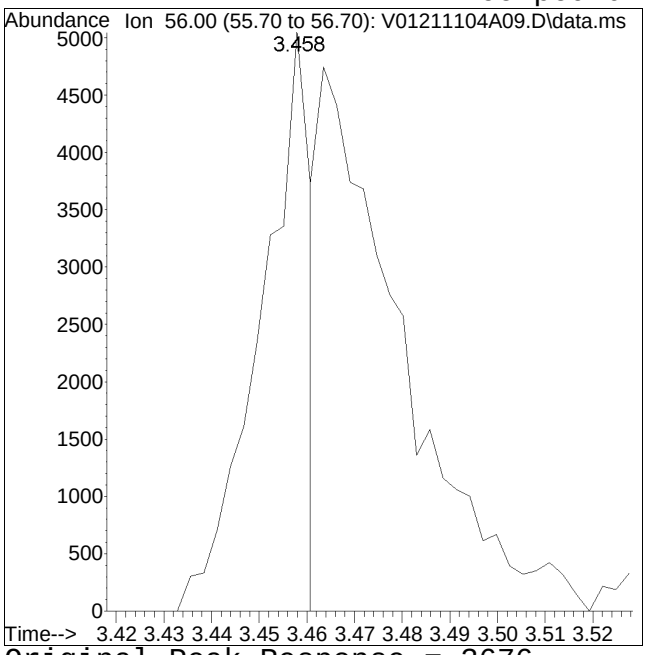
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

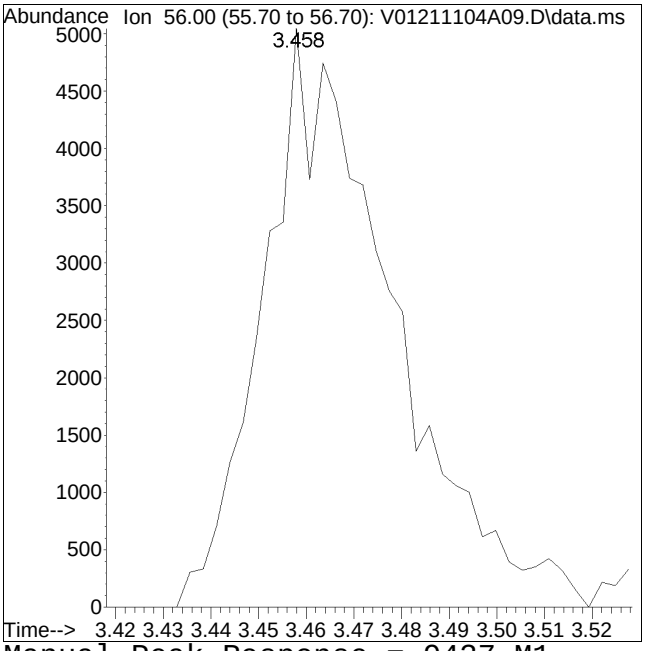


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #14: Acrolein



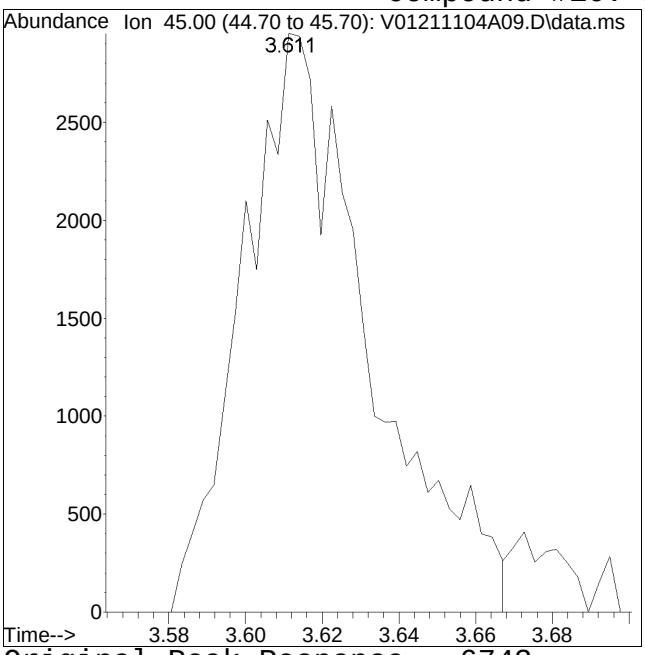


Original Peak Response = 3676 Manual Peak Response = 9437 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

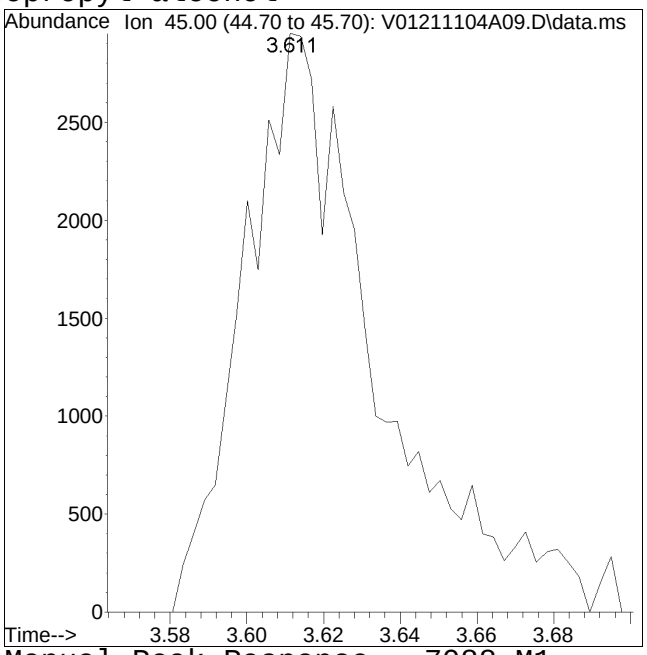
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 6743



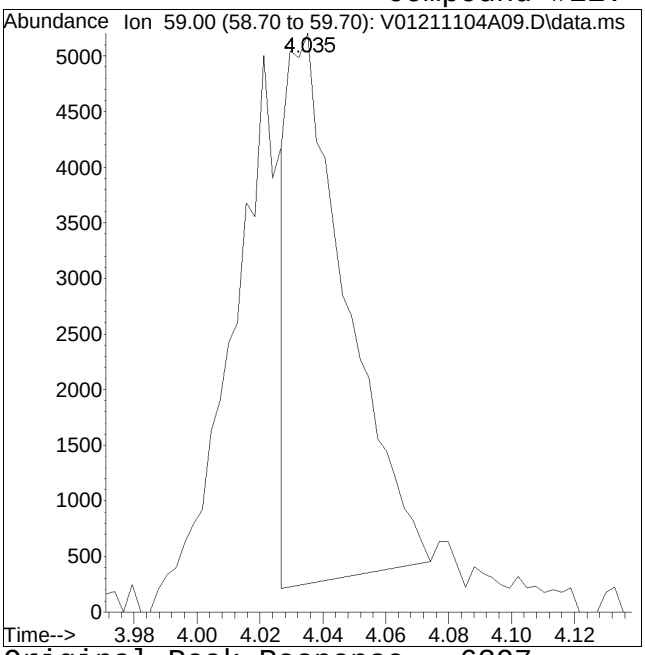
Manual Peak Response = 7088 M1

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

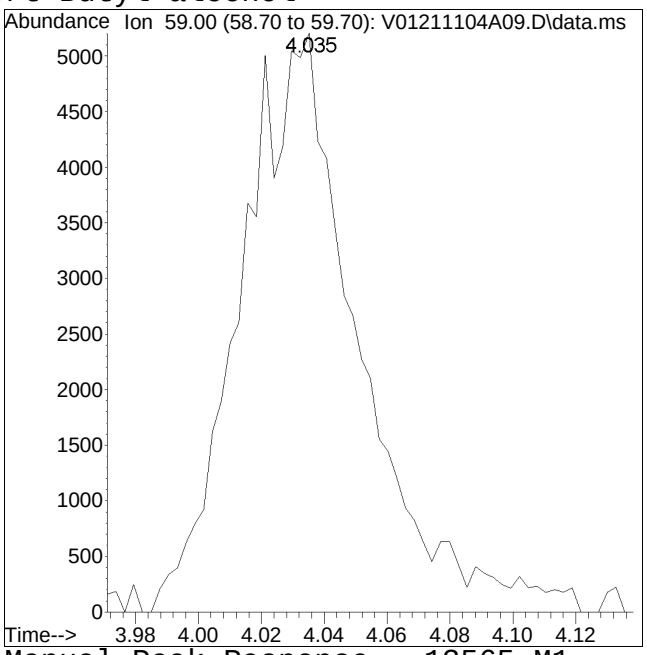
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 6397



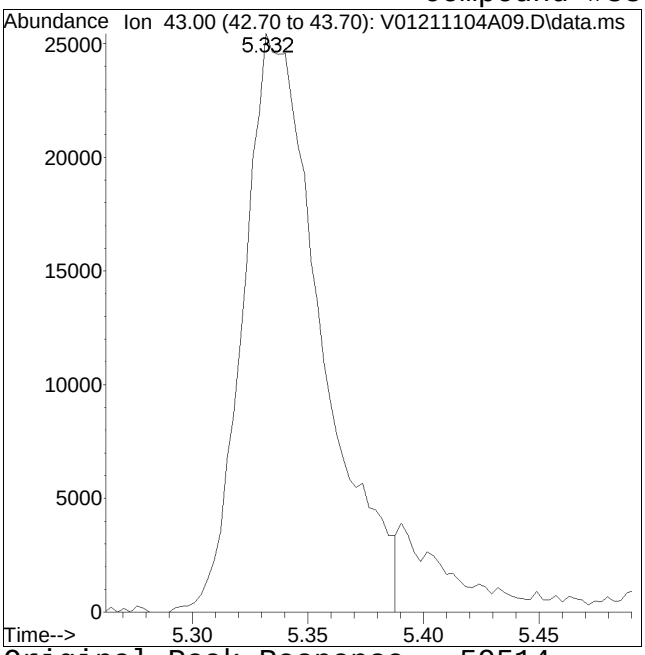
Manual Peak Response = 13565 M1

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

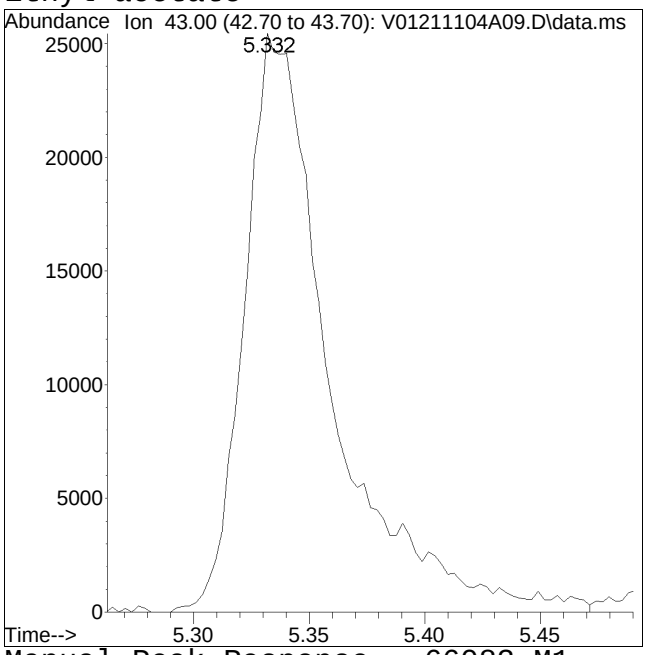
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #33: Ethyl acetate



Original Peak Response = 59514



Manual Peak Response = 66083 M1

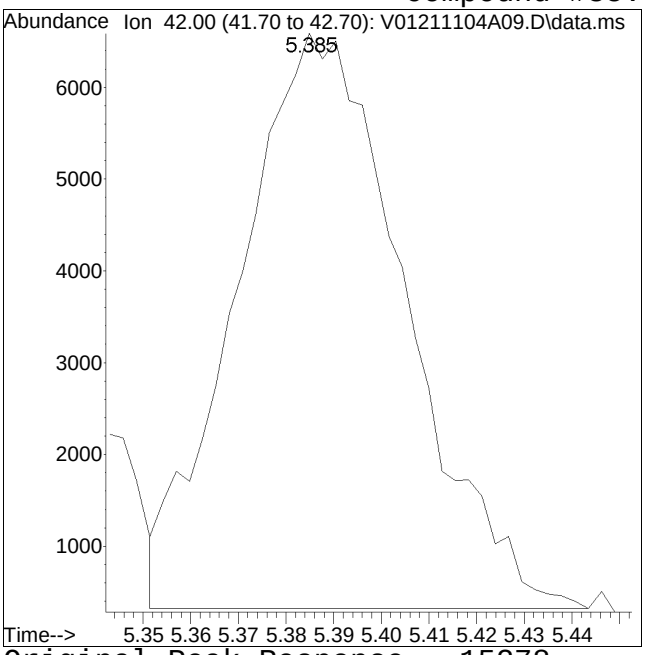
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

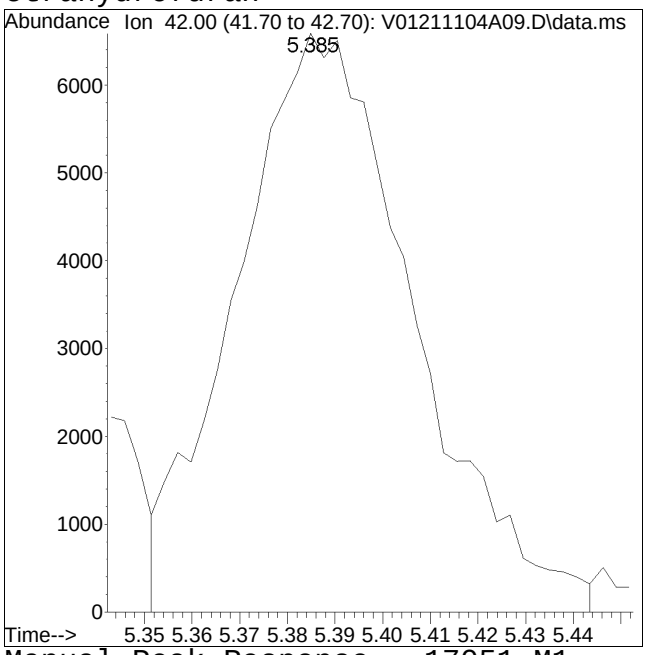
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A09.D
Date Inj'd : 11/4/2021 12:18 pm
Sample : I8260STD10PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:08 pm

Compound #35: Tetrahydrofuran



Original Peak Response = 15278



Manual Peak Response = 17051 M1

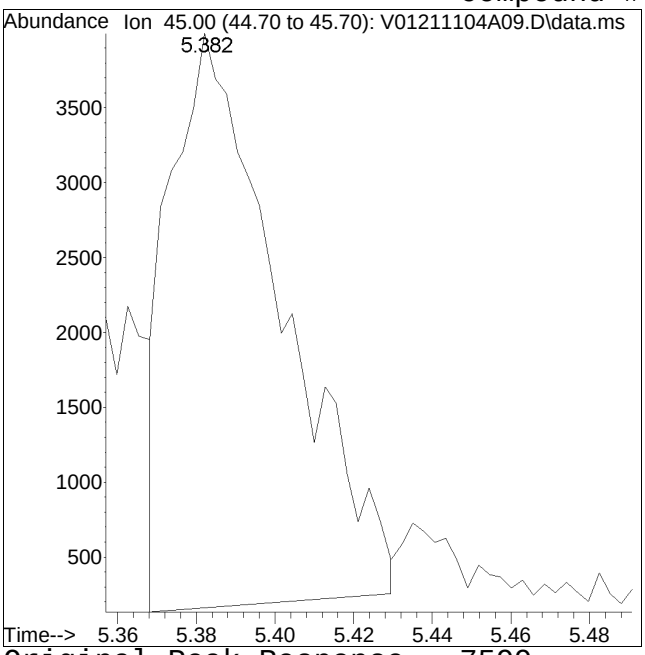
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

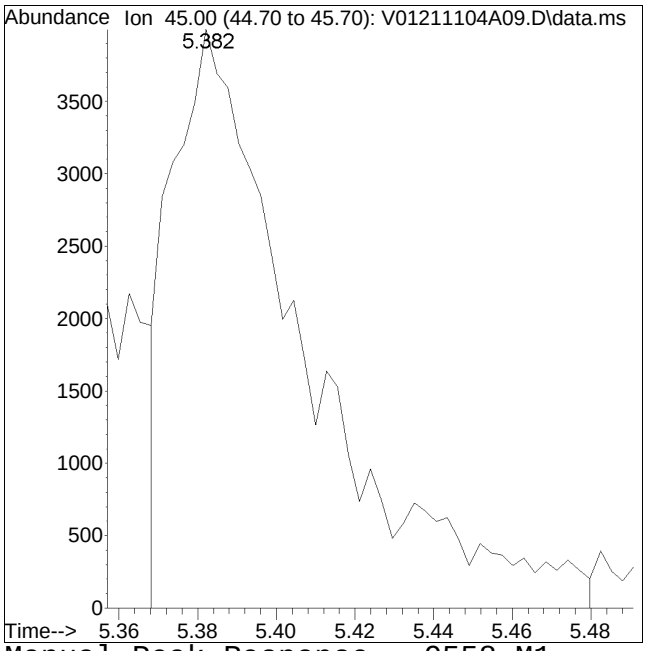
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A09.D
Date Inj'd : 11/4/2021 12:18 pm
Sample : I8260STD10PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:08 pm

Compound #38: 2-Butanol



Original Peak Response = 7599



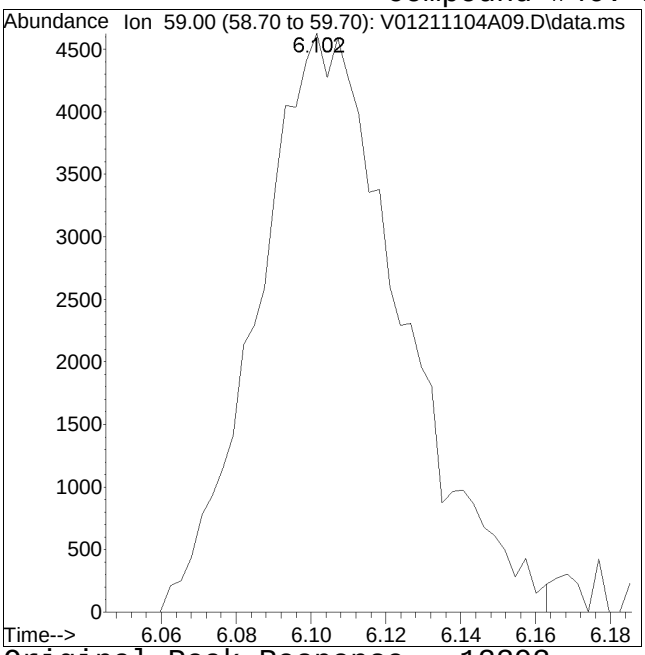
Manual Peak Response = 9558 M1

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

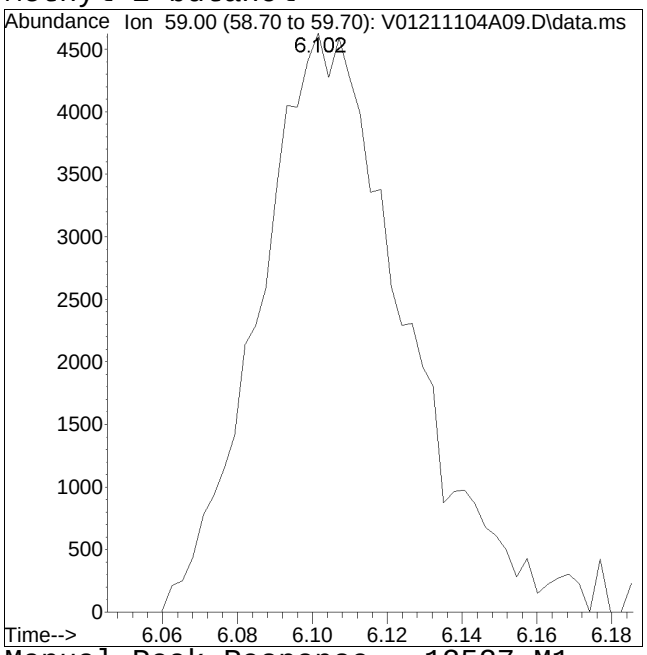
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #46: 2-Methyl-2-butanol



Original Peak Response = 12393



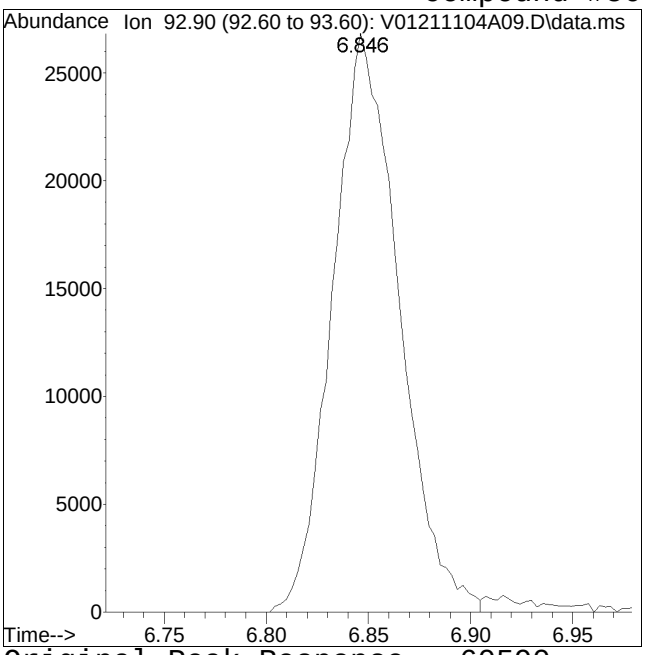
Manual Peak Response = 12527 M1

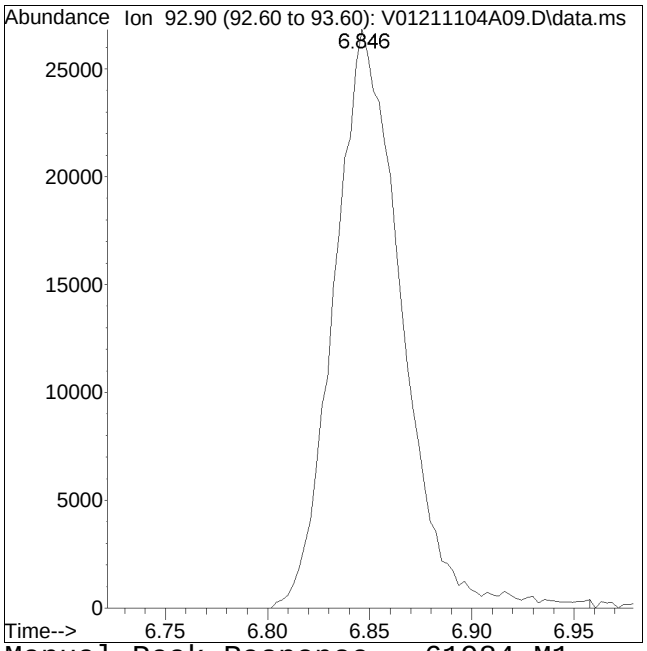
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #50: Dibromomethane





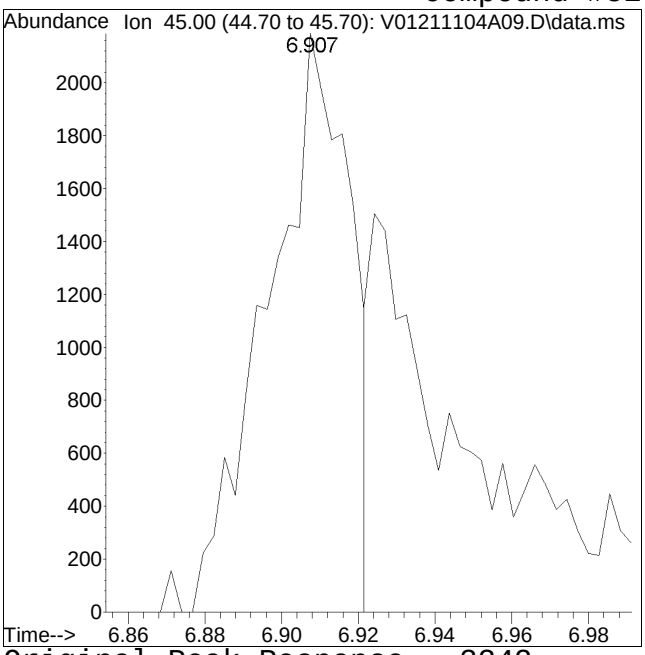
Original Peak Response = 60590 Manual Peak Response = 61984 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

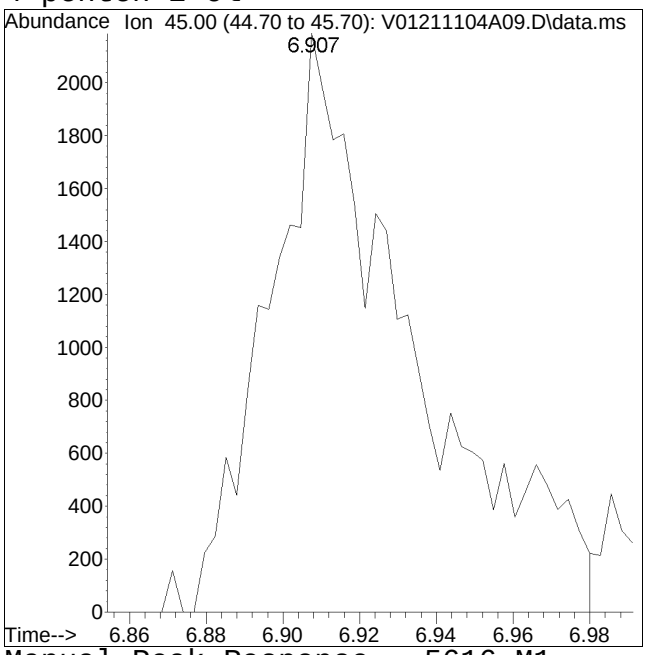
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A09.D
Date Inj'd : 11/4/2021 12:18 pm
Sample : I8260STD10PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 9:08 pm

Compound #52: 4-penten-2-ol



Original Peak Response = 3242



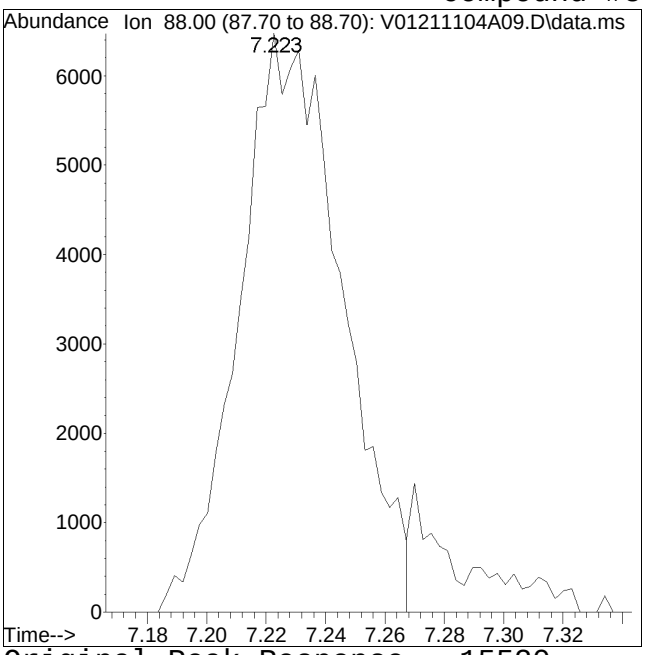
Manual Peak Response = 5616 M1

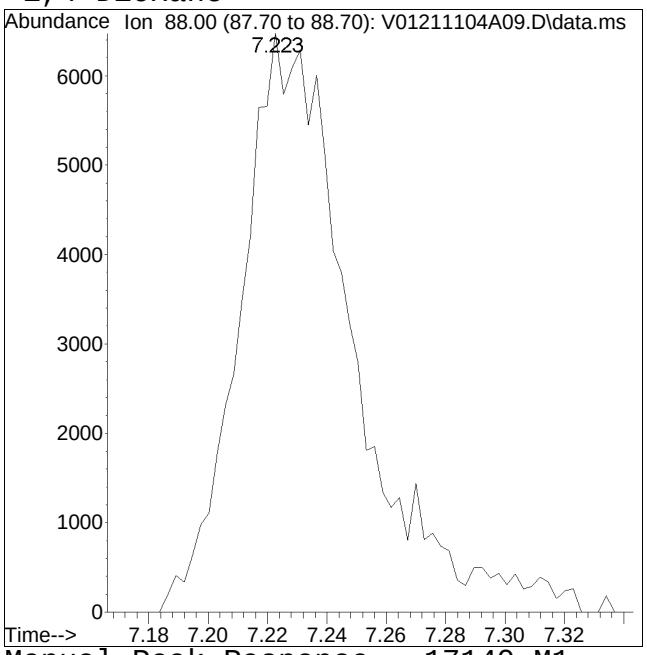
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #57: 1,4-Dioxane



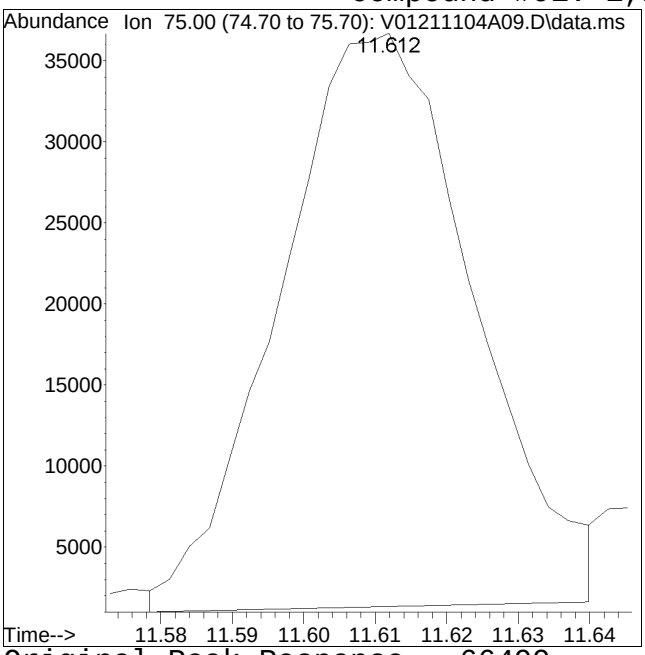


Original Peak Response = 15520 Manual Peak Response = 17140 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

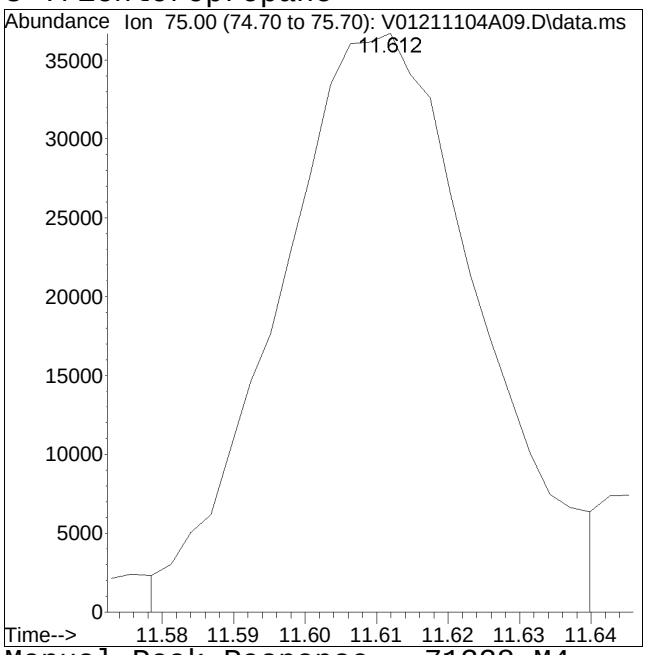
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A09.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:18 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 11/4/2021 9:08 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 66499



Manual Peak Response = 71338 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A10.D
Acq On : 4 Nov 2021 12:41 pm
Operator : VOA101:NLK
Sample : I8260STD30PPB
Misc : WG1567338
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:43:47 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.224	96	459412	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 100.19%			
59) Chlorobenzene-d5	9.771	117	355222	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 100.06%			
79) 1,4-Dichlorobenzene-d4	12.429	152	190131	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 102.28%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.410	113	117518	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%			
43) 1,2-Dichloroethane-d4	5.940	65	128339	9.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.76%			
60) Toluene-d8	7.923	98	440643	9.891	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.91%			
83) 4-Bromofluorobenzene	11.238	95	171880	9.833	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	389776	30.174	ug/L	100
3) Chloromethane	1.961	50	404527	29.326	ug/L	99
4) Vinyl chloride	2.044	62	412646	30.100	ug/L	98
5) Bromomethane	2.370	94	264223	32.832	ug/L	100
6) Chloroethane	2.493	64	261475	29.522	ug/L	98
7) Trichlorofluoromethane	2.641	101	603599	30.499	ug/L	98
8) Ethyl ether	2.942	74	154448	30.071	ug/L	97
10) 1,1-Dichloroethene	3.146	96	331438	29.830	ug/L	99
11) Carbon disulfide	3.176	76	901476	30.276	ug/L	100
12) Freon-113	3.185	101	363443	30.390	ug/L	98
13) Iodomethane	3.285	142	449375	31.736	ug/L	99
14) Acrolein	3.464	56	29480	31.180	ug/L	96
15) Methylene chloride	3.701	84	346439	30.297	ug/L	99
16) Isopropyl alcohol	3.611	45	25213M1	177.521	ug/L	
17) Acetone	3.734	43	76005	33.223	ug/L	93
18) trans-1,2-Dichloroethene	3.860	96	357123	30.141	ug/L	98
19) Methyl acetate	3.860	43	132104	30.529	ug/L	99
20) Methyl tert-butyl ether	3.949	73	766103	30.860	ug/L	100
21) tert-Butyl alcohol	4.027	59	46561	171.297	ug/L #	76
22) Diisopropyl ether	4.311	45	1100774	30.705	ug/L	100
23) 1,1-Dichloroethane	4.445	63	673847	29.935	ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A10.D
Acq On : 4 Nov 2021 12:41 pm
Operator : VOA101:NLK
Sample : I8260STD30PPB
Misc : WG1567338
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:43:47 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.493	117	281465	30.447	ug/L		100
25) Acrylonitrile	4.484	53	68734	32.537	ug/L		97
26) Ethyl tert-butyl ether	4.660	59	1008805	30.843	ug/L		94
27) Vinyl acetate	4.674	43	602342	29.681	ug/L		99
28) cis-1,2-Dichloroethene	4.967	96	388741	30.132	ug/L		99
29) 2,2-Dichloropropane	5.070	77	557500	30.185	ug/L		97
30) Bromochloromethane	5.159	128	172567	30.946	ug/L		98
31) Cyclohexane	5.173	56	652212	30.559	ug/L		91
32) Chloroform	5.232	83	657087	30.864	ug/L		99
33) Ethyl acetate	5.332	43	201200	30.389	ug/L		99
34) Carbon tetrachloride	5.374	117	558361	30.912	ug/L		98
35) Tetrahydrofuran	5.385	42	47984	28.088	ug/L	#	84
37) 1,1,1-Trichloroethane	5.441	97	609615	30.327	ug/L		99
38) 2-Butanol	5.377	45	33256M1	173.640	ug/L		
39) 2-Butanone	5.519	43	83366	33.003	ug/L	#	53
40) 1,1-Dichloropropene	5.561	75	506569	30.736	ug/L		99
41) Benzene	5.809	78	1384068	30.417	ug/L		99
42) tert-Amyl methyl ether	5.909	73	835271	30.744	ug/L		99
44) 1,2-Dichloroethane	6.010	62	447324	30.846	ug/L		99
46) 2-Methyl-2-butanol	6.104	59	39614	157.815	ug/L		97
47) Methyl cyclohexane	6.400	83	613567	30.603	ug/L		99
48) Trichloroethene	6.406	95	394158	30.841	ug/L		98
50) Dibromomethane	6.849	93	190837	30.730	ug/L		98
51) 1,2-Dichloropropane	6.947	63	357473	30.562	ug/L		99
52) 4-penten-2-ol	6.896	45	19223	170.821	ug/L	#	1
53) 2-Chloroethyl vinyl ether	7.635	63	52503	31.825	ug/L		98
54) Bromodichloromethane	7.019	83	491553	30.738	ug/L		99
57) 1,4-Dioxane	7.228	88	21588M1	628.564	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	556678	31.256	ug/L		93
61) Toluene	7.981	92	884621	30.177	ug/L		100
62) 4-Methyl-2-pentanone	8.405	58	75512	33.186	ug/L		98
63) Tetrachloroethene	8.433	166	403934	30.819	ug/L		96
65) trans-1,3-Dichloropropene	8.458	75	471614	32.082	ug/L		98
66) 4-Methyl-2-pentanol	8.525	45	119279	177.225	ug/L		99
67) Ethyl methacrylate	8.639	69	336337	32.036	ug/L		95
68) 1,1,2-Trichloroethane	8.650	83	215085	30.444	ug/L		98
69) Chlorodibromomethane	8.862	129	331549	31.955	ug/L		98
70) 1,3-Dichloropropane	8.971	76	444401	30.804	ug/L		100
71) 1,2-Dibromoethane	9.144	107	254842	30.549	ug/L		99
72) 2-Hexanone	9.415	43	138010	32.297	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A10.D
Acq On : 4 Nov 2021 12:41 pm
Operator : VOA101:NLK
Sample : I8260STD30PPB
Misc : WG1567338
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:43:47 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.797	112	986584	30.741	ug/L		99
74) Ethylbenzene	9.830	91	1764684	30.835	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.875	131	372931	31.806	ug/L		98
76) p/m Xylene	10.017	106	1374392	62.584	ug/L		98
77) o Xylene	10.547	106	1300059	62.339	ug/L		99
78) Styrene	10.608	104	2160231	63.246	ug/L		100
80) Bromoform	10.639	173	187671	32.502	ug/L		100
82) Isopropylbenzene	10.920	105	1699592	30.442	ug/L		100
84) Bromobenzene	11.350	156	390102	30.366	ug/L		100
85) n-Propylbenzene	11.389	91	1977394	30.447	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	429757	30.437	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.473	83	266613	30.360	ug/L		99
88) 4-Ethyltoluene	11.509	105	1632607	30.899	ug/L		99
89) 2-Chlorotoluene	11.556	91	1126696	30.296	ug/L		98
90) 1,3,5-Trimethylbenzene	11.606	105	1334625	30.892	ug/L		100
91) 1,2,3-Trichloropropane	11.609	75	225242M4	30.871	ug/L		
92) trans-1,4-Dichloro-2-b...	11.662	53	85476	32.317	ug/L	#	80
93) 4-Chlorotoluene	11.735	91	1168465	30.883	ug/L		99
94) tert-Butylbenzene	11.944	119	1131134	30.650	ug/L		99
97) 1,2,4-Trimethylbenzene	12.022	105	1293714	31.094	ug/L		100
98) sec-Butylbenzene	12.131	105	1563366	31.077	ug/L		100
99) p-Isopropyltoluene	12.281	119	1355722	31.517	ug/L		99
100) 1,3-Dichlorobenzene	12.354	146	717721	31.266	ug/L		100
101) 1,4-Dichlorobenzene	12.443	146	723991	31.229	ug/L		98
102) p-Diethylbenzene	12.652	119	763289	31.778	ug/L		99
103) n-Butylbenzene	12.708	91	1070757	31.350	ug/L		99
104) 1,2-Dichlorobenzene	12.864	146	634450	31.146	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.439	119	1061532	32.115	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.637	155	36178	33.471	ug/L		99
107) 1,3,5-Trichlorobenzene	13.670	180	368096	31.696	ug/L		98
108) Hexachlorobutadiene	14.239	225	120661	31.183	ug/L		99
109) 1,2,4-Trichlorobenzene	14.264	180	295009	31.430	ug/L		98
110) Naphthalene	14.560	128	623923	32.386	ug/L		100
111) 1,2,3-Trichlorobenzene	14.730	180	223747	31.865	ug/L		99

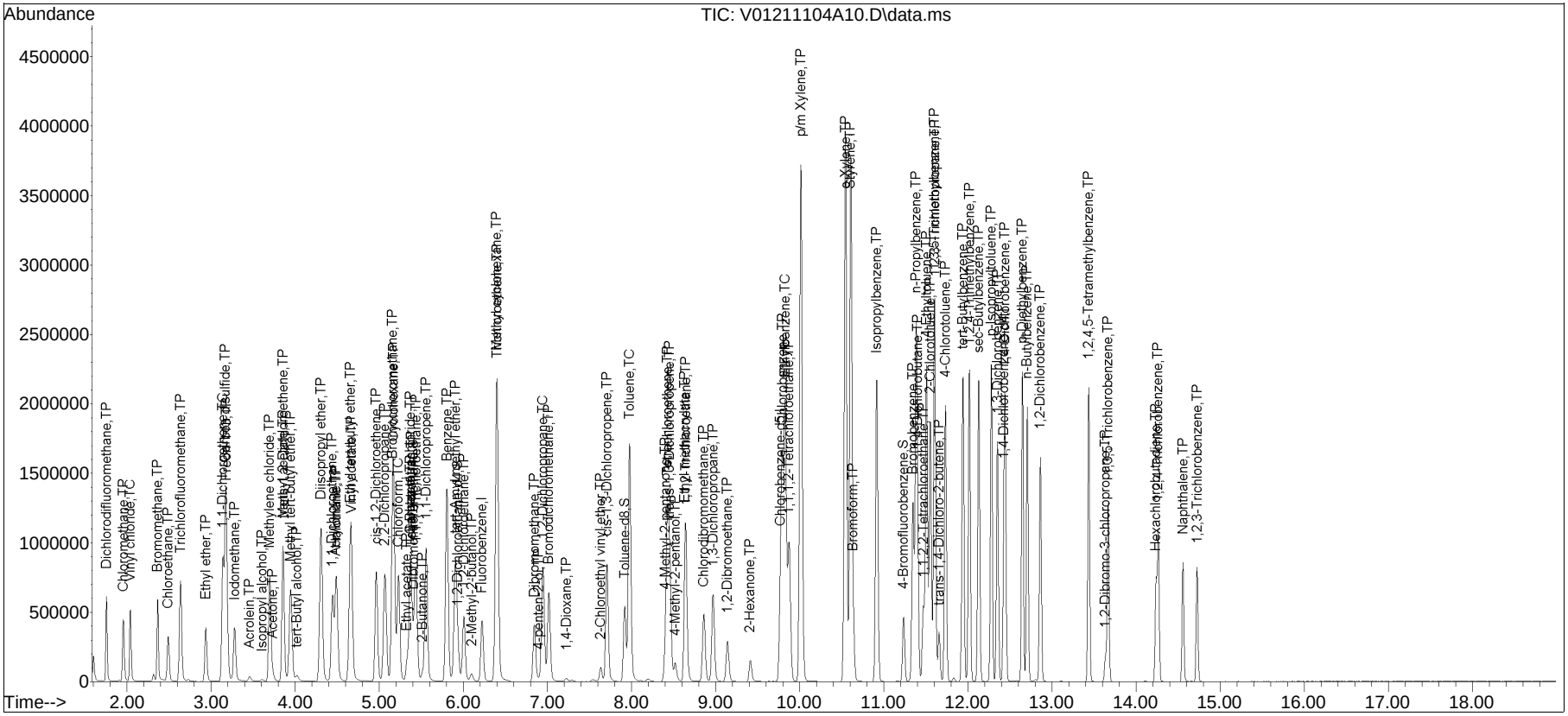
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A10.D
Acq On : 4 Nov 2021 12:41 pm
Operator : VOA101:NLK
Sample : I8260STD30PPB
Misc : WG1567338
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 04 13:43:47 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

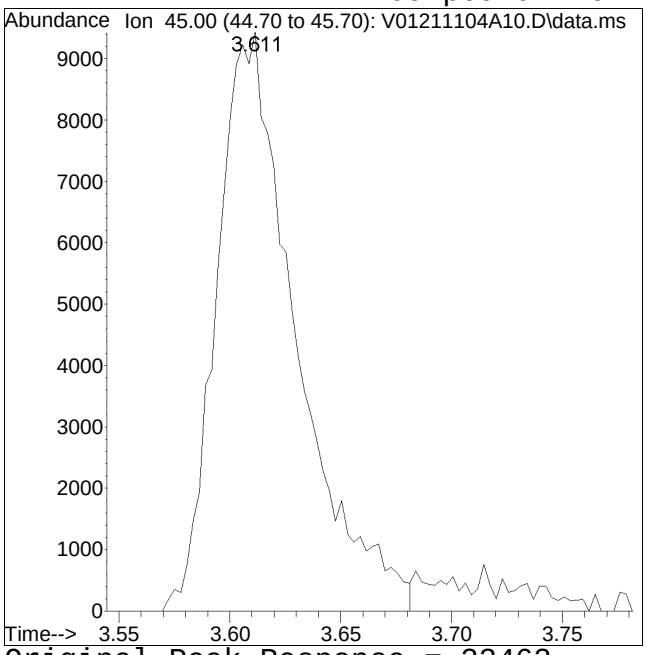
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

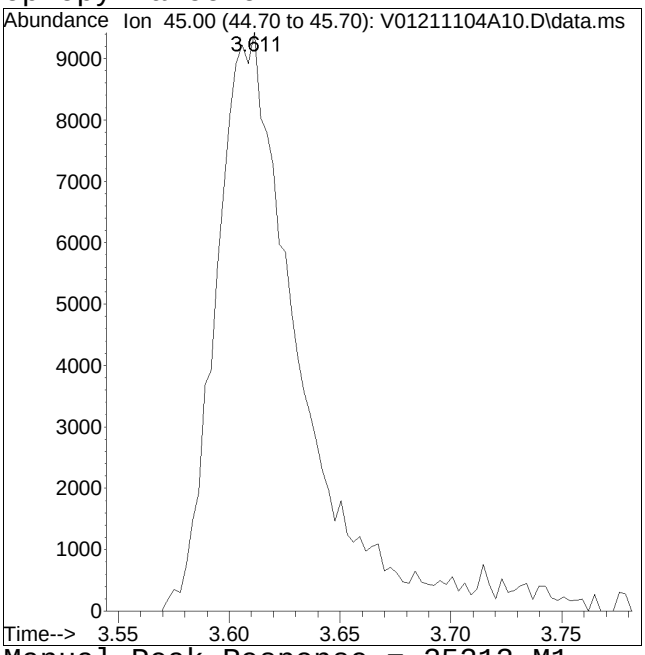


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A10.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:41 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 11/4/2021 1:34 pm

Compound #16: Isopropyl alcohol



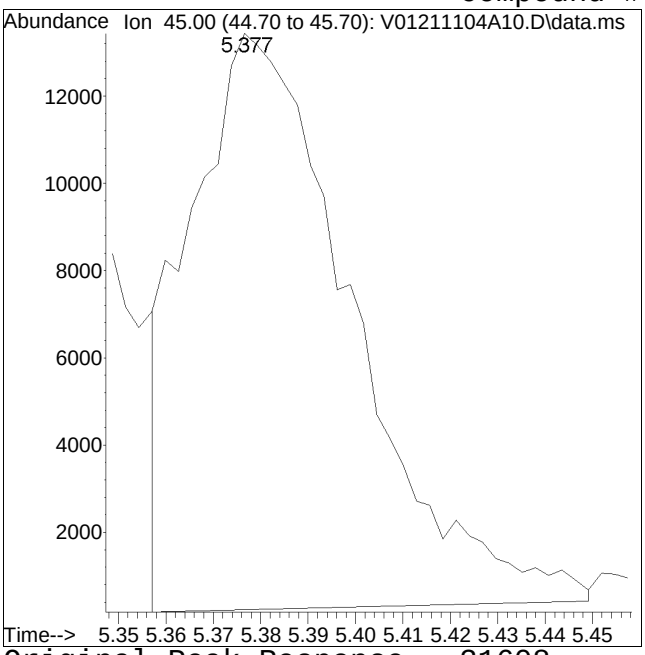


Original Peak Response = 23462 Manual Peak Response = 25213 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

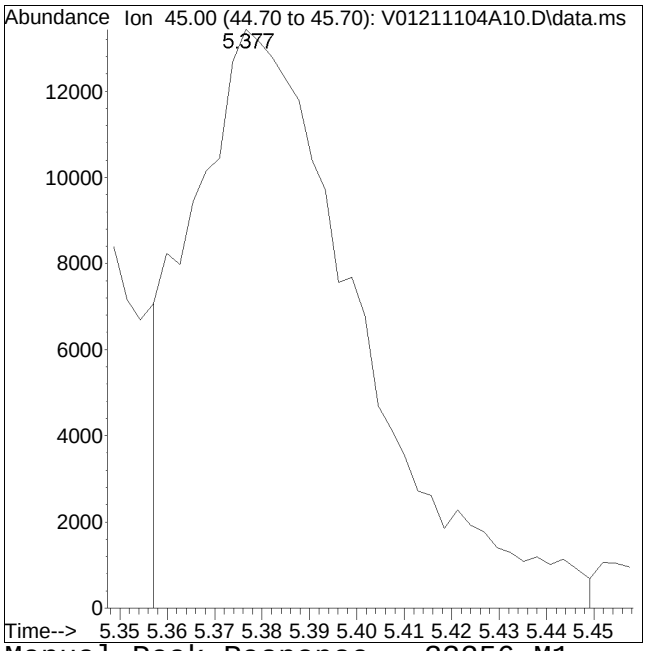
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A10.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:41 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 11/4/2021 1:34 pm

Compound #38: 2-Butanol



Original Peak Response = 31608



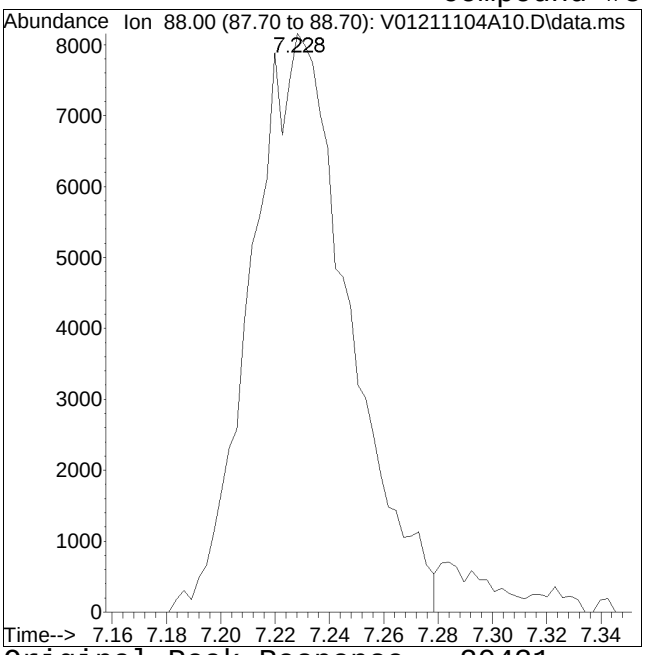
Manual Peak Response = 33256 M1

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

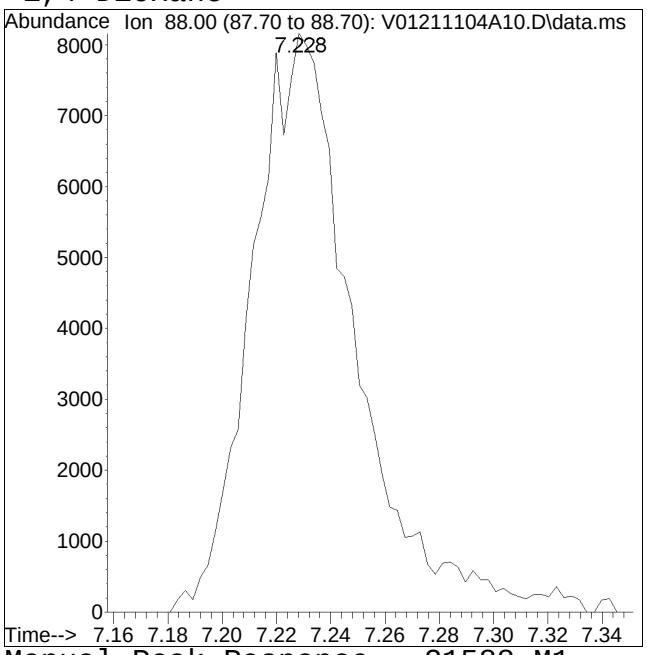
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A10.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:41 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 11/4/2021 1:34 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 20431



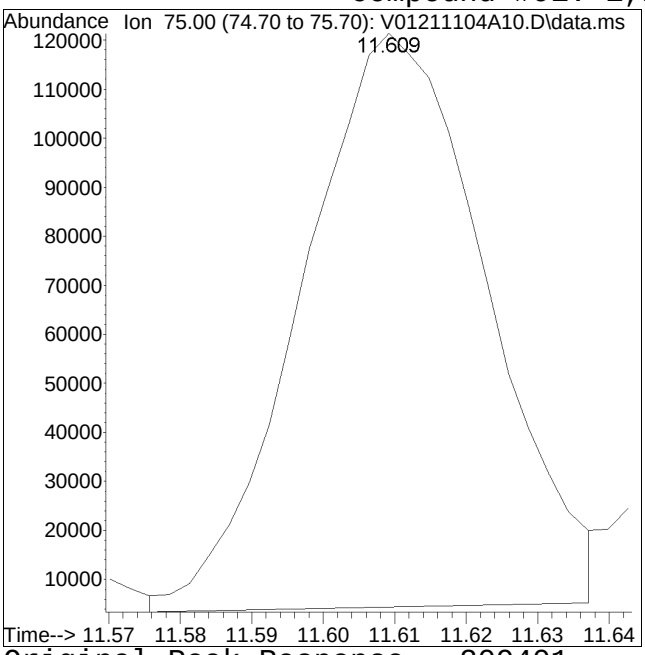
Manual Peak Response = 21588 M1

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

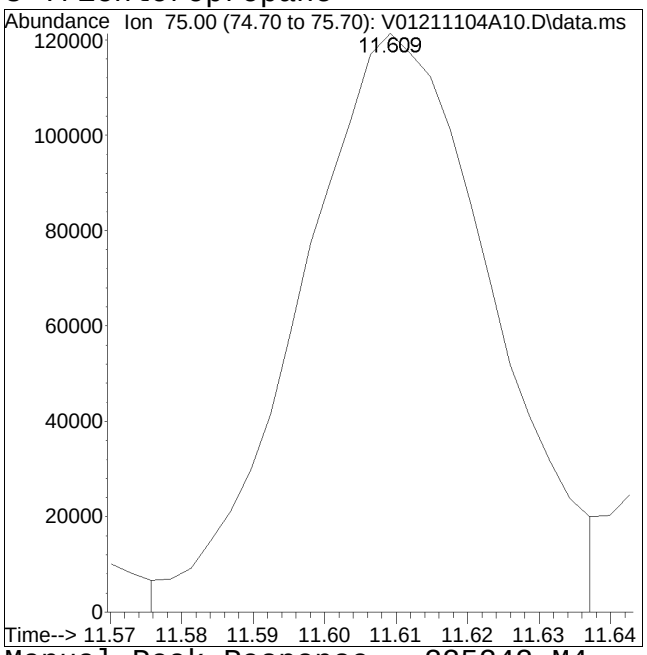
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A10.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 12:41 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 11/4/2021 1:34 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 209401



Manual Peak Response = 225242 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A11.D
Acq On : 4 Nov 2021 1:04 pm
Operator : VOA101:NLK
Sample : I8260STD80PPB
Misc : WG1567338
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:45:33 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	463153	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 101.01%			
59) Chlorobenzene-d5	9.774	117	366107	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 103.13%			
79) 1,4-Dichlorobenzene-d4	12.429	152	196411	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 105.66%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.410	113	119550	10.112	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.12%			
43) 1,2-Dichloroethane-d4	5.943	65	131731	10.055	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.55%			
60) Toluene-d8	7.920	98	447248	9.741	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.41%			
83) 4-Bromofluorobenzene	11.238	95	176895	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	1044900	80.236	ug/L	99
3) Chloromethane	1.960	50	1064424	76.542	ug/L	100
4) Vinyl chloride	2.044	62	1097328	79.398	ug/L	98
5) Bromomethane	2.370	94	793308	97.779	ug/L	100
6) Chloroethane	2.493	64	698853	78.267	ug/L	98
7) Trichlorofluoromethane	2.638	101	1612676	80.827	ug/L	98
8) Ethyl ether	2.939	74	404327	78.086	ug/L	98
10) 1,1-Dichloroethene	3.143	96	889431	79.403	ug/L	98
11) Carbon disulfide	3.176	76	2493571	83.071	ug/L	100
12) Freon-113	3.182	101	974508	80.827	ug/L	94
13) Iodomethane	3.285	142	1176551	82.419	ug/L	98
14) Acrolein	3.461	56	79198	83.088	ug/L	96
15) Methylene chloride	3.700	84	914266	79.309	ug/L	99
16) Isopropyl alcohol	3.606	45	77689M1	542.577	ug/L	
17) Acetone	3.734	43	191823	83.171	ug/L	93
18) trans-1,2-Dichloroethene	3.862	96	953198	79.800	ug/L	99
19) Methyl acetate	3.854	43	348609	79.912	ug/L	99
20) Methyl tert-butyl ether	3.951	73	1976858	78.989	ug/L	99
21) tert-Butyl alcohol	4.030	59	137831	502.982	ug/L #	78
22) Diisopropyl ether	4.311	45	2913926	80.625	ug/L	100
23) 1,1-Dichloroethane	4.445	63	1802496	79.428	ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A11.D
Acq On : 4 Nov 2021 1:04 pm
Operator : VOA101:NLK
Sample : I8260STD80PPB
Misc : WG1567338
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:45:33 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.495	117	753681	80.870	ug/L		100
25) Acrylonitrile	4.484	53	178666	83.893	ug/L		98
26) Ethyl tert-butyl ether	4.663	59	2659327	80.650	ug/L		95
27) Vinyl acetate	4.674	43	1629277	79.636	ug/L		100
28) cis-1,2-Dichloroethene	4.966	96	1039554	79.928	ug/L		100
29) 2,2-Dichloropropane	5.072	77	1499238	80.517	ug/L		98
30) Bromochloromethane	5.162	128	439148	78.114	ug/L		99
31) Cyclohexane	5.173	56	1758599	81.734	ug/L		92
32) Chloroform	5.231	83	1745542	81.327	ug/L		99
33) Ethyl acetate	5.332	43	529521	79.332	ug/L		99
34) Carbon tetrachloride	5.376	117	1511430	83.000	ug/L		98
35) Tetrahydrofuran	5.385	42	130708	75.894	ug/L	#	88
37) 1,1,1-Trichloroethane	5.441	97	1635019	80.683	ug/L		99
38) 2-Butanol	5.374	45	103905M1	538.140	ug/L		
39) 2-Butanone	5.516	43	226958	89.124	ug/L	#	50
40) 1,1-Dichloropropene	5.560	75	1359281	81.809	ug/L		98
41) Benzene	5.806	78	3707540	80.822	ug/L		98
42) tert-Amyl methyl ether	5.909	73	2223637	81.184	ug/L		99
44) 1,2-Dichloroethane	6.009	62	1166859	79.814	ug/L		100
46) 2-Methyl-2-butanol	6.099	59	120378	475.692	ug/L		93
47) Methyl cyclohexane	6.400	83	1690117	83.618	ug/L		98
48) Trichloroethene	6.405	95	1070216	83.062	ug/L		99
50) Dibromomethane	6.846	93	497781	79.509	ug/L		98
51) 1,2-Dichloropropane	6.952	63	962925	81.659	ug/L		98
52) 4-penten-2-ol	6.896	45	71651	631.569	ug/L	#	1
53) 2-Chloroethyl vinyl ether	7.635	63	123209	74.082	ug/L		99
54) Bromodichloromethane	7.022	83	1339862	83.107	ug/L		98
57) 1,4-Dioxane	7.223	88	27880M1	805.207	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	1498947	83.483	ug/L		93
61) Toluene	7.981	92	2393912	79.235	ug/L		100
62) 4-Methyl-2-pentanone	8.405	58	197986	84.424	ug/L		100
63) Tetrachloroethene	8.433	166	1095419	81.093	ug/L		96
65) trans-1,3-Dichloropropene	8.461	75	1273752	84.071	ug/L		98
66) 4-Methyl-2-pentanol	8.522	45	363829	524.506	ug/L		96
67) Ethyl methacrylate	8.642	69	905894	83.721	ug/L		94
68) 1,1,2-Trichloroethane	8.648	83	567899	77.994	ug/L		98
69) Chlorodibromomethane	8.865	129	890814	83.305	ug/L		98
70) 1,3-Dichloropropane	8.974	76	1165804	78.407	ug/L		100
71) 1,2-Dibromoethane	9.144	107	675770	78.599	ug/L		100
72) 2-Hexanone	9.414	43	358260	81.347	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A11.D
Acq On : 4 Nov 2021 1:04 pm
Operator : VOA101:NLK
Sample : I8260STD80PPB
Misc : WG1567338
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:45:33 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Chlorobenzene	9.794	112	2687554	81.252	ug/L	99
74) Ethylbenzene	9.833	91	4843228	82.112	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.877	131	1010164	83.591	ug/L	99
76) p/m Xylene	10.017	106	3823465	168.927	ug/L	98
77) o Xylene	10.547	106	3632127	168.985	ug/L	99
78) Styrene	10.611	104	6096906	173.194	ug/L	99
80) Bromoform	10.639	173	518824	86.980	ug/L	100
82) Isopropylbenzene	10.917	105	4720204	81.842	ug/L	100
84) Bromobenzene	11.350	156	1063559	80.140	ug/L	99
85) n-Propylbenzene	11.389	91	5506110	82.069	ug/L	100
86) 1,4-Dichlorobutane	11.403	55	1160110	79.536	ug/L	93
87) 1,1,2,2-Tetrachloroethane	11.472	83	703223	77.517	ug/L	99
88) 4-Ethyltoluene	11.511	105	4549732	83.355	ug/L	100
89) 2-Chlorotoluene	11.556	91	3151283	82.025	ug/L	98
90) 1,3,5-Trimethylbenzene	11.606	105	3741190	83.827	ug/L	100
91) 1,2,3-Trichloropropane	11.609	75	601264M4	79.772	ug/L	
92) trans-1,4-Dichloro-2-b...	11.659	53	229505	83.998	ug/L	83
93) 4-Chlorotoluene	11.737	91	3240987	82.923	ug/L	99
94) tert-Butylbenzene	11.944	119	3148326	82.581	ug/L	99
97) 1,2,4-Trimethylbenzene	12.019	105	3600186	83.763	ug/L	100
98) sec-Butylbenzene	12.131	105	4382969	84.340	ug/L	100
99) p-Isopropyltoluene	12.281	119	3799759	85.510	ug/L	99
100) 1,3-Dichlorobenzene	12.354	146	1978521	83.434	ug/L	100
101) 1,4-Dichlorobenzene	12.446	146	1983791	82.835	ug/L	99
102) p-Diethylbenzene	12.652	119	2141172	86.294	ug/L	99
103) n-Butylbenzene	12.708	91	2978700	84.424	ug/L	99
104) 1,2-Dichlorobenzene	12.864	146	1739854	82.681	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.438	119	2926867	85.716	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.636	155	96713	86.616	ug/L	98
107) 1,3,5-Trichlorobenzene	13.670	180	1001772	83.503	ug/L	97
108) Hexachlorobutadiene	14.242	225	338058	84.572	ug/L	98
109) 1,2,4-Trichlorobenzene	14.267	180	791117	81.590	ug/L	98
110) Naphthalene	14.557	128	1633879	82.098	ug/L	100
111) 1,2,3-Trichlorobenzene	14.727	180	590019	81.340	ug/L	98

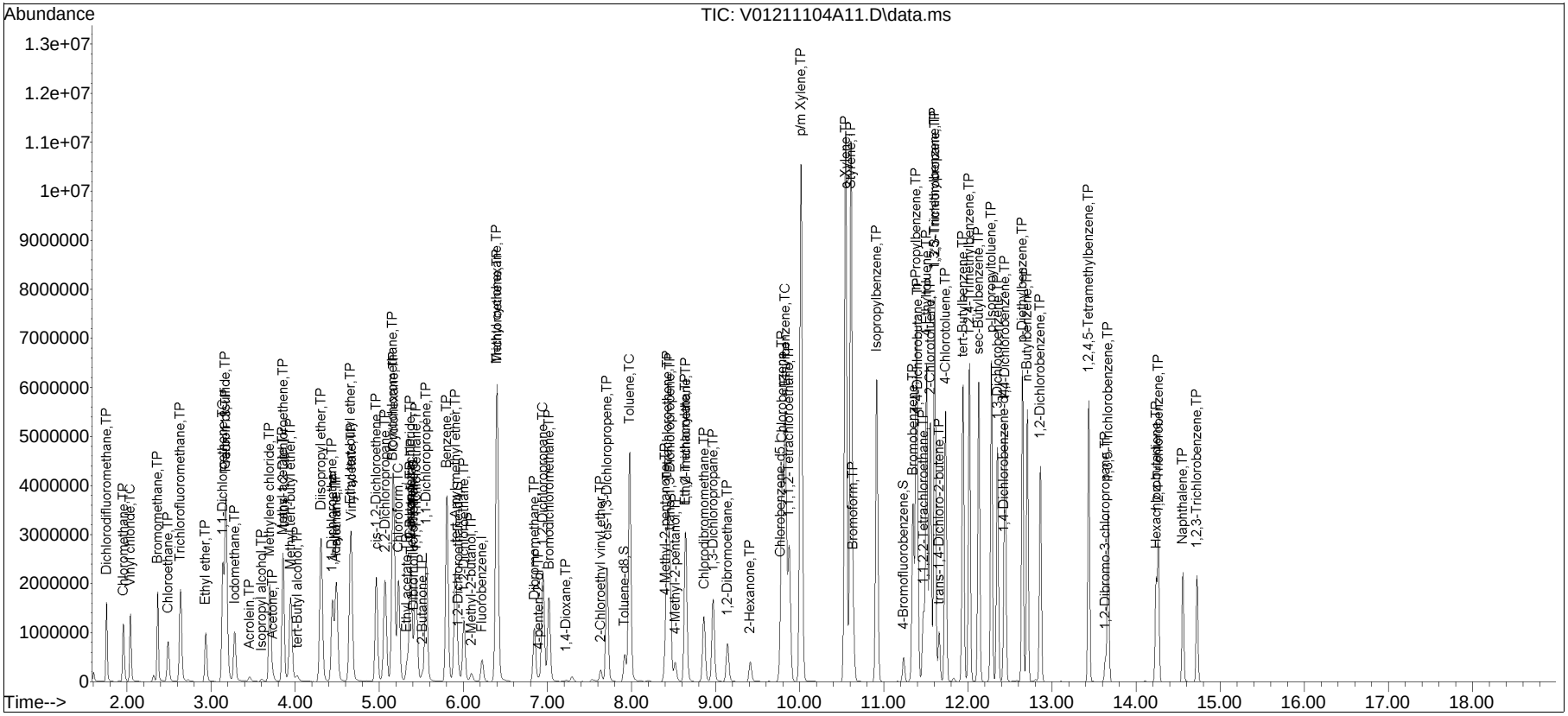
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A11.D
Acq On : 4 Nov 2021 1:04 pm
Operator : VOA101:NLK
Sample : I8260STD80PPB
Misc : WG1567338
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 04 13:45:33 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:33:47 2021
Response via : Initial Calibration

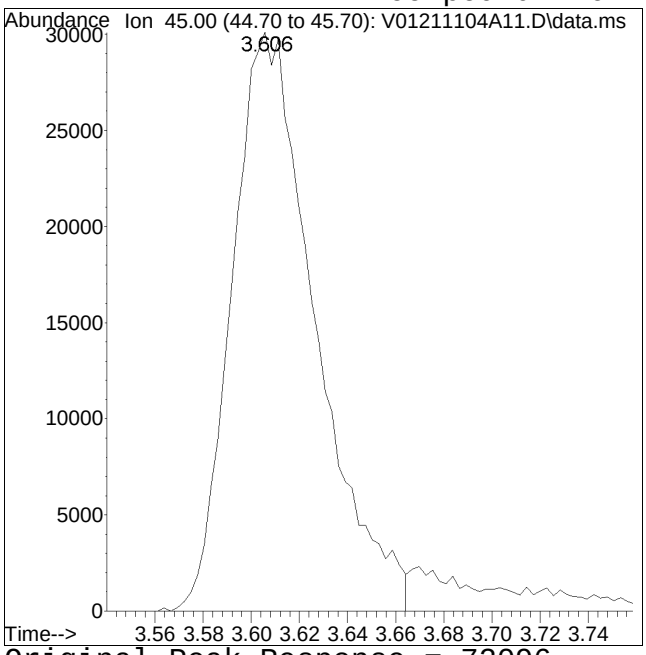
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

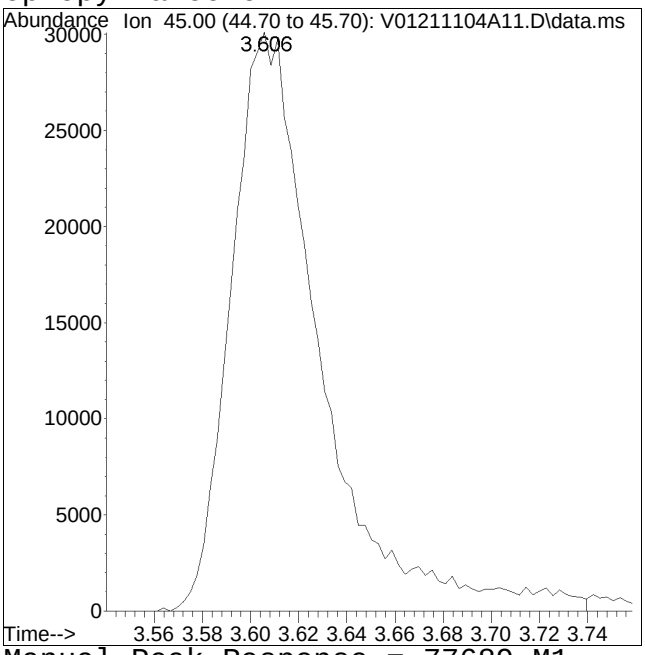


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A11.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:04 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 11/4/2021 1:35 pm

Compound #16: Isopropyl alcohol



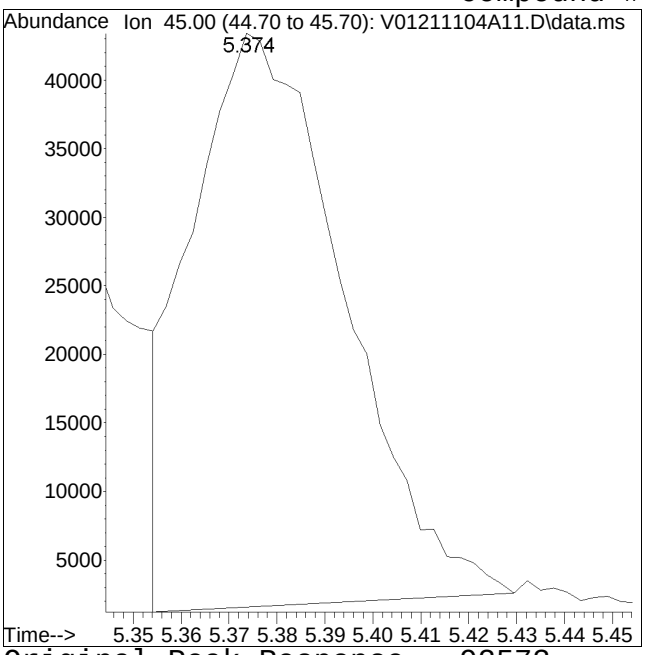


Original Peak Response = 72096 Manual Peak Response = 77689 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

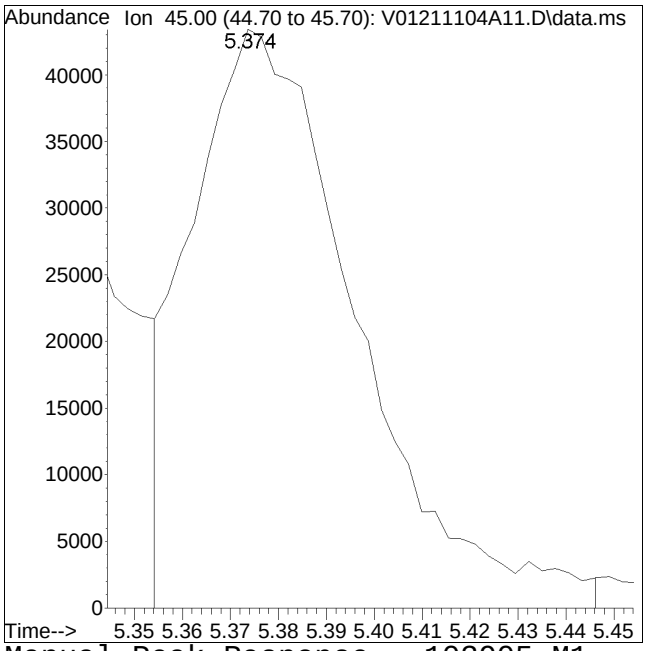
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A11.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:04 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 11/4/2021 1:35 pm

Compound #38: 2-Butanol



Original Peak Response = 92573



Manual Peak Response = 103905 M1

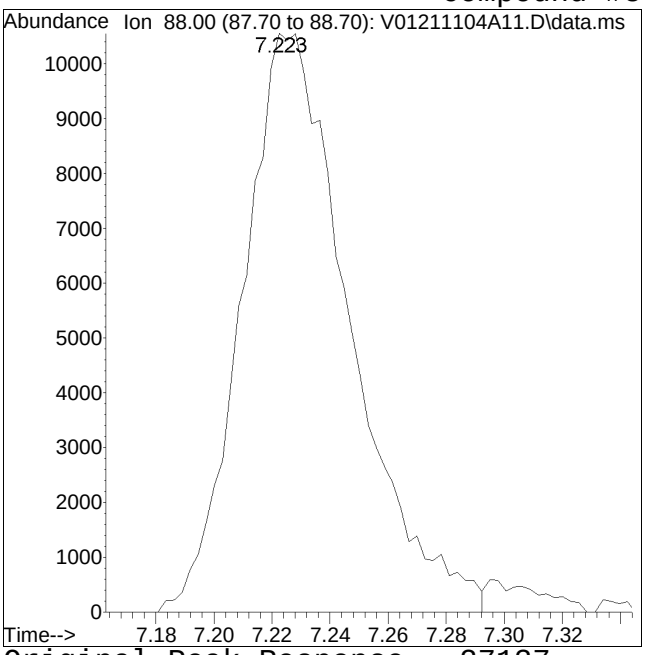
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

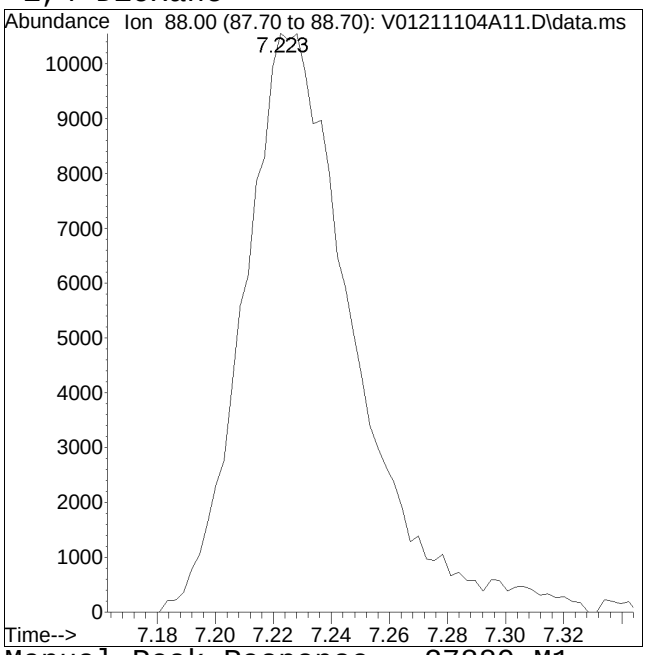
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A11.D
Date Inj'd : 11/4/2021 1:04 pm
Sample : I8260STD80PPB

Method : V101_211104A_8260D.m
Operator : VOA101:NLK
Instrument : VOA 101
Quant Date : 11/4/2021 1:35 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 27137



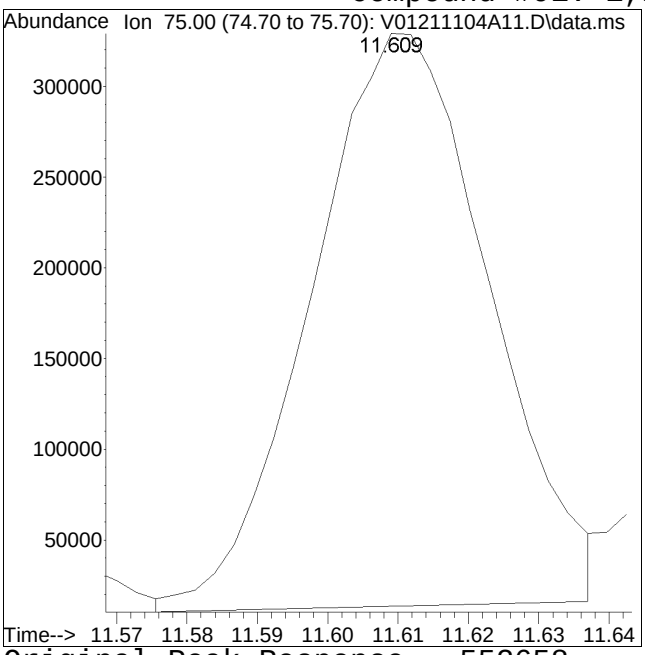
Manual Peak Response = 27880 M1

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

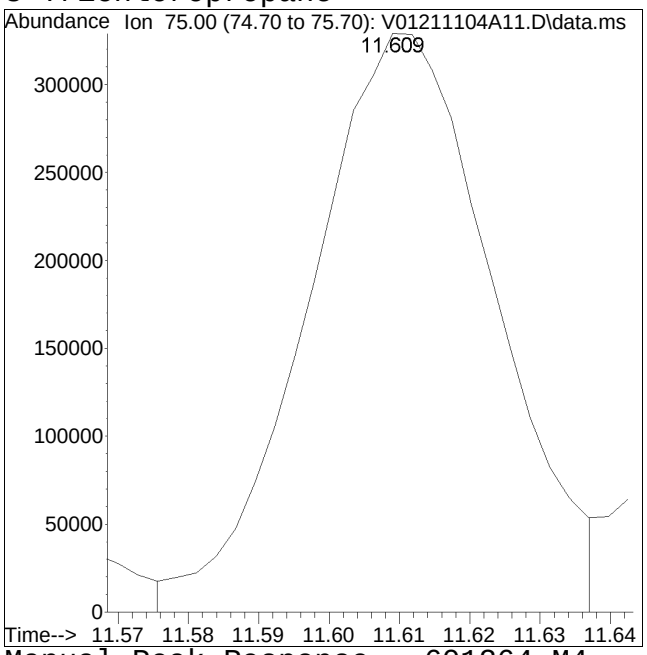
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A11.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:04 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 11/4/2021 1:35 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 552658



Manual Peak Response = 601264 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A12.D
Acq On : 4 Nov 2021 1:27 pm
Operator : VOA101:NLK
Sample : I8260STD120PPB
Misc : WG1567338
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 14:29:03 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:48:21 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	469462	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 102.38%			
59) Chlorobenzene-d5	9.774	117	377231	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 106.26%			
79) 1,4-Dichlorobenzene-d4	12.432	152	206738	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 111.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.413	113	122903	10.255	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%			
43) 1,2-Dichloroethane-d4	5.937	65	136456	10.276	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.76%			
60) Toluene-d8	7.923	98	456574	9.651	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.51%			
83) 4-Bromofluorobenzene	11.238	95	182755	9.615	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	1664660	126.109	ug/L	99
3) Chloromethane	1.961	50	1694797	120.235	ug/L	100
4) Vinyl chloride	2.044	62	1763980	125.918	ug/L	98
5) Bromomethane	2.368	94	1342614	163.260	ug/L	100
6) Chloroethane	2.490	64	1123463	124.130	ug/L	98
7) Trichlorofluoromethane	2.641	101	2586225	127.879	ug/L	99
8) Ethyl ether	2.939	74	645879	123.060	ug/L	98
10) 1,1-Dichloroethene	3.143	96	1425338	125.535	ug/L	99
11) Carbon disulfide	3.176	76	4008163	131.733	ug/L	100
12) Freon-113	3.179	101	1556685	127.378	ug/L	94
13) Iodomethane	3.282	142	1825712	126.174	ug/L	99
14) Acrolein	3.458	56	131689	136.300	ug/L	95
15) Methylene chloride	3.701	84	1459509	124.906	ug/L	99
16) Isopropyl alcohol	3.609	45	133766M1	921.662	ug/L	
17) Acetone	3.734	43	322230	137.836	ug/L	94
18) trans-1,2-Dichloroethene	3.860	96	1524122	125.881	ug/L	99
19) Methyl acetate	3.857	43	575614	130.175	ug/L	100
20) Methyl tert-butyl ether	3.949	73	3188723	125.699	ug/L	99
21) tert-Butyl alcohol	4.030	59	238856	859.936	ug/L #	79
22) Diisopropyl ether	4.309	45	4647645	126.867	ug/L	100
23) 1,1-Dichloroethane	4.445	63	2868977	124.723	ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A12.D
Acq On : 4 Nov 2021 1:27 pm
Operator : VOA101:NLK
Sample : I8260STD120PPB
Misc : WG1567338
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 14:29:03 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:48:21 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.493	117	1207326	127.805	ug/L		99
25) Acrylonitrile	4.484	53	297643	137.880	ug/L		98
26) Ethyl tert-butyl ether	4.663	59	4289516	128.341	ug/L		94
27) Vinyl acetate	4.674	43	2516193	121.334	ug/L		100
28) cis-1,2-Dichloroethene	4.967	96	1659835	125.904	ug/L		99
29) 2,2-Dichloropropane	5.070	77	2369877	125.565	ug/L		97
30) Bromochloromethane	5.162	128	682229	119.722	ug/L		98
31) Cyclohexane	5.170	56	2800682	128.417	ug/L		92
32) Chloroform	5.232	83	2784304	127.982	ug/L		99
33) Ethyl acetate	5.329	43	871284	128.780	ug/L	#	96
34) Carbon tetrachloride	5.374	117	2430170	131.659	ug/L		98
35) Tetrahydrofuran	5.382	42	221130	126.671	ug/L		89
37) 1,1,1-Trichloroethane	5.438	97	2606052	126.872	ug/L		99
38) 2-Butanol	5.377	45	174342	890.809	ug/L	#	87
39) 2-Butanone	5.519	43	366710	142.068	ug/L	#	54
40) 1,1-Dichloropropene	5.561	75	2176429	129.228	ug/L		99
41) Benzene	5.809	78	5900156	126.891	ug/L		98
42) tert-Amyl methyl ether	5.909	73	3591772	129.372	ug/L		98
44) 1,2-Dichloroethane	6.010	62	1881619	126.974	ug/L		100
46) 2-Methyl-2-butanol	6.099	59	199906	779.343	ug/L		94
47) Methyl cyclohexane	6.403	83	2674605	130.547	ug/L		99
48) Trichloroethene	6.403	95	1748167	133.856	ug/L		100
50) Dibromomethane	6.846	93	805734	126.967	ug/L		99
51) 1,2-Dichloropropane	6.947	63	1518734	127.063	ug/L		98
52) 4-penten-2-ol	6.894	45	128210	1114.922	ug/L	#	1
53) 2-Chloroethyl vinyl ether	7.638	63	182411	108.204	ug/L		98
54) Bromodichloromethane	7.022	83	2153927	131.805	ug/L		99
57) 1,4-Dioxane	7.223	88	37785	1076.610	ug/L		96
58) cis-1,3-Dichloropropene	7.711	75	2394777	131.583	ug/L		93
61) Toluene	7.981	92	3847124	123.580	ug/L		99
62) 4-Methyl-2-pentanone	8.408	58	327089	135.363	ug/L		99
63) Tetrachloroethene	8.433	166	1752698	125.925	ug/L		96
65) trans-1,3-Dichloropropene	8.458	75	2076219	132.995	ug/L		98
66) 4-Methyl-2-pentanol	8.522	45	603533	844.413	ug/L		97
67) Ethyl methacrylate	8.642	69	1481852	132.911	ug/L		93
68) 1,1,2-Trichloroethane	8.648	83	920777	122.728	ug/L		99
69) Chlorodibromomethane	8.862	129	1451559	131.740	ug/L		98
70) 1,3-Dichloropropane	8.974	76	1878268	122.598	ug/L		100
71) 1,2-Dibromoethane	9.144	107	1093011	123.380	ug/L		99
72) 2-Hexanone	9.415	43	595435	131.214	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A12.D
Acq On : 4 Nov 2021 1:27 pm
Operator : VOA101:NLK
Sample : I8260STD120PPB
Misc : WG1567338
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 14:29:03 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:48:21 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) Chlorobenzene	9.797	112	4322291	126.821	ug/L	99
74) Ethylbenzene	9.833	91	7800314	128.346	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.877	131	1636923	131.461	ug/L	99
76) p/m Xylene	10.020	106	6276439	269.126	ug/L	97
77) o Xylene	10.550	106	5966460	269.404	ug/L	98
78) Styrene	10.614	104	10087375	278.100	ug/L	99
80) Bromoform	10.642	173	861764	137.257	ug/L	100
82) Isopropylbenzene	10.920	105	7640680	125.862	ug/L	100
84) Bromobenzene	11.350	156	1724051	123.420	ug/L	99
85) n-Propylbenzene	11.392	91	8893234	125.934	ug/L	99
86) 1,4-Dichlorobutane	11.406	55	1910166	124.417	ug/L	93
87) 1,1,2,2-Tetrachloroethane	11.475	83	1142835	119.683	ug/L	99
88) 4-Ethyltoluene	11.514	105	7335742	127.684	ug/L	100
89) 2-Chlorotoluene	11.556	91	5056407	125.040	ug/L	98
90) 1,3,5-Trimethylbenzene	11.609	105	6092946	129.701	ug/L	100
91) 1,2,3-Trichloropropane	11.609	75	1006723M4	126.893	ug/L	
92) trans-1,4-Dichloro-2-b...	11.659	53	379268	131.877	ug/L	85
93) 4-Chlorotoluene	11.738	91	5261912	127.904	ug/L	99
94) tert-Butylbenzene	11.944	119	5105228	127.222	ug/L	99
97) 1,2,4-Trimethylbenzene	12.022	105	5868249	129.713	ug/L	100
98) sec-Butylbenzene	12.133	105	7072922	129.303	ug/L	99
99) p-Isopropyltoluene	12.281	119	6163850	131.783	ug/L	99
100) 1,3-Dichlorobenzene	12.354	146	3217975	128.922	ug/L	99
101) 1,4-Dichlorobenzene	12.446	146	3223923	127.893	ug/L	99
102) p-Diethylbenzene	12.652	119	3489973	133.627	ug/L	98
103) n-Butylbenzene	12.711	91	4790148	128.983	ug/L	99
104) 1,2-Dichlorobenzene	12.864	146	2832470	127.880	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.441	119	4775530	132.870	ug/L	98
106) 1,2-Dibromo-3-chloropr...	13.637	155	163035	138.720	ug/L	99
107) 1,3,5-Trichlorobenzene	13.670	180	1608269	127.361	ug/L	97
108) Hexachlorobutadiene	14.239	225	536779	127.578	ug/L	98
109) 1,2,4-Trichlorobenzene	14.267	180	1299194	127.296	ug/L	98
110) Naphthalene	14.557	128	2725053	130.087	ug/L	100
111) 1,2,3-Trichlorobenzene	14.727	180	978039	128.097	ug/L	99

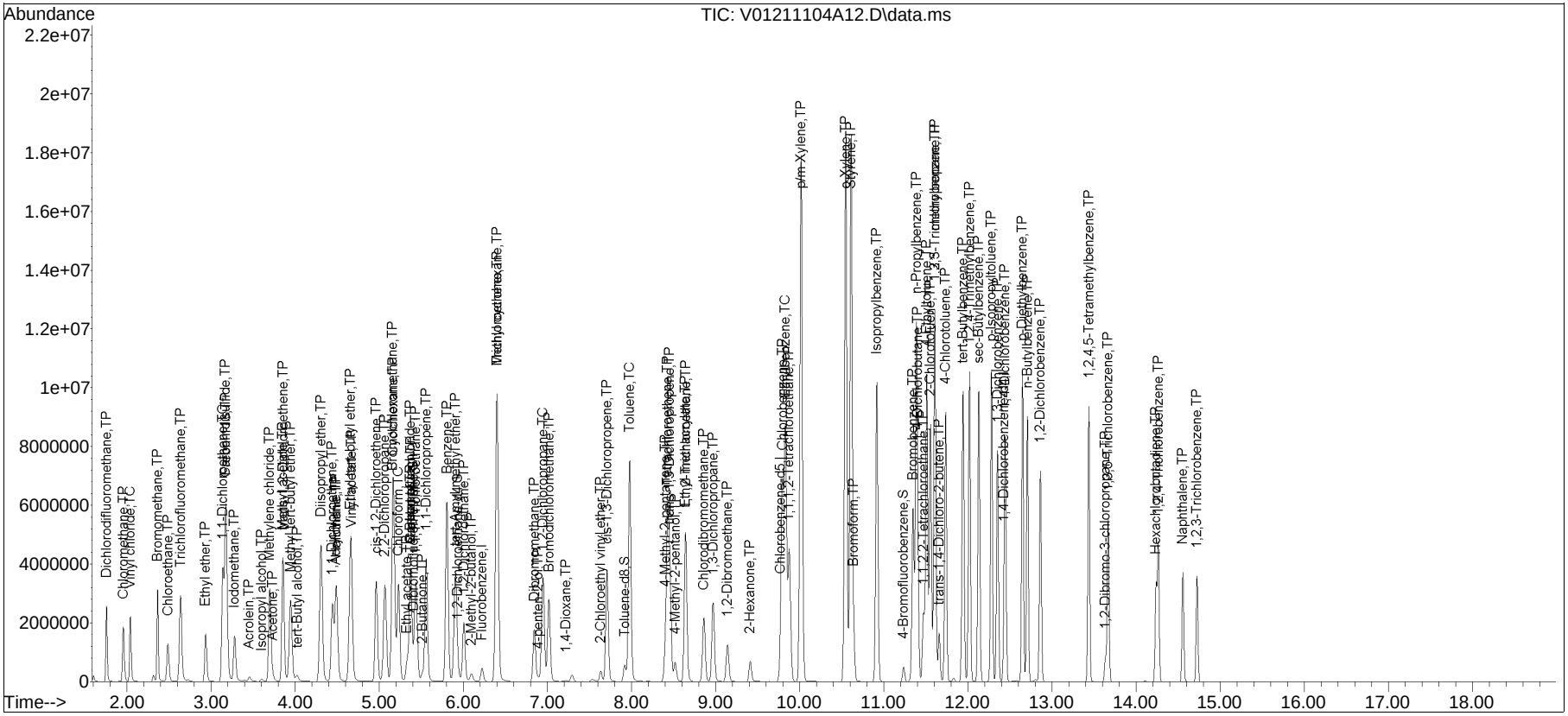
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A12.D
Acq On : 4 Nov 2021 1:27 pm
Operator : VOA101:NLK
Sample : I8260STD120PPB
Misc : WG1567338
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 14:29:03 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 13:48:21 2021
Response via : Initial Calibration

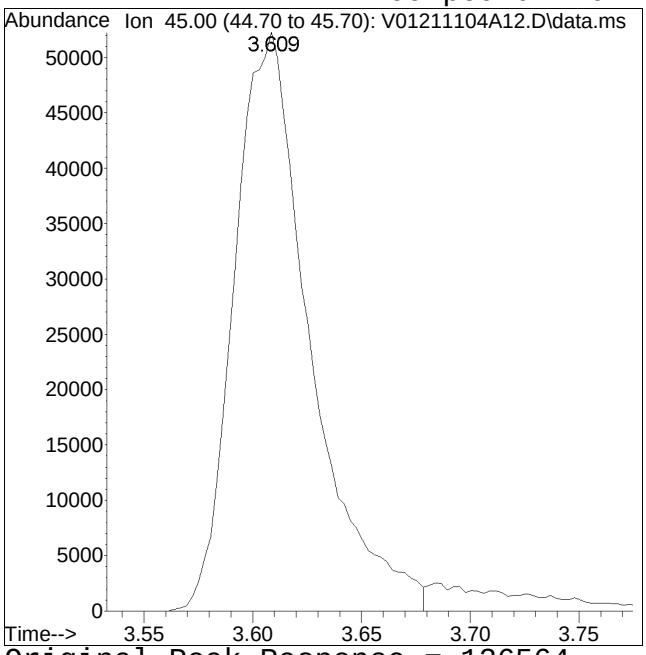
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

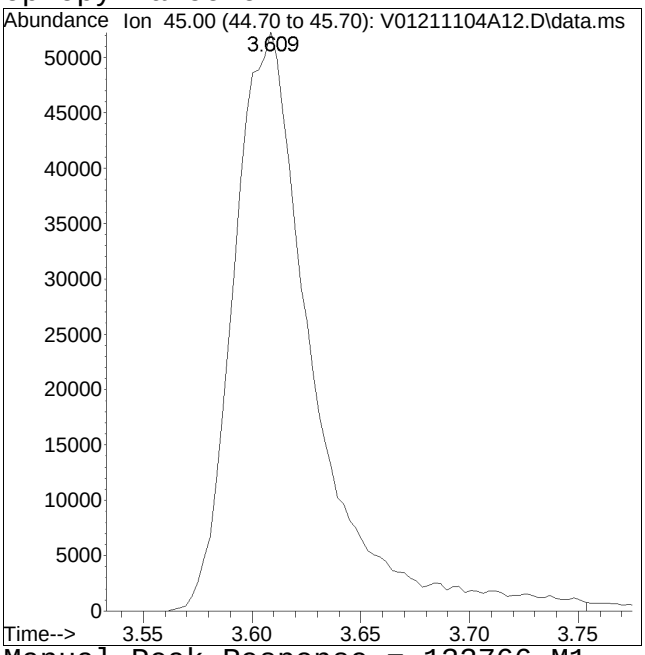


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A12.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:27 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 11/4/2021 2:28 pm

Compound #16: Isopropyl alcohol

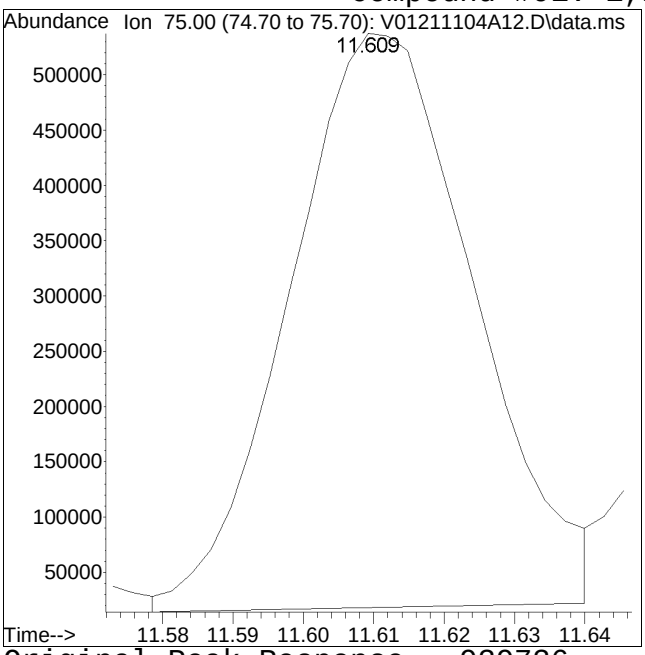




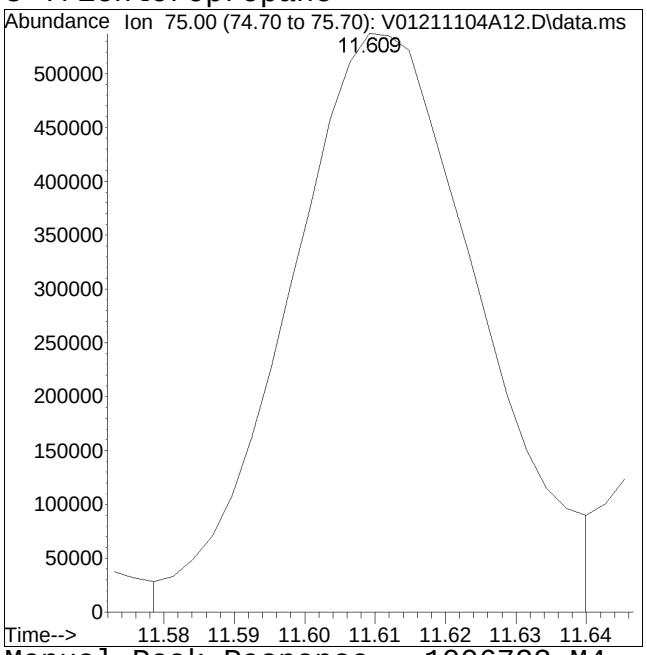
Original Peak Response = 126564 Manual Peak Response = 133766 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A12.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:27 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 11/4/2021 2:28 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 939736



Manual Peak Response = 1006723 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A13.D
Acq On : 4 Nov 2021 1:50 pm
Operator : VOA101:NLK
Sample : I8260STD200PPB
Misc : WG1567338
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 14:30:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:29:10 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	488131	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 106.45%			
59) Chlorobenzene-d5	9.777	117	398155	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 112.16%			
79) 1,4-Dichlorobenzene-d4	12.432	152	215007	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 115.66%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.410	113	129414	10.255	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%			
43) 1,2-Dichloroethane-d4	5.937	65	150926	10.782	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.82%			
60) Toluene-d8	7.923	98	471108	9.602	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.02%			
83) 4-Bromofluorobenzene	11.238	95	188946	9.746	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	2887689	205.172	ug/L	99
3) Chloromethane	1.958	50	2959919	201.758	ug/L	100
4) Vinyl chloride	2.041	62	3096184	207.447	ug/L	98
5) Bromomethane	2.365	94	2437898	241.565	ug/L	100
6) Chloroethane	2.482	64	2017944	210.805	ug/L	98
7) Trichlorofluoromethane	2.638	101	4602407	211.911	ug/L	99
8) Ethyl ether	2.939	74	1134938	205.353	ug/L	97
10) 1,1-Dichloroethene	3.143	96	2523496	208.935	ug/L	97
11) Carbon disulfide	3.174	76	7128141	214.813	ug/L	100
12) Freon-113	3.179	101	2765361	211.135	ug/L	93
13) Iodomethane	3.282	142	3088528	200.135	ug/L	98
14) Acrolein	3.458	56	230759	215.096	ug/L	96
15) Methylene chloride	3.701	84	2579964	208.097	ug/L	99
16) Isopropyl alcohol	3.606	45	228106M1	1192.037	ug/L	
17) Acetone	3.731	43	555152	212.589	ug/L	93
18) trans-1,2-Dichloroethene	3.860	96	2685736	208.235	ug/L	99
19) Methyl acetate	3.854	43	1036601	216.291	ug/L	100
20) Methyl tert-butyl ether	3.949	73	5658576	209.553	ug/L	99
21) tert-Butyl alcohol	4.024	59	419887	1195.016	ug/L	99
22) Diisopropyl ether	4.311	45	8237940	210.255	ug/L	99
23) 1,1-Dichloroethane	4.445	63	5072520	207.991	ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A13.D
Acq On : 4 Nov 2021 1:50 pm
Operator : VOA101:NLK
Sample : I8260STD200PPB
Misc : WG1567338
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 14:30:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:29:10 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.490	117	2131578	210.179	ug/L		99
25) Acrylonitrile	4.484	53	530965	220.155	ug/L		98
26) Ethyl tert-butyl ether	4.660	59	7697809	214.067	ug/L		94
27) Vinyl acetate	4.671	43	4478278	206.541	ug/L		99
28) cis-1,2-Dichloroethene	4.967	96	2932557	208.800	ug/L		99
29) 2,2-Dichloropropane	5.070	77	4148911	206.627	ug/L		98
30) Bromochloromethane	5.162	128	1203210	203.307	ug/L		99
31) Cyclohexane	5.173	56	5019318	213.844	ug/L		92
32) Chloroform	5.232	83	4935720	211.172	ug/L		99
33) Ethyl acetate	5.332	43	1528212	209.572	ug/L		96
34) Carbon tetrachloride	5.374	117	4327600	215.043	ug/L		98
35) Tetrahydrofuran	5.379	42	385197	206.476	ug/L	#	82
37) 1,1,1-Trichloroethane	5.438	97	4590284	208.942	ug/L		99
38) 2-Butanol	5.377	45	300179	1187.370	ug/L	#	90
39) 2-Butanone	5.513	43	648783	221.378	ug/L	#	54
40) 1,1-Dichloropropene	5.558	75	3841762	211.262	ug/L		99
41) Benzene	5.806	78	10467165	210.459	ug/L		98
42) tert-Amyl methyl ether	5.909	73	6431991	214.439	ug/L		98
44) 1,2-Dichloroethane	6.007	62	3361525	212.003	ug/L		100
46) 2-Methyl-2-butanol	6.096	59	357892	1167.422	ug/L		93
47) Methyl cyclohexane	6.403	83	4915839	221.050	ug/L		99
48) Trichloroethene	6.406	95	3161692	220.121	ug/L		99
50) Dibromomethane	6.846	93	1427362	210.218	ug/L		99
51) 1,2-Dichloropropane	6.952	63	2731641	213.515	ug/L		98
52) 4-penten-2-ol	6.894	45	232890	1362.932	ug/L	#	1
53) 2-Chloroethyl vinyl ether	7.635	63	277594	166.554	ug/L		97
54) Bromodichloromethane	7.019	83	3853075	216.132	ug/L		99
57) 1,4-Dioxane	7.228	88	62040M1	1792.245	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	4303655	216.953	ug/L		93
61) Toluene	7.981	92	6879919	206.310	ug/L		99
62) 4-Methyl-2-pentanone	8.408	58	586083	215.974	ug/L		98
63) Tetrachloroethene	8.433	166	3140101	208.599	ug/L		95
65) trans-1,3-Dichloropropene	8.461	75	3773653	217.260	ug/L		94
66) 4-Methyl-2-pentanol	8.522	45	1098240	1209.473	ug/L		97
67) Ethyl methacrylate	8.645	69	2666239	215.008	ug/L		93
68) 1,1,2-Trichloroethane	8.645	83	1651416	206.201	ug/L		99
69) Chlorodibromomethane	8.862	129	2612284	214.150	ug/L		98
70) 1,3-Dichloropropane	8.974	76	3349025	204.892	ug/L		100
71) 1,2-Dibromoethane	9.144	107	1937706	204.357	ug/L		99
72) 2-Hexanone	9.415	43	1048543	209.148	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A13.D
Acq On : 4 Nov 2021 1:50 pm
Operator : VOA101:NLK
Sample : I8260STD200PPB
Misc : WG1567338
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 14:30:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:29:10 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.797	112	7829093	211.628	ug/L		99
74) Ethylbenzene	9.833	91	14126413	212.819	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.877	131	2967463	215.502	ug/L		99
76) p/m Xylene	10.022	106	11681774	447.427	ug/L	#	1
77) o Xylene	10.552	106	11061060	445.880	ug/L	#	1
78) Styrene	10.611	104	17701321M3	428.363	ug/L		
80) Bromoform	10.644	173	1563165	223.338	ug/L		100
82) Isopropylbenzene	10.920	105	13967818	215.963	ug/L		100
84) Bromobenzene	11.350	156	3100707	210.436	ug/L		99
85) n-Propylbenzene	11.389	91	15834537	210.401	ug/L		98
86) 1,4-Dichlorobutane	11.406	55	3504303	215.506	ug/L		93
87) 1,1,2,2-Tetrachloroethane	11.475	83	2027884	204.472	ug/L		99
88) 4-Ethyltoluene	11.514	105	13459708	218.277	ug/L		100
89) 2-Chlorotoluene	11.559	91	9209819	214.486	ug/L		98
90) 1,3,5-Trimethylbenzene	11.612	105	11331157	222.920	ug/L		100
91) 1,2,3-Trichloropropane	11.612	75	1842931M4	217.124	ug/L		
92) trans-1,4-Dichloro-2-b...	11.659	53	675412	215.170	ug/L		85
93) 4-Chlorotoluene	11.737	91	9616765	217.603	ug/L		99
94) tert-Butylbenzene	11.947	119	9332406	217.086	ug/L		99
97) 1,2,4-Trimethylbenzene	12.022	105	10791183	220.435	ug/L		100
98) sec-Butylbenzene	12.136	105	12876006	217.893	ug/L		99
99) p-Isopropyltoluene	12.284	119	11243769	220.329	ug/L		99
100) 1,3-Dichlorobenzene	12.357	146	5852160	217.359	ug/L		99
101) 1,4-Dichlorobenzene	12.449	146	5853556	216.170	ug/L		99
102) p-Diethylbenzene	12.655	119	6339730	220.865	ug/L		99
103) n-Butylbenzene	12.711	91	8596119	214.534	ug/L		100
104) 1,2-Dichlorobenzene	12.867	146	5102677	214.473	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.441	119	8616023	218.773	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.637	155	285172	216.428	ug/L		100
107) 1,3,5-Trichlorobenzene	13.670	180	2854475	210.888	ug/L		97
108) Hexachlorobutadiene	14.242	225	938412	207.893	ug/L		98
109) 1,2,4-Trichlorobenzene	14.267	180	2295126	209.850	ug/L		98
110) Naphthalene	14.560	128	4753923	209.411	ug/L		100
111) 1,2,3-Trichlorobenzene	14.730	180	1715088	208.943	ug/L		99

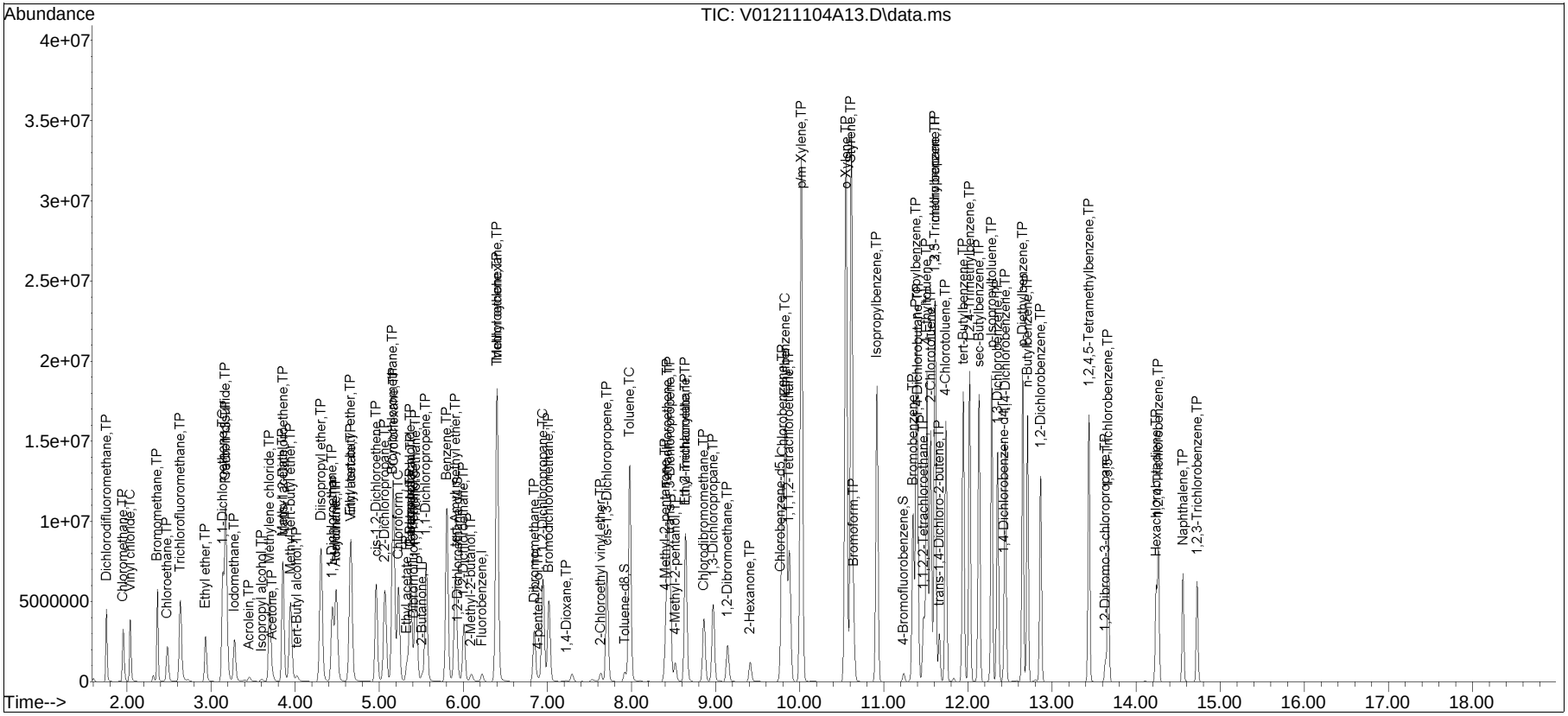
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A13.D
Acq On : 4 Nov 2021 1:50 pm
Operator : VOA101:NLK
Sample : I8260STD200PPB
Misc : WG1567338
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 14:30:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:29:10 2021
Response via : Initial Calibration

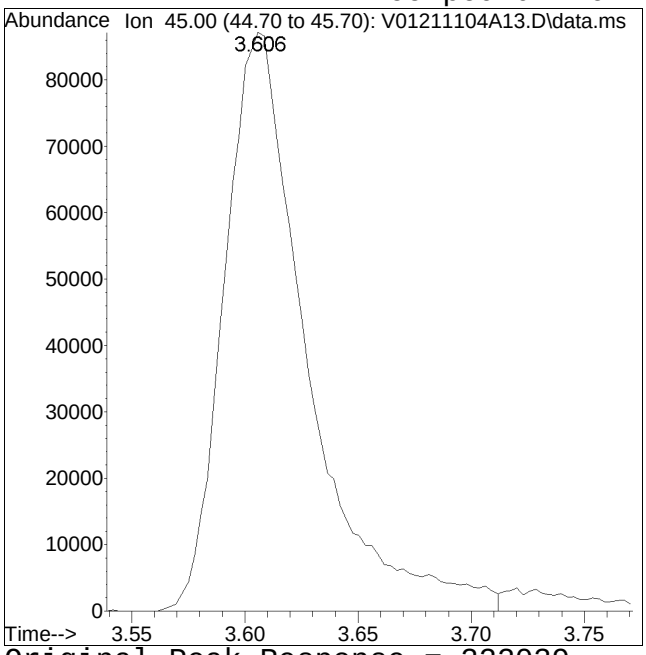
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

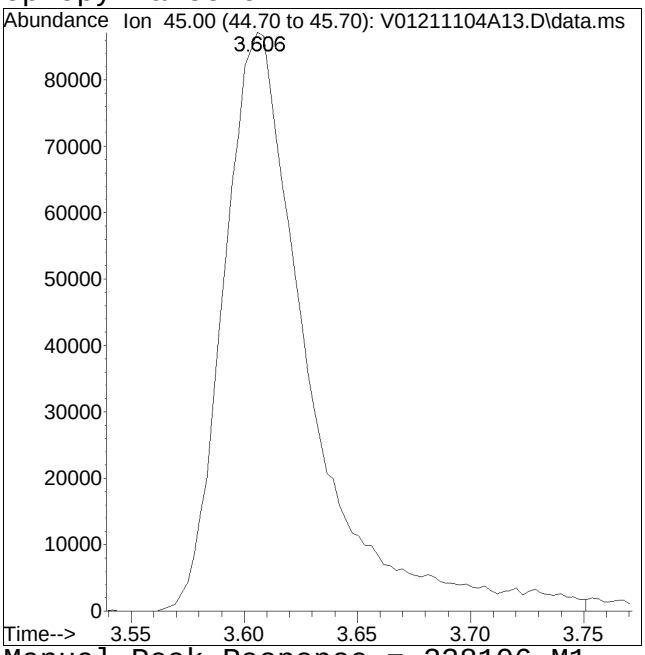


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A13.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:50 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 11/4/2021 2:29 pm

Compound #16: Isopropyl alcohol



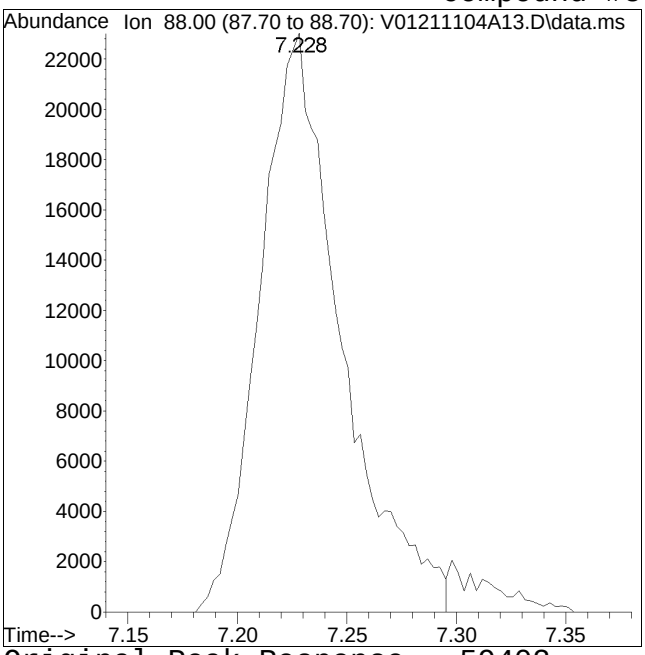


Original Peak Response = 222039 Manual Peak Response = 228106 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

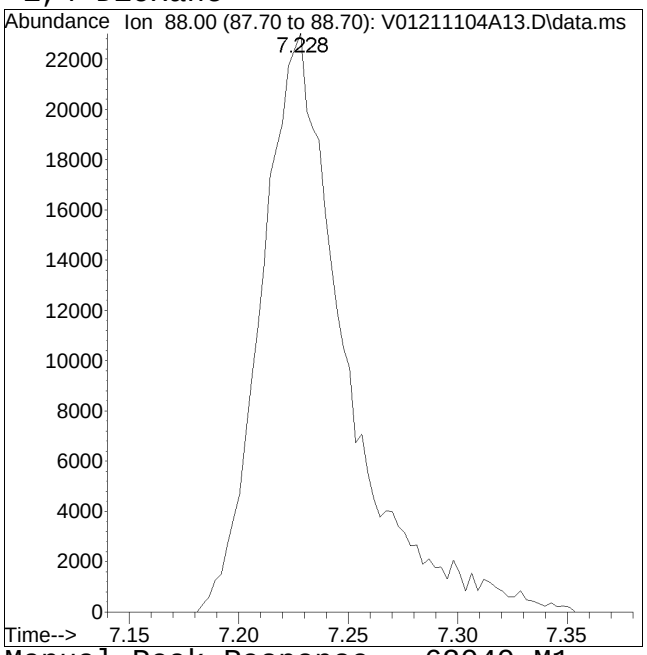
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A13.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:50 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 11/4/2021 2:29 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 59402



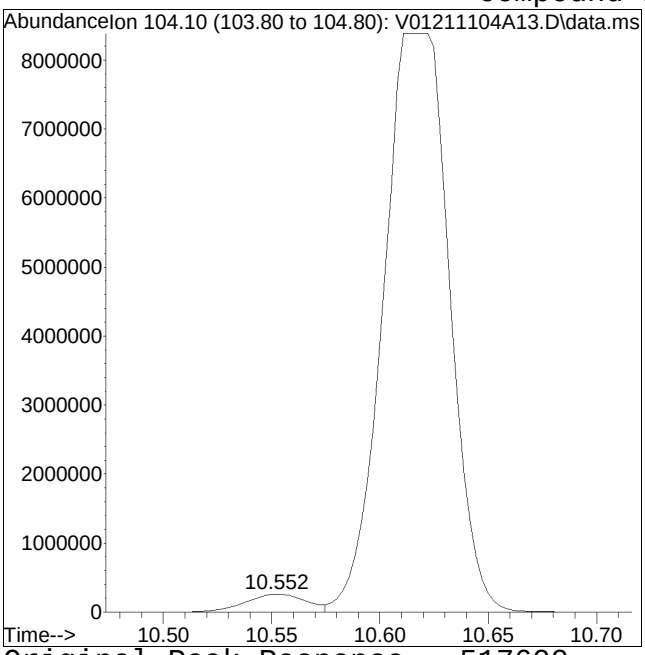
Manual Peak Response = 62040 M1

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

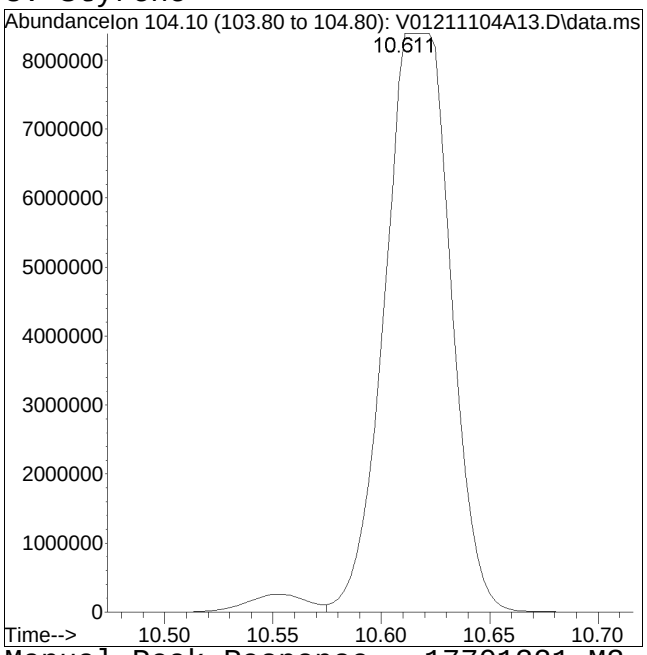
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A13.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:50 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 11/4/2021 2:29 pm

Compound #78: Styrene



Original Peak Response = 517600



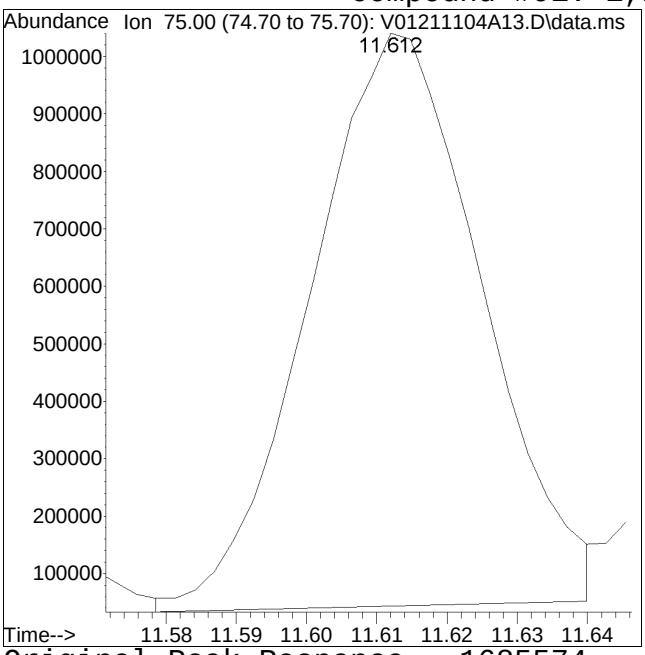
Manual Peak Response = 17701321 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

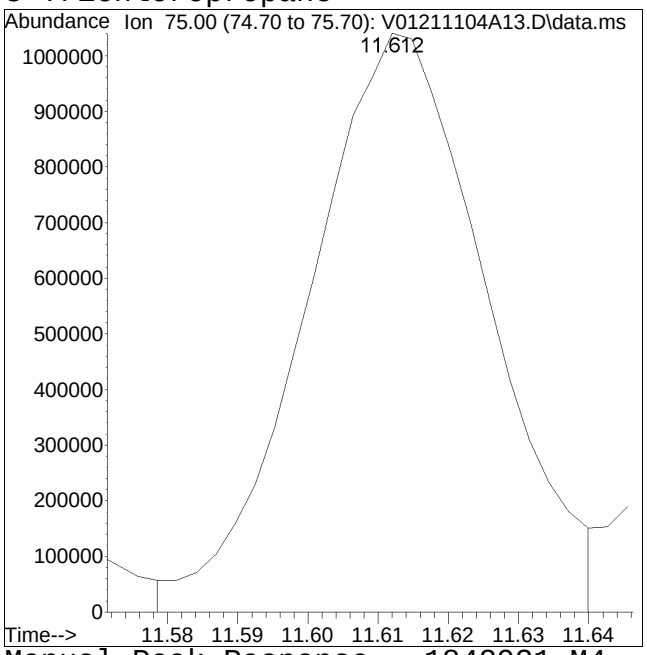
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A13.D Operator : VOA101:NLK
Date Inj'd : 11/4/2021 1:50 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 11/4/2021 2:29 pm

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 1685574



Manual Peak Response = 1842931 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TP	Dichlorodifluoromethane	0.266	0.319	-19.9	112	0.00
3	TP	Chloromethane	0.288	0.333	-15.6	110	0.00
4	TC	Vinyl chloride	0.274	0.319	-16.4	106	0.00
5	TP	Bromomethane	0.203	0.202	0.5	114	0.00
6	TP	Chloroethane	0.182	0.207	-13.7	106	0.00
7	TP	Trichlorofluoromethane	0.402	0.471	-17.2	108	0.00
8	TP	Ethyl ether	0.108	0.129	-19.4	114	0.00
10	TC	1,1-Dichloroethene	0.225	0.241	-7.1	99	0.00
11	TP	Carbon disulfide	0.634	0.332	47.6#	51	0.00
12	TP	Freon-113	0.244	0.240	1.6	91	0.00
13	TP	Iodomethane	0.297	0.245	17.5	79	0.00
14	TP	Acrolein	0.021	0.017	19.0	82	0.00
15	TP	Methylene chloride	0.250	0.268	-7.2	107	0.00
16	TP	Isopropyl alcohol	0.00407	0.00406#	0.2	130	0.00
17	TP	Acetone	0.053	0.042	20.8#	84	0.00
18	TP	trans-1,2-Dichloroethene	0.248	0.273	-10.1	105	0.00
19	TP	Methyl acetate	0.094	0.112	-19.1	117	0.00
20	TP	Methyl tert-butyl ether	0.531	0.595	-12.1	109	0.00
21	TP	tert-Butyl alcohol	0.00755	0.00956#	-26.6#	160	0.00
22	TP	Diisopropyl ether	0.768	0.826	-7.6	105	0.00
23	TP	1,1-Dichloroethane	0.471	0.509	-8.1	103	0.00
24	TP	Halothane	0.191	0.189	1.0	93	0.00
25	TP	Acrylonitrile	0.047	0.050	-6.4	107	0.00
26	TP	Ethyl tert-butyl ether	0.707	0.757	-7.1	105	0.00
27	TP	Vinyl acetate	0.416	0.344	17.3	77	0.00
28	TP	cis-1,2-Dichloroethene	0.273	0.288	-5.5	102	0.00
29	TP	2,2-Dichloropropane	0.382	0.381	0.3	94	0.00
30	TP	Bromochloromethane	0.117	0.132	-12.8	107	0.00
31	TP	Cyclohexane	0.440	0.428	2.7	91	0.00
32	TC	Chloroform	0.455	0.504	-10.8	108	0.00
33	TP	Ethyl acetate	0.139	0.122	12.2	83	0.00
34	TP	Carbon tetrachloride	0.374	0.406	-8.6	102	0.00
35	TP	Tetrahydrofuran	0.038	0.041	-7.9	110	0.00
36	S	Dibromofluoromethane	0.256	0.255	0.4	99	0.00
37	TP	1,1,1-Trichloroethane	0.416	0.471	-13.2	107	0.00
38	TP	2-Butanol	* 50.000	48.904	2.2	138	0.00
39	TP	2-Butanone	0.061	0.051	16.4	92	0.00
40	TP	1,1-Dichloropropene	0.343	0.372	-8.5	103	0.00

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TP	Benzene	0.976	1.052	-7.8	105	0.00
42	TP	tert-Amyl methyl ether	0.589	0.626	-6.3	105	0.00
43	S	1,2-Dichloroethane-d4	0.285	0.277	2.8	97	0.00
44	TP	1,2-Dichloroethane	0.314	0.350	-11.5	110	0.00
46	TP	2-Methyl-2-butanol	0.00681	0.00642#	5.7	116	0.00
47	TP	Methyl cyclohexane	0.417	0.391	6.2	89	0.00
48	TP	Trichloroethene	0.274	0.308	-12.4	110	0.00
50	TP	Dibromomethane	0.131	0.145	-10.7	106	0.00
51	TC	1,2-Dichloropropane	0.252	0.276	-9.5	107	0.00
52	TP	4-penten-2-ol	* 50.000	79.330	-58.7#	170	0.00
53	TP	2-Chloroethyl vinyl ether	0.031	0.043	-38.7#	119	0.00
54	TP	Bromodichloromethane	0.348	0.368	-5.7	104	0.00
57	TP	1,4-Dioxane	0.00074	0.00089#	-20.3#	117	0.00
58	TP	cis-1,3-Dichloropropene	0.383	0.415	-8.4	106	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
60	S	Toluene-d8	1.236	1.245	-0.7	98	0.00
61	TC	Toluene	0.802	0.872	-8.7	104	0.00
62	TP	4-Methyl-2-pentanone	0.066	0.075	-13.6	115	0.00
63	TP	Tetrachloroethene	0.352	0.396	-12.5	106	0.00
65	TP	trans-1,3-Dichloropropene	0.412	0.454	-10.2	108	0.00
66	TP	4-Methyl-2-pentanol	0.025	0.021	16.0	107	0.00
67	TP	Ethyl methacrylate	0.296	0.325	-9.8	108	0.00
68	TP	1,1,2-Trichloroethane	0.195	0.221	-13.3	110	0.00
69	TP	Chlorodibromomethane	0.292	0.325	-11.3	110	0.00
70	TP	1,3-Dichloropropane	0.395	0.444	-12.4	108	0.00
71	TP	1,2-Dibromoethane	0.226	0.256	-13.3	107	0.00
72	TP	2-Hexanone	0.121	0.117	3.3	96	0.00
73	TP	Chlorobenzene	0.895	0.990	-10.6	108	0.00
74	TC	Ethylbenzene	1.581	1.711	-8.2	105	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.328	0.360	-9.8	107	0.00
76	TP	p/m Xylene	0.623	0.656	-5.3	105	0.00
77	TP	o Xylene	0.593	0.645	-8.8	108	0.00
78	TP	Styrene	0.952	1.047	-10.0	107	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
80	TP	Bromoform	0.312	0.346	-10.9	112	0.00
82	TP	Isopropylbenzene	2.859	3.136	-9.7	105	0.00
83	S	4-Bromofluorobenzene	0.911	0.916	-0.5	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
84 TP	Bromobenzene	0.670	0.756	-12.8	110	0.00
85 TP	n-Propylbenzene	3.300	3.618	-9.6	104	0.00
86 TP	1,4-Dichlorobutane	0.739	0.814	-10.1	107	0.00
87 TP	1,1,2,2-Tetrachloroethane	0.449	0.494	-10.0	105	0.00
88 TP	4-Ethyltoluene	2.740	3.056	-11.5	108	0.00
89 TP	2-Chlorotoluene	1.933	2.098	-8.5	105	0.00
90 TP	1,3,5-Trimethylbenzene	2.269	2.393	-5.5	103	0.00
91 TP	1,2,3-Trichloropropane	0.387	0.424	-9.6	108	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.138	0.143	-3.6	101	0.00
93 TP	4-Chlorotoluene	1.993	2.157	-8.2	106	0.00
94 TP	tert-Butylbenzene	1.902	2.071	-8.9	105	0.00
97 TP	1,2,4-Trimethylbenzene	2.186	2.418	-10.6	108	0.00
98 TP	sec-Butylbenzene	2.612	2.814	-7.7	104	0.00
99 TP	p-Isopropyltoluene	2.259	2.398	-6.2	104	0.00
100 TP	1,3-Dichlorobenzene	1.218	1.347	-10.6	109	0.00
101 TP	1,4-Dichlorobenzene	1.236	1.383	-11.9	111	0.00
102 TP	p-Diethylbenzene	1.272	1.319	-3.7	102	0.00
103 TP	n-Butylbenzene	1.781	1.985	-11.5	108	0.00
104 TP	1,2-Dichlorobenzene	1.081	1.213	-12.2	111	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.768	1.907	-7.9	108	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.057	0.069	-21.1#	119	0.00
107 TP	1,3,5-Trichlorobenzene	0.613	0.611	0.3	98	0.00
108 TP	Hexachlorobutadiene	0.204	0.220	-7.8	106	0.00
109 TP	1,2,4-Trichlorobenzene	0.500	0.567	-13.4	113	0.00
110 TP	Naphthalene	1.049	1.292	-23.2#	125	0.00
111 TP	1,2,3-Trichlorobenzene	0.383	0.444	-15.9	118	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.224	96	453437	10.000	ug/L	0.00
Standard Area 1 = 458543			Recovery = 98.89%			
59) Chlorobenzene-d5	9.774	117	349715	10.000	ug/L	0.00
Standard Area 1 = 355002			Recovery = 98.51%			
79) 1,4-Dichlorobenzene-d4	12.429	152	182294	10.000	ug/L	0.00
Standard Area 1 = 185896			Recovery = 98.06%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.407	113	115799	9.971	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.71%			
43) 1,2-Dichloroethane-d4	5.940	65	125816	9.720	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.20%			
60) Toluene-d8	7.920	98	435524	10.077	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.77%			
83) 4-Bromofluorobenzene	11.238	95	166978	10.051	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	144546	11.965	ug/L	99
3) Chloromethane	1.961	50	151175	11.564	ug/L	100
4) Vinyl chloride	2.041	62	144579	11.631	ug/L	98
5) Bromomethane	2.368	94	91378	9.950	ug/L	99
6) Chloroethane	2.490	64	93789	11.381	ug/L	99
7) Trichlorofluoromethane	2.641	101	213735	11.713	ug/L	98
8) Ethyl ether	2.939	74	58621	11.978	ug/L	96
10) 1,1-Dichloroethene	3.143	96	109335	10.740	ug/L	99
11) Carbon disulfide	3.174	76	150626	5.237	ug/L	98
12) Freon-113	3.185	101	108900	9.834	ug/L #	53
13) Iodomethane	3.282	142	110959	8.240	ug/L	98
14) Acrolein	3.464	56	7760M1	8.292	ug/L	
15) Methylene chloride	3.701	84	121701	10.733	ug/L	100
16) Isopropyl alcohol	3.611	45	9207M1	49.851	ug/L	
17) Acetone	3.740	43	19158M1	7.946	ug/L	
18) trans-1,2-Dichloroethene	3.860	96	123858	11.026	ug/L	96
19) Methyl acetate	3.860	43	50710	11.853	ug/L	99
20) Methyl tert-butyl ether	3.949	73	269779	11.212	ug/L	99
21) tert-Butyl alcohol	4.032	59	21679M1	63.317	ug/L	
22) Diisopropyl ether	4.311	45	374630	10.752	ug/L	99
23) 1,1-Dichloroethane	4.445	63	230776	10.803	ug/L	100

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
24) Halothane	4.495	117	85849	9.920	ug/L		97
25) Acrylonitrile	4.490	53	22502	10.557	ug/L		96
26) Ethyl tert-butyl ether	4.663	59	343317	10.710	ug/L		86
27) Vinyl acetate	4.677	43	155967	8.274	ug/L		98
28) cis-1,2-Dichloroethene	4.969	96	130721	10.565	ug/L		99
29) 2,2-Dichloropropane	5.075	77	172872	9.976	ug/L		97
30) Bromochloromethane	5.162	128	59775	11.238	ug/L		97
31) Cyclohexane	5.176	56	193944	9.728	ug/L		89
32) Chloroform	5.232	83	228521M1	11.088	ug/L		
33) Ethyl acetate	5.338	43	55172	8.735	ug/L		99
34) Carbon tetrachloride	5.374	117	183974	10.839	ug/L		97
35) Tetrahydrofuran	5.391	42	18764M1	10.881	ug/L		
37) 1,1,1-Trichloroethane	5.435	97	213729	11.344	ug/L		100
38) 2-Butanol	5.385	45	13189M1	48.904	ug/L		
39) 2-Butanone	5.522	43	23163	8.309	ug/L	#	46
40) 1,1-Dichloropropene	5.563	75	168890	10.858	ug/L		98
41) Benzene	5.809	78	476876	10.771	ug/L		99
42) tert-Amyl methyl ether	5.909	73	283725	10.617	ug/L		99
44) 1,2-Dichloroethane	6.010	62	158612	11.129	ug/L		98
46) 2-Methyl-2-butanol	6.107	59	14561M1	47.150	ug/L		
47) Methyl cyclohexane	6.400	83	177277	9.367	ug/L		96
48) Trichloroethene	6.406	95	139703	11.252	ug/L		98
50) Dibromomethane	6.846	93	65554	11.021	ug/L		99
51) 1,2-Dichloropropane	6.952	63	125360	10.979	ug/L		98
52) 4-penten-2-ol	6.908	45	9568M1	79.330	ug/L		
53) 2-Chloroethyl vinyl ether	7.641	63	19549	13.912	ug/L	#	90
54) Bromodichloromethane	7.019	83	166799	10.586	ug/L		99
57) 1,4-Dioxane	7.225	88	20123M1	603.241	ug/L		
58) cis-1,3-Dichloropropene	7.713	75	188127	10.825	ug/L		95
61) Toluene	7.978	92	304991	10.873	ug/L		99
62) 4-Methyl-2-pentanone	8.413	58	26137M1	11.373	ug/L		
63) Tetrachloroethene	8.430	166	138431	11.247	ug/L		97
65) trans-1,3-Dichloropropene	8.461	75	158867	11.028	ug/L		98
66) 4-Methyl-2-pentanol	8.525	45	35972	41.933	ug/L		96
67) Ethyl methacrylate	8.642	69	113724	10.993	ug/L		97
68) 1,1,2-Trichloroethane	8.648	83	77364	11.372	ug/L		99
69) Chlorodibromomethane	8.865	129	113611	11.130	ug/L		98
70) 1,3-Dichloropropane	8.974	76	155194	11.235	ug/L		100
71) 1,2-Dibromoethane	9.144	107	89502	11.330	ug/L		100
72) 2-Hexanone	9.417	43	40929	9.687	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211104A-ICAL\V01211104A09.D
Sub List : 8260-CurveAlc - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
73) Chlorobenzene	9.794	112	346356	11.060	ug/L		99
74) Ethylbenzene	9.830	91	598325	10.820	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.880	131	125930	10.966	ug/L		99
76) p/m Xylene	10.014	106	459144	21.073	ug/L		98
77) o Xylene	10.547	106	451083	21.734	ug/L		99
78) Styrene	10.611	104	731975	21.977	ug/L		100
80) Bromoform	10.636	173	62996	11.068	ug/L		99
82) Isopropylbenzene	10.918	105	571608	10.966	ug/L		100
84) Bromobenzene	11.350	156	137811	11.283	ug/L		99
85) n-Propylbenzene	11.389	91	659480	10.963	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	148383	11.012	ug/L		94
87) 1,1,2,2-Tetrachloroethane	11.470	83	90034	10.996	ug/L		99
88) 4-Ethyltoluene	11.512	105	557069	11.152	ug/L		99
89) 2-Chlorotoluene	11.556	91	382479	10.857	ug/L		98
90) 1,3,5-Trimethylbenzene	11.606	105	436307	10.550	ug/L		100
91) 1,2,3-Trichloropropane	11.609	75	77365M1	10.957	ug/L		
92) trans-1,4-Dichloro-2-b...	11.659	53	26092	10.346	ug/L	#	79
93) 4-Chlorotoluene	11.735	91	393234	10.825	ug/L		99
94) tert-Butylbenzene	11.944	119	377556	10.890	ug/L		99
97) 1,2,4-Trimethylbenzene	12.019	105	440818	11.061	ug/L		100
98) sec-Butylbenzene	12.131	105	512933	10.774	ug/L		100
99) p-Isopropyltoluene	12.281	119	437108	10.615	ug/L		99
100) 1,3-Dichlorobenzene	12.354	146	245609	11.059	ug/L		99
101) 1,4-Dichlorobenzene	12.446	146	252068	11.187	ug/L		99
102) p-Diethylbenzene	12.649	119	240479	10.375	ug/L		99
103) n-Butylbenzene	12.708	91	361824	11.146	ug/L		99
104) 1,2-Dichlorobenzene	12.864	146	221173	11.226	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.439	119	347613	10.787	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.639	155	12561	12.007	ug/L		98
107) 1,3,5-Trichlorobenzene	13.670	180	111319	9.961	ug/L		97
108) Hexachlorobutadiene	14.239	225	40141	10.786	ug/L		97
109) 1,2,4-Trichlorobenzene	14.267	180	103279	11.332	ug/L		99
110) Naphthalene	14.560	128	235568	12.317	ug/L		100
111) 1,2,3-Trichlorobenzene	14.730	180	80872	11.572	ug/L		98

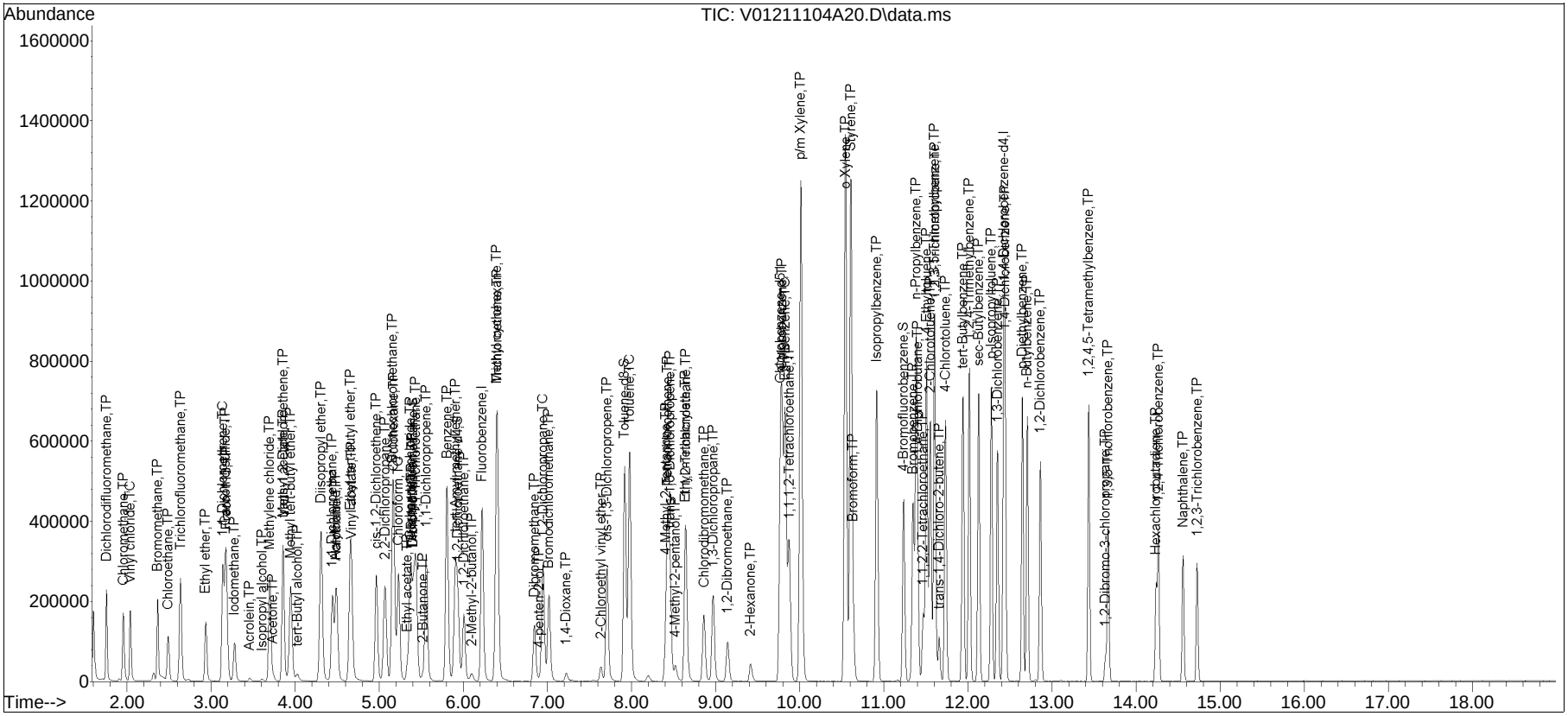
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211104A-ICAL\
Data File : V01211104A20.D
Acq On : 4 Nov 2021 4:31 pm
Operator : VOA101:MKS
Sample : C8260STD10PPB
Misc : WG1567338
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 17:02:30 2021
Quant Method : I:\VOLATILES\VOA101\2021\211104A-ICAL\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

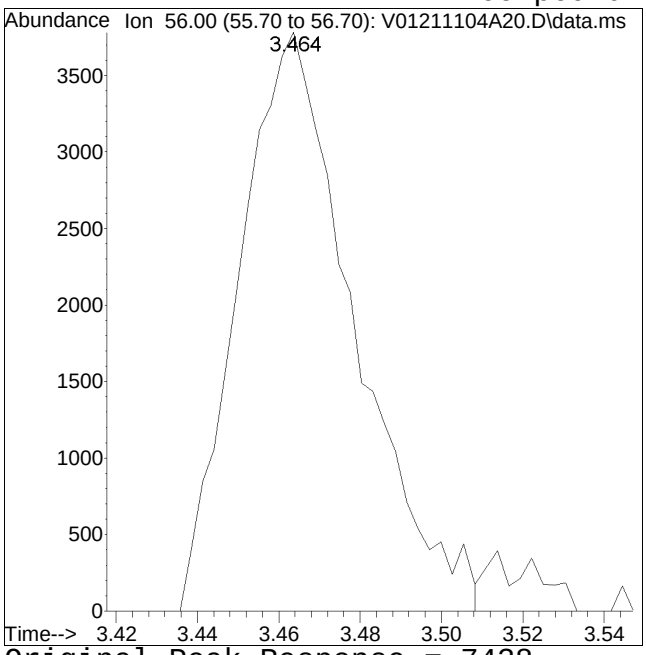
Sub List : 8260-CurveAlc - All compounds listed-ICAL\V01211104A09.D•

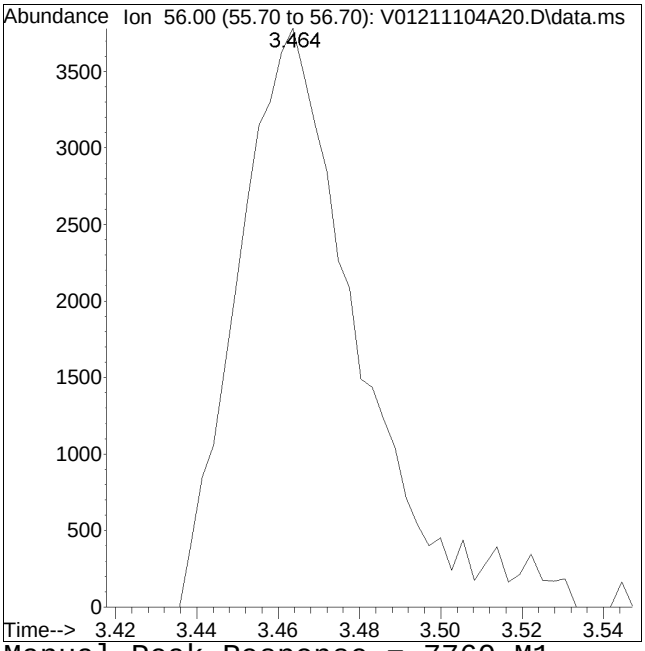


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #14: Acrolein





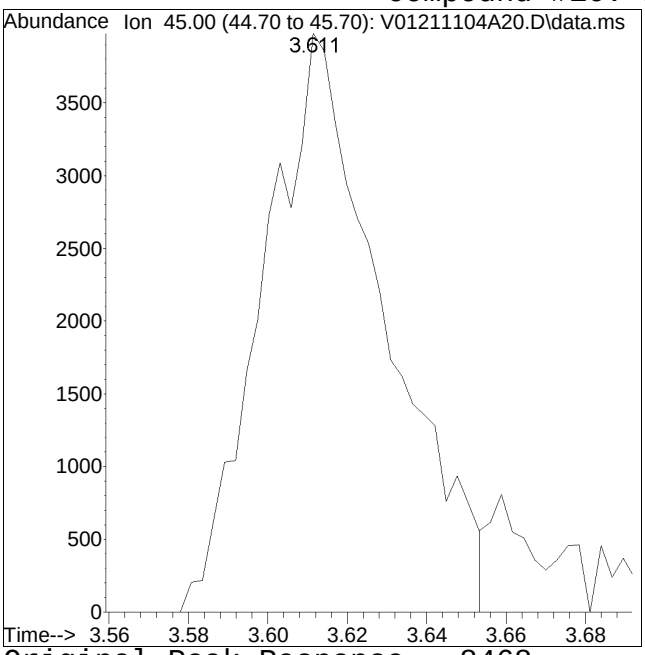
Original Peak Response = 7438 Manual Peak Response = 7760 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

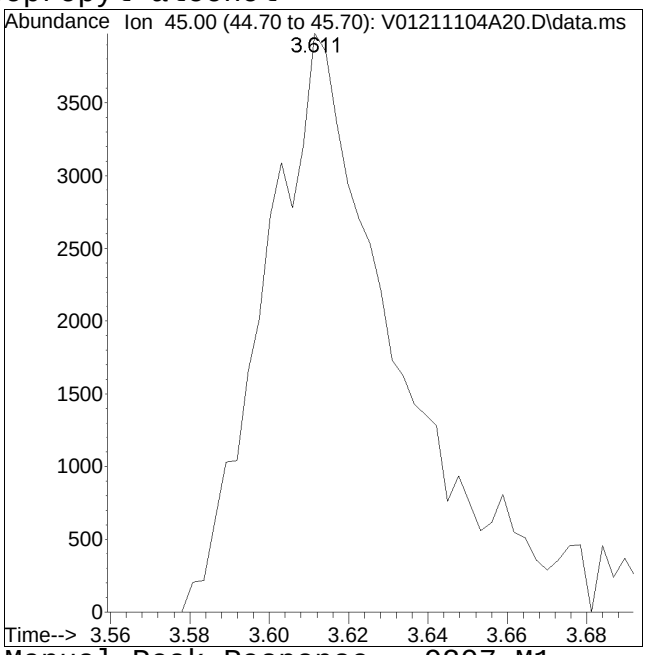
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A20.D
Date Inj'd : 11/4/2021 4:31 pm
Sample : C8260STD10PPB

Method : V101_211104A_8260D.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 11/4/2021 4:59 pm

Compound #16: Isopropyl alcohol



Original Peak Response = 8468



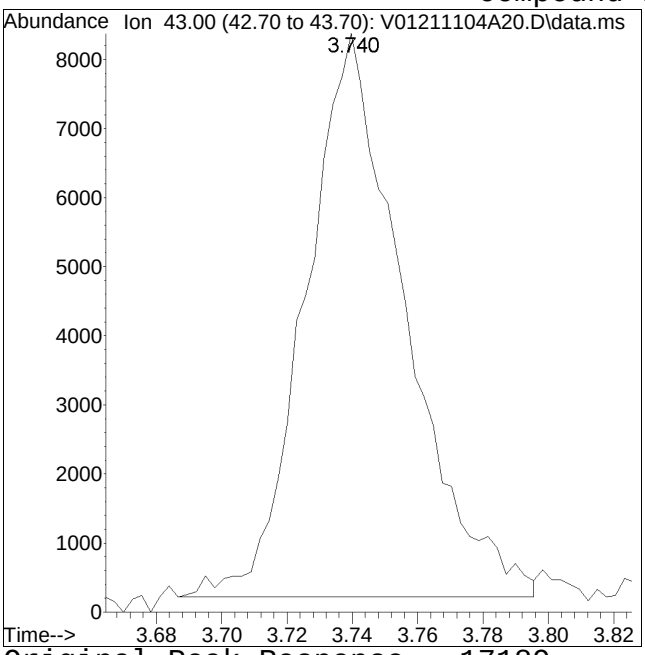
Manual Peak Response = 9207 M1

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

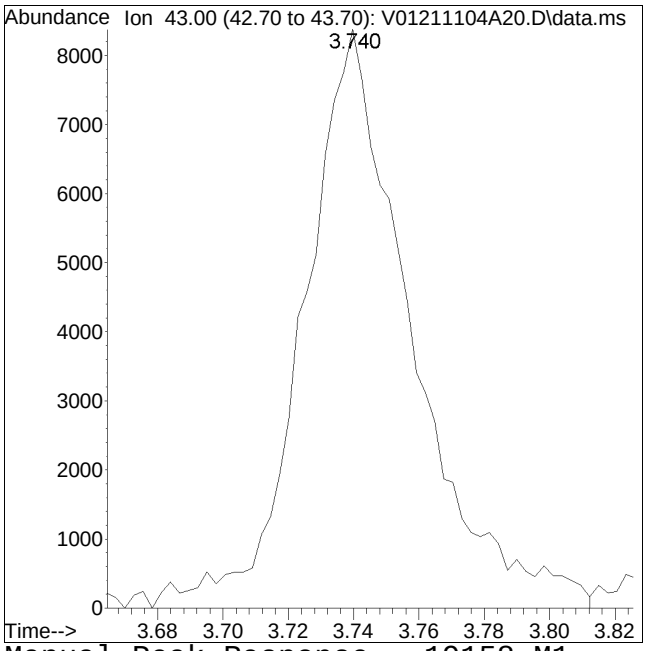
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #17: Acetone



Original Peak Response = 17189



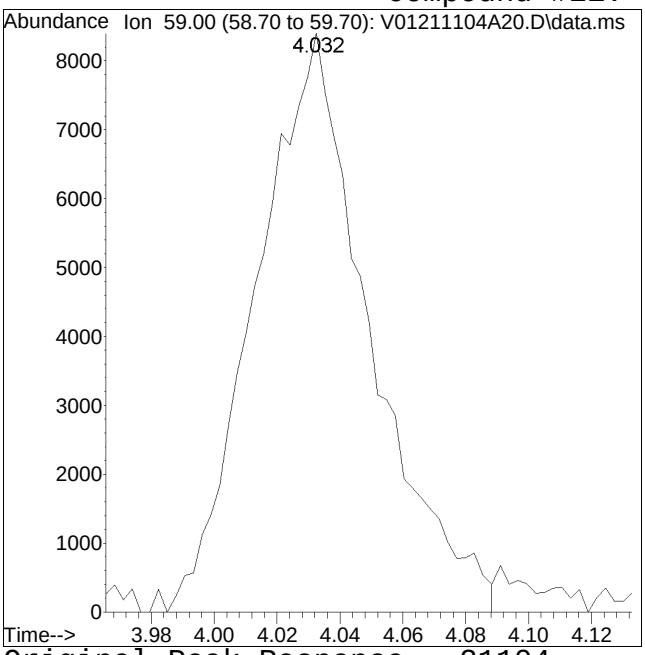
Manual Peak Response = 19158 M1

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

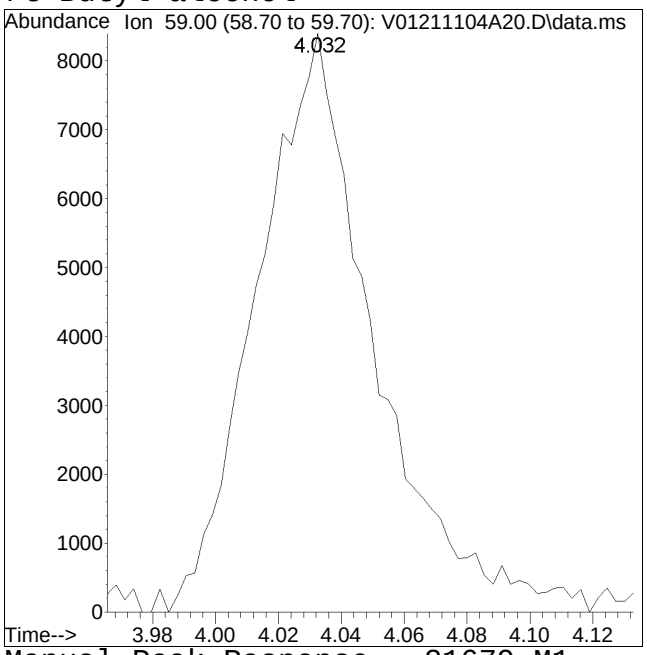
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #21: tert-Butyl alcohol



Original Peak Response = 21104



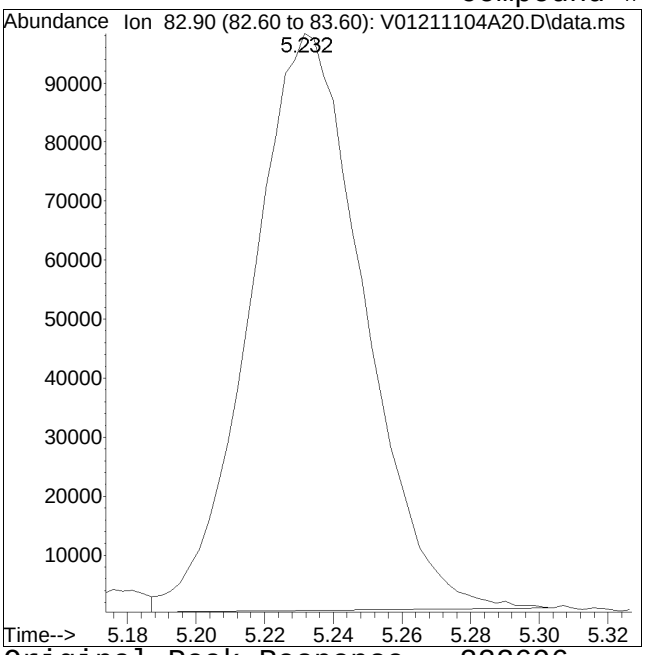
Manual Peak Response = 21679 M1

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

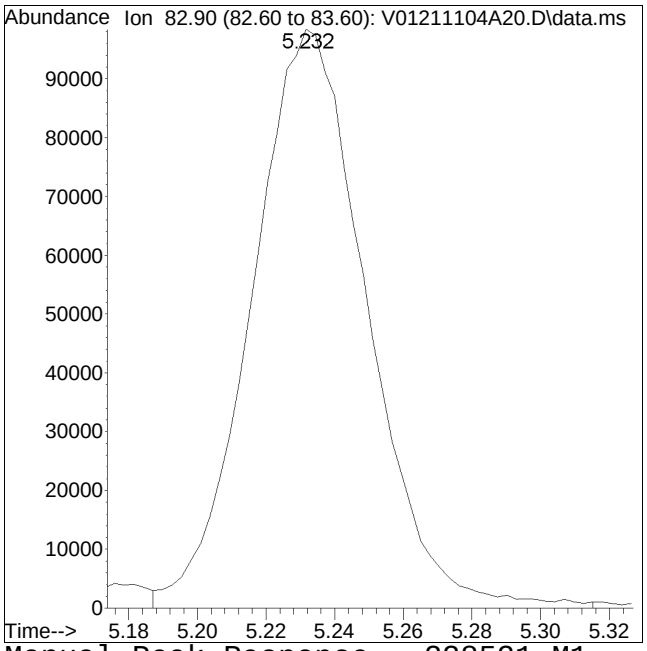
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #32: Chloroform



Original Peak Response = 222696



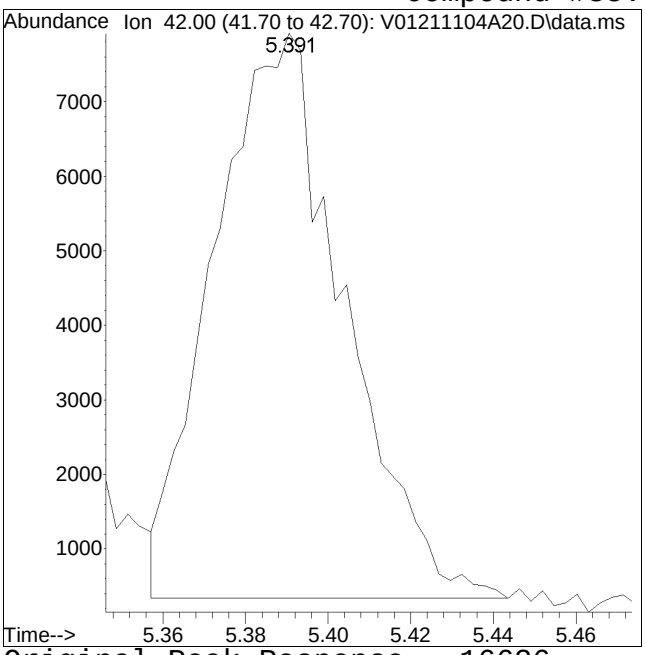
Manual Peak Response = 228521 M1

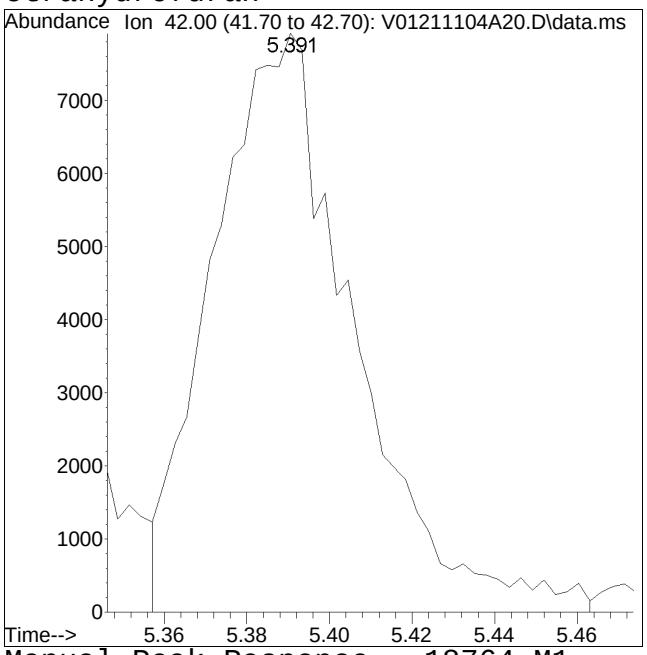
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #35: Tetrahydrofuran



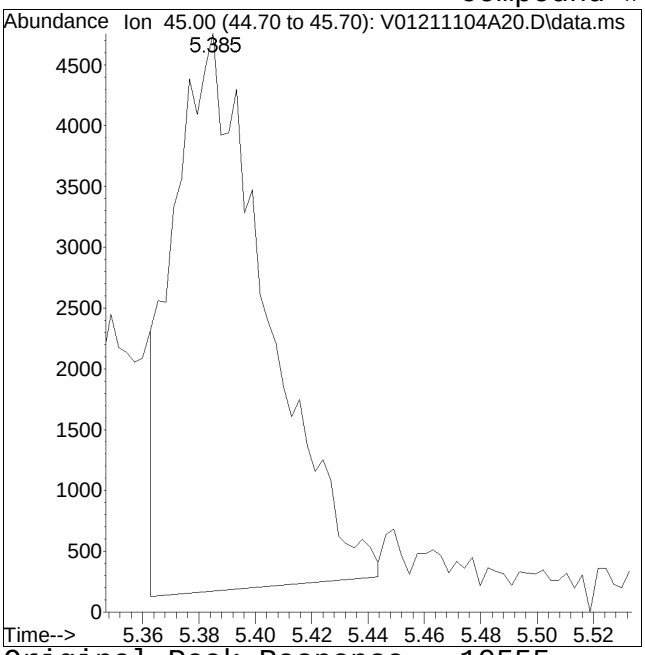


Original Peak Response = 16626 Manual Peak Response = 18764 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

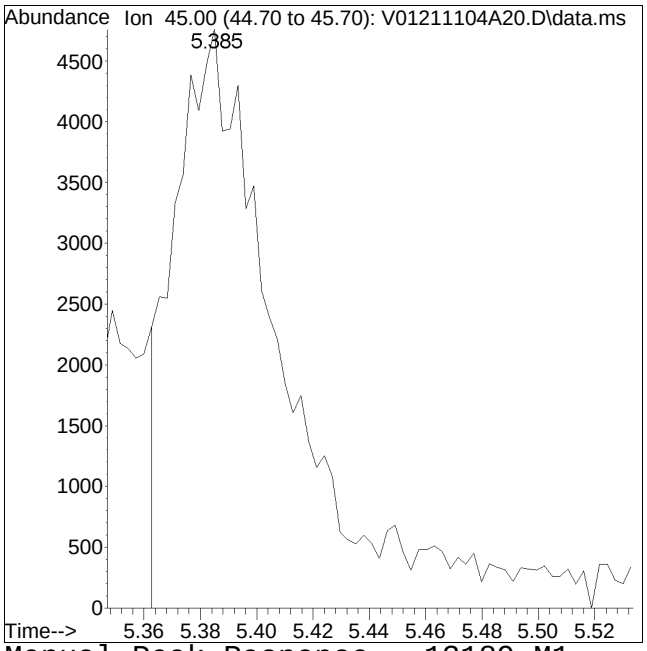
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #38: 2-Butanol



Original Peak Response = 10555



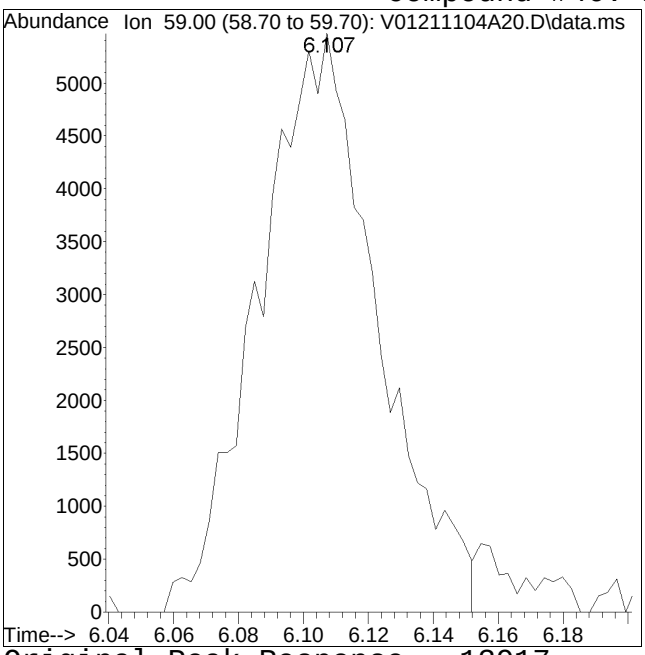
Manual Peak Response = 13189 M1

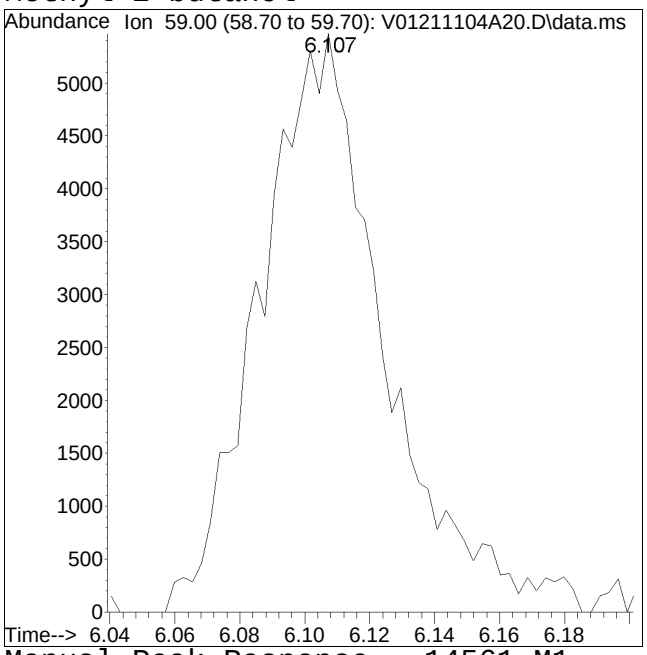
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #46: 2-Methyl-2-butanol



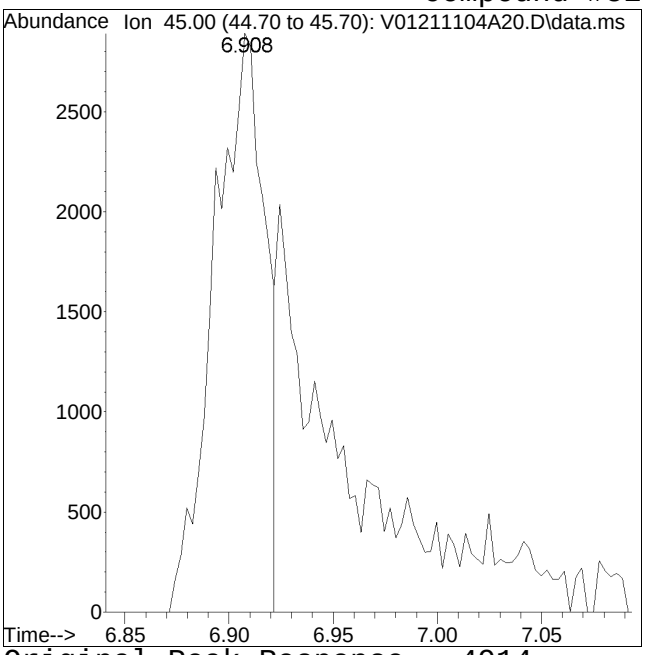


Original Peak Response = 13917 Manual Peak Response = 14561 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

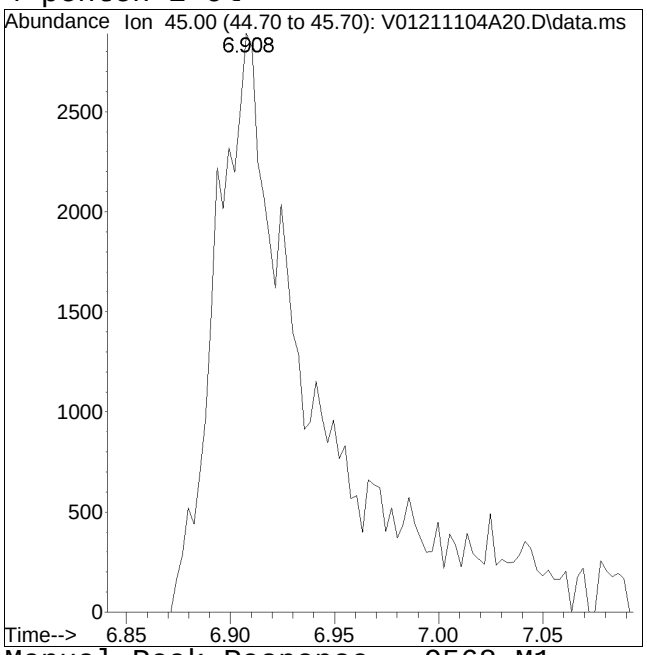
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #52: 4-penten-2-ol



Original Peak Response = 4914



Manual Peak Response = 9568 M1

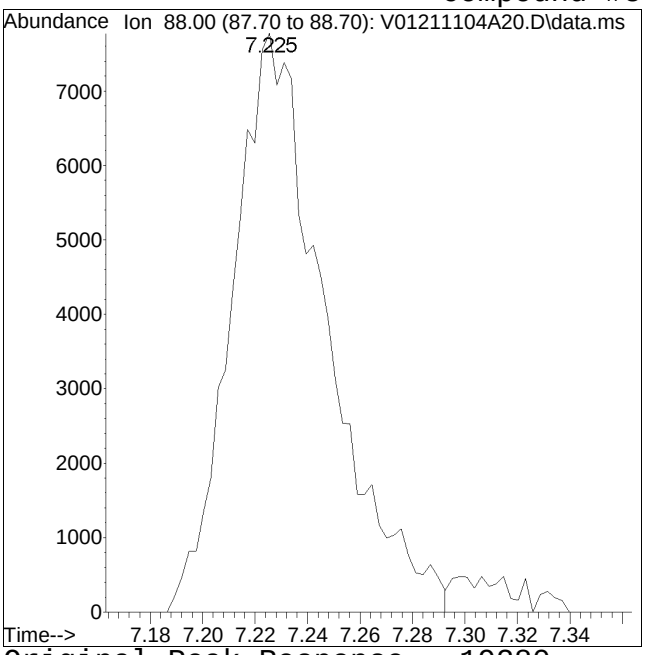
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

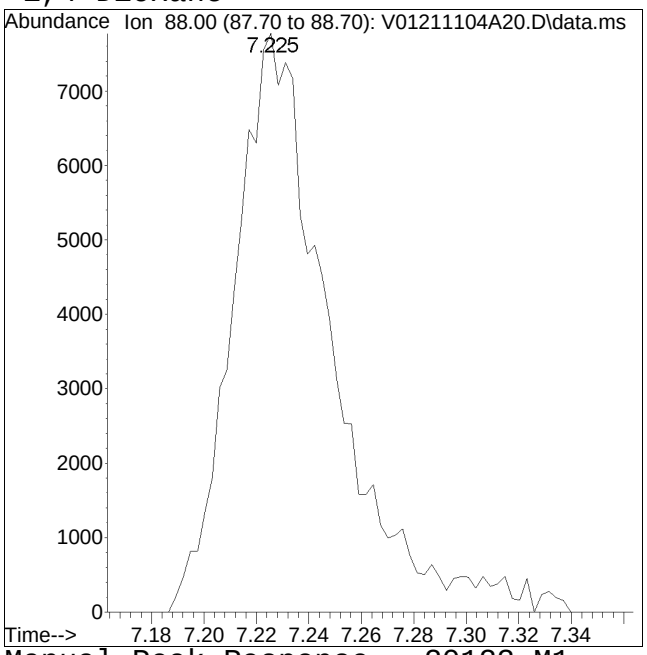
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211104A20.D
Date Inj'd : 11/4/2021 4:31 pm
Sample : C8260STD10PPB

Method : V101_211104A_8260D.m
Operator : VOA101:MKS
Instrument : VOA 101
Quant Date : 11/4/2021 4:59 pm

Compound #57: 1,4-Dioxane



Original Peak Response = 19280



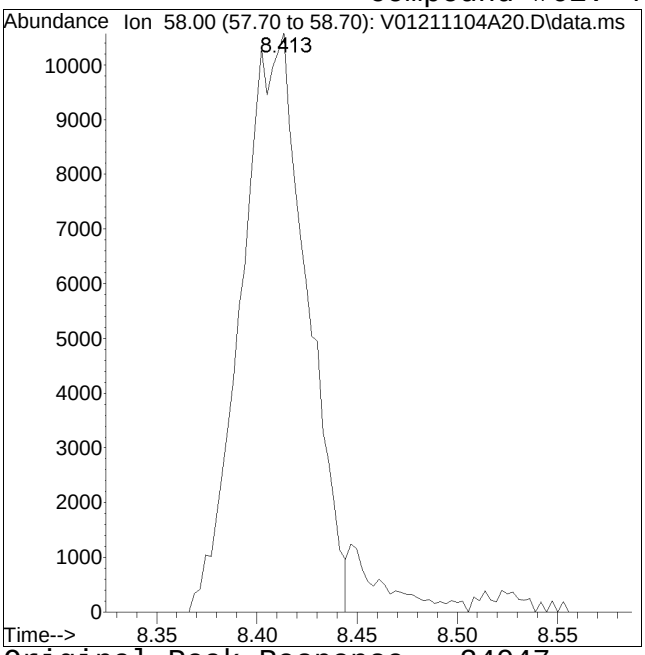
Manual Peak Response = 20123 M1

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

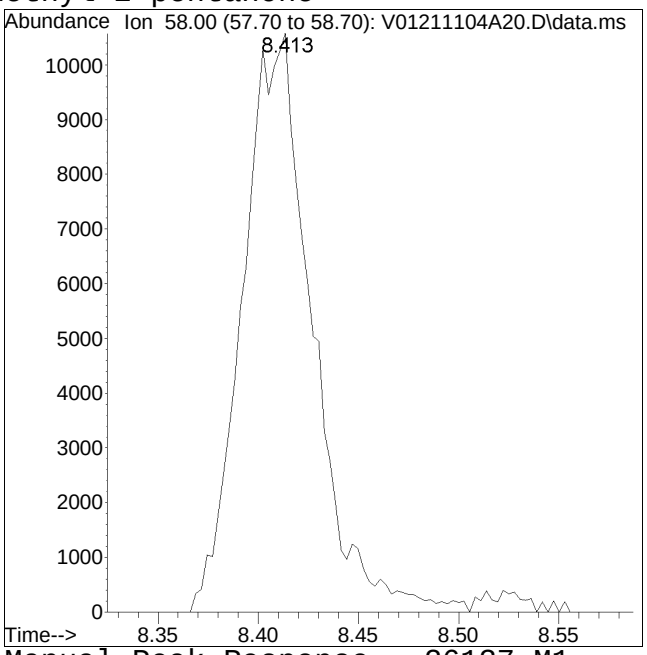
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 24047



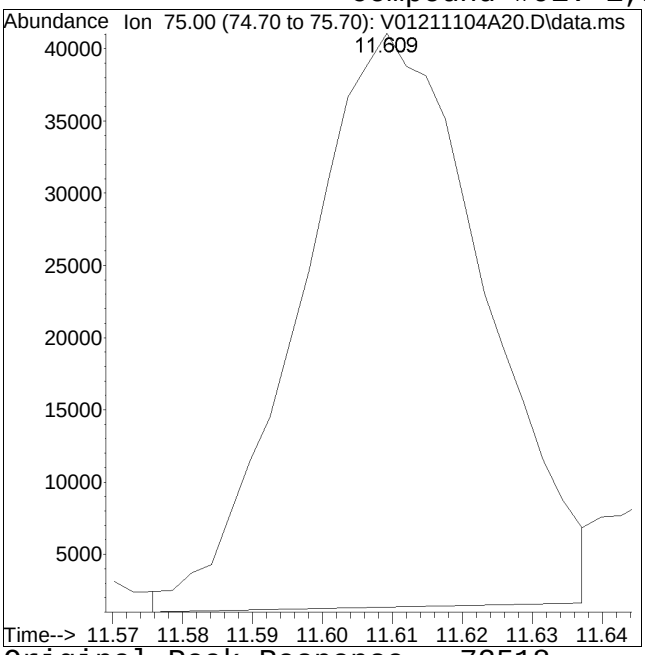
Manual Peak Response = 26137 M1

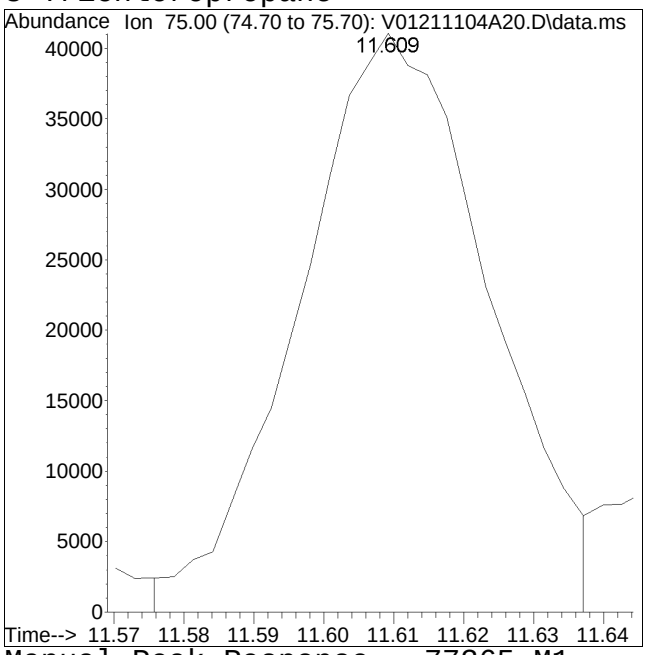
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211104A20.D Operator : VOA101:MKS
Date Inj'd : 11/4/2021 4:31 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 11/4/2021 4:59 pm

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 72518 Manual Peak Response = 77365 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Correlation Data Summary

Method Path: I:\VOLATILES\VOA101\2021\211104A-ICAL\
Method File: V101_211104A_8260D.m
Method Title: VOLATILES BY GC/MS
Last Update: Thu Nov 04 14:42:31 2021
CSV generated: Thu Nov 04 17:06:10 2021

Analyte	Curve fit Type	Coefficient of Determination	Quadratic Term	Linear Term	Constant Term
2-Butanol	Linear	0.993302	0	0.005934	6.6E-05
4-penten-2-ol	Linear	0.991026	0	0.004733	-0.016444

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944	
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663	
Instrument ID	: VOA101	**Calibration Date**	: 11/29/21 07:24	
Lab File ID	: V01211129A02	**Init. Calib. Date(s)**	: 11/04/21	11/04/21
Sample No	: WG1577201-2	**Init. Calib. Times**	: 10:22	13:50
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	114	0
Dichlorodifluoromethane	0.266	0.273	-	-2.6	20	110	0
Chloromethane	0.288	0.238	-	17.4	20	90	0
Vinyl chloride	0.274	0.279	-	-1.8	20	106	0
Bromomethane	0.203	0.121	-	40.4*	20	79	0
Chloroethane	0.182	0.191	-	-4.9	20	112	0
Trichlorofluoromethane	0.402	0.418	-	-4	20	110	0
Ethyl ether	0.108	0.107	-	0.9	20	109	0
1,1-Dichloroethene	0.225	0.219	-	2.7	20	103	0
Carbon disulfide	0.634	0.589	-	7.1	20	103	0
Freon-113	0.244	0.239	-	2	20	104	0
Acrolein	0.021	0.022	-	-4.8	20	120	0
Methylene chloride	0.25	0.232	-	7.2	20	106	0
Acetone	0.053	0.04	-	24.5*	20	91	0
trans-1,2-Dichloroethene	0.248	0.238	-	4	20	105	0
Methyl acetate	0.094	0.089	-	5.3	20	107	0
Methyl tert-butyl ether	0.531	0.496	-	6.6	20	104	0
tert-Butyl alcohol	0.00755	0.01018	-	-34.8*	20	196	-.01
Diisopropyl ether	0.768	0.728	-	5.2	20	106	0
1,1-Dichloroethane	0.471	0.453	-	3.8	20	105	0
Halothane	0.191	0.181	-	5.2	20	102	0
Acrylonitrile	0.047	0.046	-	2.1	20	114	0
Ethyl tert-butyl ether	0.707	0.642	-	9.2	20	102	0
Vinyl acetate	0.416	0.414	-	0.5	20	107	0
cis-1,2-Dichloroethene	0.273	0.258	-	5.5	20	104	0
2,2-Dichloropropane	0.382	0.385	-	-0.8	20	109	0
Bromochloromethane	0.117	0.115	-	1.7	20	108	0
Cyclohexane	0.44	0.432	-	1.8	20	106	0
Chloroform	0.455	0.435	-	4.4	20	107	0
Ethyl acetate	0.139	0.129	-	7.2	20	102	0
Carbon tetrachloride	0.374	0.356	-	4.8	20	103	0
Tetrahydrofuran	0.038	0.036	-	5.3	20	109	0
Dibromofluoromethane	0.256	0.245	-	4.3	20	109	0
1,1,1-Trichloroethane	0.416	0.404	-	2.9	20	105	0
2-Butanone	0.061	0.048	-	21.3*	20	98	0
1,1-Dichloropropene	0.343	0.336	-	2	20	107	0
Benzene	0.976	0.925	-	5.2	20	106	0
tert-Amyl methyl ether	0.589	0.515	-	12.6	20	99	0
1,2-Dichloroethane-d4	0.285	0.277	-	2.8	20	111	0
1,2-Dichloroethane	0.314	0.298	-	5.1	20	107	0
Methyl cyclohexane	0.417	0.432	-	-3.6	20	112	0
Trichloroethene	0.274	0.273	-	0.4	20	112	0
Dibromomethane	0.131	0.122	-	6.9	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944	
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663	
Instrument ID	: VOA101	**Calibration Date**	: 11/29/21 07:24	
Lab File ID	: V01211129A02	**Init. Calib. Date(s)**	: 11/04/21	11/04/21
Sample No	: WG1577201-2	**Init. Calib. Times**	: 10:22	13:50
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.252	0.239	-	5.2	20	107	0
Bromodichloromethane	0.348	0.313	-	10.1	20	102	0
1,4-Dioxane	0.00074	0.00098*	-	-32.4*	20	150	0
cis-1,3-Dichloropropene	0.383	0.351	-	8.4	20	103	0
Chlorobenzene-d5	1	1	-	0	20	105	0
Toluene-d8	1.236	1.29	-	-4.4	20	108	0
Toluene	0.802	0.836	-	-4.2	20	107	0
4-Methyl-2-pentanone	0.066	0.063	-	4.5	20	104	0
Tetrachloroethene	0.352	0.375	-	-6.5	20	107	0
trans-1,3-Dichloropropene	0.412	0.412	-	0	20	105	0
Ethyl methacrylate	0.296	0.284	-	4.1	20	101	0
1,1,2-Trichloroethane	0.195	0.198*	-	-1.5	20	105	0
Chlorodibromomethane	0.292	0.287	-	1.7	20	104	0
1,3-Dichloropropane	0.395	0.409	-	-3.5	20	106	0
1,2-Dibromoethane	0.226	0.235	-	-4	20	105	0
2-Hexanone	0.121	0.109	-	9.9	20	96	0
Chlorobenzene	0.895	0.919	-	-2.7	20	107	0
Ethylbenzene	1.581	1.657	-	-4.8	20	108	0
1,1,1,2-Tetrachloroethane	0.328	0.338	-	-3	20	108	0
p/m Xylene	0.623	0.641	-	-2.9	20	109	0
o Xylene	0.593	0.6	-	-1.2	20	108	0
Styrene	0.952	0.976	-	-2.5	20	107	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	107	0
Bromoform	0.312	0.295	-	5.4	20	104	0
Isopropylbenzene	2.859	3.034	-	-6.1	20	111	0
4-Bromofluorobenzene	0.911	0.932	-	-2.3	20	109	0
Bromobenzene	0.67	0.686	-	-2.4	20	109	0
n-Propylbenzene	3.3	3.514	-	-6.5	20	110	0
1,4-Dichlorobutane	0.739	0.791	-	-7	20	114	0
1,1,2,2-Tetrachloroethane	0.449	0.487	-	-8.5	20	113	0
4-Ethyltoluene	2.74	2.85	-	-4	20	110	0
2-Chlorotoluene	1.933	2.049	-	-6	20	112	0
1,3,5-Trimethylbenzene	2.269	2.356	-	-3.8	20	111	0
1,2,3-Trichloropropane	0.387	0.402	-	-3.9	20	112	0
trans-1,4-Dichloro-2-buten	0.138	0.142	-	-2.9	20	109	0
4-Chlorotoluene	1.993	2.074	-	-4.1	20	112	0
tert-Butylbenzene	1.902	2.024	-	-6.4	20	112	0
1,2,4-Trimethylbenzene	2.186	2.266	-	-3.7	20	111	0
sec-Butylbenzene	2.612	2.81	-	-7.6	20	114	0
p-Isopropyltoluene	2.259	2.404	-	-6.4	20	114	0
1,3-Dichlorobenzene	1.218	1.265	-	-3.9	20	112	0
1,4-Dichlorobenzene	1.236	1.274	-	-3.1	20	112	0
p-Diethylbenzene	1.272	1.327	-	-4.3	20	113	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Soils Engineering Services, Inc.	**Lab Number**	: L2163944	
Project Name	: SPIC AND SPAN CLEANERS	**Project Number**	: 11663	
Instrument ID	: VOA101	**Calibration Date**	: 11/29/21 07:24	
Lab File ID	: V01211129A02	**Init. Calib. Date(s)**	: 11/04/21	11/04/21
Sample No	: WG1577201-2	**Init. Calib. Times**	: 10:22	13:50
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.781	1.941	-	-9	20	116	0
1,2-Dichlorobenzene	1.081	1.111	-	-2.8	20	111	0
1,2,4,5-Tetramethylbenzene	1.768	1.698	-	4	20	105	0
1,2-Dibromo-3-chloropropan	0.057	0.054	-	5.3	20	101	0
1,3,5-Trichlorobenzene	0.613	0.613	-	0	20	108	0
Hexachlorobutadiene	0.204	0.213	-	-4.4	20	112	0
1,2,4-Trichlorobenzene	0.5	0.463	-	7.4	20	101	0
Naphthalene	1.049	0.905	-	13.7	20	96	0
1,2,3-Trichlorobenzene	0.383	0.333*	-	13.1	20	97	0

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	114	0.00
2	TP	Dichlorodifluoromethane	0.266	0.273	-2.6	110	0.00
3	TP	Chloromethane	0.288	0.238	17.4	90	0.00
4	TC	Vinyl chloride	0.274	0.279	-1.8	106	0.00
5	TP	Bromomethane	0.203	0.121	40.4#	79	0.00
6	TP	Chloroethane	0.182	0.191	-4.9	112	0.00
7	TP	Trichlorofluoromethane	0.402	0.418	-4.0	110	0.00
8	TP	Ethyl ether	0.108	0.107	0.9	109	0.00
10	TC	1,1-Dichloroethene	0.225	0.219	2.7	103	0.00
11	TP	Carbon disulfide	0.634	0.589	7.1	103	0.00
12	TP	Freon-113	0.244	0.239	2.0	104	0.00
14	TP	Acrolein	0.021	0.022	-4.8	120	0.00
15	TP	Methylene chloride	0.250	0.232	7.2	106	0.00
17	TP	Acetone	0.053	0.040	24.5#	91	0.00
18	TP	trans-1,2-Dichloroethene	0.248	0.238	4.0	105	0.00
19	TP	Methyl acetate	0.094	0.089	5.3	107	0.00
20	TP	Methyl tert-butyl ether	0.531	0.496	6.6	104	0.00
21	TP	tert-Butyl alcohol	0.00755	0.01018	-34.8#	196	-0.01
22	TP	Diisopropyl ether	0.768	0.728	5.2	106	0.00
23	TP	1,1-Dichloroethane	0.471	0.453	3.8	105	0.00
24	TP	Halothane	0.191	0.181	5.2	102	0.00
25	TP	Acrylonitrile	0.047	0.046	2.1	114	0.00
26	TP	Ethyl tert-butyl ether	0.707	0.642	9.2	102	0.00
27	TP	Vinyl acetate	0.416	0.414	0.5	107	0.00
28	TP	cis-1,2-Dichloroethene	0.273	0.258	5.5	104	0.00
29	TP	2,2-Dichloropropane	0.382	0.385	-0.8	109	0.00
30	TP	Bromochloromethane	0.117	0.115	1.7	108	0.00
31	TP	Cyclohexane	0.440	0.432	1.8	106	0.00
32	TC	Chloroform	0.455	0.435	4.4	107	0.00
33	TP	Ethyl acetate	0.139	0.129	7.2	102	0.00
34	TP	Carbon tetrachloride	0.374	0.356	4.8	103	0.00
35	TP	Tetrahydrofuran	0.038	0.036	5.3	109	0.00
36	S	Dibromofluoromethane	0.256	0.245	4.3	109	0.00
37	TP	1,1,1-Trichloroethane	0.416	0.404	2.9	105	0.00
39	TP	2-Butanone	0.061	0.048	21.3#	98	0.00
40	TP	1,1-Dichloropropene	0.343	0.336	2.0	107	0.00
41	TP	Benzene	0.976	0.925	5.2	106	0.00
42	TP	tert-Amyl methyl ether	0.589	0.515	12.6	99	0.00
43	S	1,2-Dichloroethane-d4	0.285	0.277	2.8	111	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.314	0.298	5.1	107	0.00
47	TP	Methyl cyclohexane	0.417	0.432	-3.6	112	0.00
48	TP	Trichloroethene	0.274	0.273	0.4	112	0.00
50	TP	Dibromomethane	0.131	0.122	6.9	103	0.00
51	TC	1,2-Dichloropropane	0.252	0.239	5.2	107	0.00
54	TP	Bromodichloromethane	0.348	0.313	10.1	102	0.00
57	TP	1,4-Dioxane	0.00074	0.00098#	-32.4#	150	0.00
58	TP	cis-1,3-Dichloropropene	0.383	0.351	8.4	103	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
60	S	Toluene-d8	1.236	1.290	-4.4	108	0.00
61	TC	Toluene	0.802	0.836	-4.2	107	0.00
62	TP	4-Methyl-2-pentanone	0.066	0.063	4.5	104	0.00
63	TP	Tetrachloroethene	0.352	0.375	-6.5	107	0.00
65	TP	trans-1,3-Dichloropropene	0.412	0.412	0.0	105	0.00
67	TP	Ethyl methacrylate	0.296	0.284	4.1	101	0.00
68	TP	1,1,2-Trichloroethane	0.195	0.198#	-1.5	105	0.00
69	TP	Chlorodibromomethane	0.292	0.287	1.7	104	0.00
70	TP	1,3-Dichloropropane	0.395	0.409	-3.5	106	0.00
71	TP	1,2-Dibromoethane	0.226	0.235	-4.0	105	0.00
72	TP	2-Hexanone	0.121	0.109	9.9	96	0.00
73	TP	Chlorobenzene	0.895	0.919	-2.7	107	0.00
74	TC	Ethylbenzene	1.581	1.657	-4.8	108	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.328	0.338	-3.0	108	0.00
76	TP	p/m Xylene	0.623	0.641	-2.9	109	0.00
77	TP	o Xylene	0.593	0.600	-1.2	108	0.00
78	TP	Styrene	0.952	0.976	-2.5	107	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
80	TP	Bromoform	0.312	0.295	5.4	104	0.00
82	TP	Isopropylbenzene	2.859	3.034	-6.1	111	0.00
83	S	4-Bromofluorobenzene	0.911	0.932	-2.3	109	0.00
84	TP	Bromobenzene	0.670	0.686	-2.4	109	0.00
85	TP	n-Propylbenzene	3.300	3.514	-6.5	110	0.00
86	TP	1,4-Dichlorobutane	0.739	0.791	-7.0	114	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.449	0.487	-8.5	113	0.00
88	TP	4-Ethyltoluene	2.740	2.850	-4.0	110	0.00
89	TP	2-Chlorotoluene	1.933	2.049	-6.0	112	0.00
90	TP	1,3,5-Trimethylbenzene	2.269	2.356	-3.8	111	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.387	0.402	-3.9	112	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.138	0.142	-2.9	109	0.00
93 TP	4-Chlorotoluene	1.993	2.074	-4.1	112	0.00
94 TP	tert-Butylbenzene	1.902	2.024	-6.4	112	0.00
97 TP	1,2,4-Trimethylbenzene	2.186	2.266	-3.7	111	0.00
98 TP	sec-Butylbenzene	2.612	2.810	-7.6	114	0.00
99 TP	p-Isopropyltoluene	2.259	2.404	-6.4	114	0.00
100 TP	1,3-Dichlorobenzene	1.218	1.265	-3.9	112	0.00
101 TP	1,4-Dichlorobenzene	1.236	1.274	-3.1	112	0.00
102 TP	p-Diethylbenzene	1.272	1.327	-4.3	113	0.00
103 TP	n-Butylbenzene	1.781	1.941	-9.0	116	0.00
104 TP	1,2-Dichlorobenzene	1.081	1.111	-2.8	111	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.768	1.698	4.0	105	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.057	0.054	5.3	101	0.00
107 TP	1,3,5-Trichlorobenzene	0.613	0.613	0.0	108	0.00
108 TP	Hexachlorobutadiene	0.204	0.213	-4.4	112	0.00
109 TP	1,2,4-Trichlorobenzene	0.500	0.463	7.4	101	0.00
110 TP	Naphthalene	1.049	0.905	13.7	96	0.00
111 TP	1,2,3-Trichlorobenzene	0.383	0.333#	13.1	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.227	96	521137	10.000 ug/L	0.00
Standard Area 1 = 521137			Recovery = 100.00%		
59) Chlorobenzene-d5	9.771	117	373965	10.000 ug/L	0.00
Standard Area 1 = 373965			Recovery = 100.00%		
79) 1,4-Dichlorobenzene-d4	12.426	152	199324	10.000 ug/L	0.00
Standard Area 1 = 199324			Recovery = 100.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.407	113	127915	9.584 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.84%		
43) 1,2-Dichloroethane-d4	5.937	65	144112	9.687 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%		
60) Toluene-d8	7.920	98	482426	10.438 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.38%		
83) 4-Bromofluorobenzene	11.238	95	185761	10.226 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.760	85	142366	10.253 ug/L	100
3) Chloromethane	1.960	50	123995	8.253 ug/L	100
4) Vinyl chloride	2.044	62	145267	10.169 ug/L	98
5) Bromomethane	2.368	94	63069	5.975 ug/L	100
6) Chloroethane	2.496	64	99334	10.488 ug/L	98
7) Trichlorofluoromethane	2.641	101	217923	10.391 ug/L	97
8) Ethyl ether	2.942	74	55995	9.955 ug/L	96
10) 1,1-Dichloroethene	3.146	96	114107	9.753 ug/L	97
11) Carbon disulfide	3.176	76	307047	9.289 ug/L	99
12) Freon-113	3.182	101	124707	9.799 ug/L	99
14) Acrolein	3.463	56	11291	10.497 ug/L	92
15) Methylene chloride	3.698	84	120987	9.284 ug/L	97
17) Acetone	3.737	43	20890M4	7.538 ug/L	
18) trans-1,2-Dichloroethene	3.859	96	123793	9.588 ug/L	99
19) Methyl acetate	3.859	43	46181	9.392 ug/L	99
20) Methyl tert-butyl ether	3.949	73	258600	9.351 ug/L	98
21) tert-Butyl alcohol	4.024	59	26521M1	67.397 ug/L	
22) Diisopropyl ether	4.311	45	379218	9.470 ug/L	98
23) 1,1-Dichloroethane	4.445	63	236112	9.617 ug/L	99
24) Halothane	4.492	117	94442	9.495 ug/L	100
25) Acrylonitrile	4.492	53	24102	9.839 ug/L	96

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Ethyl tert-butyl ether	4.665	59	334519	9.080	ug/L		97
27) Vinyl acetate	4.674	43	215823	9.961	ug/L		99
28) cis-1,2-Dichloroethene	4.967	96	134354	9.448	ug/L		100
29) 2,2-Dichloropropane	5.075	77	200663	10.075	ug/L		96
30) Bromochloromethane	5.165	128	59901	9.798	ug/L		98
31) Cyclohexane	5.176	56	225220	9.829	ug/L		96
32) Chloroform	5.231	83	226787	9.575	ug/L		99
33) Ethyl acetate	5.335	43	67433	9.289	ug/L	#	94
34) Carbon tetrachloride	5.376	117	185280	9.498	ug/L		96
35) Tetrahydrofuran	5.388	42	18591M1	9.380	ug/L		
37) 1,1,1-Trichloroethane	5.435	97	210711	9.731	ug/L		99
39) 2-Butanone	5.530	43	24773	7.732	ug/L	#	46
40) 1,1-Dichloropropene	5.563	75	175350	9.809	ug/L	#	85
41) Benzene	5.806	78	481951	9.472	ug/L		98
42) tert-Amyl methyl ether	5.909	73	268423	8.740	ug/L		97
44) 1,2-Dichloroethane	6.007	62	155264	9.479	ug/L		99
47) Methyl cyclohexane	6.397	83	225062	10.348	ug/L		99
48) Trichloroethene	6.405	95	142307	9.972	ug/L		99
50) Dibromomethane	6.846	93	63755	9.326	ug/L		98
51) 1,2-Dichloropropane	6.949	63	124498	9.487	ug/L		99
54) Bromodichloromethane	7.019	83	163034	9.002	ug/L		99
57) 1,4-Dioxane	7.225	88	25634M1	668.620	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	182850	9.155	ug/L		93
61) Toluene	7.978	92	312787	10.428	ug/L		100
62) 4-Methyl-2-pentanone	8.411	58	23721	9.652	ug/L		99
63) Tetrachloroethene	8.433	166	140286	10.658	ug/L		97
65) trans-1,3-Dichloropropene	8.463	75	154139	10.006	ug/L		93
67) Ethyl methacrylate	8.642	69	106253	9.605	ug/L		98
68) 1,1,2-Trichloroethane	8.648	83	74215	10.201	ug/L		97
69) Chlorodibromomethane	8.862	129	107398	9.839	ug/L		99
70) 1,3-Dichloropropane	8.971	76	152877	10.349	ug/L		100
71) 1,2-Dibromoethane	9.147	107	87697M3	10.381	ug/L		
72) 2-Hexanone	9.426	43	40890M3	9.050	ug/L		
73) Chlorobenzene	9.796	112	343544	10.259	ug/L		99
74) Ethylbenzene	9.830	91	619536	10.477	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.872	131	126360	10.290	ug/L		98
76) p/m Xylene	10.014	106	479141	20.565	ug/L		98
77) o Xylene	10.544	106	449005	20.231	ug/L		100
78) Styrene	10.608	104	730328	20.506	ug/L		99
80) Bromoform	10.636	173	58784	9.446	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Isopropylbenzene	10.917	105	604748	10.611	ug/L		100
84) Bromobenzene	11.347	156	136642	10.231	ug/L		100
85) n-Propylbenzene	11.386	91	700362	10.648	ug/L		100
86) 1,4-Dichlorobutane	11.406	55	157632	10.699	ug/L		96
87) 1,1,2,2-Tetrachloroethane	11.470	83	96988	10.833	ug/L		99
88) 4-Ethyltoluene	11.509	105	568055	10.401	ug/L		100
89) 2-Chlorotoluene	11.556	91	408477M1	10.604	ug/L		
90) 1,3,5-Trimethylbenzene	11.604	105	469613	10.385	ug/L		100
91) 1,2,3-Trichloropropane	11.609	75	80048M1	10.369	ug/L		
92) trans-1,4-Dichloro-2-b...	11.659	53	28314	10.268	ug/L	#	77
93) 4-Chlorotoluene	11.735	91	413358	10.407	ug/L		100
94) tert-Butylbenzene	11.941	119	403462	10.643	ug/L		99
97) 1,2,4-Trimethylbenzene	12.016	105	451731	10.366	ug/L		99
98) sec-Butylbenzene	12.131	105	560171	10.761	ug/L		99
99) p-Isopropyltoluene	12.278	119	479251	10.644	ug/L		99
100) 1,3-Dichlorobenzene	12.354	146	252056	10.380	ug/L		99
101) 1,4-Dichlorobenzene	12.446	146	254003	10.310	ug/L		99
102) p-Diethylbenzene	12.649	119	264573	10.439	ug/L		98
103) n-Butylbenzene	12.708	91	386971	10.902	ug/L		99
104) 1,2-Dichlorobenzene	12.864	146	221463	10.281	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.438	119	338432	9.605	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.636	155	10706	9.359	ug/L		99
107) 1,3,5-Trichlorobenzene	13.667	180	122227	10.002	ug/L		97
108) Hexachlorobutadiene	14.239	225	42373	10.413	ug/L		97
109) 1,2,4-Trichlorobenzene	14.267	180	92382	9.270	ug/L		98
110) Naphthalene	14.559	128	180483	8.630	ug/L		100
111) 1,2,3-Trichlorobenzene	14.724	180	66432	8.693	ug/L		99

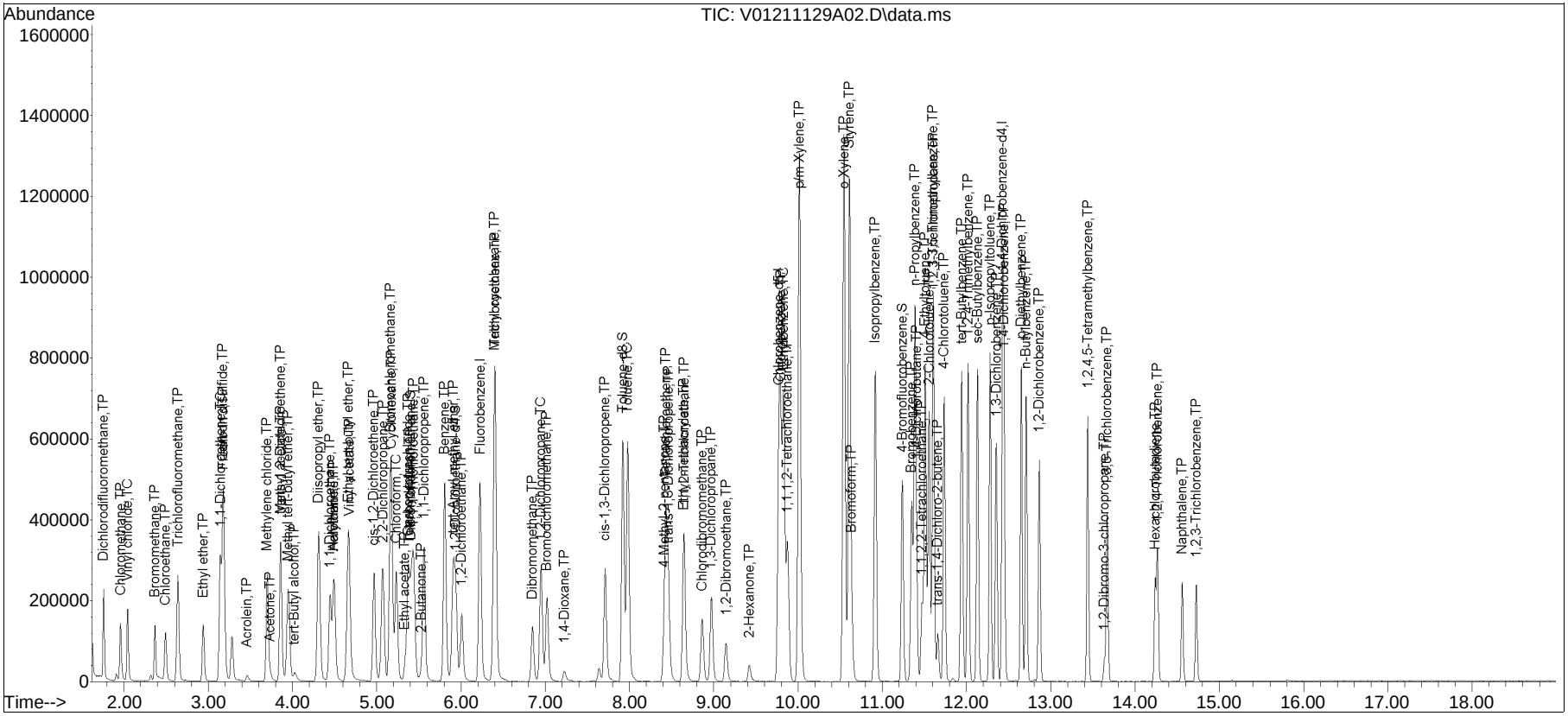
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-2
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

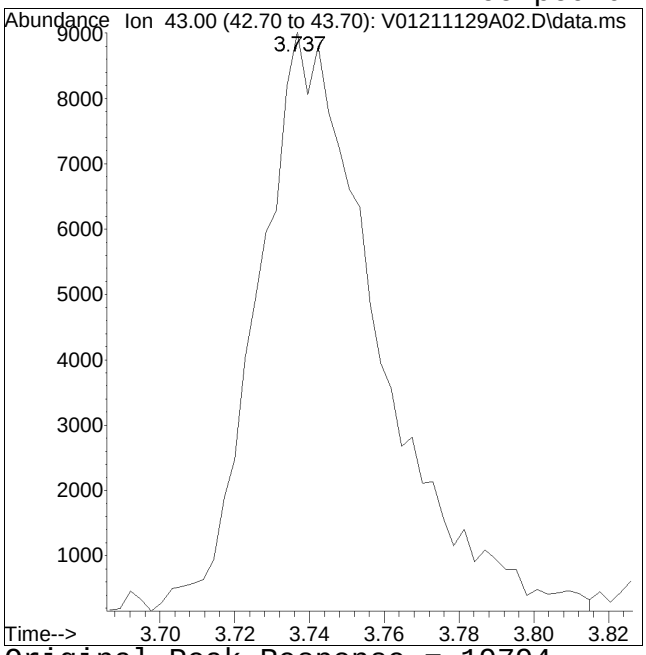
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•



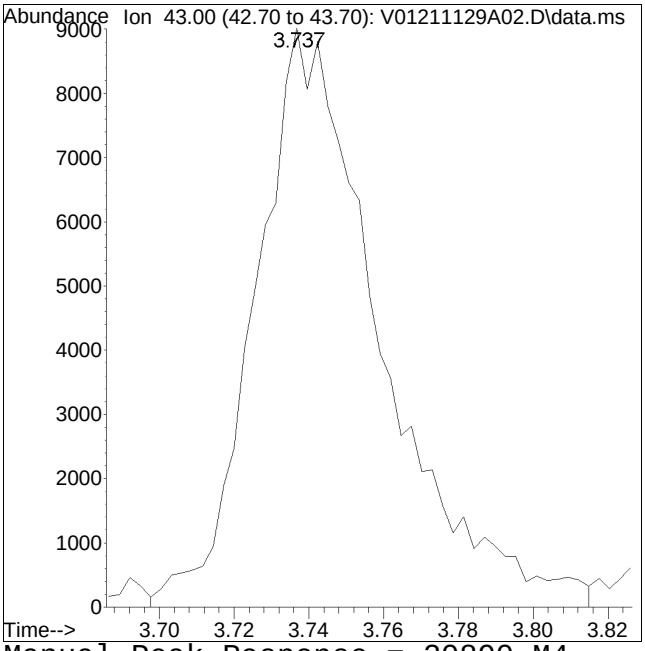
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #17: Acetone



Original Peak Response = 19794



Manual Peak Response = 20890 M4

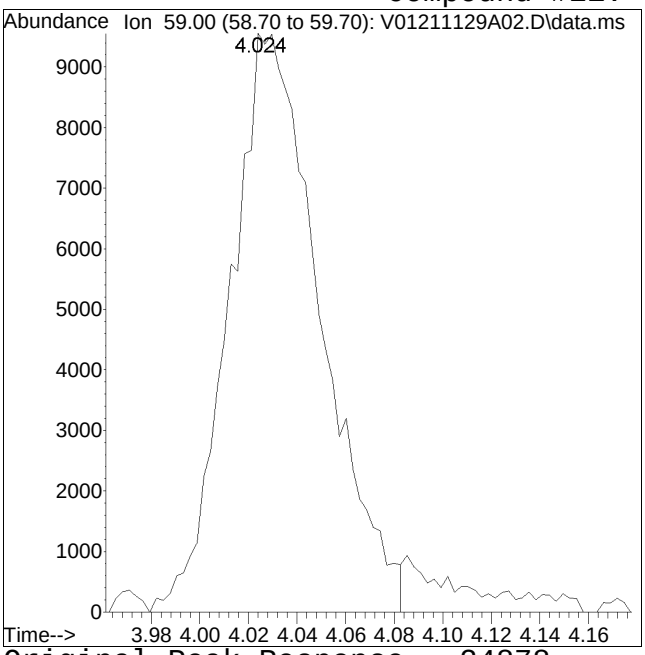
M4 = Poor automated baseline construction.

Manual Integration Report

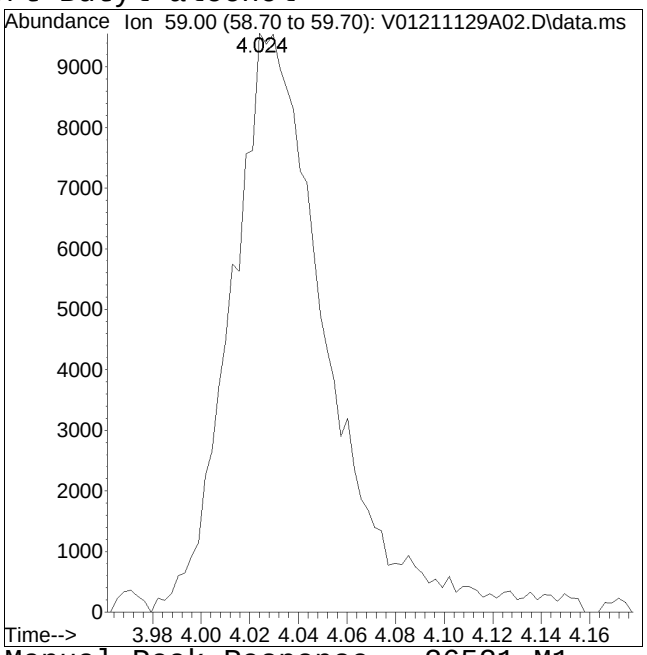
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A02.D
Date Inj'd : 11/29/2021 7:24 am
Sample : WG1577201-2

Method : V101_211104A_8260D.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 11/29/2021 7:56 am

Compound #21: tert-Butyl alcohol



Original Peak Response = 24878



Manual Peak Response = 26521 M1

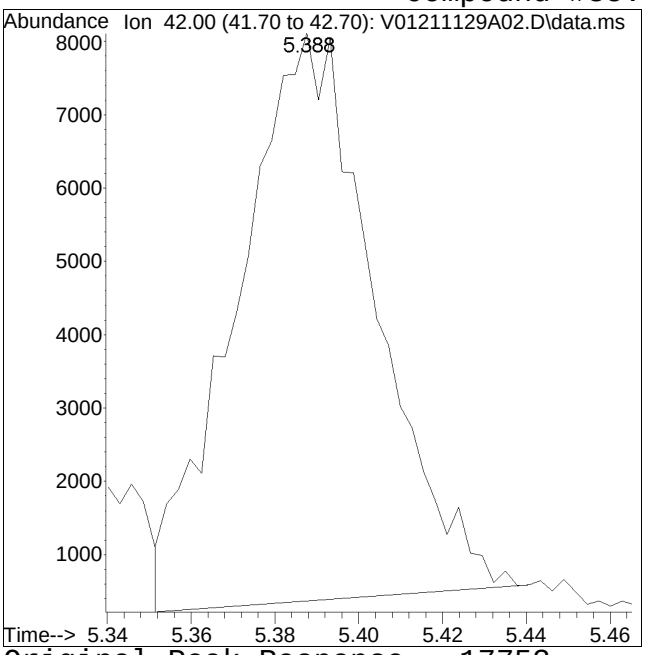
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

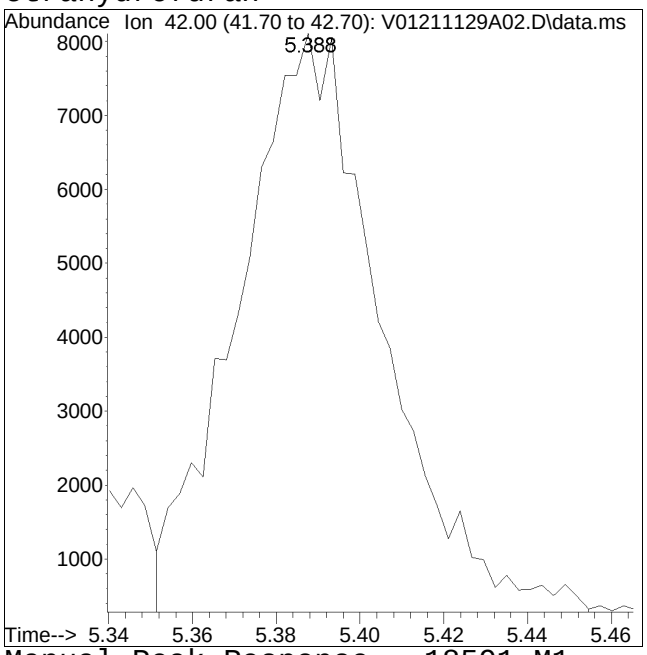
Data Path : I:\VOLATILES\VOA101\2021\2Q
Data File : V01211129A02.D
Date Inj'd : 11/29/2021 7:24 am
Sample : WG1577201-2

Method : V101_211104A_8260D.m
Operator : VOA101:PD
Instrument : VOA 101
Quant Date : 11/29/2021 7:56 am

Compound #35: Tetrahydrofuran



Original Peak Response = 17753



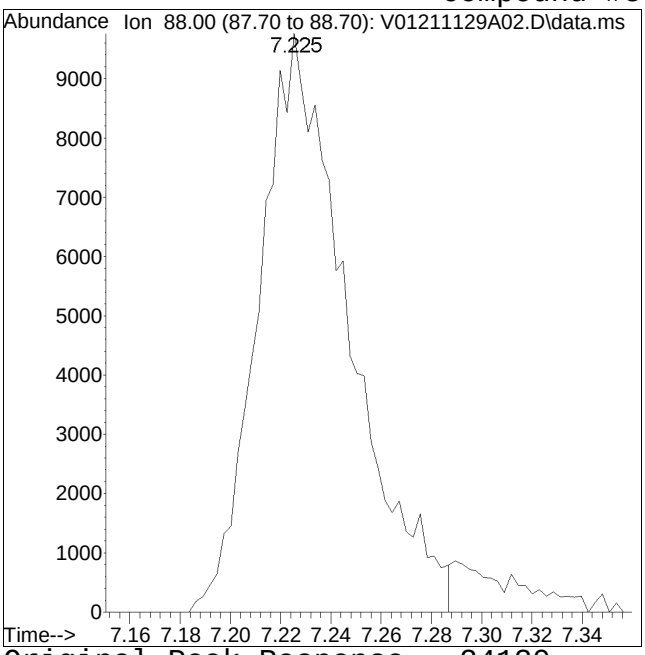
Manual Peak Response = 18591 M1

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

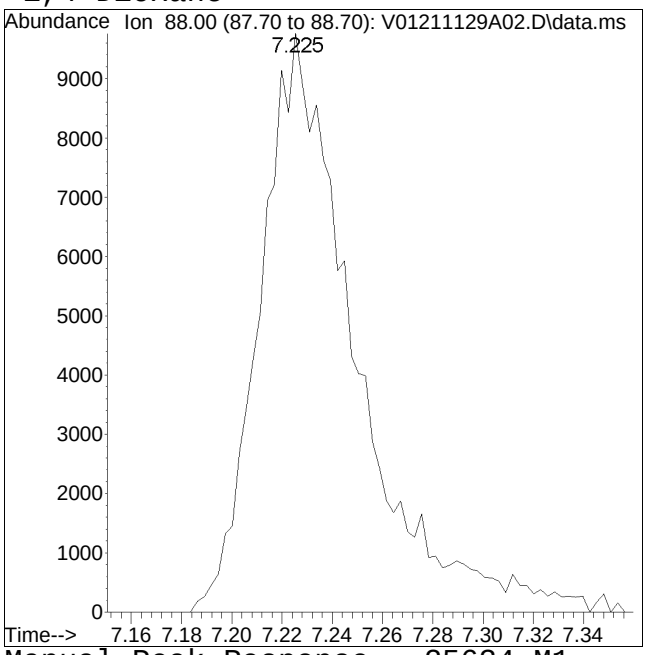
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #57: 1,4-Dioxane



Original Peak Response = 24130



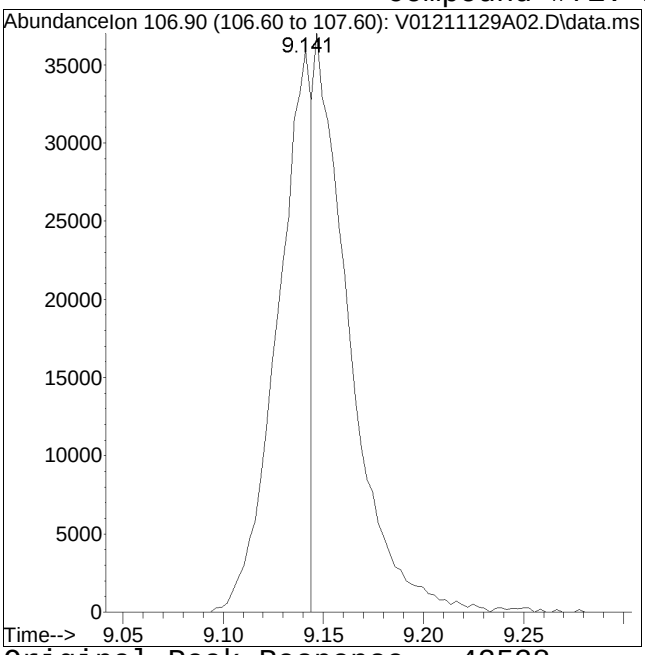
Manual Peak Response = 25634 M1

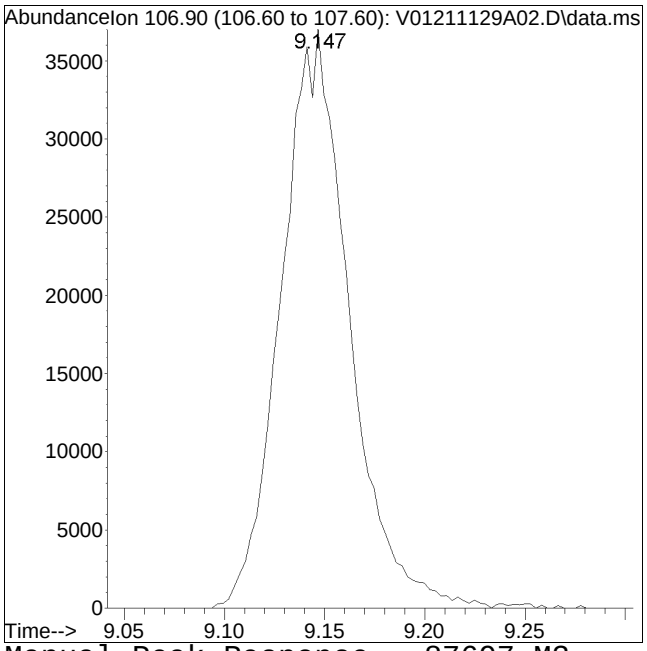
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #71: 1,2-Dibromoethane





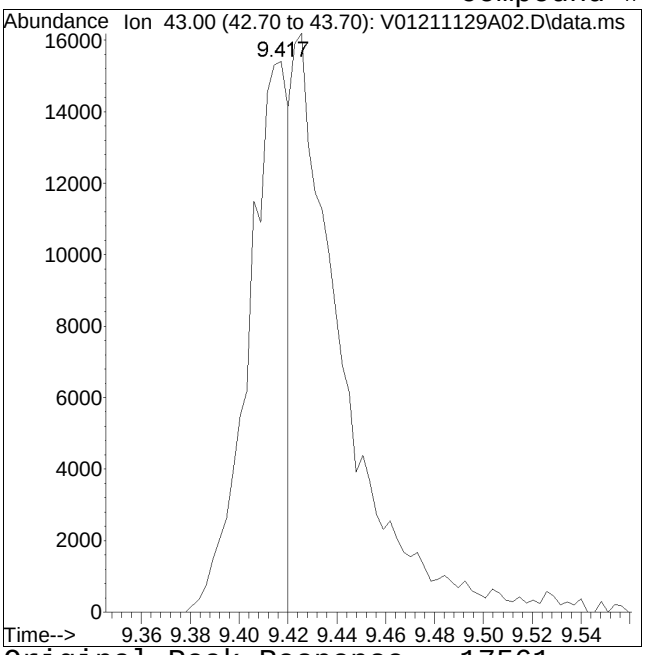
Original Peak Response = 42538 Manual Peak Response = 87697 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

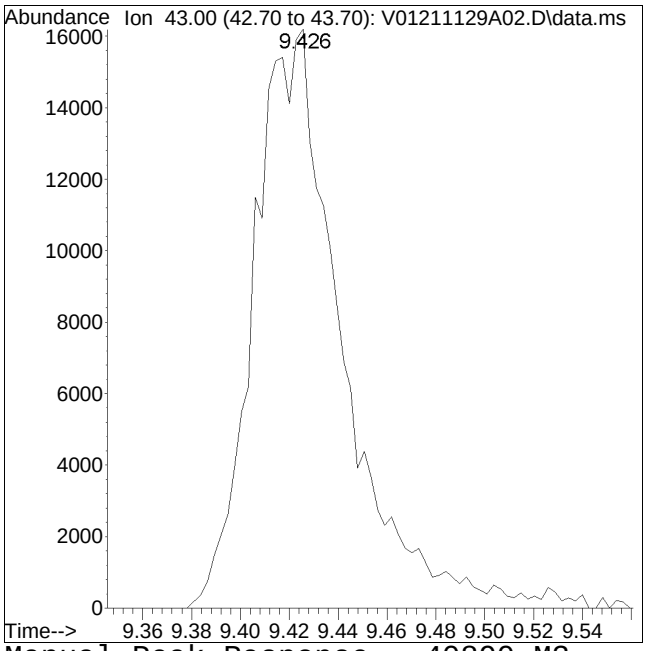
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #72: 2-Hexanone



Original Peak Response = 17561



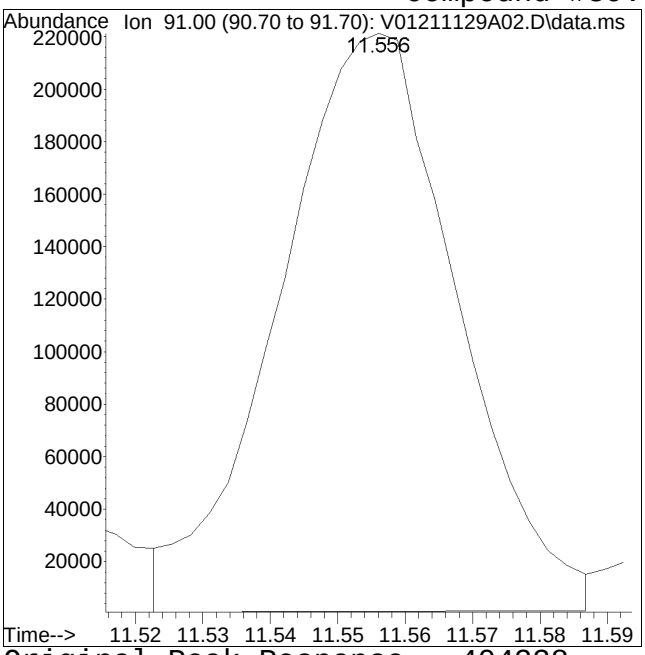
Manual Peak Response = 40890 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

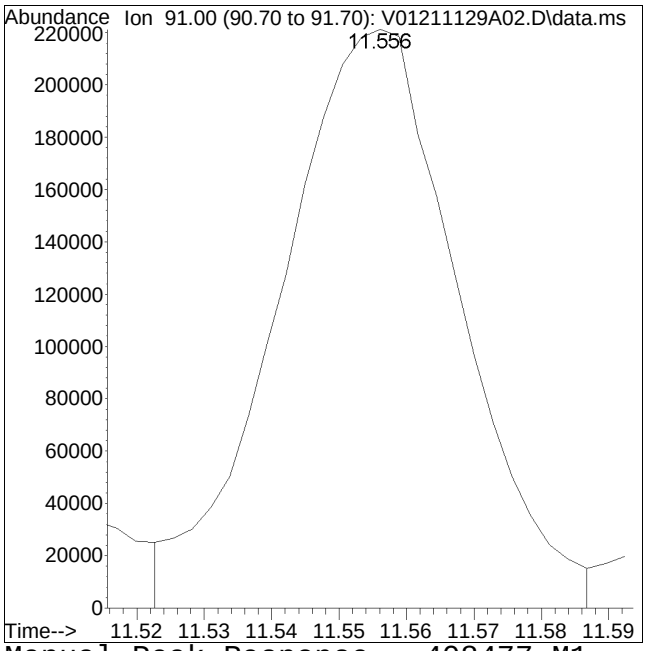
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 404338



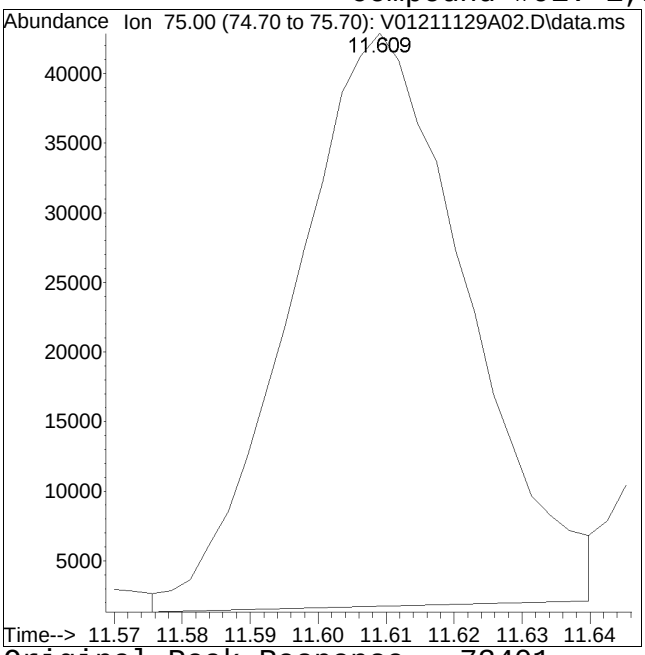
Manual Peak Response = 408477 M1

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

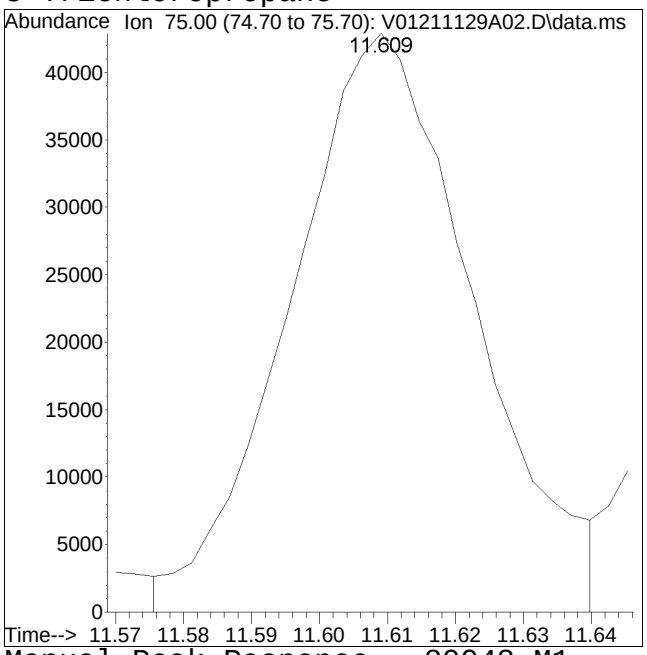
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-2 Quant Date : 11/29/2021 7:56 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 73401



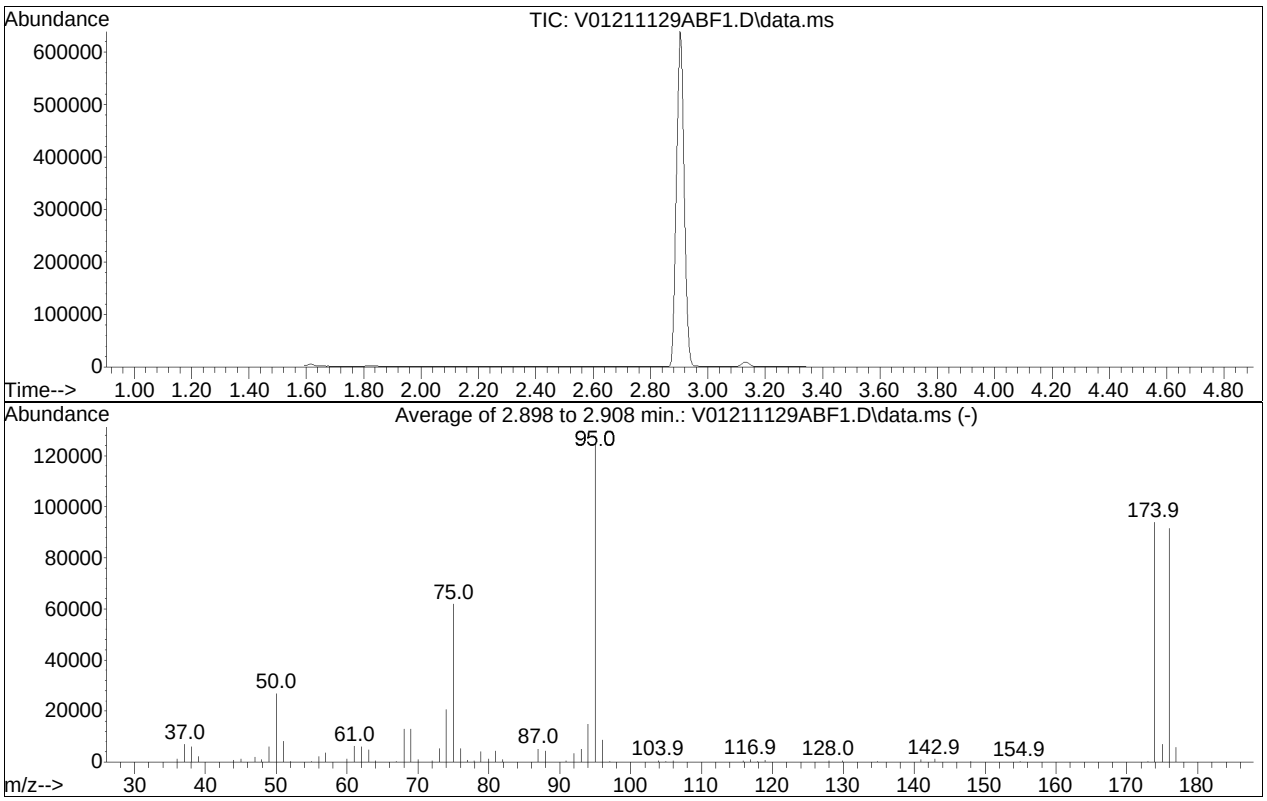
Manual Peak Response = 80048 M1

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

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129ABF1.D
Acq On : 29 Nov 2021 6:46 am
Operator : VOA101:PD
Sample : WG1577201-1
Misc : WG1577201
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Thu Nov 04 14:42:31 2021



AutoFind: Scans 250, 251, 252; Background Corrected with Scan 241

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	26811	PASS
75	95	30	60	49.5	61973	PASS
95	95	100	100	100.0	125144	PASS
96	95	5	9	7.0	8741	PASS
173	174	0.00	2	0.4	392	PASS
174	95	50	100	75.1	93936	PASS
175	174	5	9	7.5	7069	PASS
176	174	95	101	97.6	91677	PASS
177	176	5	9	6.3	5769	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 29 09:39:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.224	96	514833	10.000 ug/L	0.00
Standard Area 1 = 521137			Recovery = 98.79%		
59) Chlorobenzene-d5	9.774	117	424013	10.000 ug/L	0.00
Standard Area 1 = 373965			Recovery = 113.38%		
79) 1,4-Dichlorobenzene-d4	12.429	152	207303	10.000 ug/L	0.00
Standard Area 1 = 199324			Recovery = 104.00%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.410	113	135171	10.251 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.51%		
43) 1,2-Dichloroethane-d4	5.940	65	153737	10.460 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.60%		
60) Toluene-d8	7.923	98	544359	10.388 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.88%		
83) 4-Bromofluorobenzene	11.235	95	198660	10.515 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.15%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.958	50	776	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.448	94	27	N.D.	
6) Chloroethane	2.401	64	88	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.173	76	2362	0.072 ug/L #	75
15) Methylene chloride	3.709	84	771	N.D.	
17) Acetone	3.737	43	87	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
25) Acrylonitrile	0.000		0	N.D.	
27) Vinyl acetate	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	5.050	96	43	N.D.	
29) 2,2-Dichloropropane	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
32) Chloroform	5.237	83	388	N.D.	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 29 09:39:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	5.817	78	33		N.D.	
44) 1,2-Dichloroethane	6.015	62	116		N.D.	
48) Trichloroethene	6.392	95	106		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.989	92	30		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	9.791	112	230		N.D.	
74) Ethylbenzene	9.819	91	63		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	10.022	106	88		N.D.	
77) o Xylene	10.558	106	168		N.D.	
78) Styrene	10.633	104	86		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.912	105	158		N.D.	
84) Bromobenzene	11.350	156	69		N.D.	
85) n-Propylbenzene	11.400	91	699		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.617	105	560		N.D.	
89) 2-Chlorotoluene	11.564	91	230		N.D.	
90) 1,3,5-Trimethylbenzene	11.604	105	168		N.D.	
91) 1,2,3-Trichloropropane	11.617	75	27		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	11.743	91	142		N.D.	
94) tert-Butylbenzene	11.941	119	640		N.D.	

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 29 09:39:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.036	105	616	N.D.		
98)	sec-Butylbenzene	12.131	105	493	N.D.		
99)	p-Isopropyltoluene	12.281	119	1279	N.D.		
100)	1,3-Dichlorobenzene	12.362	146	260	N.D.		
101)	1,4-Dichlorobenzene	12.432	146	321	N.D.		
102)	p-Diethylbenzene	12.660	119	841	N.D.		
103)	n-Butylbenzene	12.722	91	1348	N.D.		
104)	1,2-Dichlorobenzene	12.872	146	203	N.D.		
105)	1,2,4,5-Tetramethylben...	13.438	119	1355	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108)	Hexachlorobutadiene	14.236	225	106	N.D.		
109)	1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
110)	Naphthalene	14.565	128	2027M1	0.093	ug/L	
111)	1,2,3-Trichlorobenzene	14.735	180	753	0.095	ug/L #	77

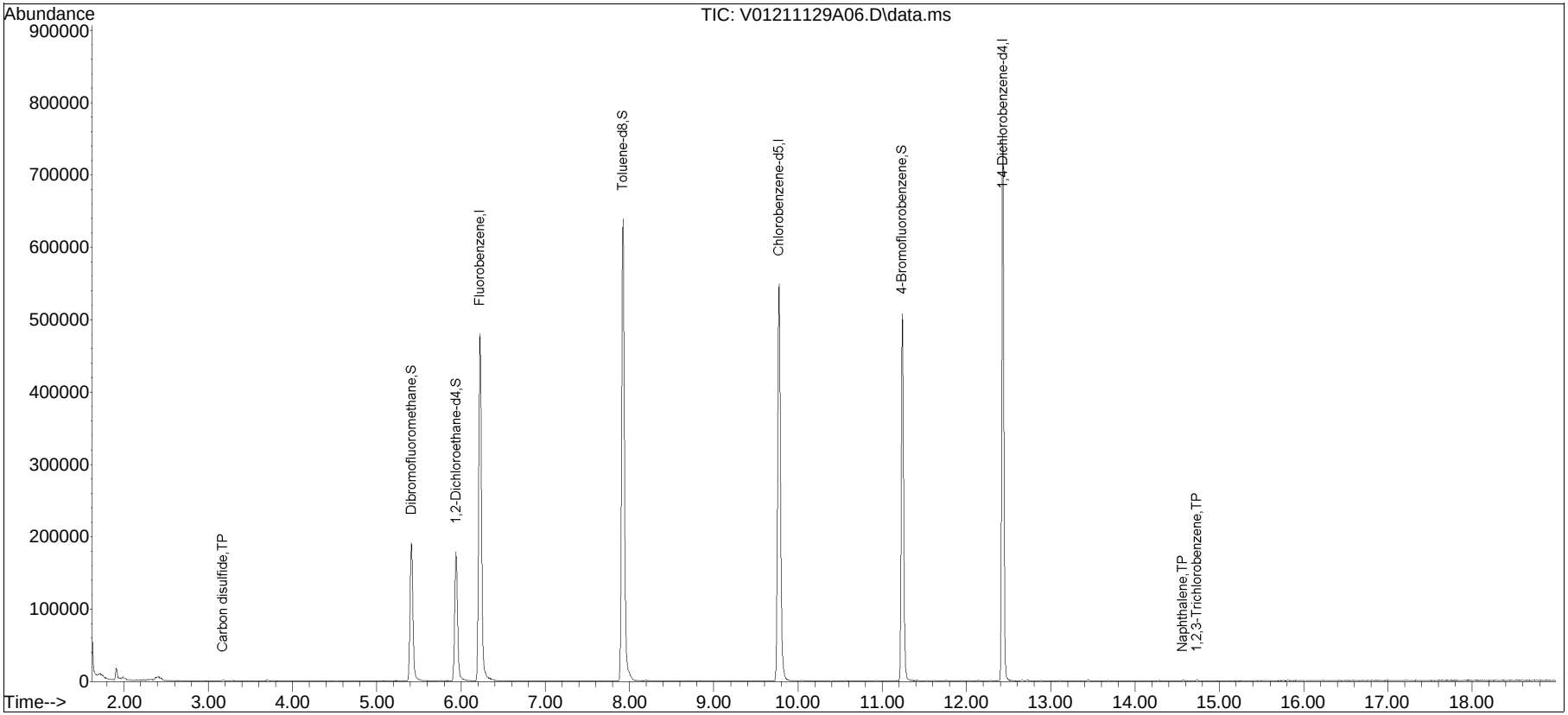
(#) = qualifier out of range (m) = manual integration (+) = signals summed

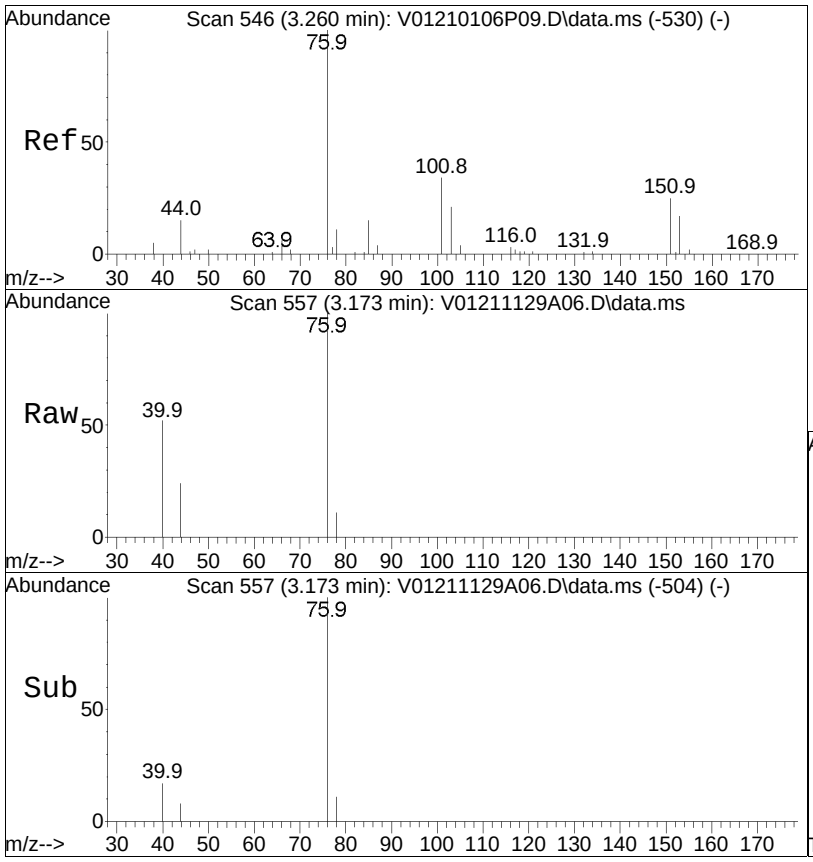
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 29 09:39:58 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

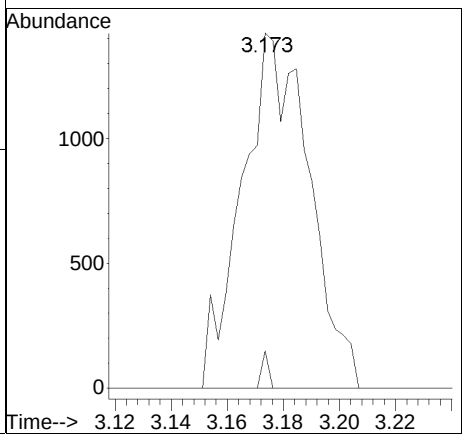


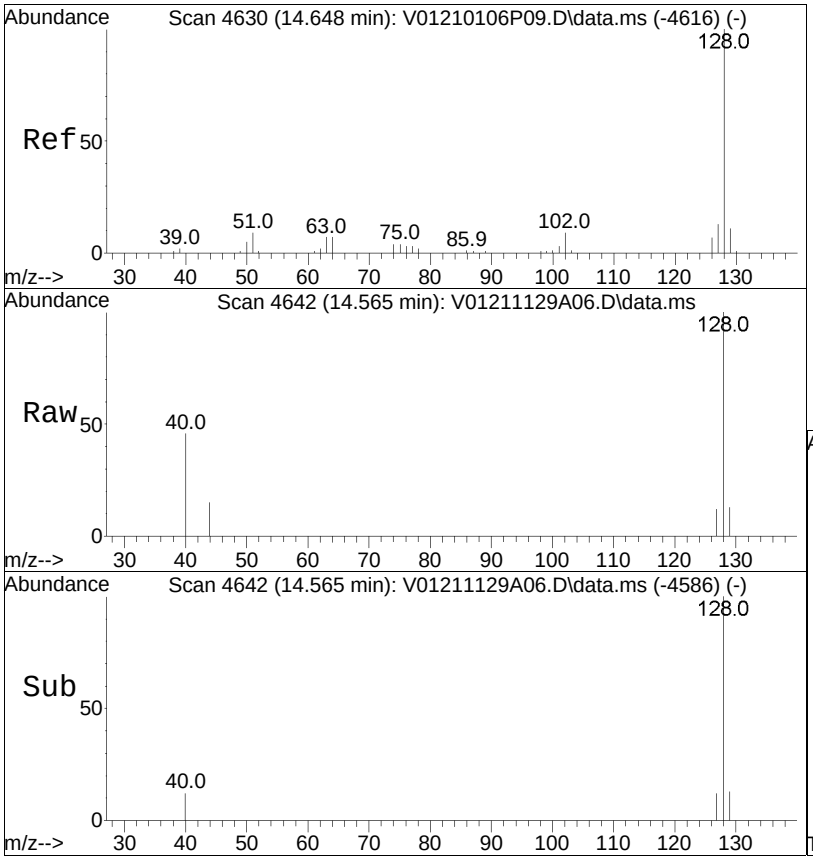


#11
Carbon disulfide
Concen: 0.07 ug/L
RT: 3.173 min Scan# 557
Delta R.T. -0.003 min
Lab File: V01211129A06.D
Acq: 29 Nov 2021 8:56 am

Tgt Ion: 76 Resp: 2362

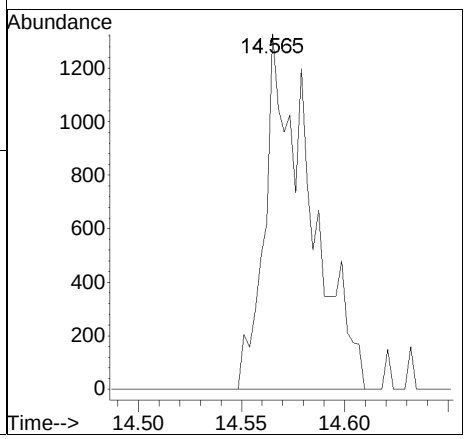
Ion	Ratio	Lower	Upper
76	100		
78	1.1	6.6	13.8#

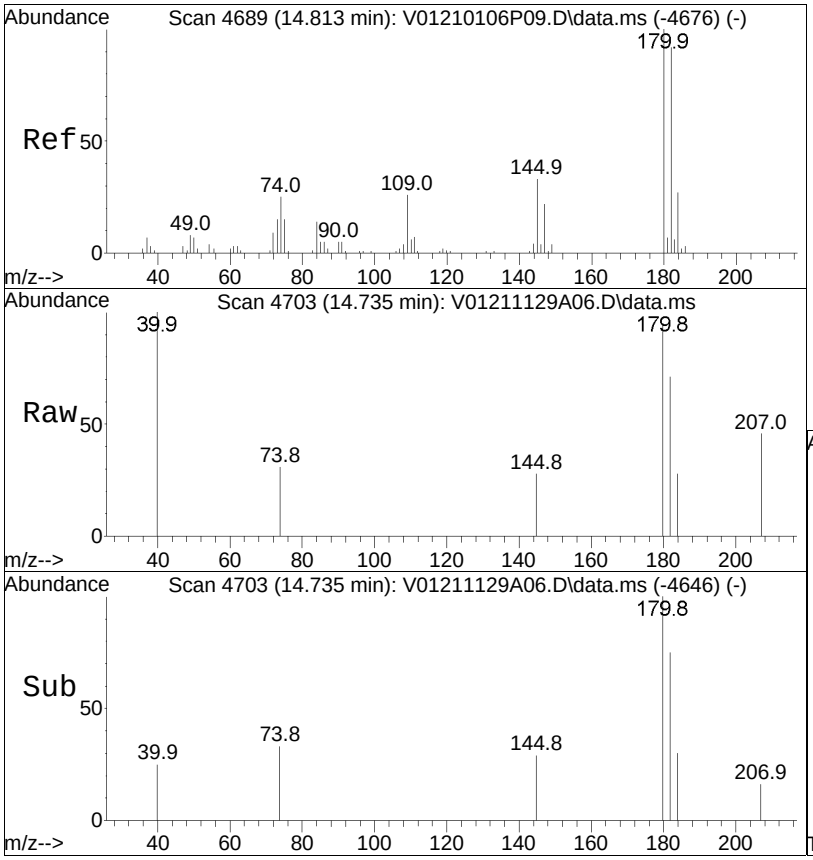




#110
Naphthalene
Concen: 0.09 ug/L M1
RT: 14.565 min Scan# 4642
Delta R.T. 0.006 min
Lab File: V01211129A06.D
Acq: 29 Nov 2021 8:56 am

Tgt Ion:128 Resp: 2027

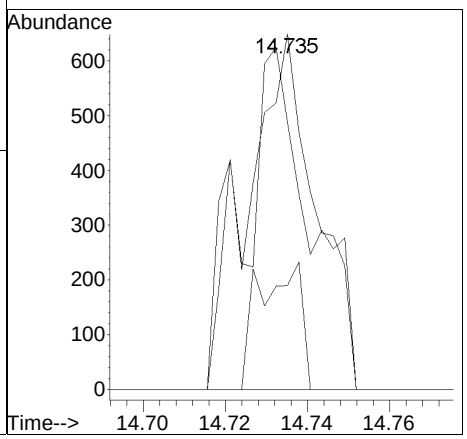




#111
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.735 min Scan# 4703
Delta R.T. 0.008 min
Lab File: V01211129A06.D
Acq: 29 Nov 2021 8:56 am

Tgt Ion:180 Resp: 753

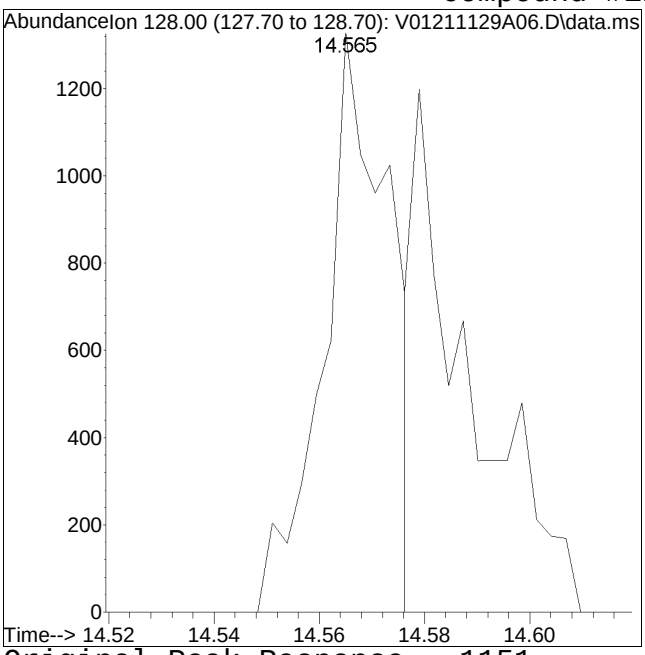
Ion	Ratio	Lower	Upper
180	100		
182	69.7	75.4	113.0#
145	21.9	25.0	37.6#

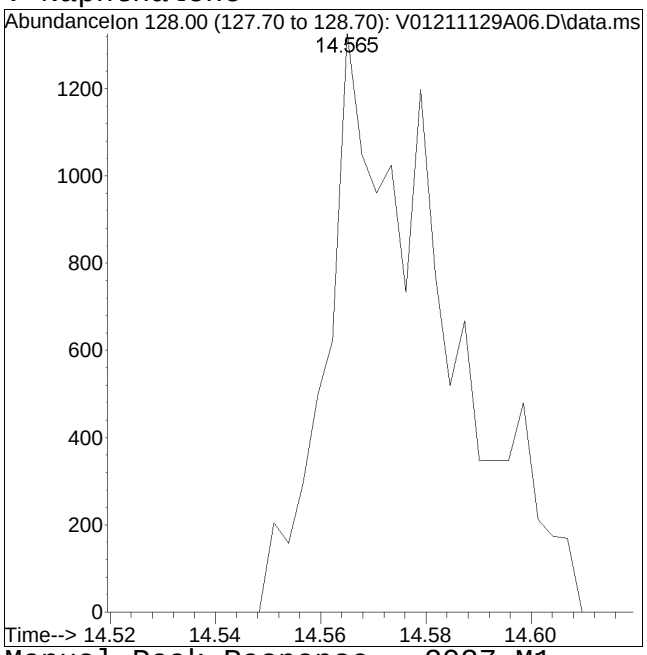


Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A06.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 8:56 am Instrument : VOA 101
Sample : WG1577201-5,31,10,10 Quant Date : 11/29/2021 9:39 am

Compound #110: Naphthalene





Original Peak Response = 1151 Manual Peak Response = 2027 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

LSC Area Percent Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

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

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

Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Title : VOLATILES BY GC/MS

Signal : TIC: V01211129A06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.410	1340	1359	1390	rBV3	191162	451218	30.23%	6.435%
2	5.940	1527	1549	1588	rBV2	178851	423886	28.40%	6.045%
3	6.224	1631	1651	1684	rBV	480557	1116843	74.82%	15.927%
4	7.923	2234	2260	2310	rBV	639102	1492668	100.00%	21.287%
5	9.774	2903	2924	2960	rBV2	548584	1293317	86.64%	18.444%
6	11.238	3433	3449	3486	rBV2	507432	968926	64.91%	13.818%
7	12.429	3860	3876	3905	rBV	755387	1265298	84.77%	18.044%

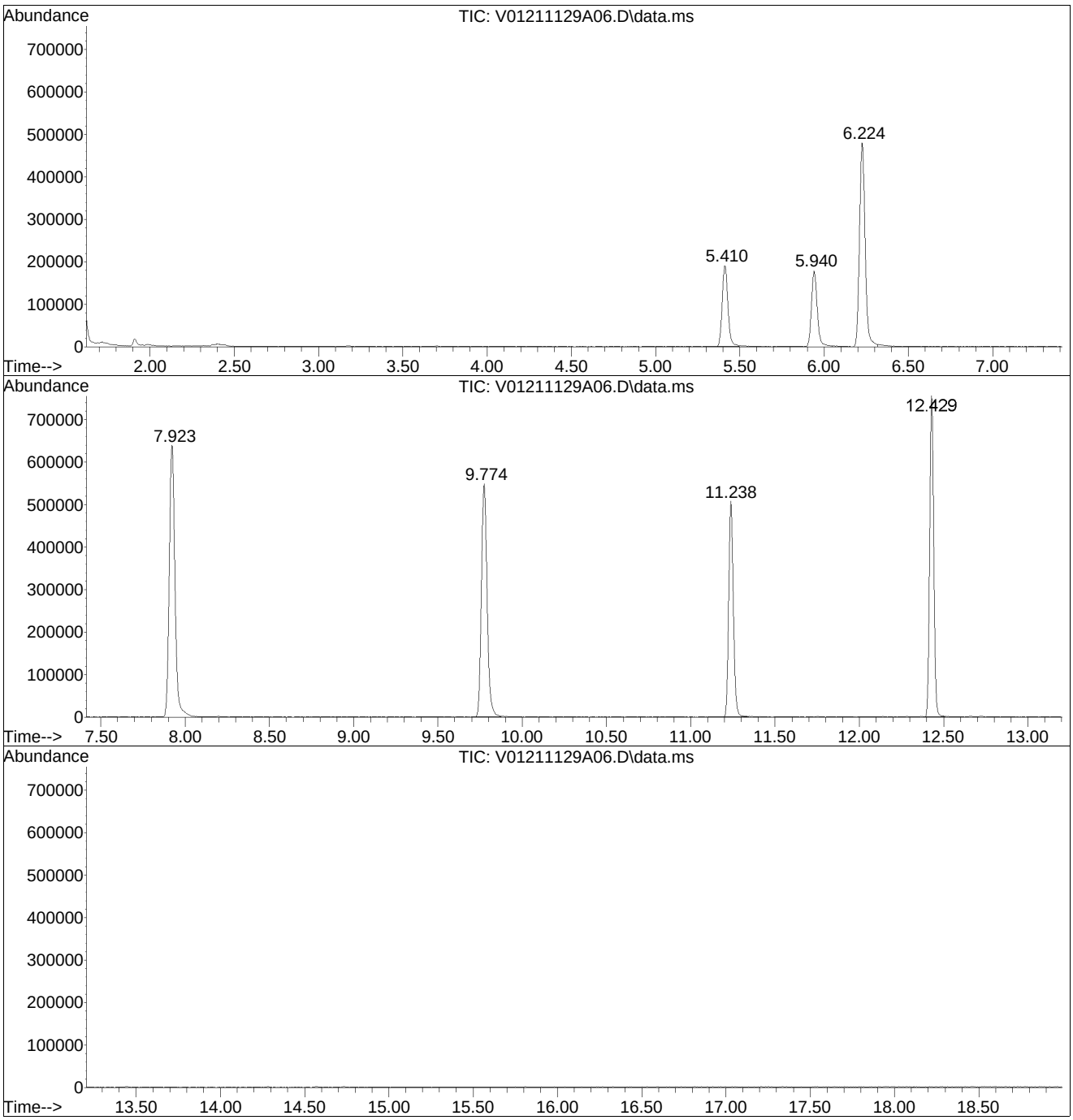
Sum of corrected areas: 7012156

LSC Report - Integrated Chromatogram

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A06.D
Acq On : 29 Nov 2021 8:56 am
Operator : VOA101:PD
Sample : WG1577201-5,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 6 Sample Multiplier: 1

Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-3,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	521137	10.000	ug/L	0.00
Standard Area 1 = 521137			Recovery = 100.00%			
59) Chlorobenzene-d5	9.771	117	373965	10.000	ug/L	0.00
Standard Area 1 = 373965			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.426	152	199324	10.000	ug/L	0.00
Standard Area 1 = 199324			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.407	113	127915	9.584	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.84%			
43) 1,2-Dichloroethane-d4	5.937	65	144112	9.687	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.87%			
60) Toluene-d8	7.920	98	482426	10.438	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.38%			
83) 4-Bromofluorobenzene	11.238	95	185761	10.226	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	142366	10.253	ug/L	100
3) Chloromethane	1.960	50	123995	8.253	ug/L	100
4) Vinyl chloride	2.044	62	145267	10.169	ug/L	98
5) Bromomethane	2.368	94	63069	5.975	ug/L	100
6) Chloroethane	2.496	64	99334	10.488	ug/L	98
7) Trichlorofluoromethane	2.641	101	217923	10.391	ug/L	97
8) Ethyl ether	2.942	74	55995	9.955	ug/L	96
10) 1,1-Dichloroethene	3.146	96	114107	9.753	ug/L	97
11) Carbon disulfide	3.176	76	307047	9.289	ug/L	99
15) Methylene chloride	3.698	84	120987	9.284	ug/L	97
17) Acetone	3.737	43	20890M4	7.538	ug/L	
18) trans-1,2-Dichloroethene	3.859	96	123793	9.588	ug/L	99
20) Methyl tert-butyl ether	3.949	73	258600	9.351	ug/L	98
23) 1,1-Dichloroethane	4.445	63	236112	9.617	ug/L	99
25) Acrylonitrile	4.492	53	24102	9.839	ug/L	96
27) Vinyl acetate	4.674	43	215823	9.961	ug/L	99
28) cis-1,2-Dichloroethene	4.967	96	134354	9.448	ug/L	100
29) 2,2-Dichloropropane	5.075	77	200663	10.075	ug/L	96
30) Bromochloromethane	5.165	128	59901	9.798	ug/L	98
32) Chloroform	5.231	83	226787	9.575	ug/L	99

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-3,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.376	117	185280	9.498	ug/L		96
37) 1,1,1-Trichloroethane	5.435	97	210711	9.731	ug/L		99
39) 2-Butanone	5.530	43	24773	7.732	ug/L	#	46
40) 1,1-Dichloropropene	5.563	75	175350	9.809	ug/L	#	85
41) Benzene	5.806	78	481951	9.472	ug/L		98
44) 1,2-Dichloroethane	6.007	62	155264	9.479	ug/L		99
48) Trichloroethene	6.405	95	142307	9.972	ug/L		99
50) Dibromomethane	6.846	93	63755	9.326	ug/L		98
51) 1,2-Dichloropropane	6.949	63	124498	9.487	ug/L		99
54) Bromodichloromethane	7.019	83	163034	9.002	ug/L		99
57) 1,4-Dioxane	7.225	88	25634M1	668.620	ug/L		
58) cis-1,3-Dichloropropene	7.711	75	182850	9.155	ug/L		93
61) Toluene	7.978	92	312787	10.428	ug/L		100
62) 4-Methyl-2-pentanone	8.411	58	23721	9.652	ug/L		99
63) Tetrachloroethene	8.433	166	140286	10.658	ug/L		97
65) trans-1,3-Dichloropropene	8.463	75	154139	10.006	ug/L		93
68) 1,1,2-Trichloroethane	8.648	83	74215	10.201	ug/L		97
69) Chlorodibromomethane	8.862	129	107398	9.839	ug/L		99
70) 1,3-Dichloropropane	8.971	76	152877	10.349	ug/L		100
71) 1,2-Dibromoethane	9.147	107	87697M3	10.381	ug/L		
72) 2-Hexanone	9.426	43	40890M3	9.050	ug/L		
73) Chlorobenzene	9.796	112	343544	10.259	ug/L		99
74) Ethylbenzene	9.830	91	619536	10.477	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.872	131	126360	10.290	ug/L		98
76) p/m Xylene	10.014	106	479141	20.565	ug/L		98
77) o Xylene	10.544	106	449005	20.231	ug/L		100
78) Styrene	10.608	104	730328	20.506	ug/L		99
80) Bromoform	10.636	173	58784	9.446	ug/L		99
82) Isopropylbenzene	10.917	105	604748	10.611	ug/L		100
84) Bromobenzene	11.347	156	136642	10.231	ug/L		100
85) n-Propylbenzene	11.386	91	700362	10.648	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.470	83	96988	10.833	ug/L		99
88) 4-Ethyltoluene	11.509	105	568055	10.401	ug/L		100
89) 2-Chlorotoluene	11.556	91	408477M1	10.604	ug/L		
90) 1,3,5-Trimethylbenzene	11.604	105	469613	10.385	ug/L		100
91) 1,2,3-Trichloropropane	11.609	75	80048M1	10.369	ug/L		
92) trans-1,4-Dichloro-2-b...	11.659	53	28314	10.268	ug/L	#	77
93) 4-Chlorotoluene	11.735	91	413358	10.407	ug/L		100
94) tert-Butylbenzene	11.941	119	403462	10.643	ug/L		99

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-3,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	12.016	105	451731	10.366	ug/L	99
98)	sec-Butylbenzene	12.131	105	560171	10.761	ug/L	99
99)	p-Isopropyltoluene	12.278	119	479251	10.644	ug/L	99
100)	1,3-Dichlorobenzene	12.354	146	252056	10.380	ug/L	99
101)	1,4-Dichlorobenzene	12.446	146	254003	10.310	ug/L	99
102)	p-Diethylbenzene	12.649	119	264573	10.439	ug/L	98
103)	n-Butylbenzene	12.708	91	386971	10.902	ug/L	99
104)	1,2-Dichlorobenzene	12.864	146	221463	10.281	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.438	119	338432	9.605	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.636	155	10706	9.359	ug/L	99
108)	Hexachlorobutadiene	14.239	225	42373	10.413	ug/L	97
109)	1,2,4-Trichlorobenzene	14.267	180	92382	9.270	ug/L	98
110)	Naphthalene	14.559	128	180483	8.630	ug/L	100
111)	1,2,3-Trichlorobenzene	14.724	180	66432	8.693	ug/L	99

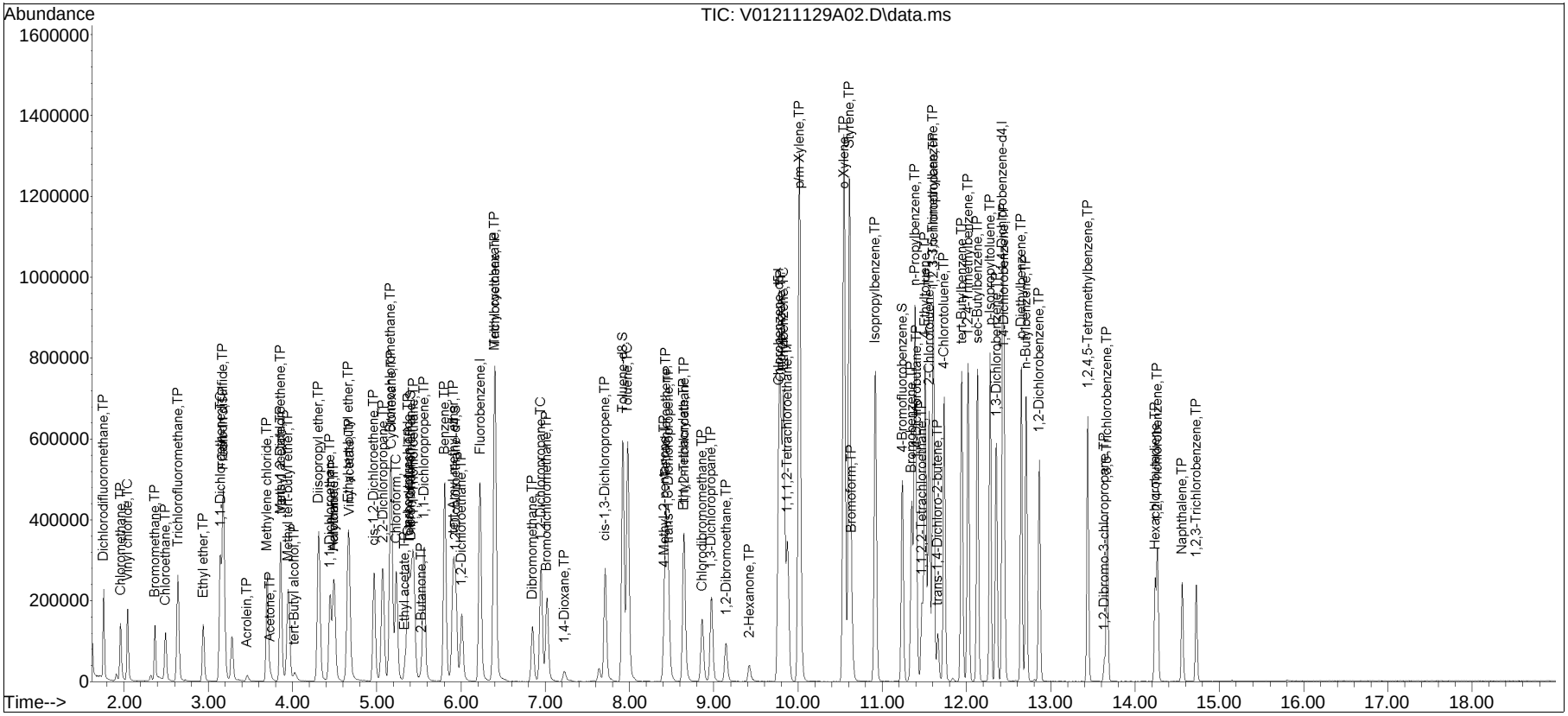
(#) = qualifier out of range (m) = manual integration (+) = signals summed

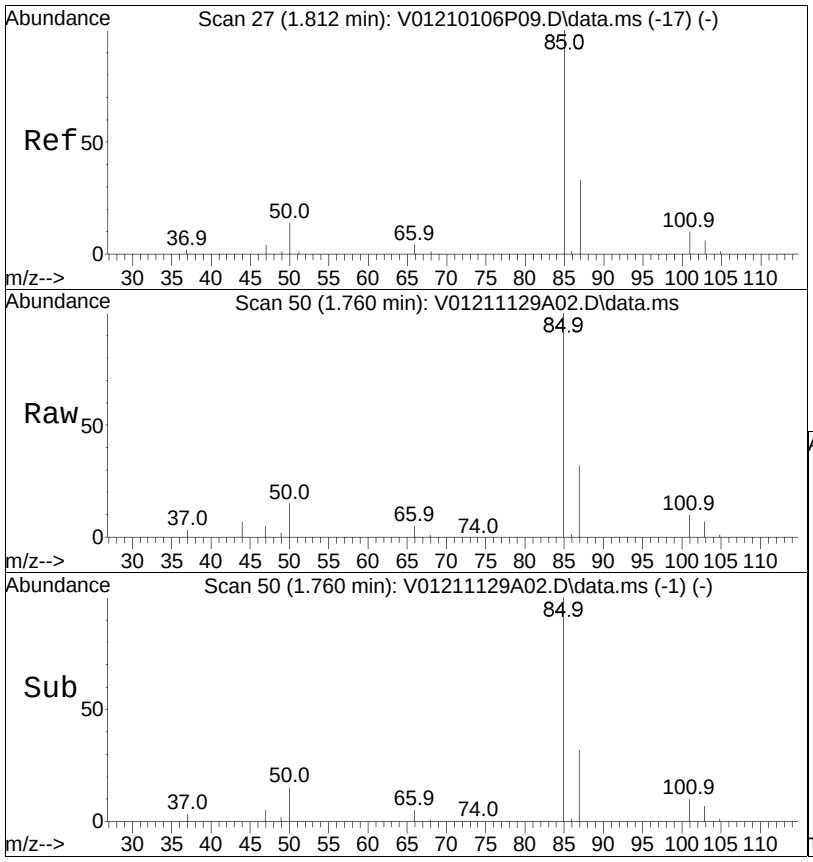
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A02.D
Acq On : 29 Nov 2021 7:24 am
Operator : VOA101:PD
Sample : WG1577201-3,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 29 07:57:45 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

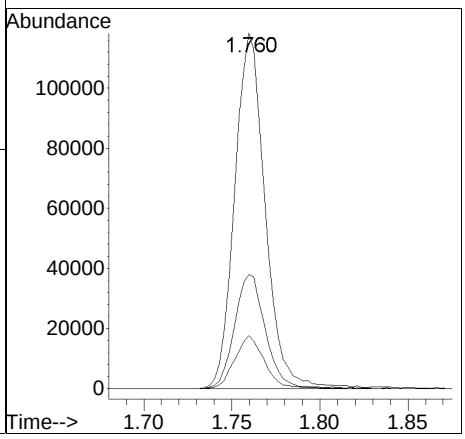


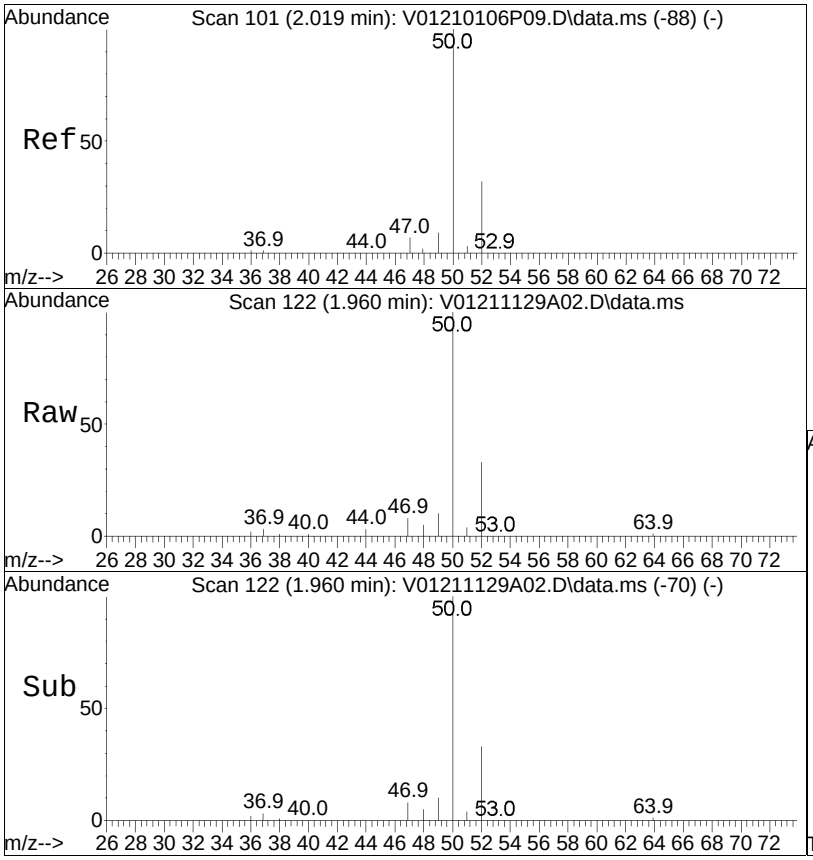


#2
Dichlorodifluoromethane
Concen: 10.25 ug/L
RT: 1.760 min Scan# 50
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 85 Resp: 142366

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.9	43.5
50	14.2	9.1	18.9

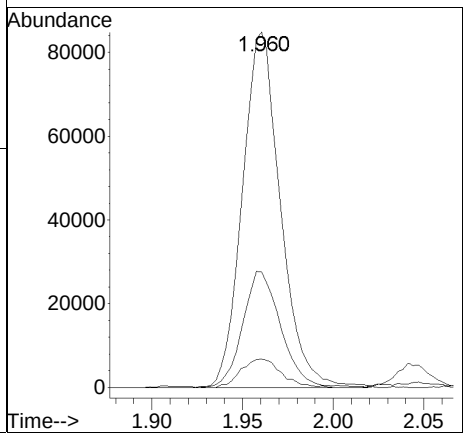


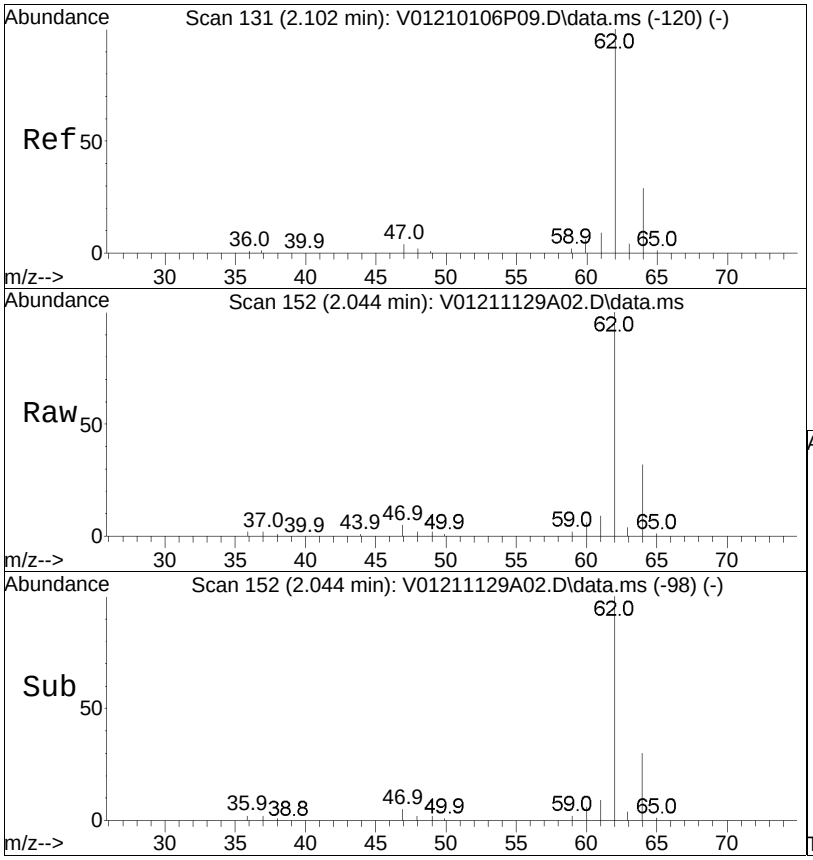


#3
Chloromethane
Concen: 8.25 ug/L
RT: 1.960 min Scan# 122
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 50 Resp: 123995

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.8	52.8
47	8.4	0.0	28.3

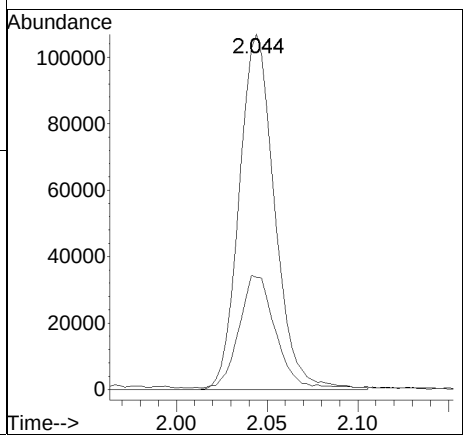


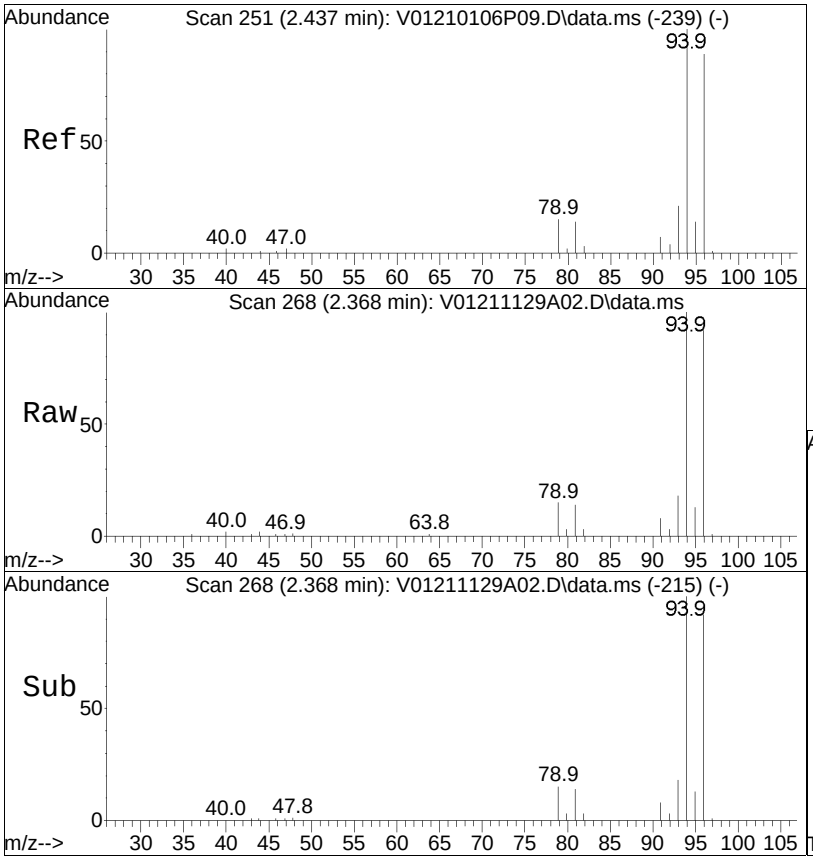


#4
Vinyl chloride
Concen: 10.17 ug/L
RT: 2.044 min Scan# 152
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 62 Resp: 145267

Ion	Ratio	Lower	Upper
62	100		
64	31.7	10.8	50.8

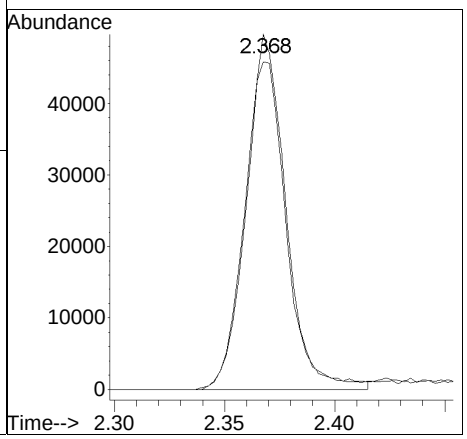


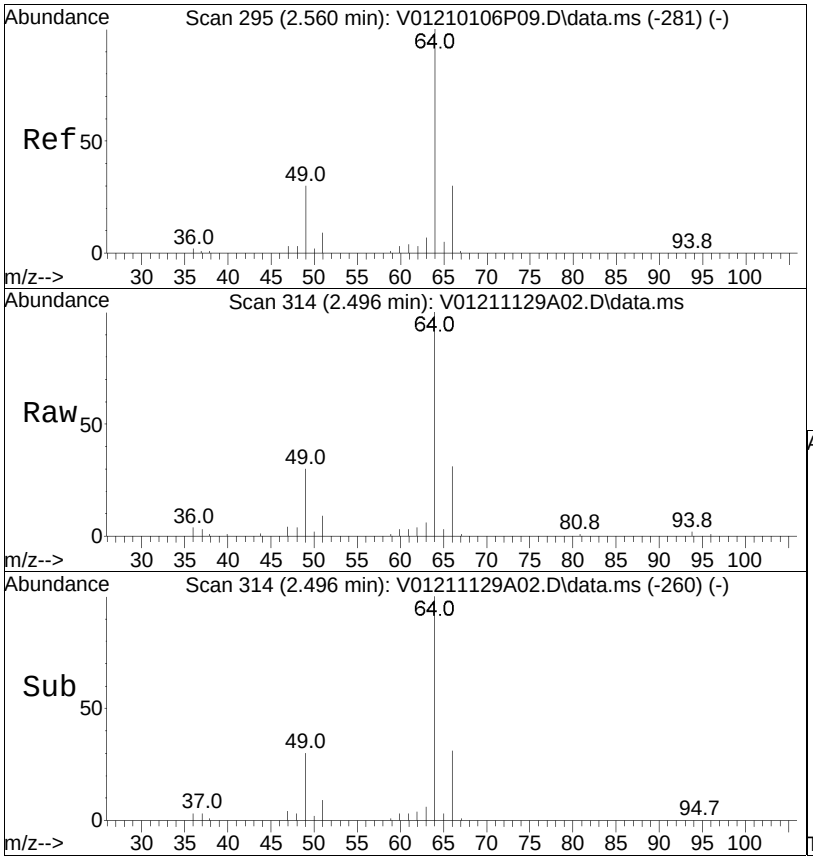


#5
Bromomethane
Concen: 5.98 ug/L
RT: 2.368 min Scan# 268
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 94 Resp: 63069

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.6	113.6

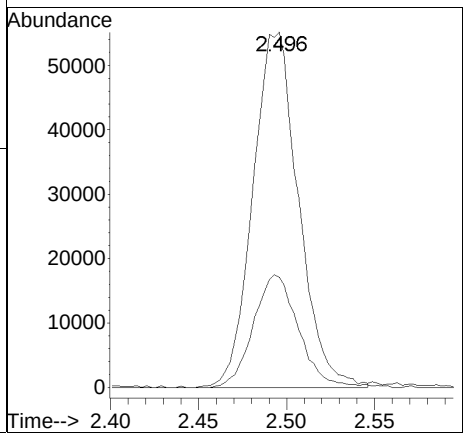


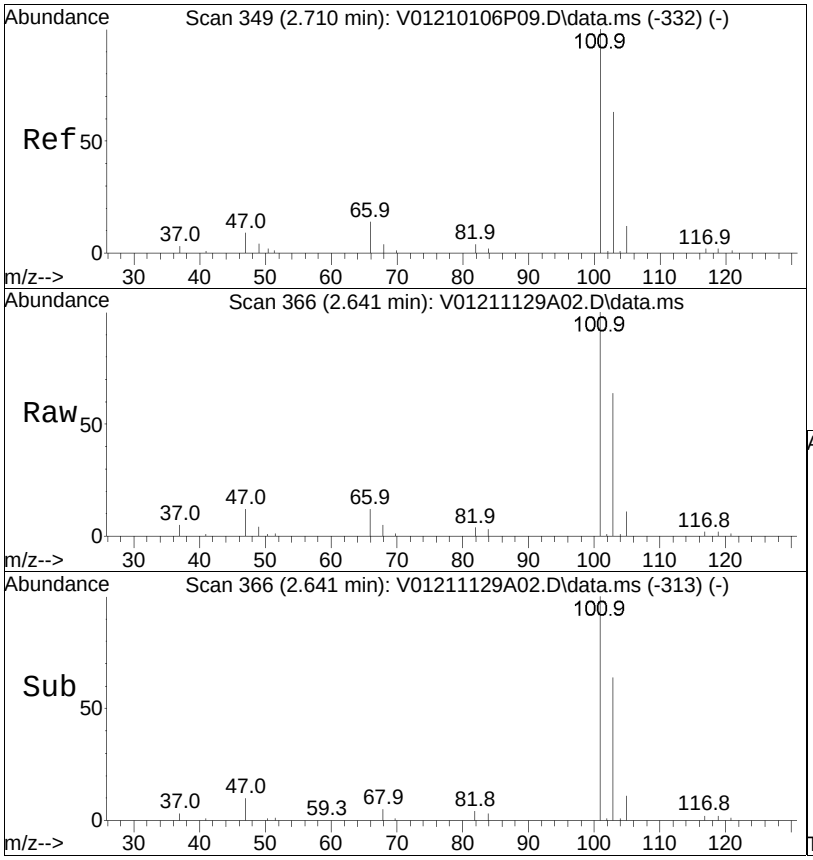


#6
Chloroethane
Concen: 10.49 ug/L
RT: 2.496 min Scan# 314
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 64 Resp: 99334

Ion	Ratio	Lower	Upper
64	100		
66	31.4	12.7	52.7

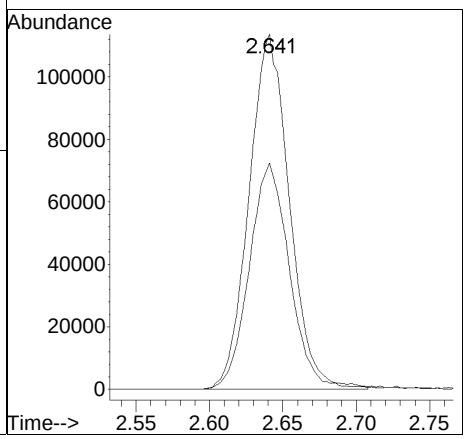


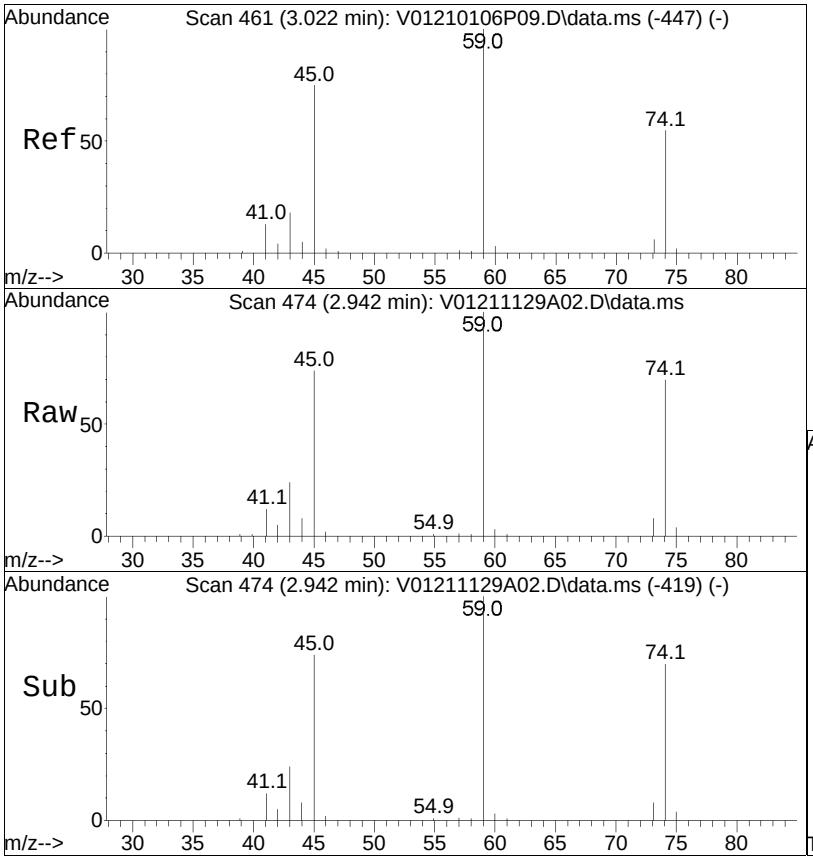


#7
Trichlorofluoromethane
Concen: 10.39 ug/L
RT: 2.641 min Scan# 366
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:101 Resp: 217923

Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.3	78.5

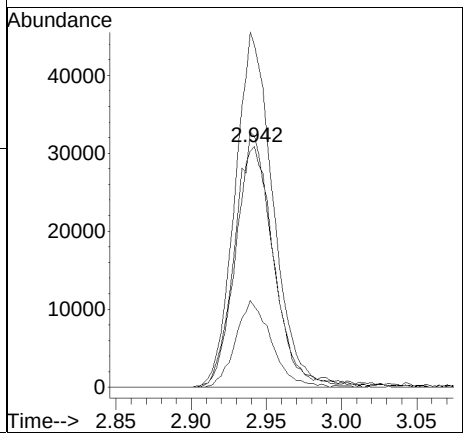


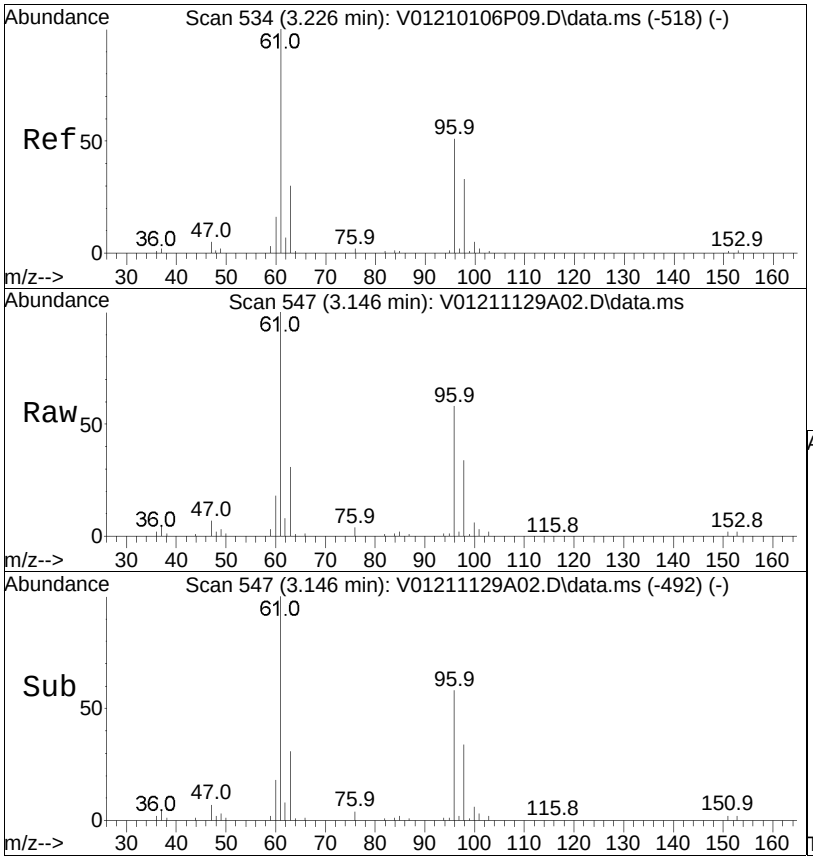


#8
Ethyl ether
Concen: 9.96 ug/L
RT: 2.942 min Scan# 474
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 74 Resp: 55995

Ion	Ratio	Lower	Upper
74	100		
59	142.1	88.1	182.9
45	103.5	66.1	137.3
43	33.1	19.7	40.9

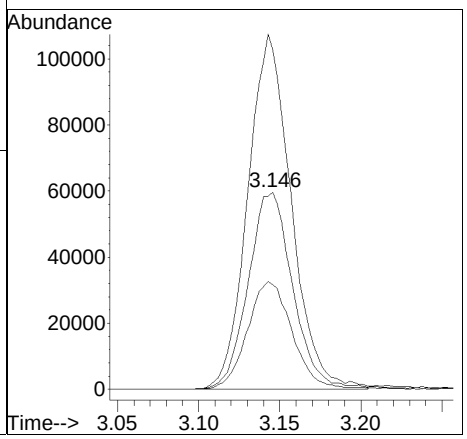


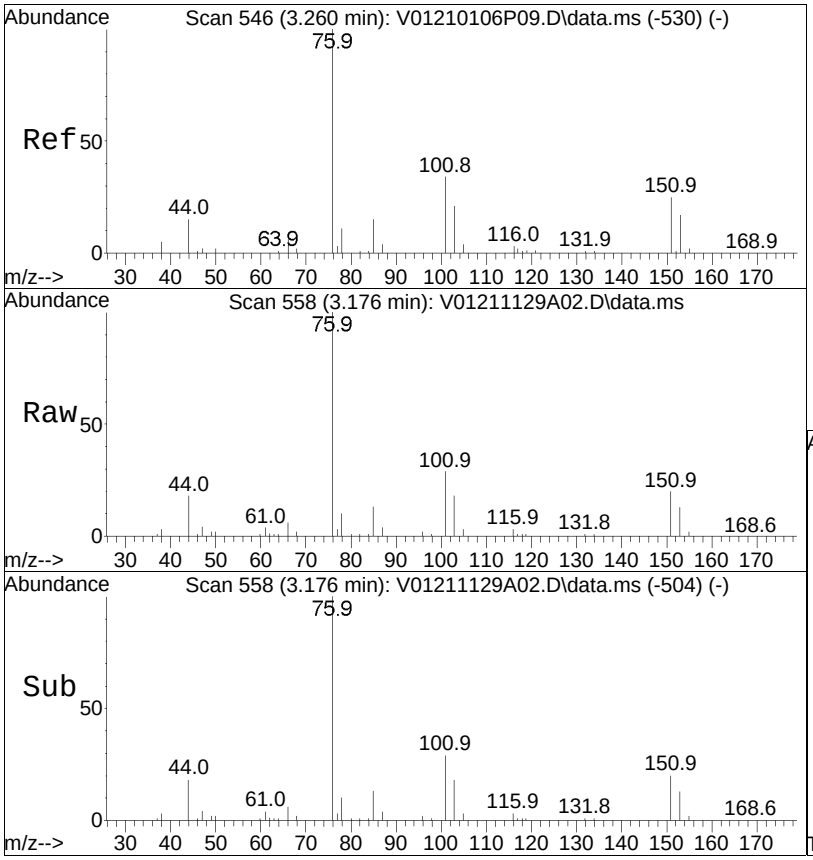


#10
1,1-Dichloroethene
Concen: 9.75 ug/L
RT: 3.146 min Scan# 547
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 96 Resp: 114107

Ion	Ratio	Lower	Upper
96	100		
61	175.3	136.8	205.2
63	55.5	43.6	65.4

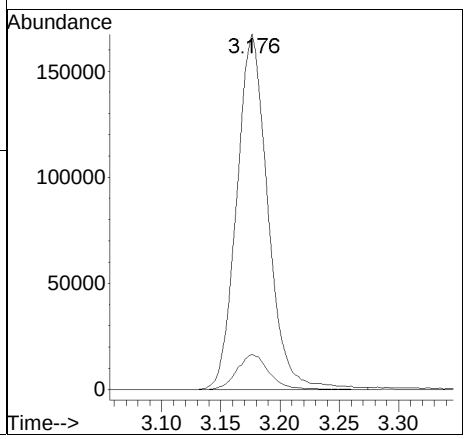


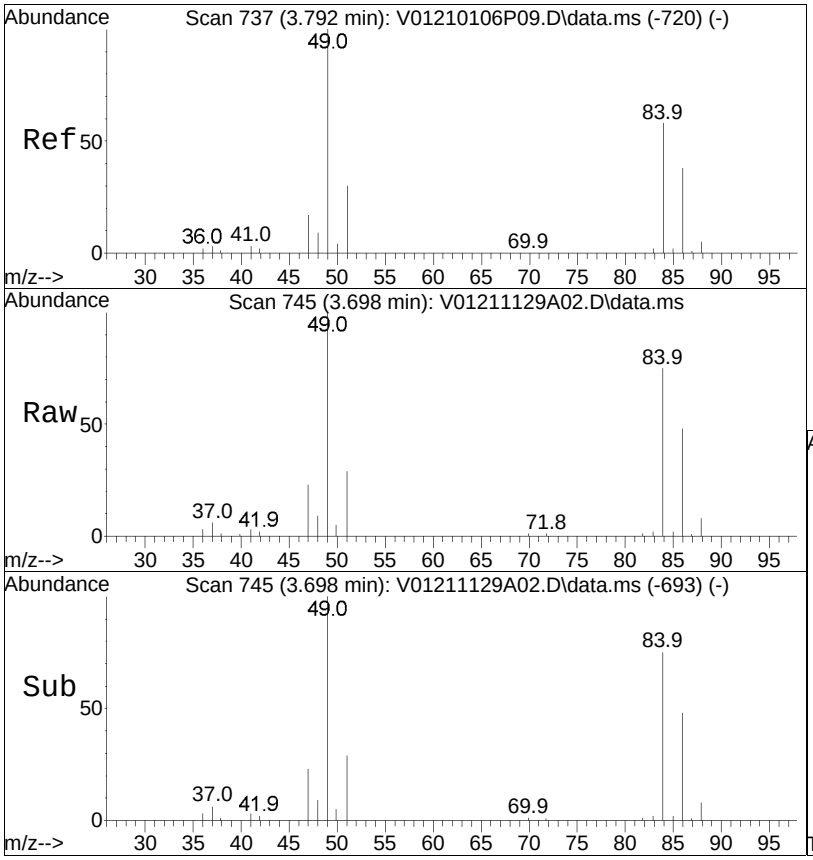


#11
Carbon disulfide
Concen: 9.29 ug/L
RT: 3.176 min Scan# 558
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 76 Resp: 307047

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.6	13.8

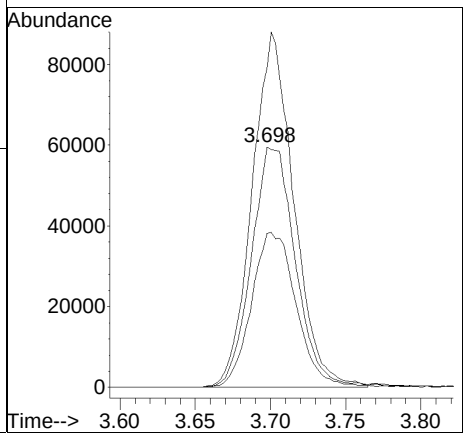


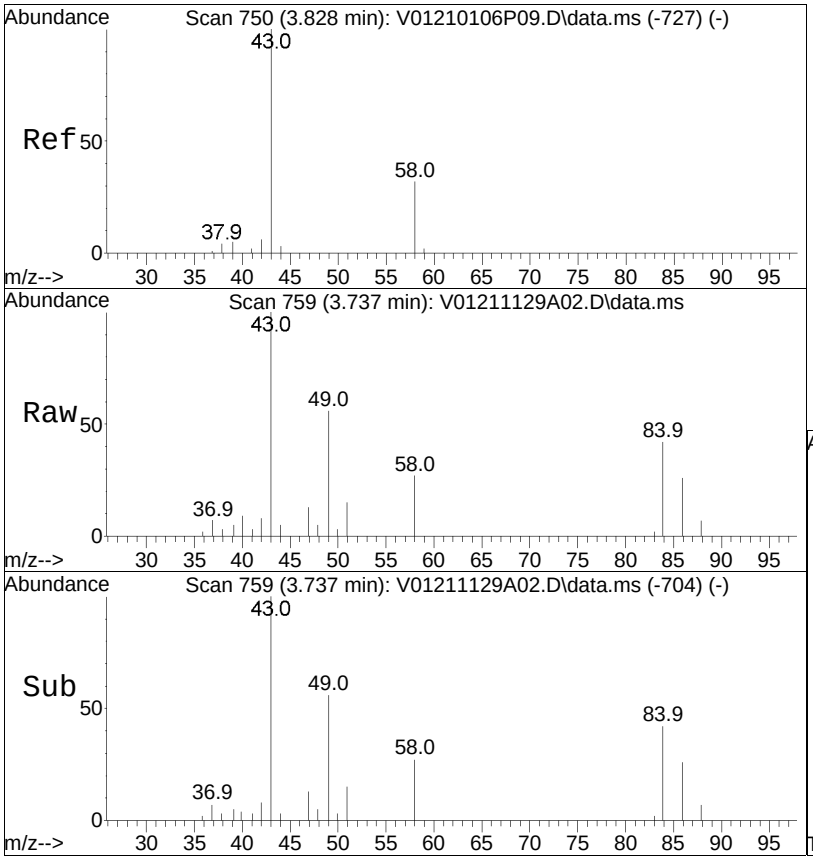


#15
Methylene chloride
Concen: 9.28 ug/L
RT: 3.698 min Scan# 745
Delta R.T. -0.005 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 84 Resp: 120987

Ion	Ratio	Lower	Upper
84	100		
86	65.8	41.7	86.7
49	140.4	89.1	185.1

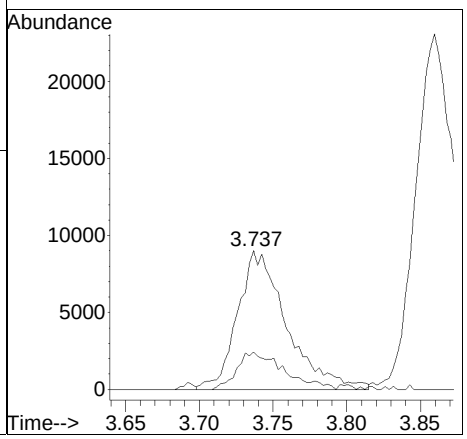


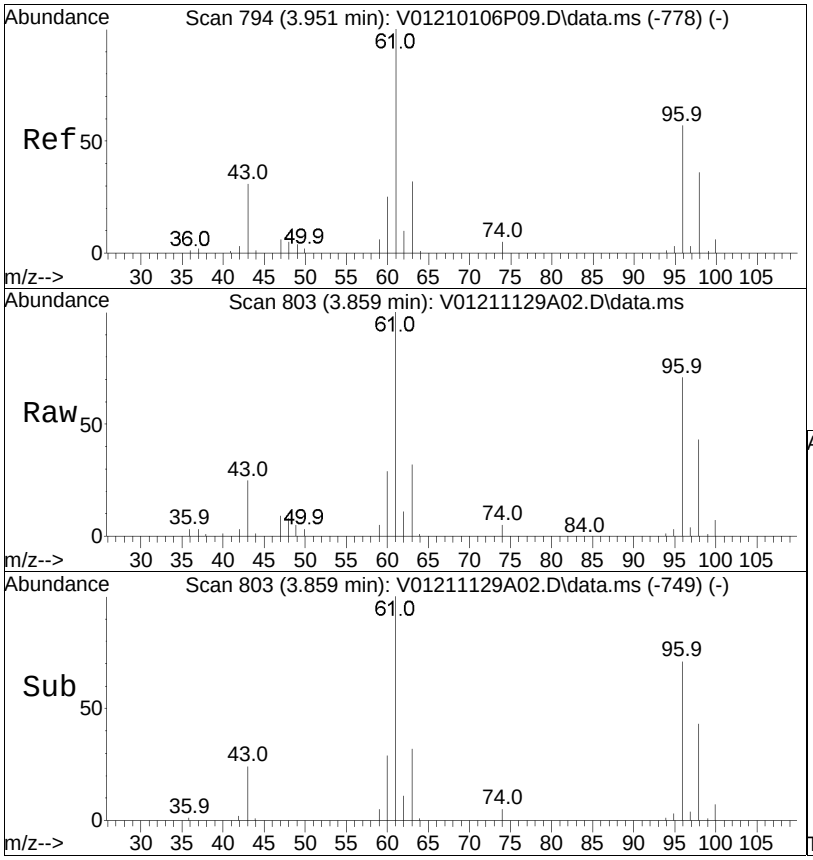


#17
Acetone
Concen: 7.54 ug/L M4
RT: 3.737 min Scan# 759
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 43 Resp: 20890

Ion	Ratio	Lower	Upper
43	100		
58	25.7	25.9	38.9#

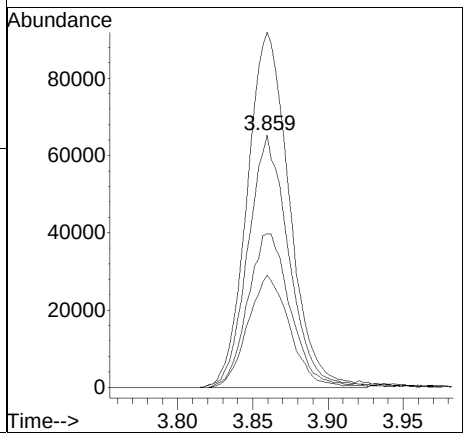


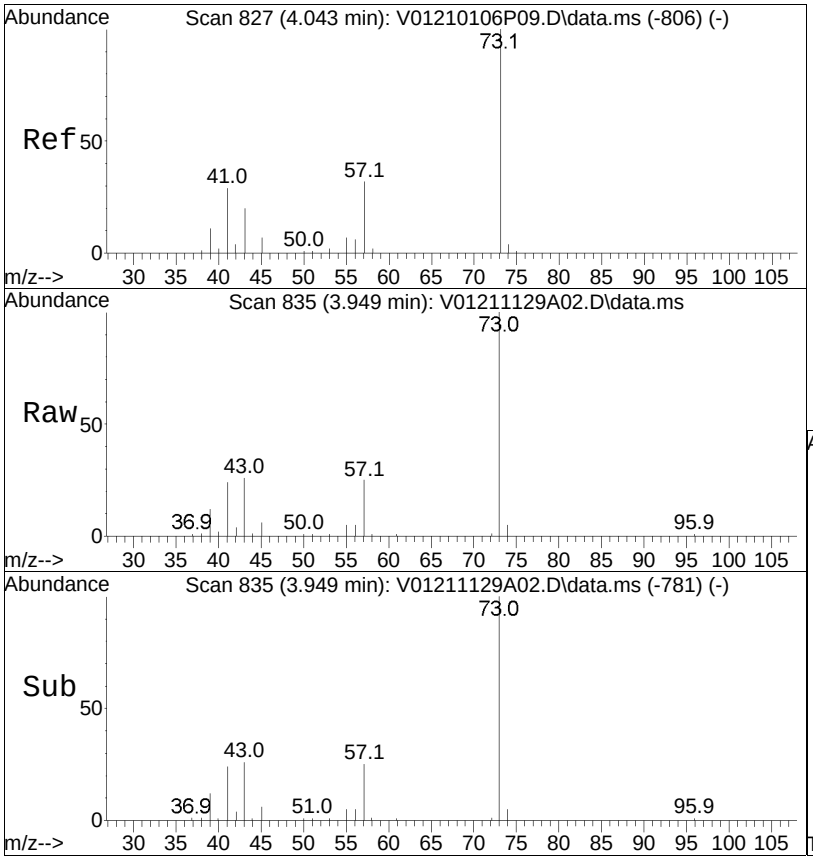


#18
trans-1,2-Dichloroethene
Concen: 9.59 ug/L
RT: 3.859 min Scan# 803
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 96 Resp: 123793

Ion	Ratio	Lower	Upper
96	100		
61	144.6	95.3	197.9
98	63.4	41.0	85.2
63	45.5	30.2	62.6

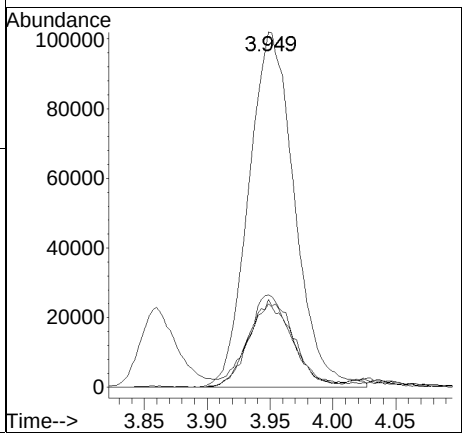


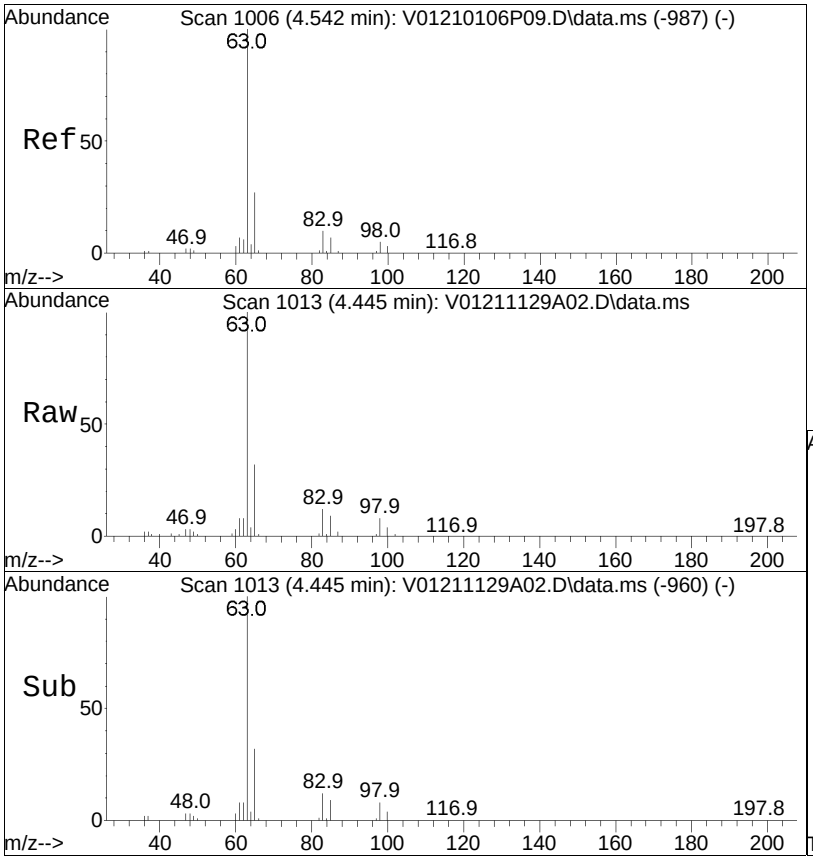


#20
Methyl tert-butyl ether
Concen: 9.35 ug/L
RT: 3.949 min Scan# 835
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 73 Resp: 258600

Ion	Ratio	Lower	Upper
73	100		
57	23.8	14.8	30.6
43	23.7	15.5	32.3
41	23.3	14.1	29.3

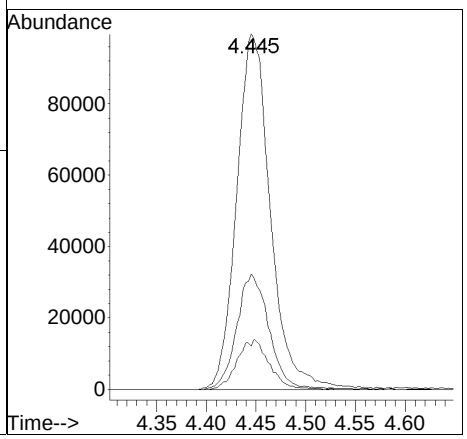


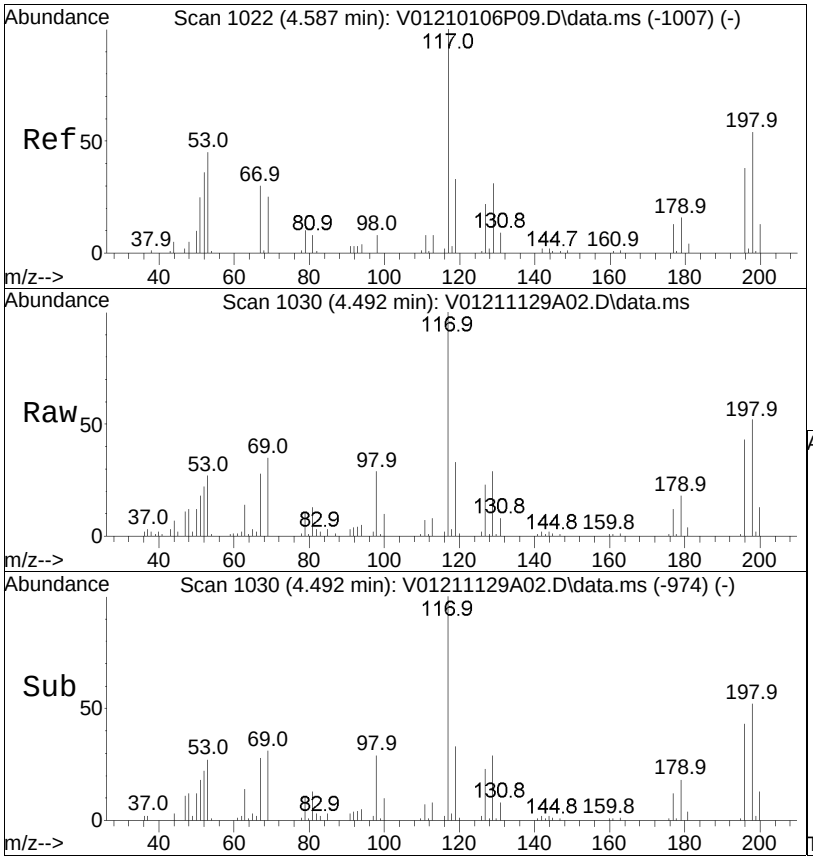


#23
1,1-Dichloroethane
Concen: 9.62 ug/L
RT: 4.445 min Scan# 1013
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 63 Resp: 236112

Ion	Ratio	Lower	Upper
63	100		
65	30.6	10.9	50.9
83	13.3	0.0	33.0

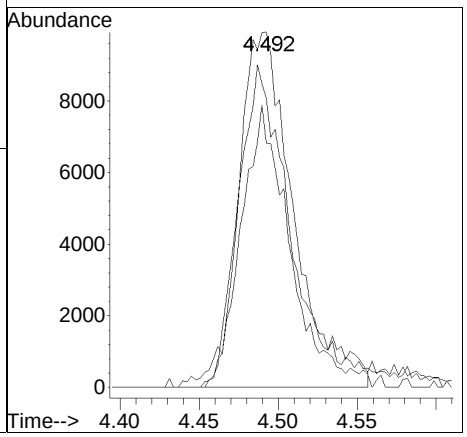


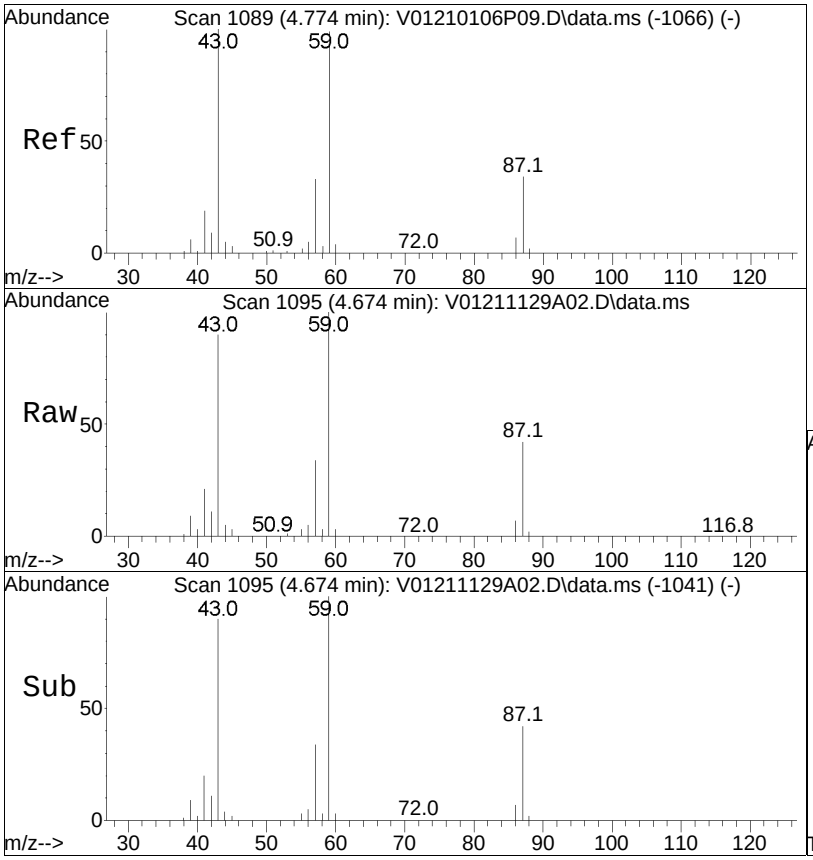


#25
Acrylonitrile
Concen: 9.84 ug/L
RT: 4.492 min Scan# 1030
Delta R.T. 0.005 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 53 Resp: 24102

Ion	Ratio	Lower	Upper
53	100		
52	81.8	69.1	103.7
51	70.7	58.3	87.5

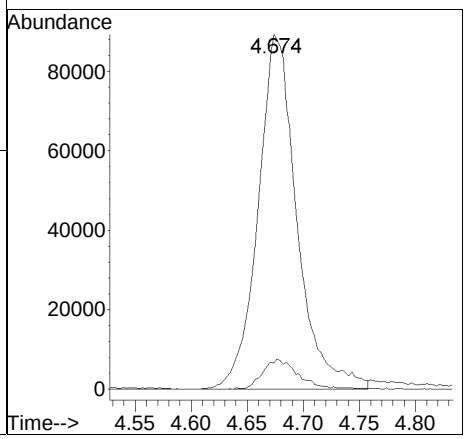


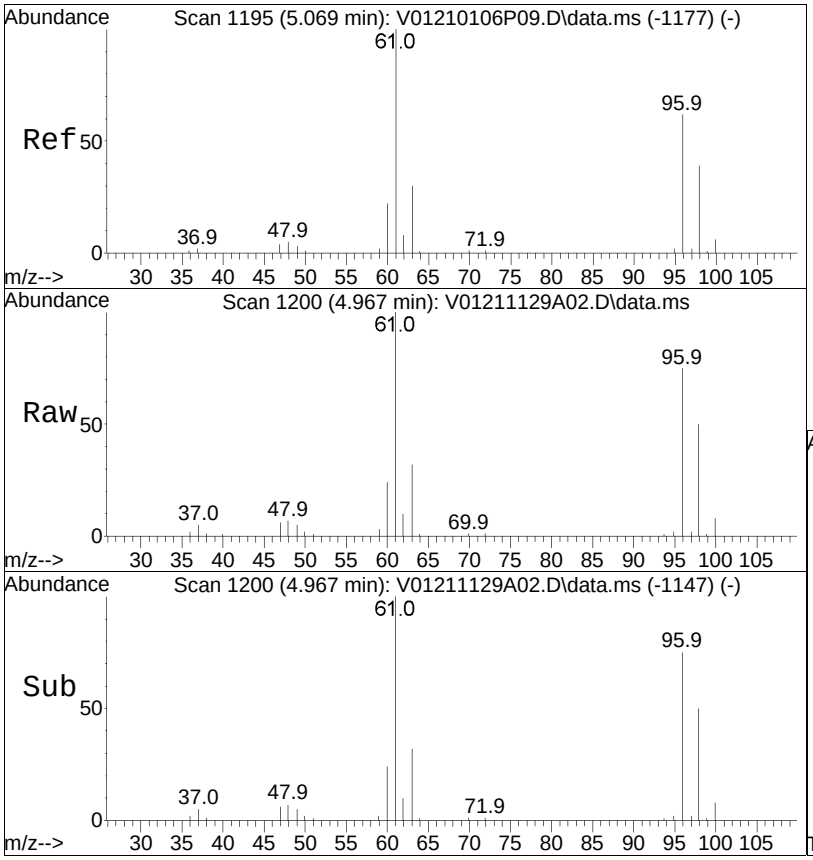


#27
Vinyl acetate
Concen: 9.96 ug/L
RT: 4.674 min Scan# 1095
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 43 Resp: 215823

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.6	9.8

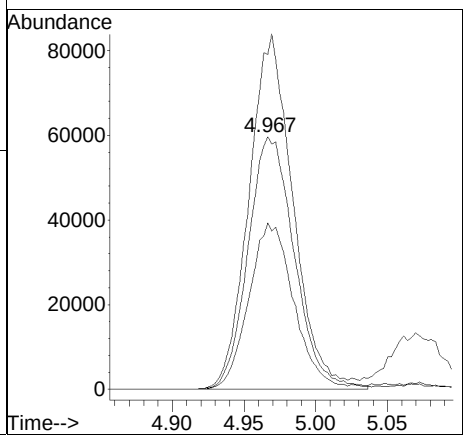


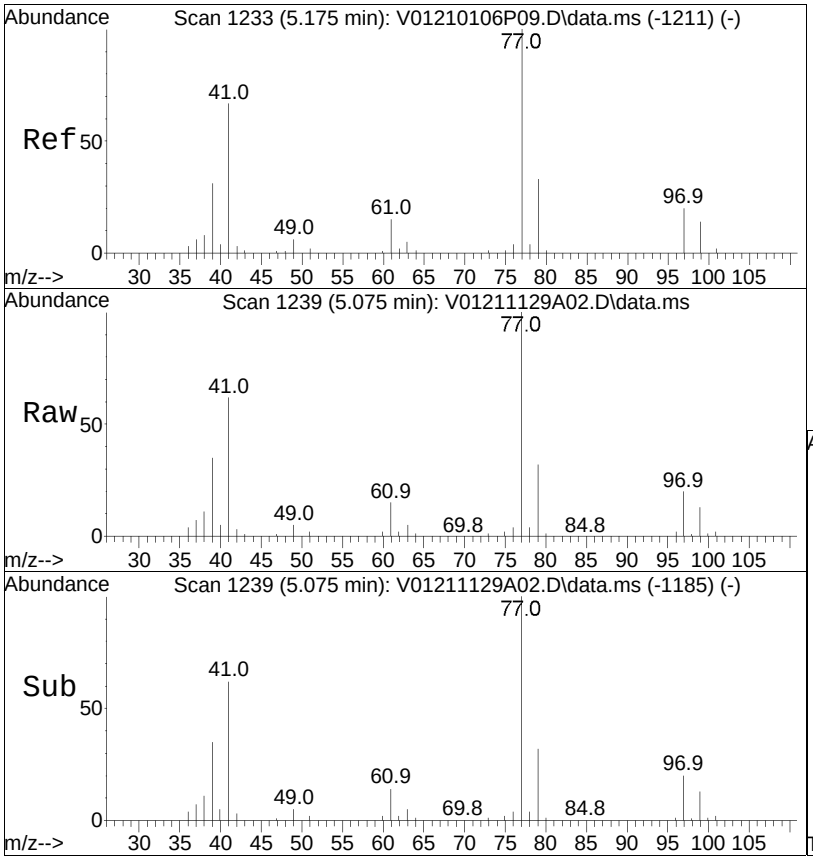


#28
cis-1,2-Dichloroethene
Concen: 9.45 ug/L
RT: 4.967 min Scan# 1200
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 96 Resp: 134354

Ion	Ratio	Lower	Upper
96	100		
61	132.9	105.8	158.6
98	63.8	51.1	76.7

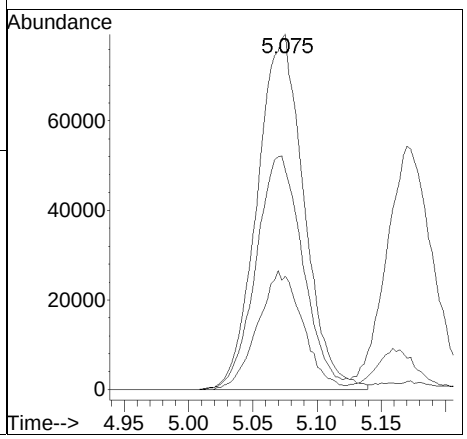


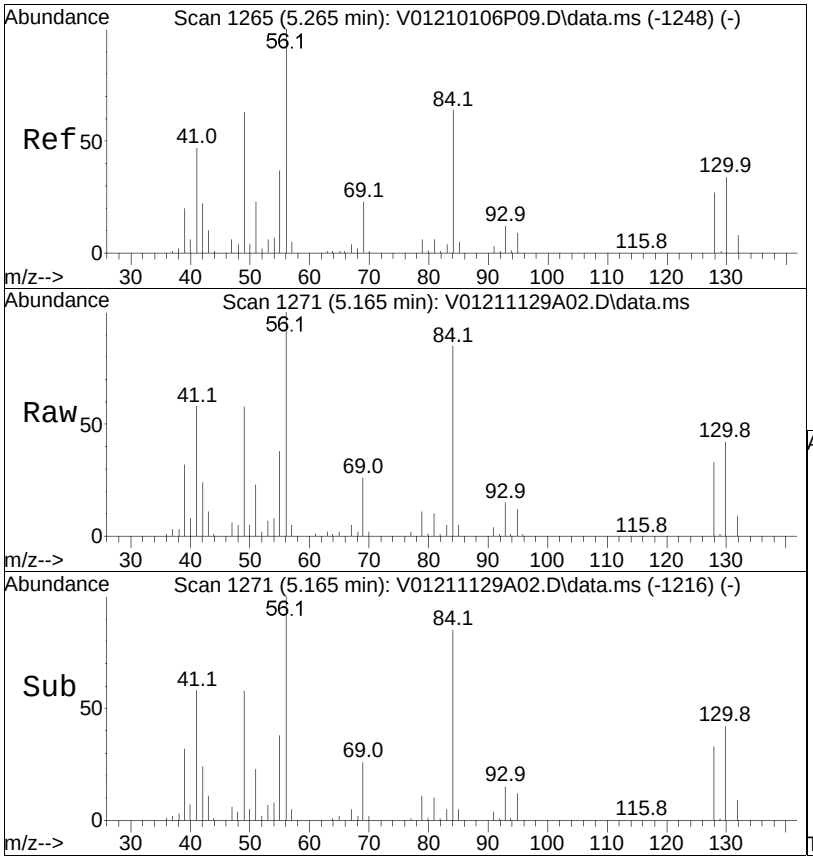


#29
2,2-Dichloropropane
Concen: 10.08 ug/L
RT: 5.075 min Scan# 1239
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 77 Resp: 200663

Ion	Ratio	Lower	Upper
77	100		
41	66.0	39.6	82.3
79	32.1	20.9	43.3

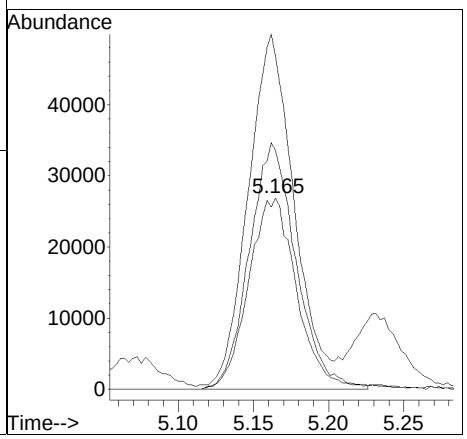


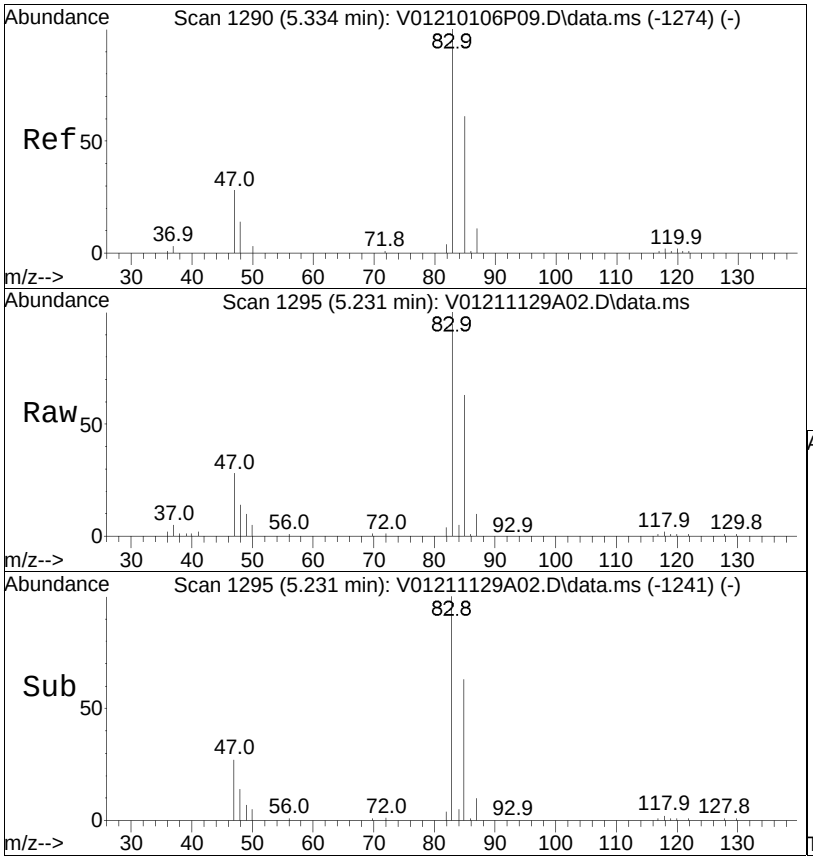


#30
Bromochloromethane
Concen: 9.80 ug/L
RT: 5.165 min Scan# 1271
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:128 Resp: 59901

Ion	Ratio	Lower	Upper
128	100		
49	173.5	140.4	210.6
130	125.6	103.1	154.7

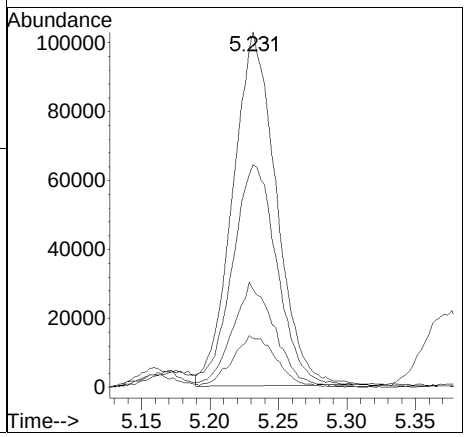


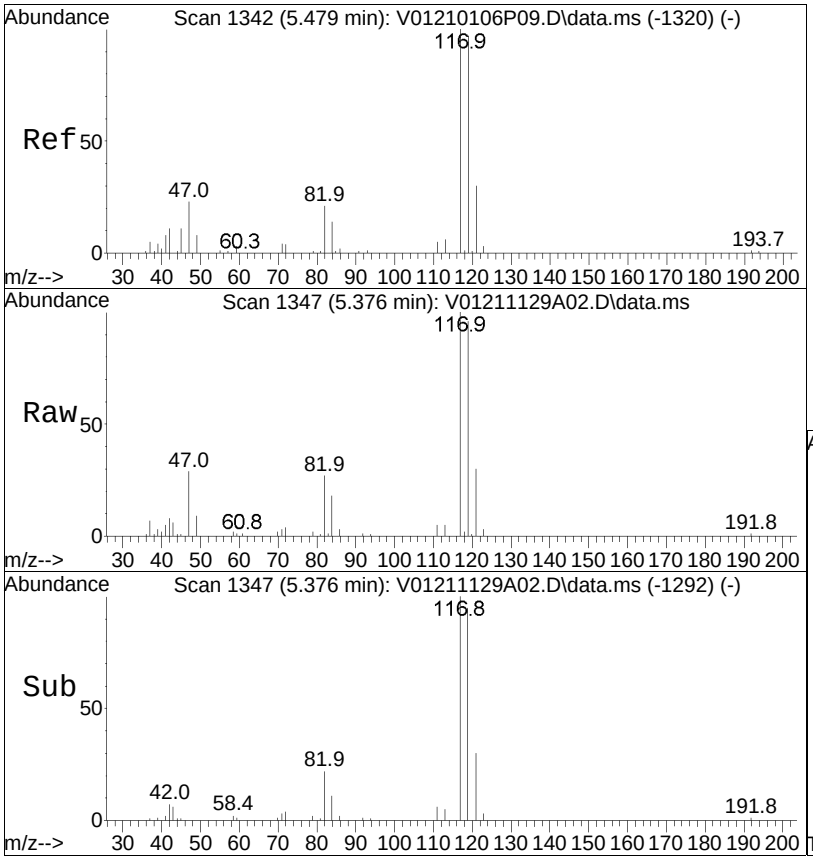


#32
Chloroform
Concen: 9.57 ug/L
RT: 5.231 min Scan# 1295
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 83 Resp: 226787

Ion	Ratio	Lower	Upper
83	100		
85	64.6	42.3	87.8
47	28.4	17.8	37.0
48	14.5	9.3	19.3

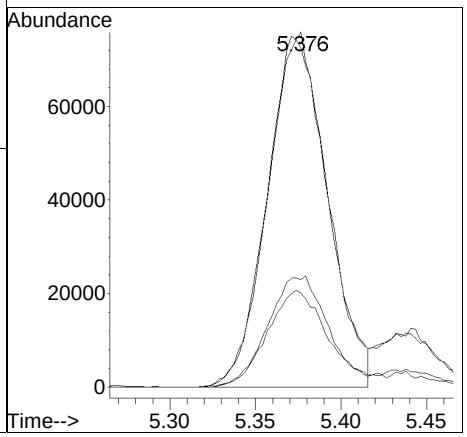


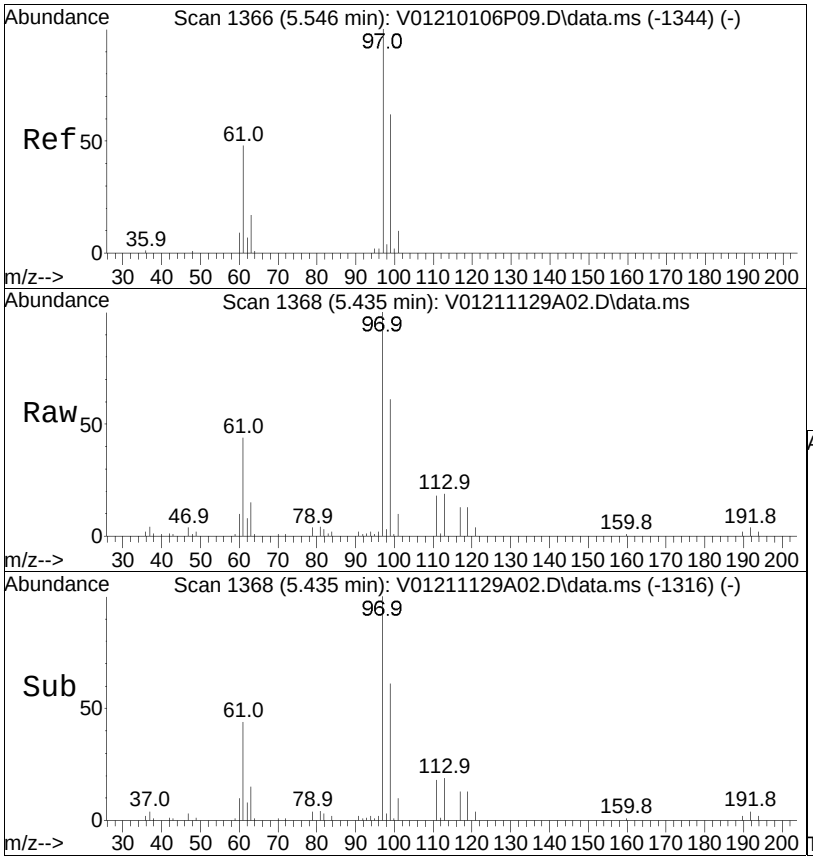


#34
Carbon tetrachloride
Concen: 9.50 ug/L
RT: 5.376 min Scan# 1347
Delta R.T. 0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:117 Resp: 185280

Ion	Ratio	Lower	Upper
117	100		
119	99.8	62.1	128.9
121	31.9	19.8	41.0
82	28.5	17.1	35.5

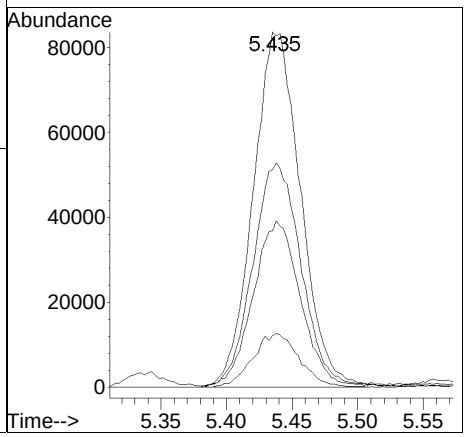


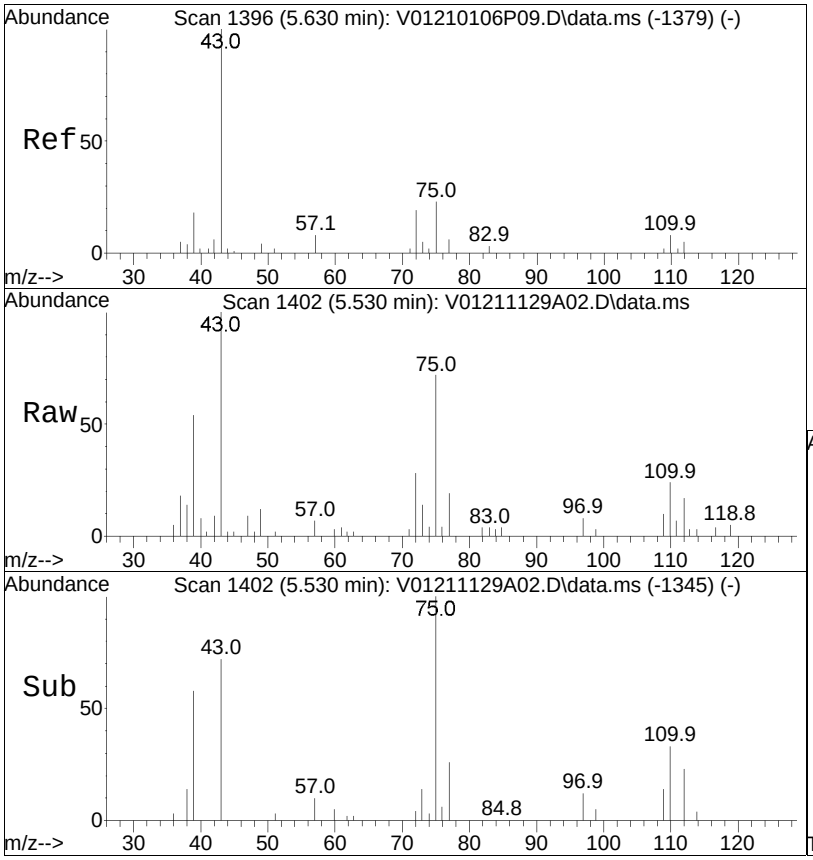


#37
1,1,1-Trichloroethane
Concen: 9.73 ug/L
RT: 5.435 min Scan# 1368
Delta R.T. -0.006 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 97 Resp: 210711

Ion	Ratio	Lower	Upper
97	100		
99	64.6	41.7	86.7
61	45.8	29.4	61.2
63	14.9	9.4	19.4

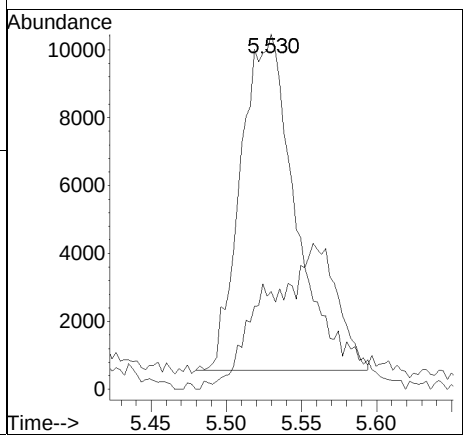


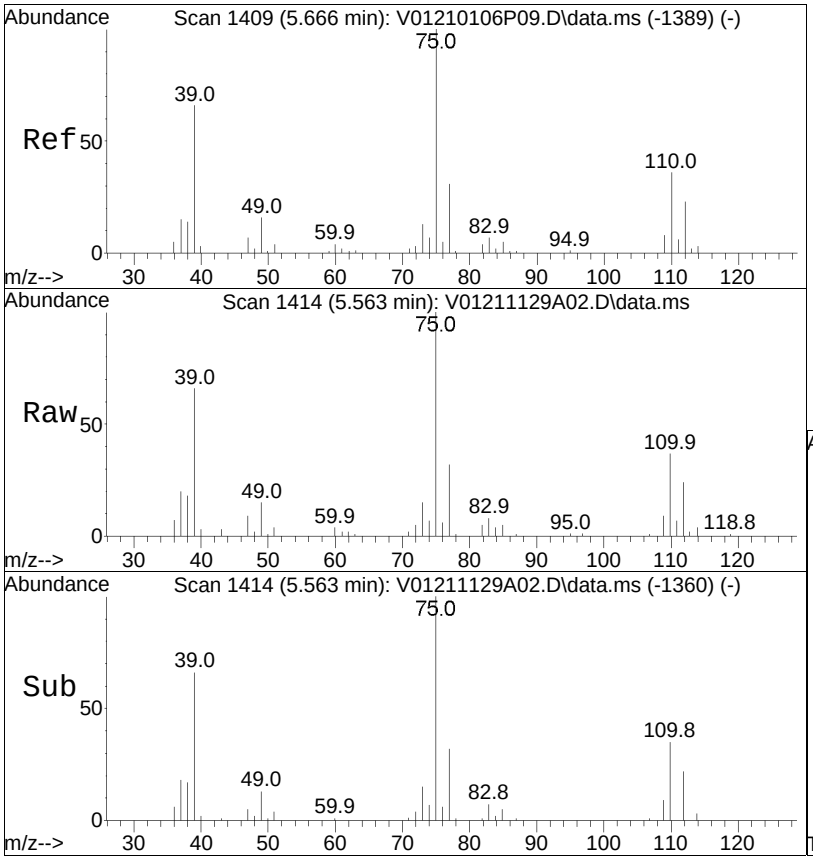


#39
2-Butanone
Concen: 7.73 ug/L
RT: 5.530 min Scan# 1402
Delta R.T. 0.009 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 43 Resp: 24773

Ion	Ratio	Lower	Upper
43	100		
72	17.2	45.8	68.6#

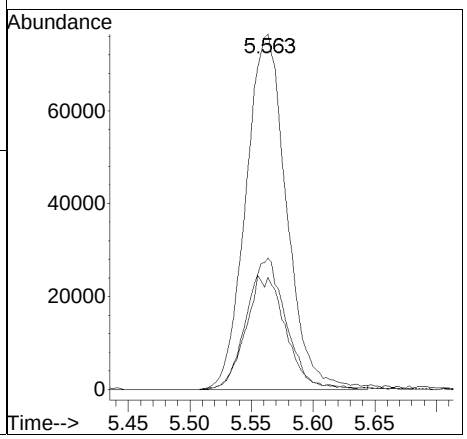


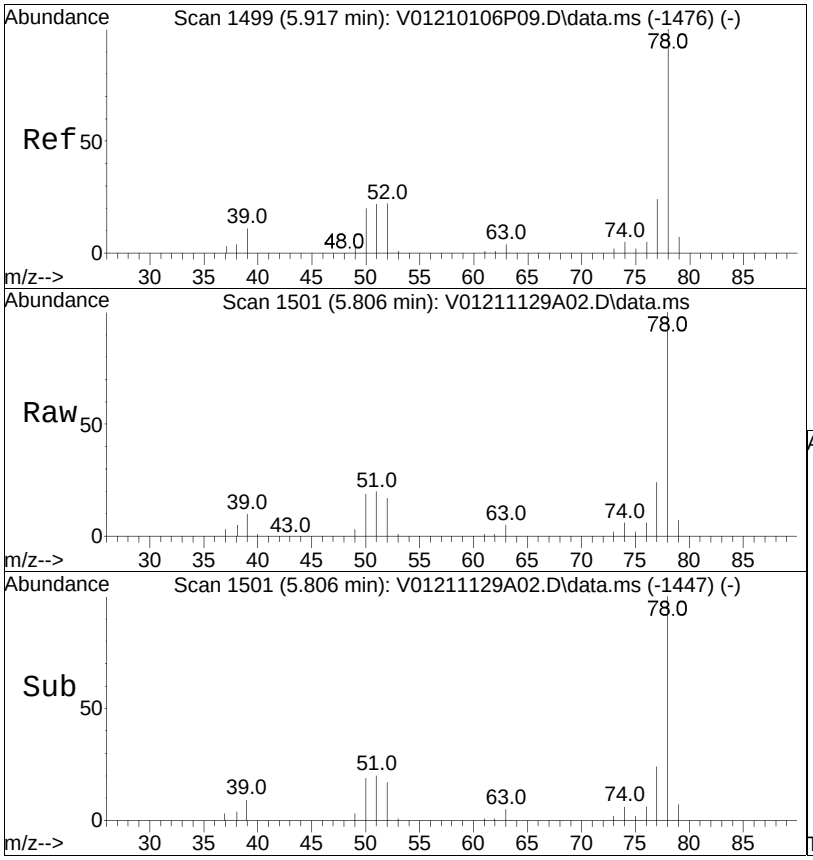


#40
1,1-Dichloropropene
Concen: 9.81 ug/L
RT: 5.563 min Scan# 1414
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 75 Resp: 175350

Ion	Ratio	Lower	Upper
75	100		
110	35.6	22.2	46.2
77	15.6	20.2	42.0#

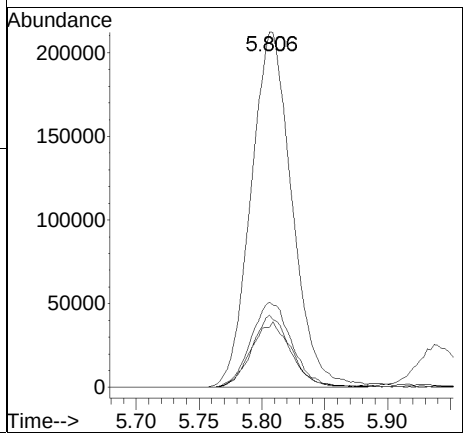


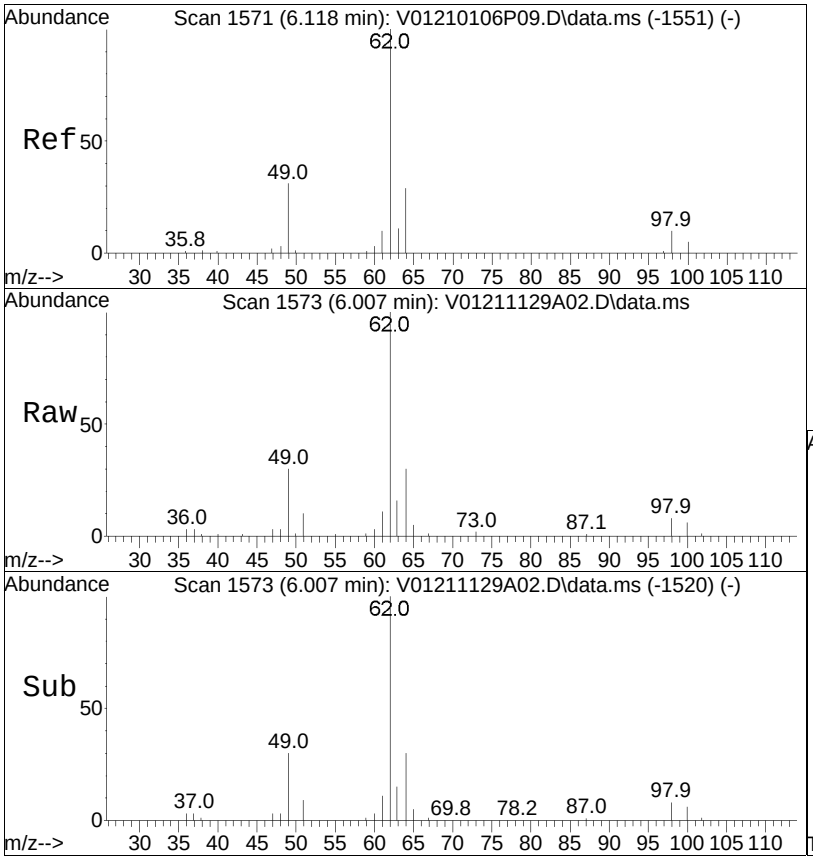


#41
Benzene
Concen: 9.47 ug/L
RT: 5.806 min Scan# 1501
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 78 Resp: 481951

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.7	32.5
51	19.5	11.6	24.2
52	17.9	10.9	22.5

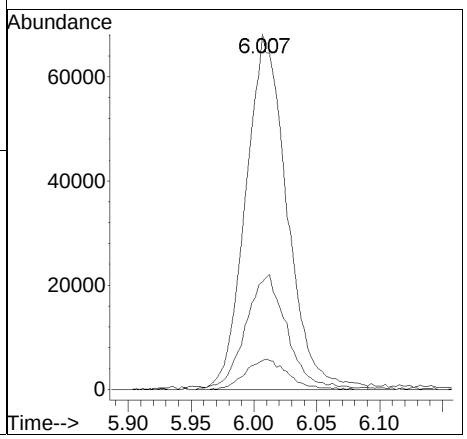


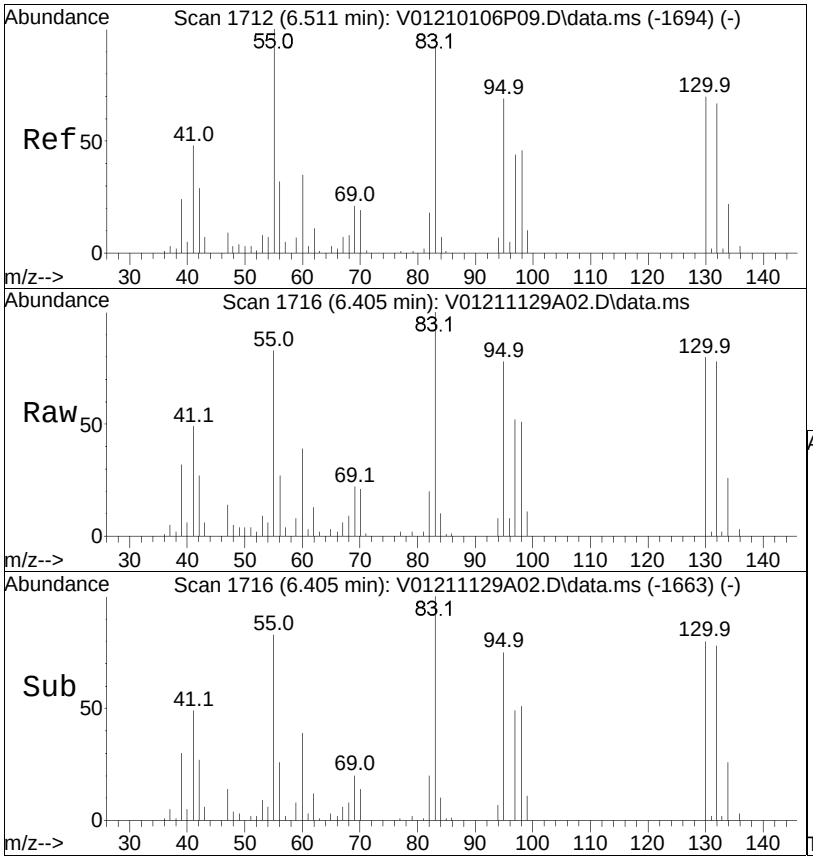


#44
1,2-Dichloroethane
Concen: 9.48 ug/L
RT: 6.007 min Scan# 1573
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 62 Resp: 155264

Ion	Ratio	Lower	Upper
62	100		
64	31.8	12.1	52.1
98	8.7	0.0	28.8

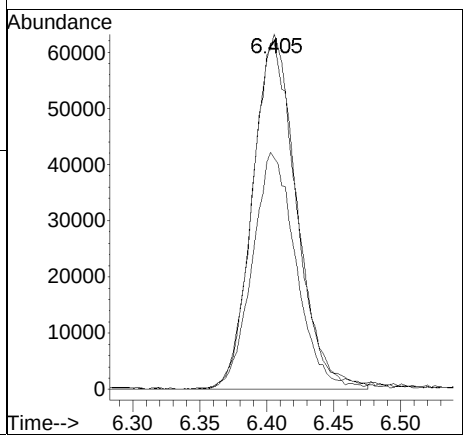


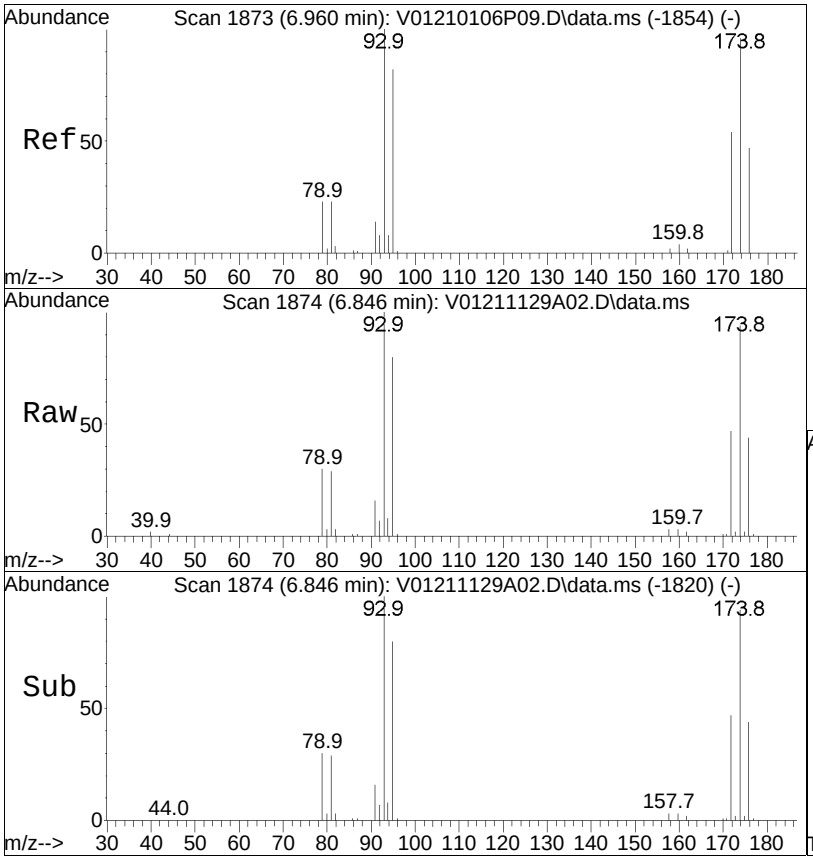


#48
Trichloroethene
Concen: 9.97 ug/L
RT: 6.405 min Scan# 1716
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 95 Resp: 142307

Ion	Ratio	Lower	Upper
95	100		
97	66.5	54.4	81.6
130	101.6	80.6	120.8

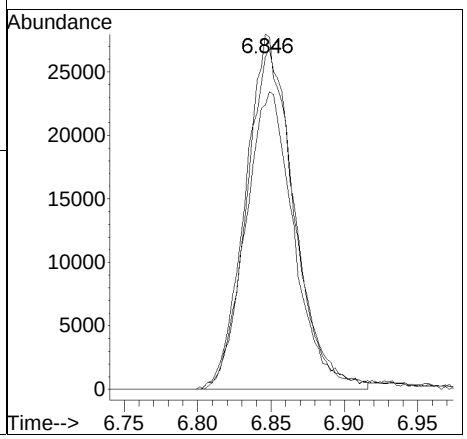


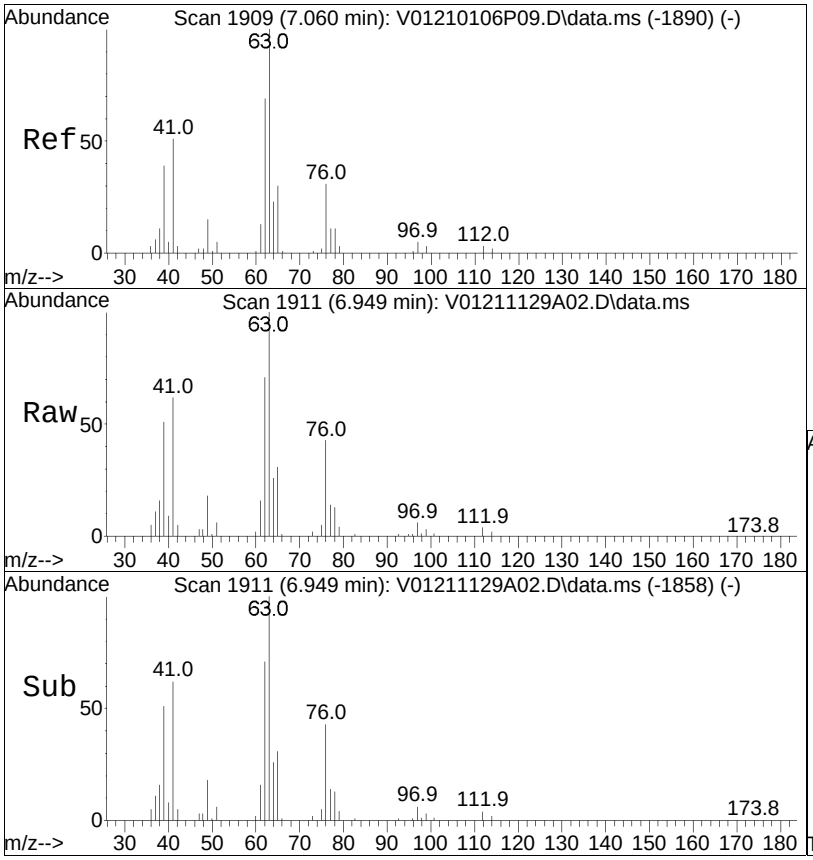


#50
Dibromomethane
Concen: 9.33 ug/L
RT: 6.846 min Scan# 1874
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 93 Resp: 63755

Ion	Ratio	Lower	Upper
93	100		
95	85.0	68.6	102.8
174	97.2	80.5	120.7

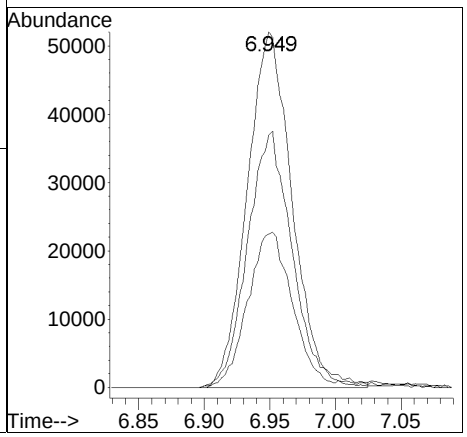


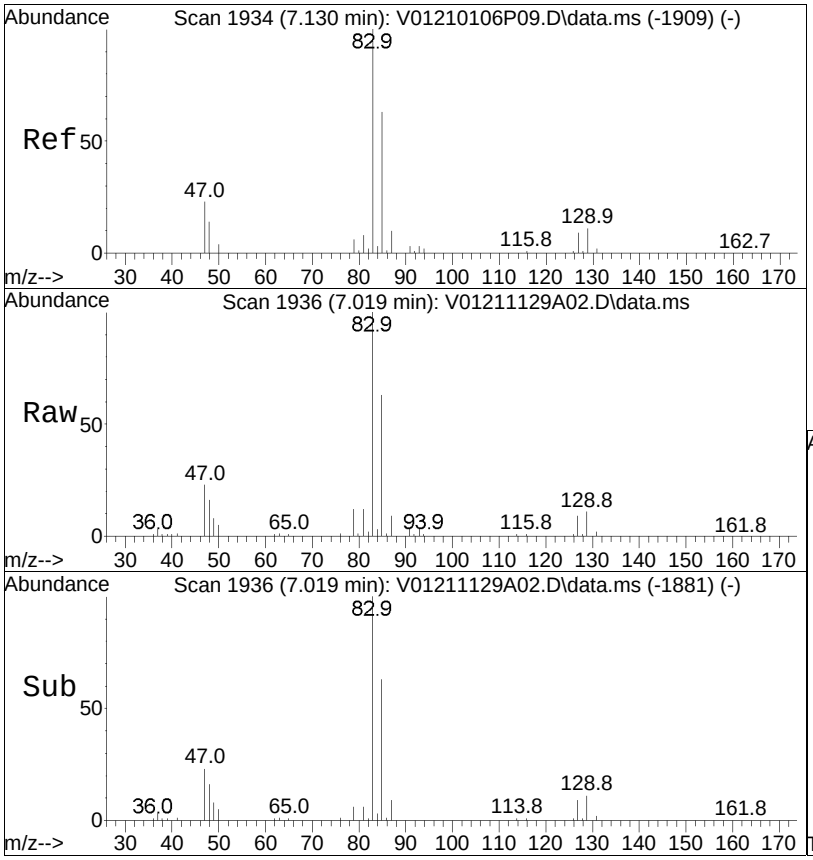


#51
1,2-Dichloropropane
Concen: 9.49 ug/L
RT: 6.949 min Scan# 1911
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 63 Resp: 124498

Ion	Ratio	Lower	Upper
63	100		
62	71.0	57.2	85.8
76	43.3	33.6	50.4

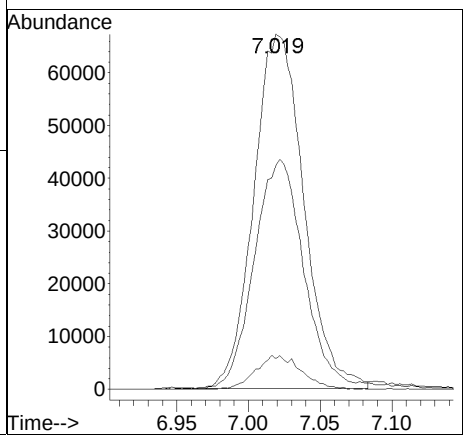


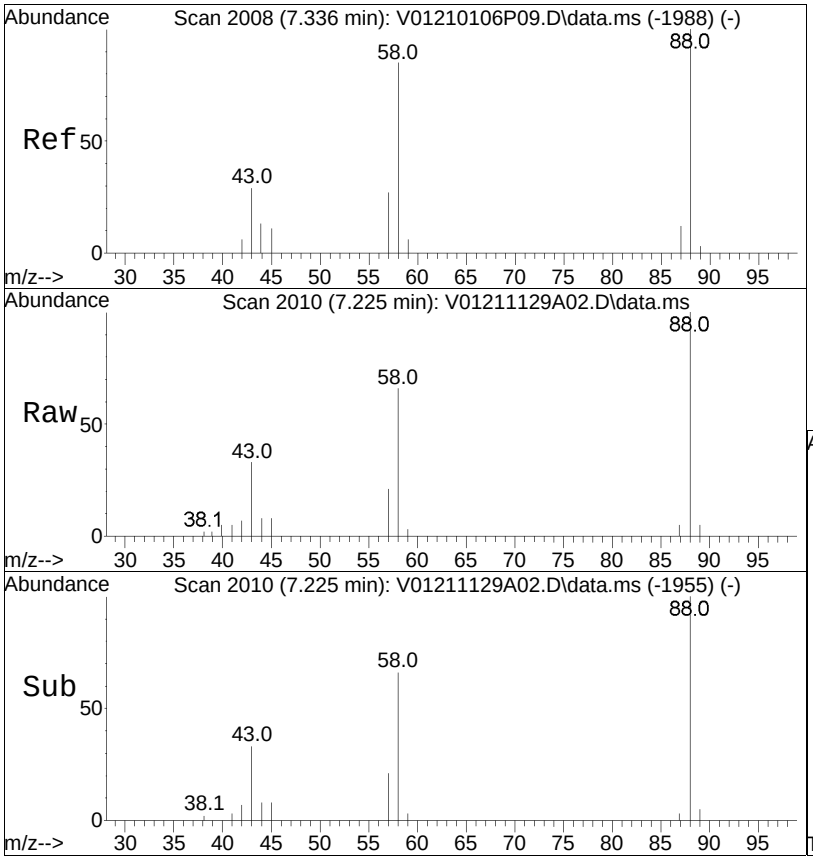


#54
Bromodichloromethane
Concen: 9.00 ug/L
RT: 7.019 min Scan# 1936
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 83 Resp: 163034

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	8.8	6.9	10.3

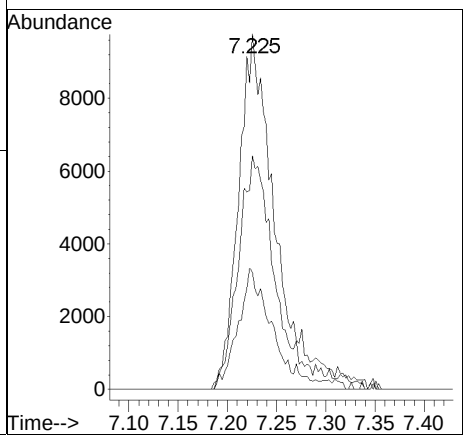


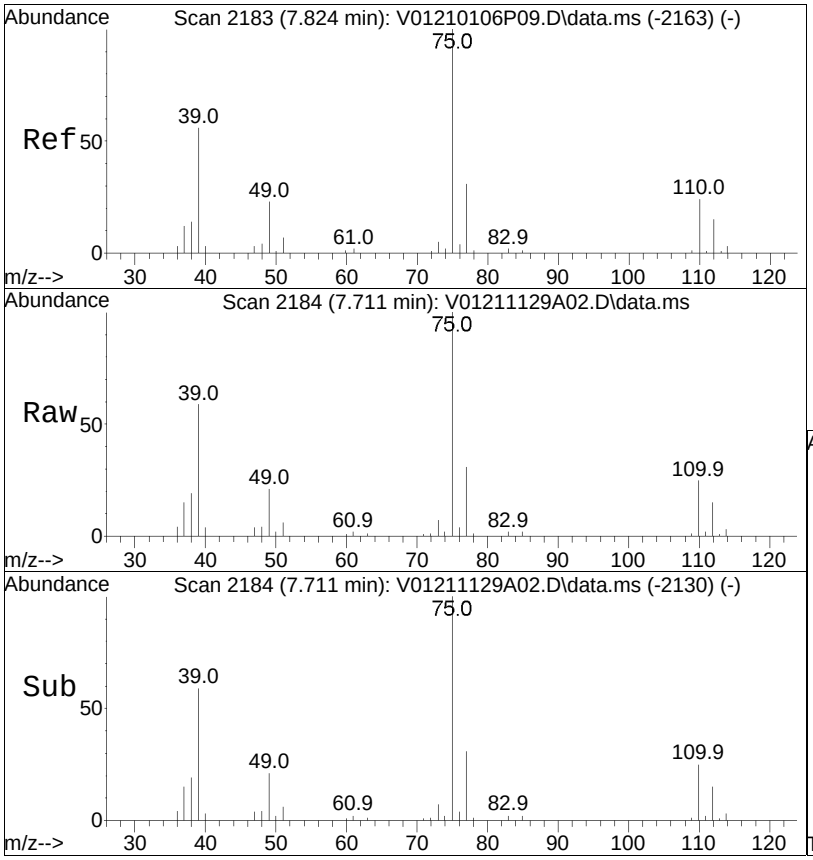


#57
1,4-Dioxane
Concen: 668.62 ug/L M1
RT: 7.225 min Scan# 2010
Delta R.T. 0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 88 Resp: 25634

Ion	Ratio	Lower	Upper
88	100		
58	63.7	54.8	82.2
43	29.3	29.3	43.9

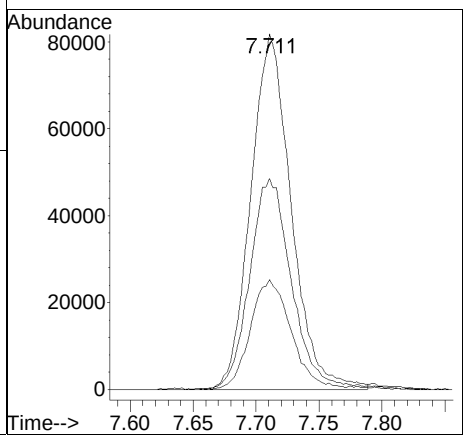


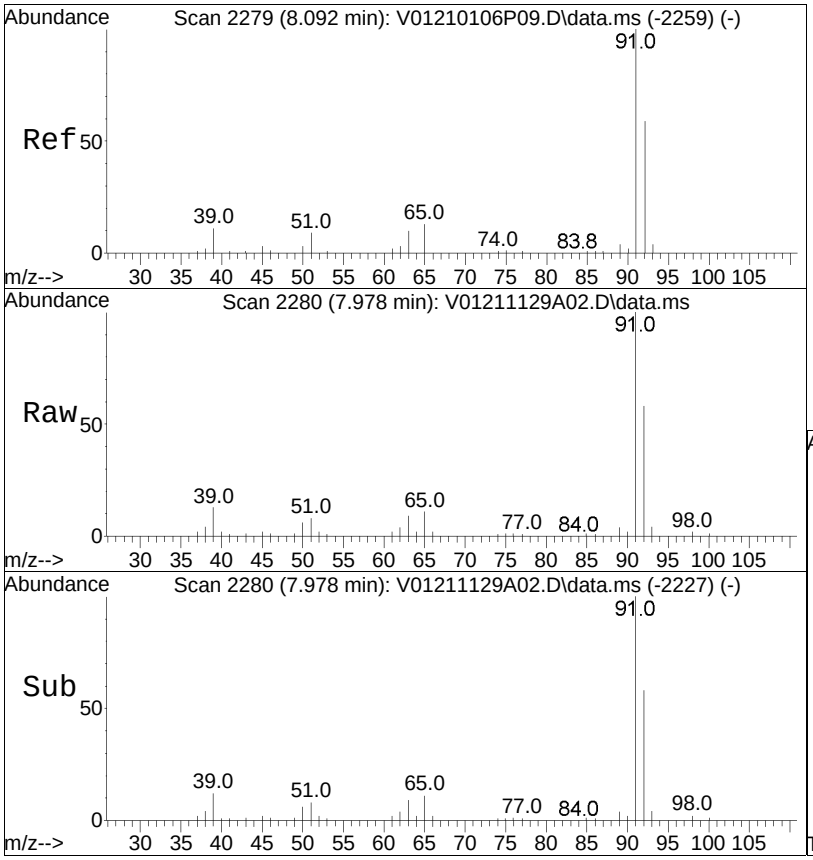


#58
cis-1,3-Dichloropropene
Concen: 9.15 ug/L
RT: 7.711 min Scan# 2184
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 75 Resp: 182850

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	61.2	42.6	63.8

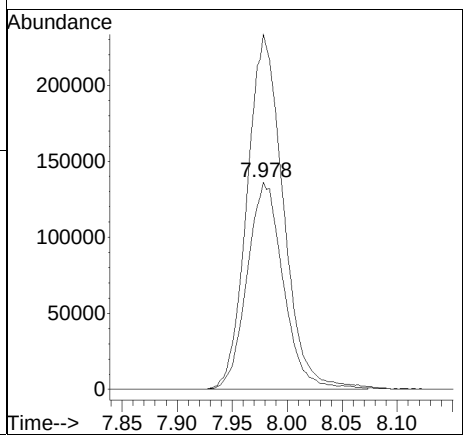


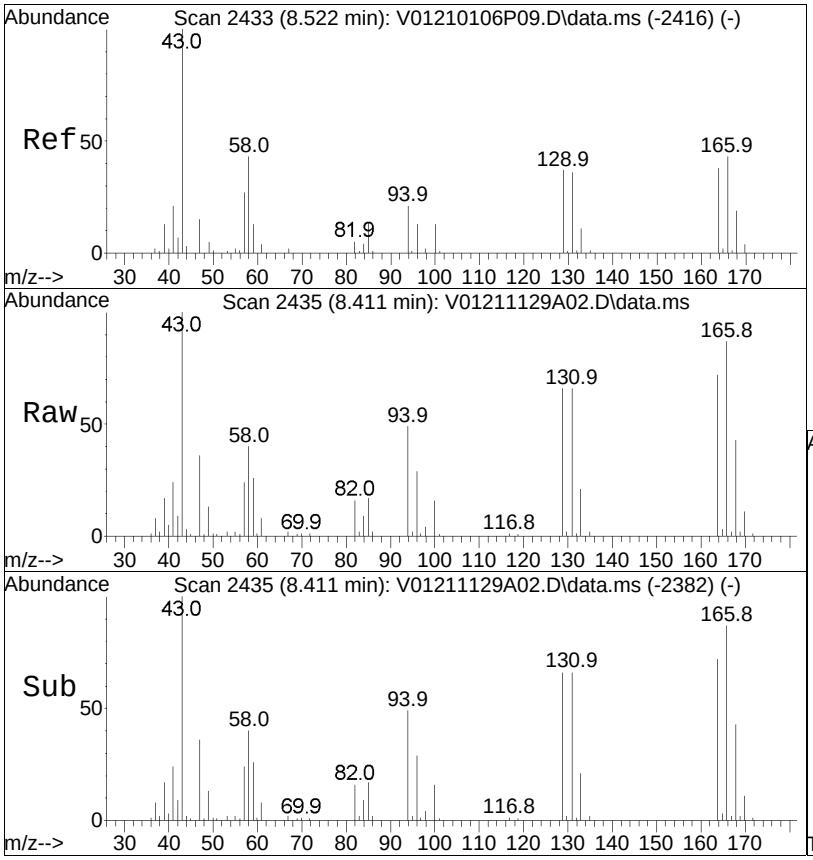


#61
Toluene
Concen: 10.43 ug/L
RT: 7.978 min Scan# 2280
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 92 Resp: 312787

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.5	206.3

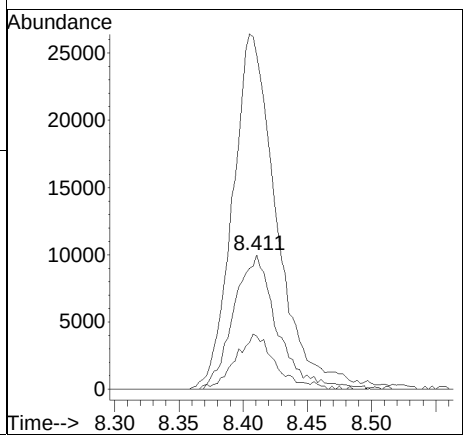


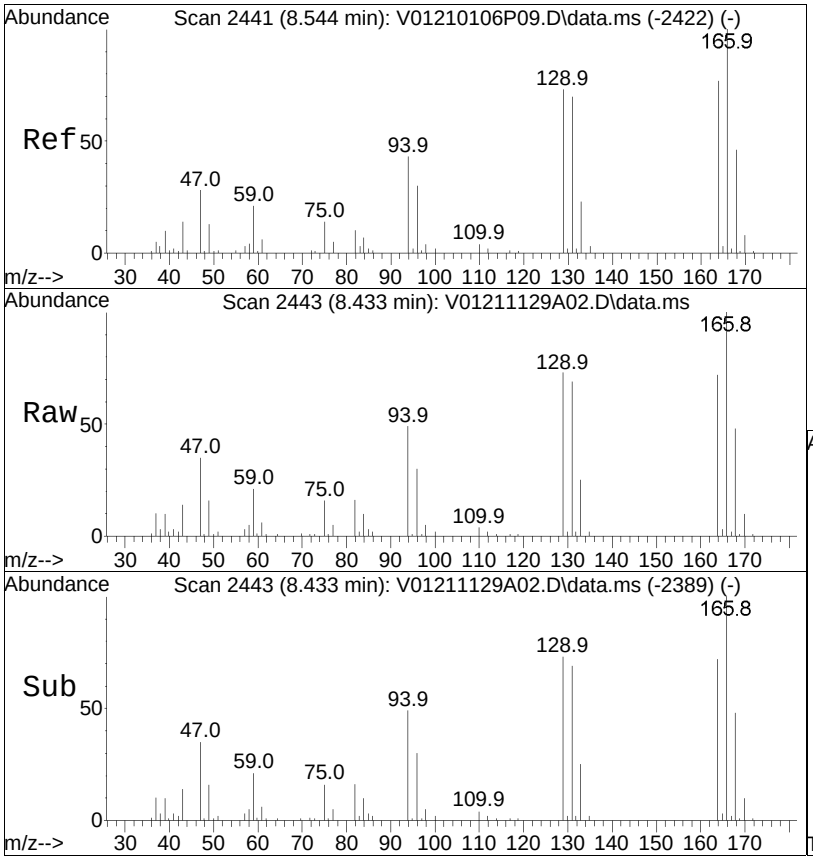


#62
4-Methyl-2-pentanone
Concen: 9.65 ug/L
RT: 8.411 min Scan# 2435
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 58 Resp: 23721

Ion	Ratio	Lower	Upper
58	100		
100	36.7	31.8	47.6
43	264.6	212.5	318.7

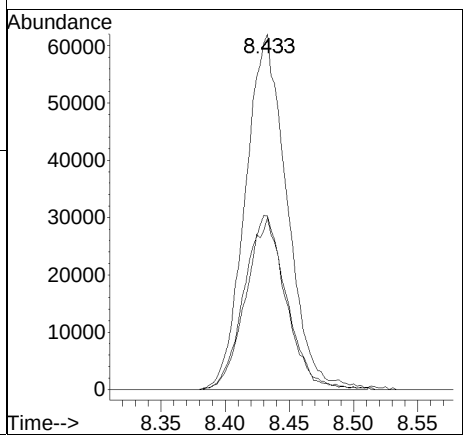


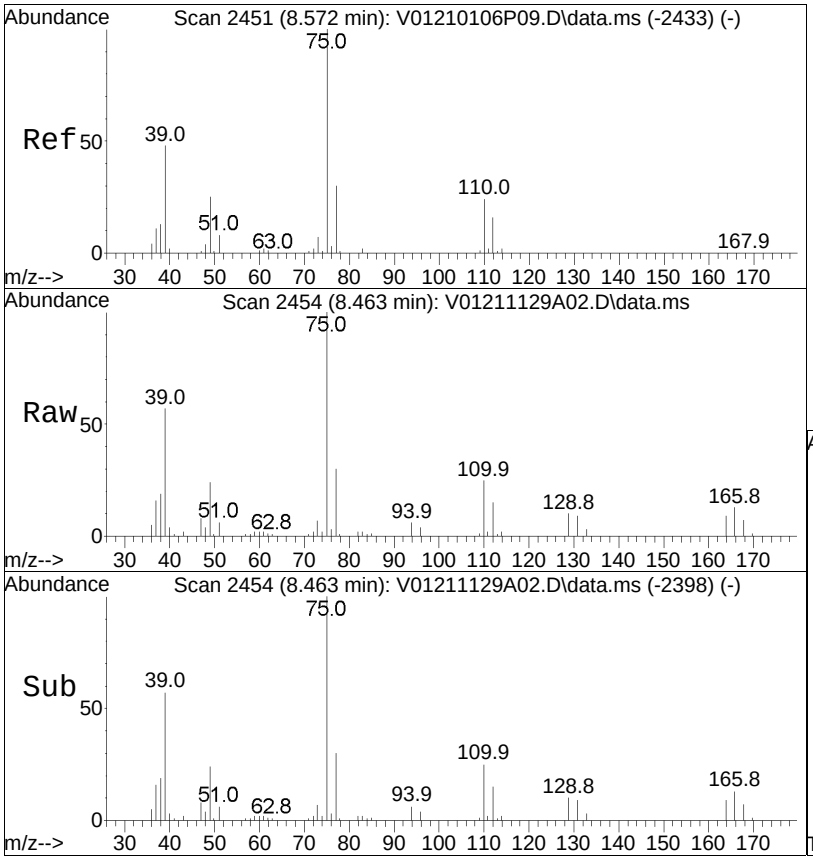


#63
Tetrachloroethene
Concen: 10.66 ug/L
RT: 8.433 min Scan# 2443
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:166 Resp: 140286

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.4	67.4
94	49.0	24.8	64.8

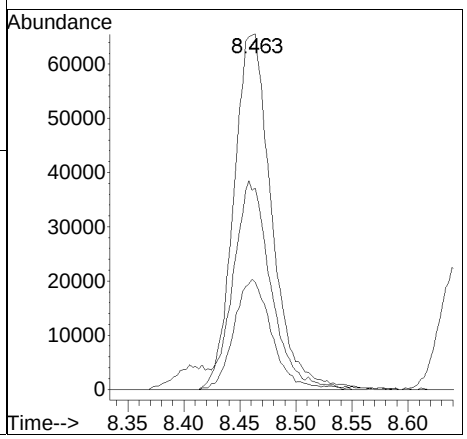


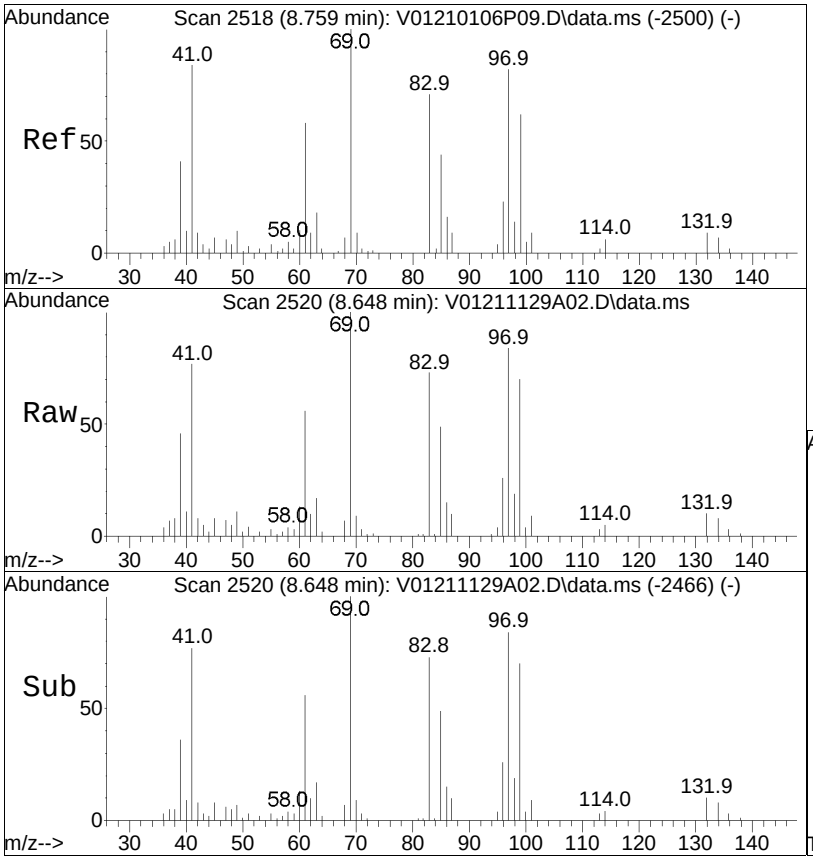


#65
trans-1,3-Dichloropropene
Concen: 10.01 ug/L
RT: 8.463 min Scan# 2454
Delta R.T. 0.005 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 75 Resp: 154139

Ion	Ratio	Lower	Upper
75	100		
77	30.6	11.8	51.8
39	56.6	30.2	70.2

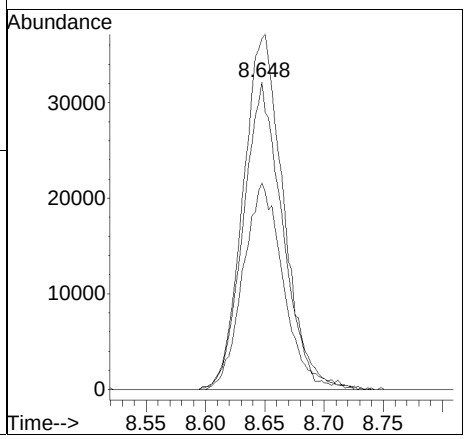


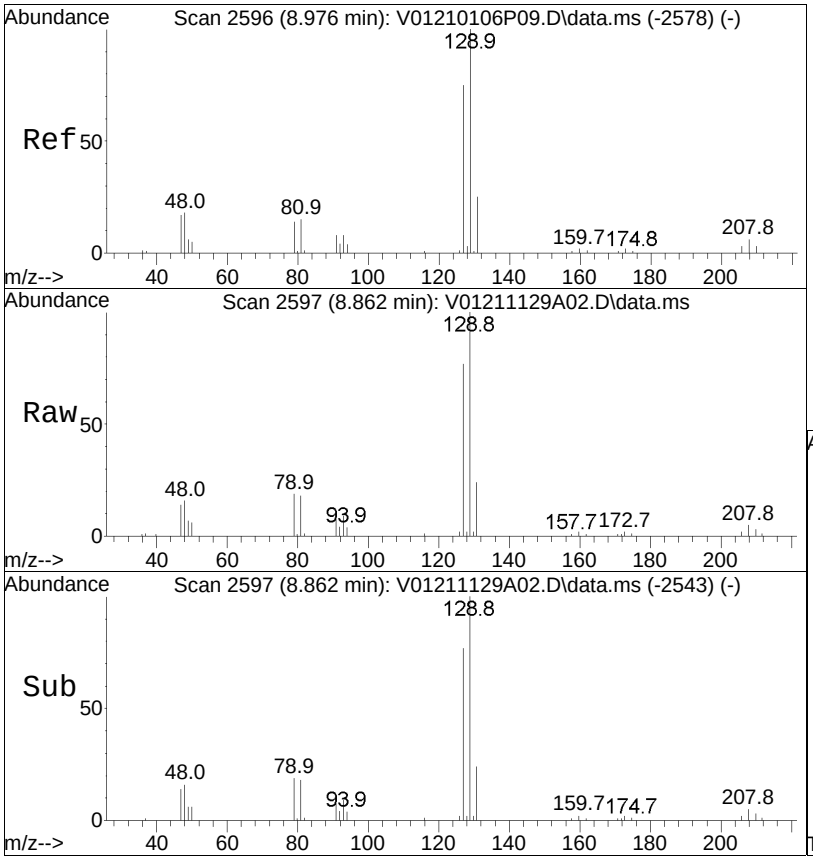


#68
1,1,2-Trichloroethane
Concen: 10.20 ug/L
RT: 8.648 min Scan# 2520
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 83 Resp: 74215

Ion	Ratio	Lower	Upper
83	100		
97	118.7	96.7	136.7
85	68.3	45.3	85.3

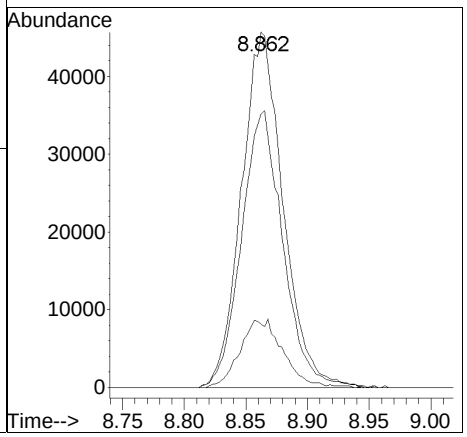


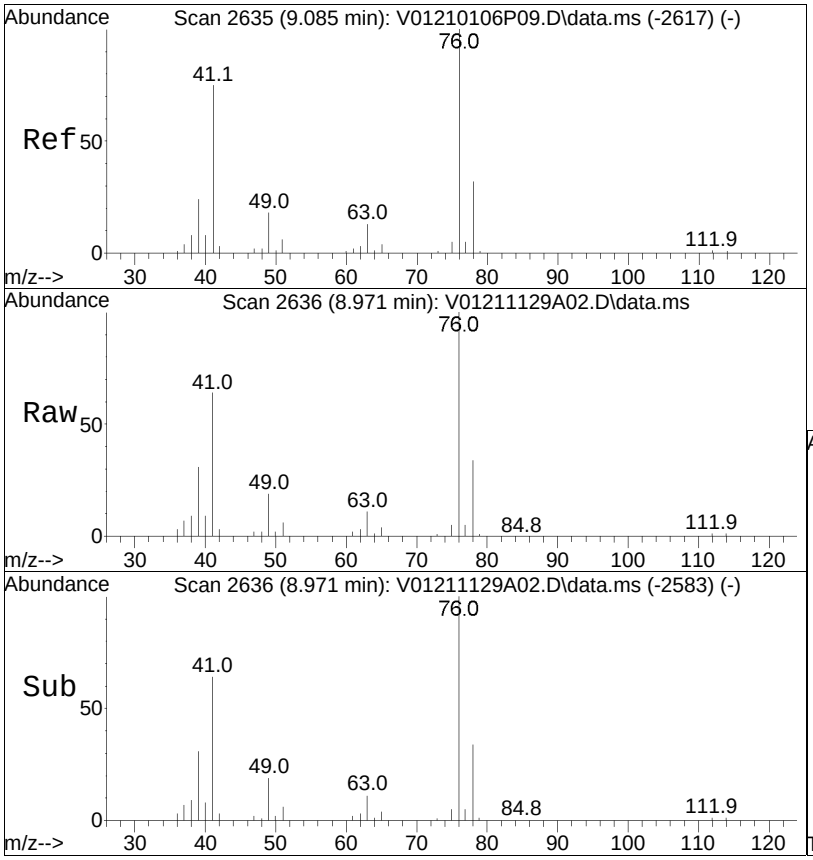


#69
Chlorodibromomethane
Concen: 9.84 ug/L
RT: 8.862 min Scan# 2597
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:129 Resp: 107398

Ion	Ratio	Lower	Upper
129	100		
81	19.6	0.0	37.9
127	77.3	56.6	96.6

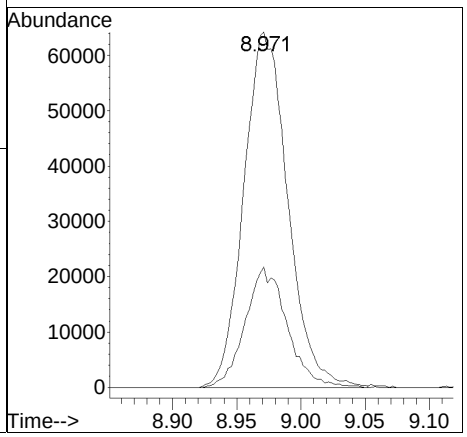


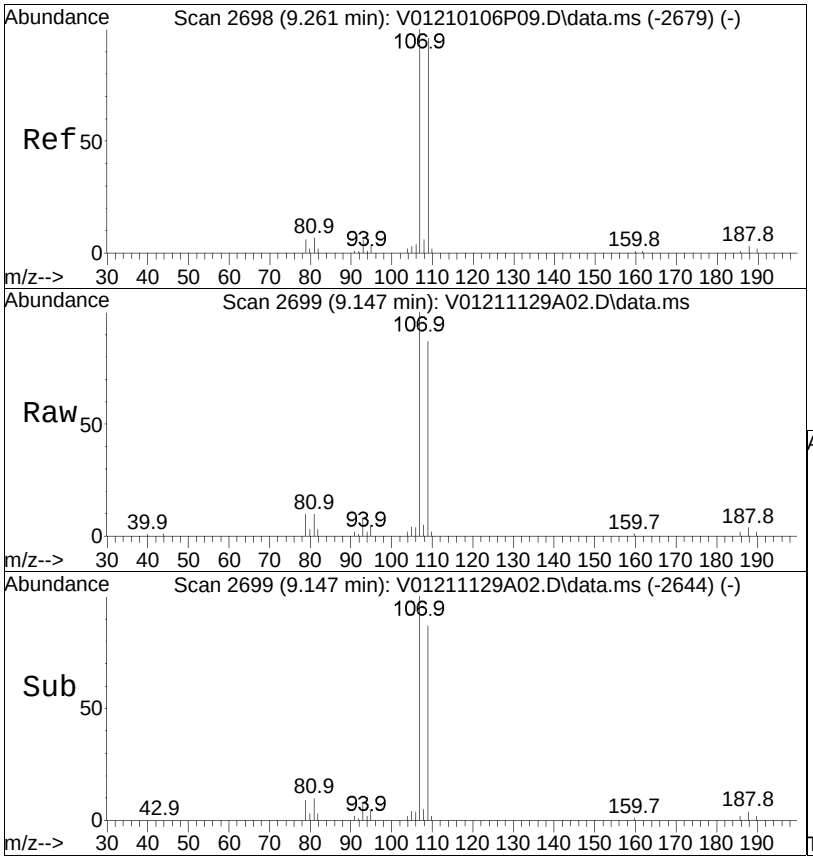


#70
1,3-Dichloropropane
Concen: 10.35 ug/L
RT: 8.971 min Scan# 2636
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 76 Resp: 152877

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

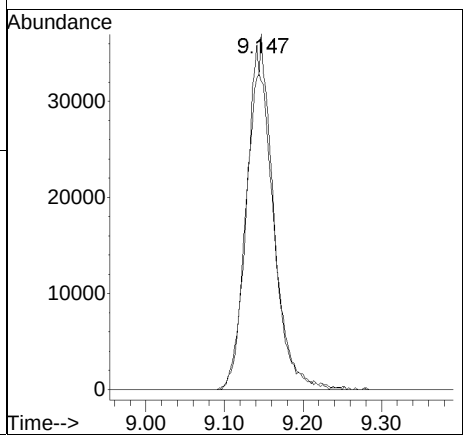


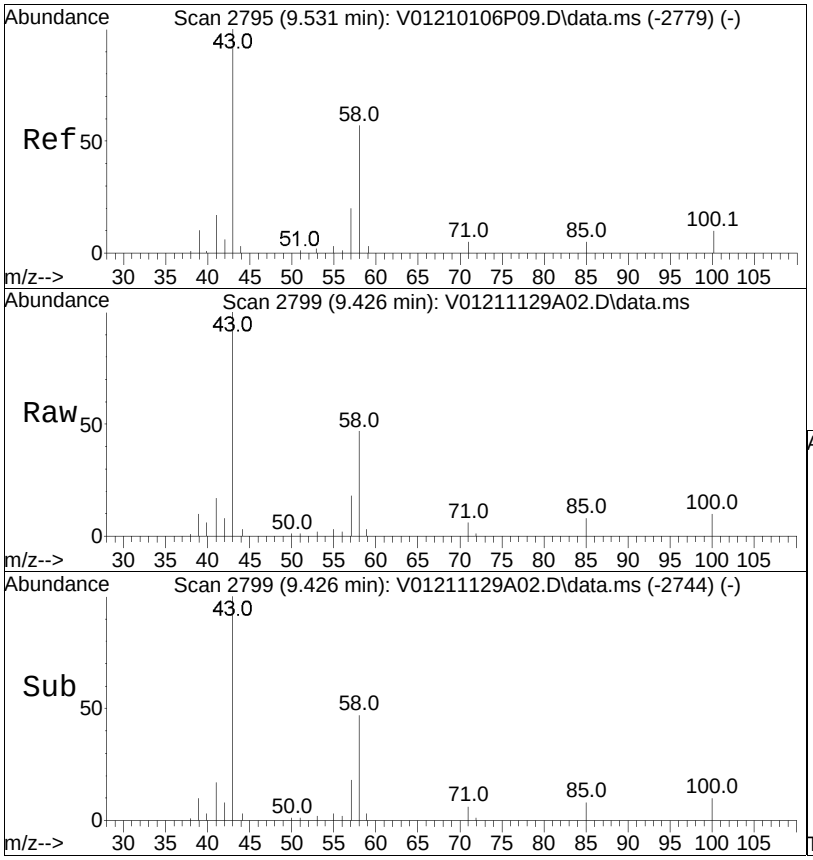


#71
1,2-Dibromoethane
Concen: 10.38 ug/L M3
RT: 9.147 min Scan# 2699
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:107 Resp: 87697

Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.6	113.4

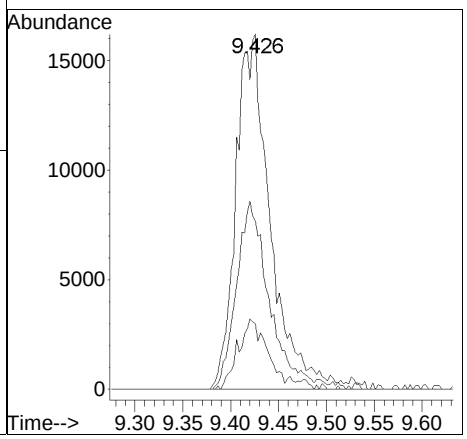


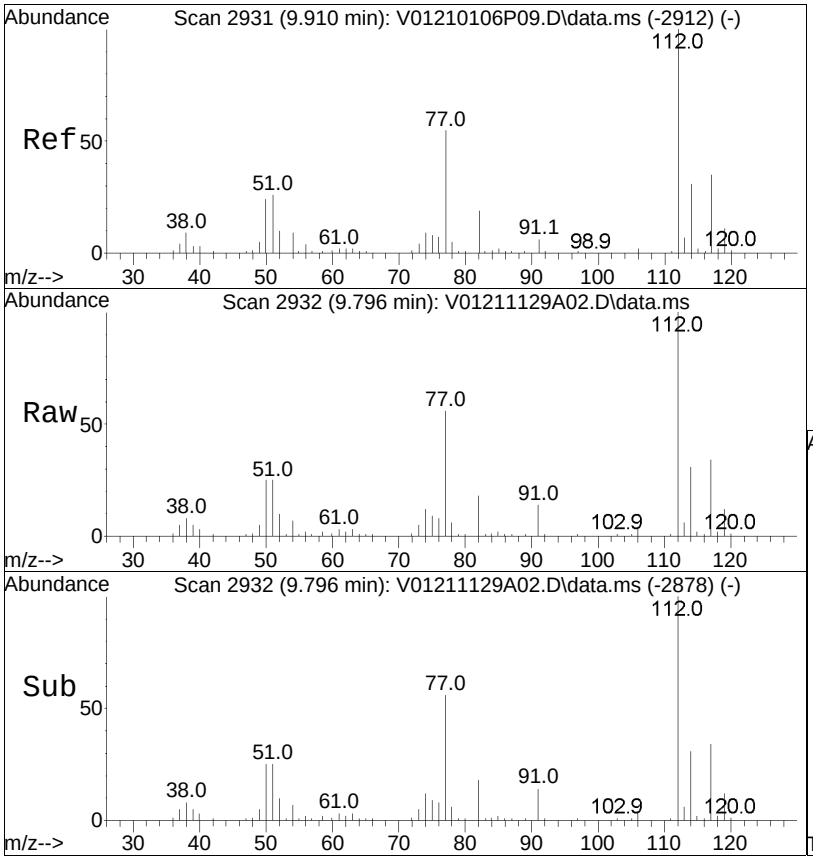


#72
2-Hexanone
Concen: 9.05 ug/L M3
RT: 9.426 min Scan# 2799
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 43 Resp: 40890

Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.8	61.2
57	16.3	14.2	21.4

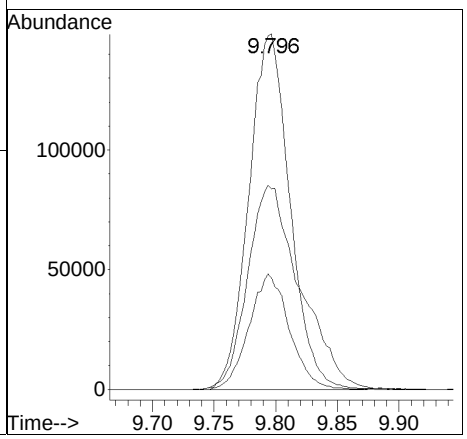


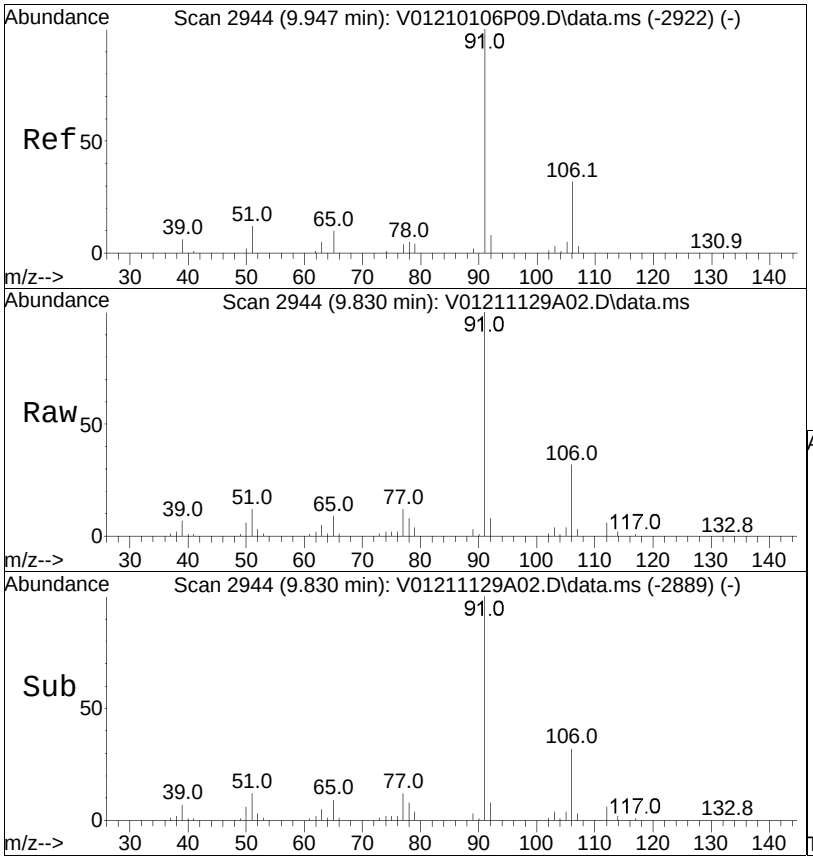


#73
Chlorobenzene
Concen: 10.26 ug/L
RT: 9.796 min Scan# 2932
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:112 Resp: 343544

Ion	Ratio	Lower	Upper
112	100		
77	73.7	59.8	89.6
114	32.0	25.4	38.2

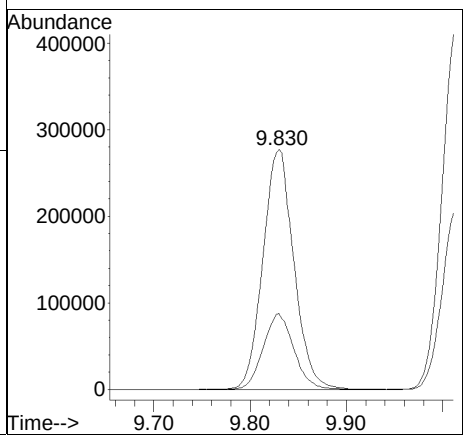


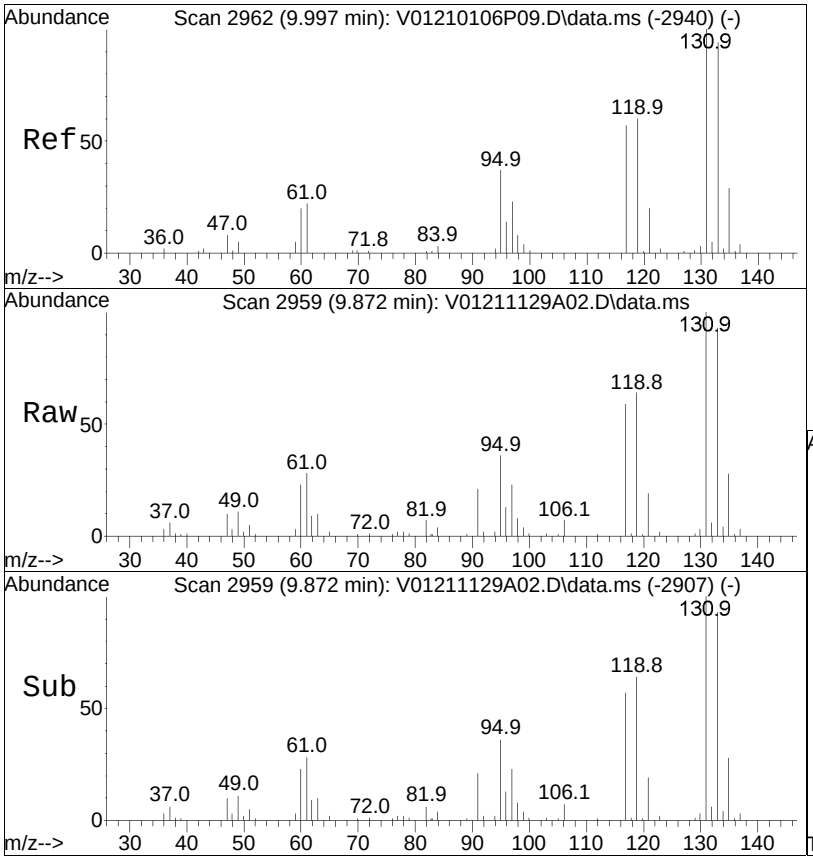


#74
Ethylbenzene
Concen: 10.48 ug/L
RT: 9.830 min Scan# 2944
Delta R.T. 0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 91 Resp: 619536

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.7	37.1

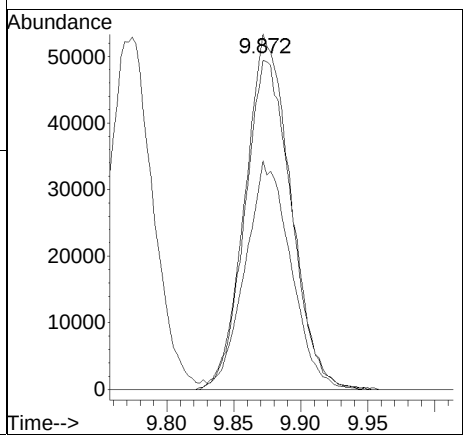


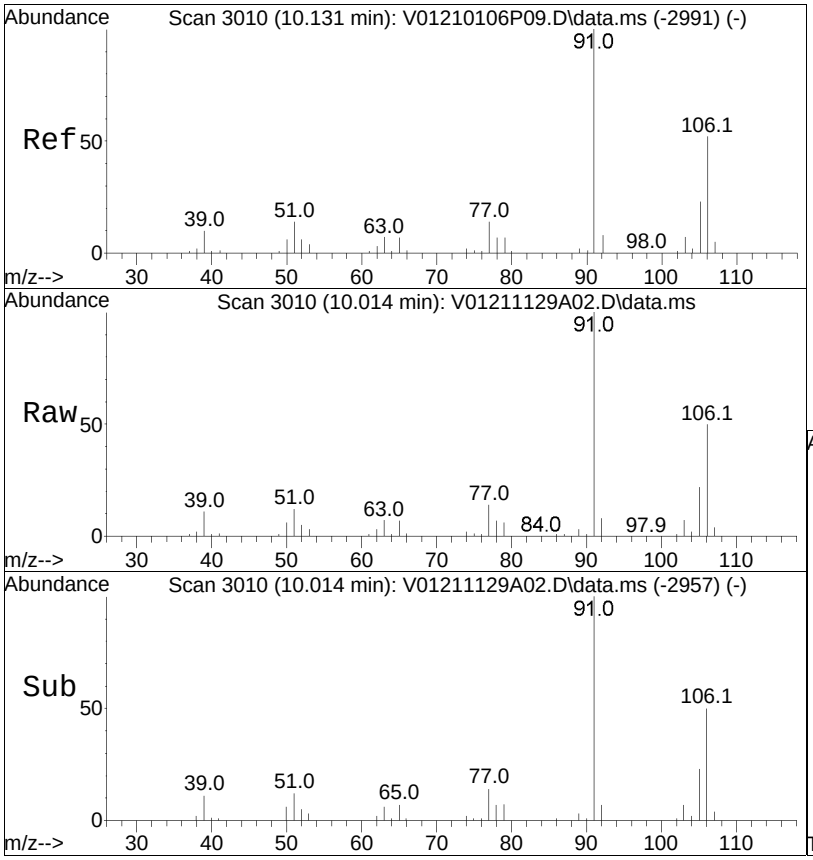


#75
1,1,1,2-Tetrachloroethane
Concen: 10.29 ug/L
RT: 9.872 min Scan# 2959
Delta R.T. -0.005 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:131 Resp: 126360

Ion	Ratio	Lower	Upper
131	100		
133	94.3	75.8	115.8
119	64.6	45.8	85.8

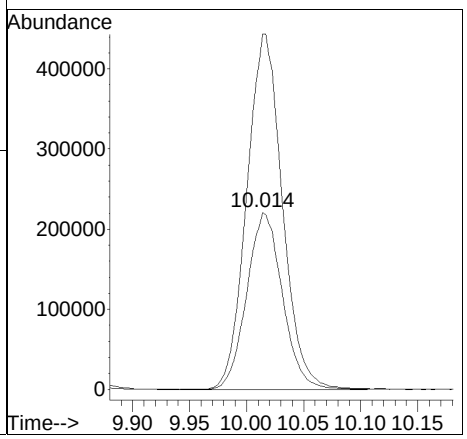


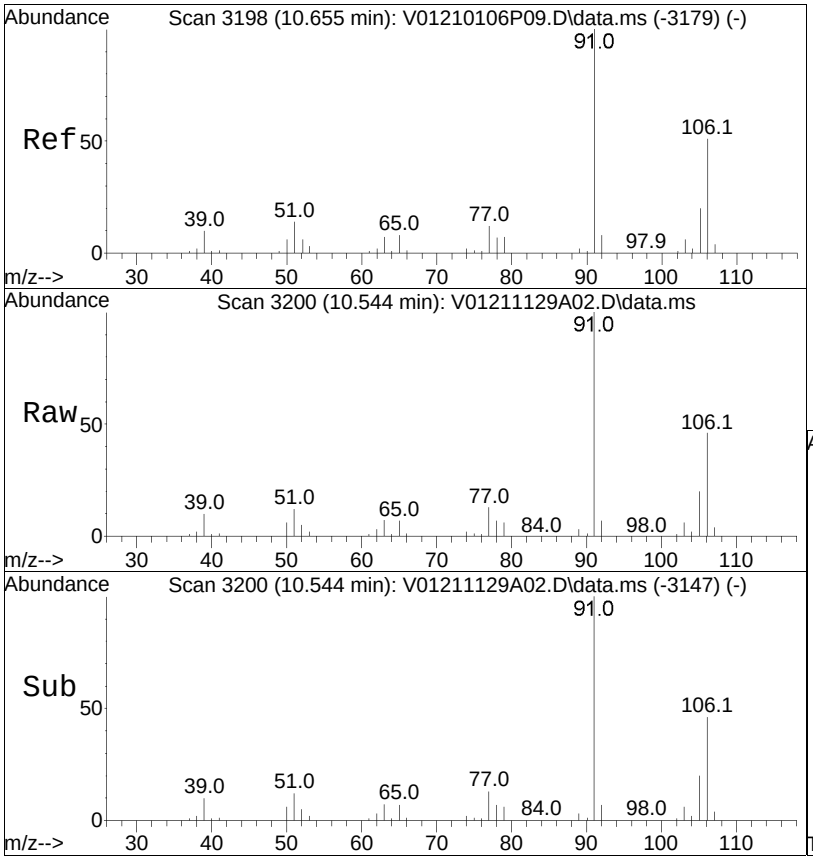


#76
p/m Xylene
Concen: 20.56 ug/L
RT: 10.014 min Scan# 3010
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:106 Resp: 479141

Ion	Ratio	Lower	Upper
106	100		
91	200.4	162.9	244.3

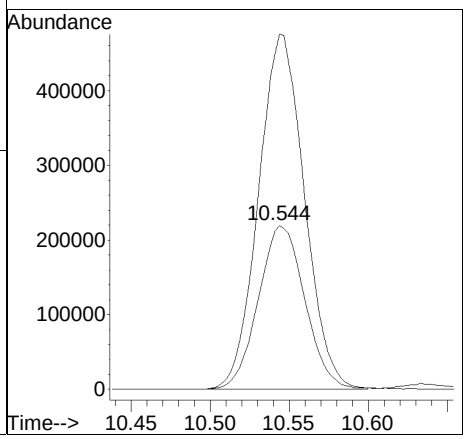


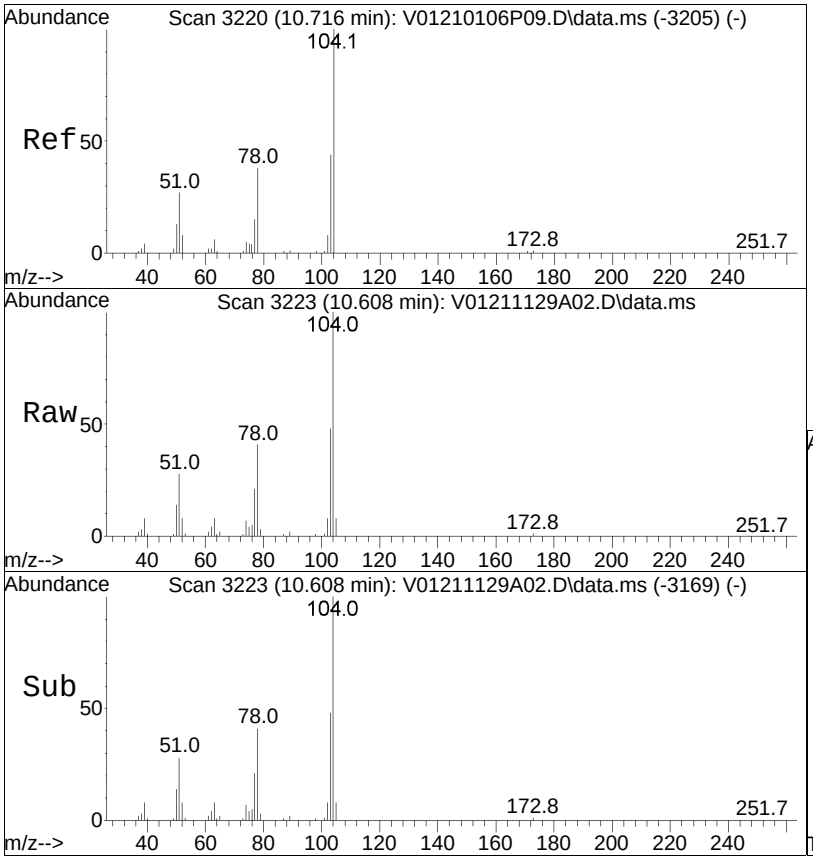


#77
o Xylene
Concen: 20.23 ug/L
RT: 10.544 min Scan# 3200
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:106 Resp: 449005

Ion	Ratio	Lower	Upper
106	100		
91	214.1	171.2	256.8

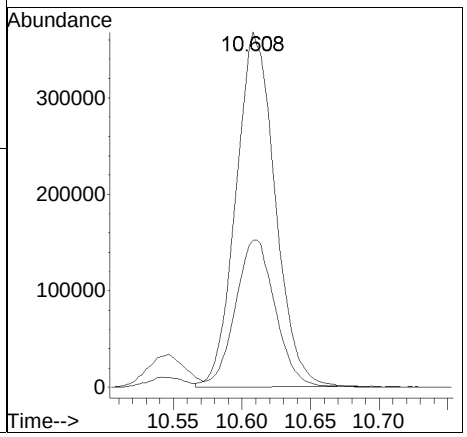


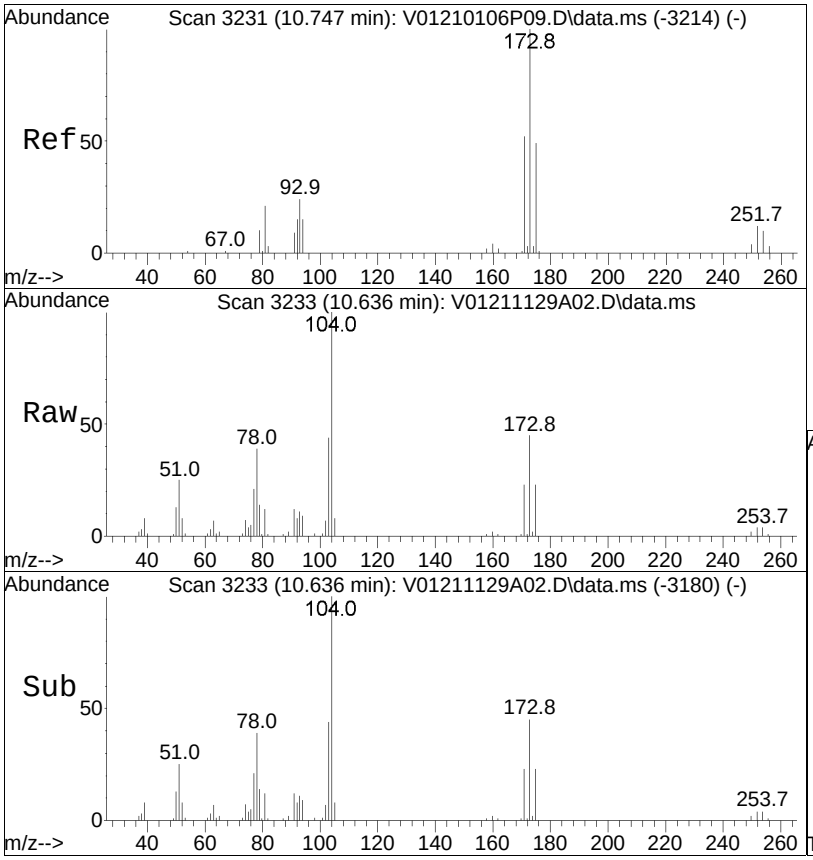


#78
Styrene
Concen: 20.51 ug/L
RT: 10.608 min Scan# 3223
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:104 Resp: 730328

Ion	Ratio	Lower	Upper
104	100		
78	42.3	34.2	51.4

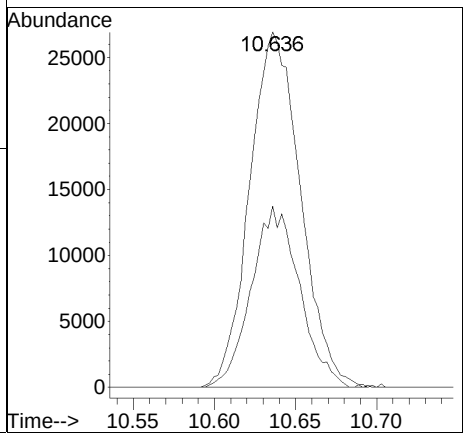


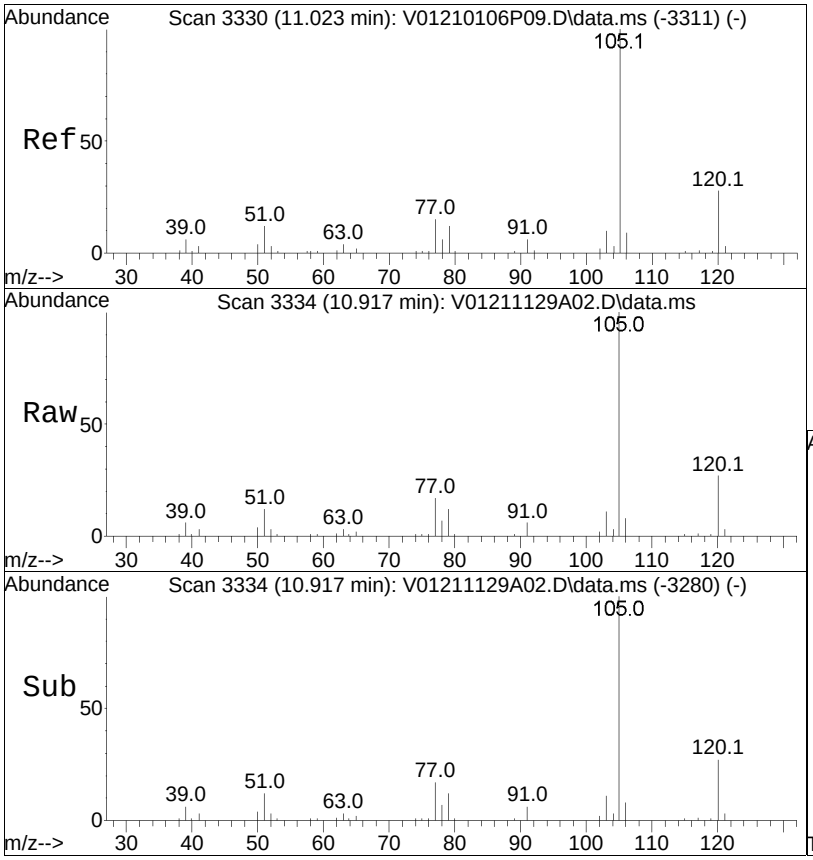


#80
Bromoform
Concen: 9.45 ug/L
RT: 10.636 min Scan# 3233
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:173 Resp: 58784

Ion	Ratio	Lower	Upper
173	100		
175	48.2	28.6	68.6

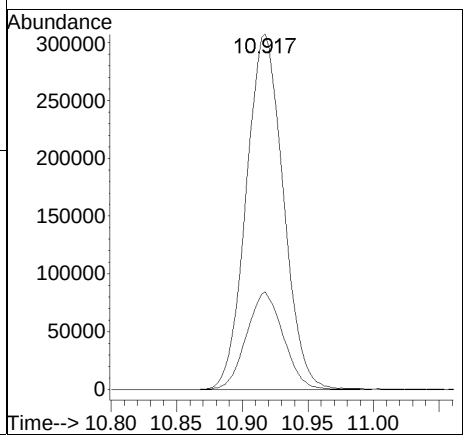


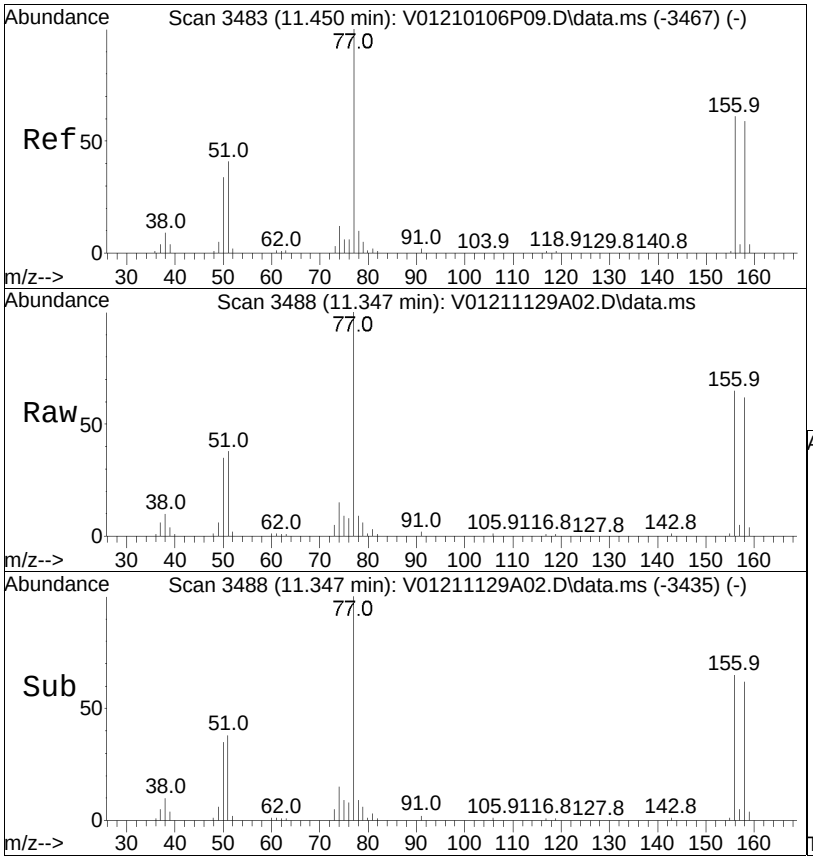


#82
Isopropylbenzene
Concen: 10.61 ug/L
RT: 10.917 min Scan# 3334
Delta R.T. -0.001 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:105 Resp: 604748

Ion	Ratio	Lower	Upper
105	100		
120	27.1	7.3	47.3

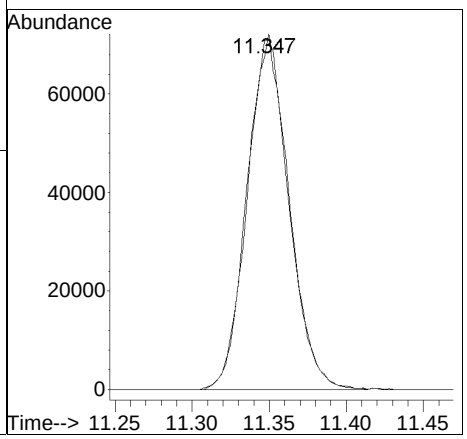


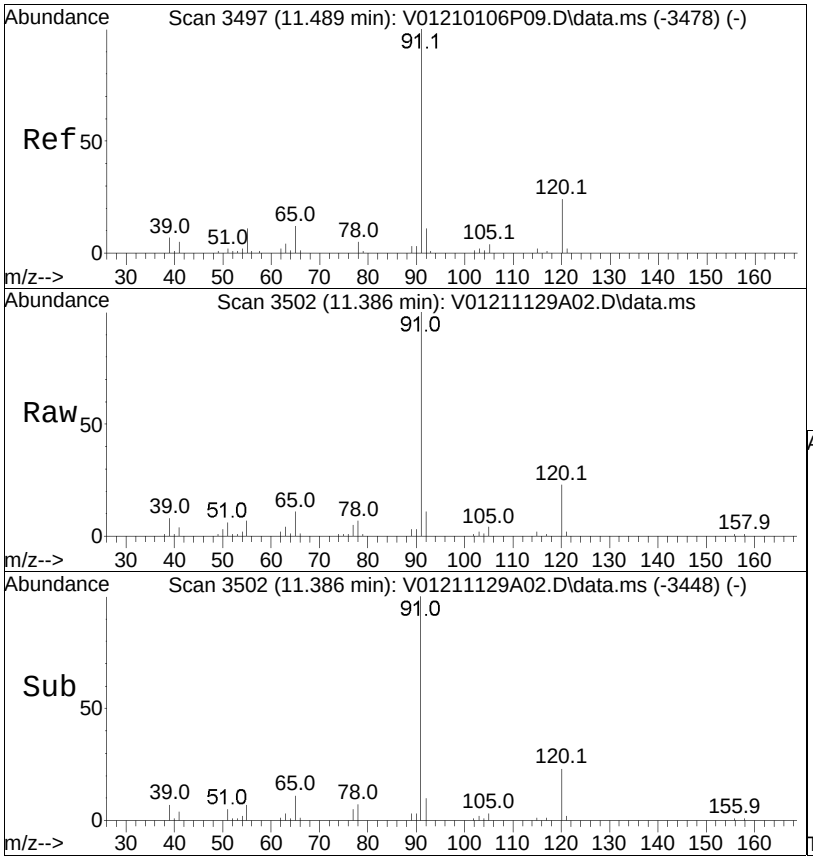


#84
Bromobenzene
Concen: 10.23 ug/L
RT: 11.347 min Scan# 3488
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:156 Resp: 136642

Ion	Ratio	Lower	Upper
156	100		
158	97.6	78.2	117.4

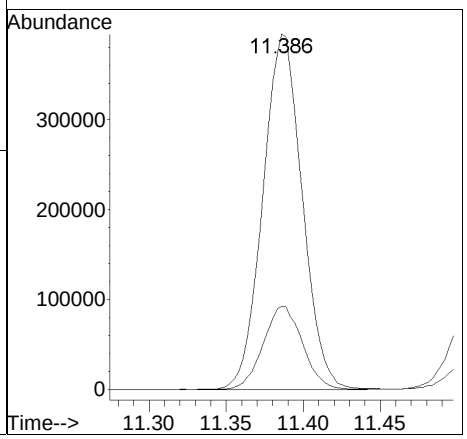


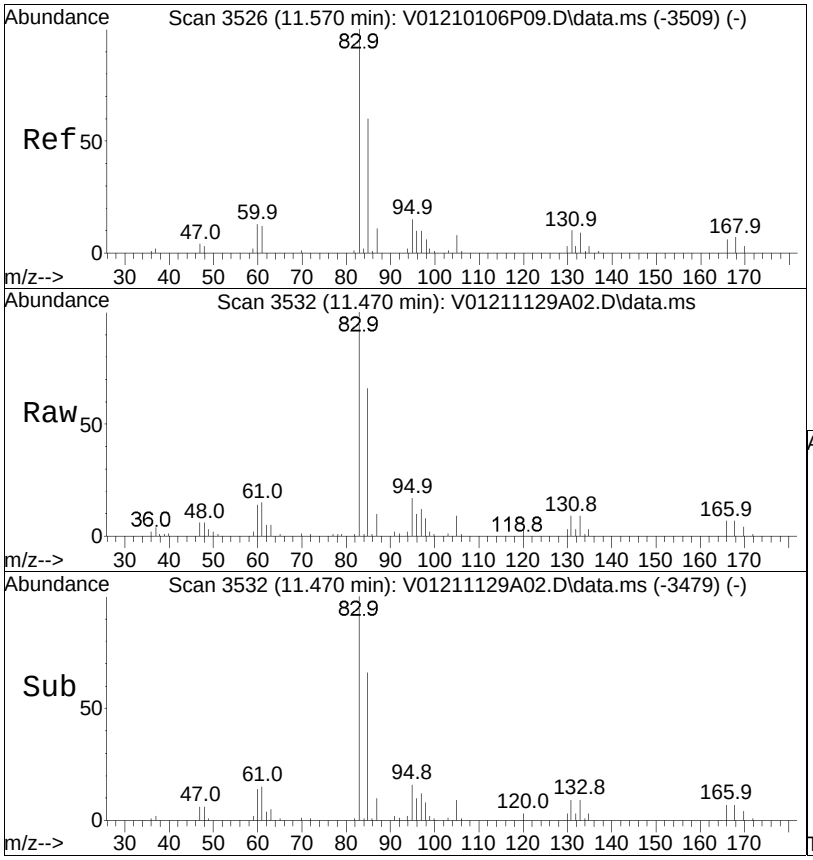


#85
n-Propylbenzene
Concen: 10.65 ug/L
RT: 11.386 min Scan# 3502
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 91 Resp: 700362

Ion	Ratio	Lower	Upper
91	100		
120	23.4	18.6	28.0

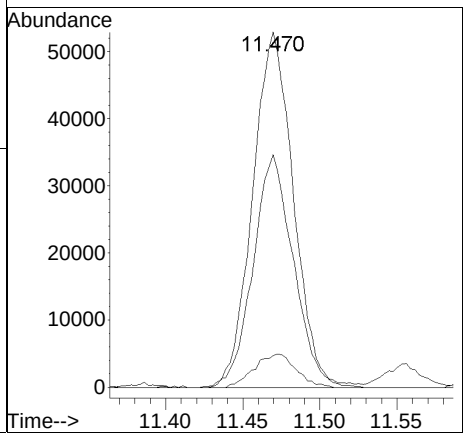


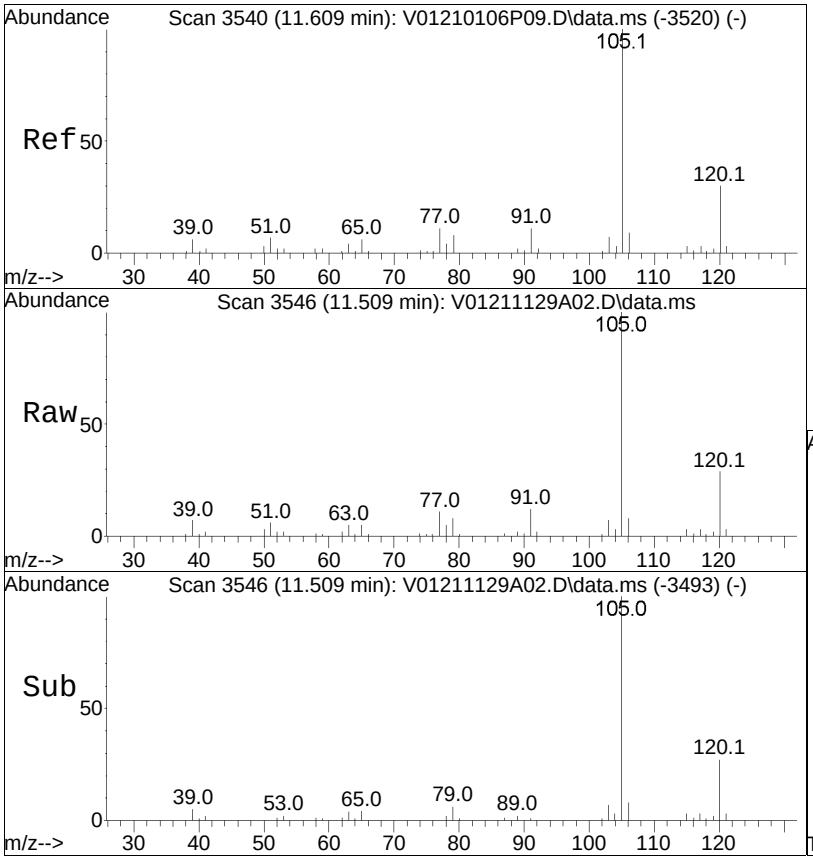


#87
1,1,2,2-Tetrachloroethane
Concen: 10.83 ug/L
RT: 11.470 min Scan# 3532
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 83 Resp: 96988

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	30.1
85	65.3	45.8	85.8

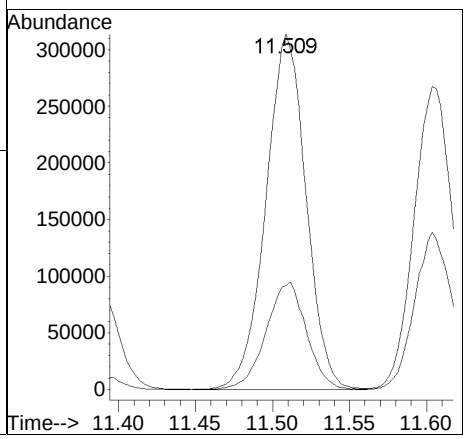


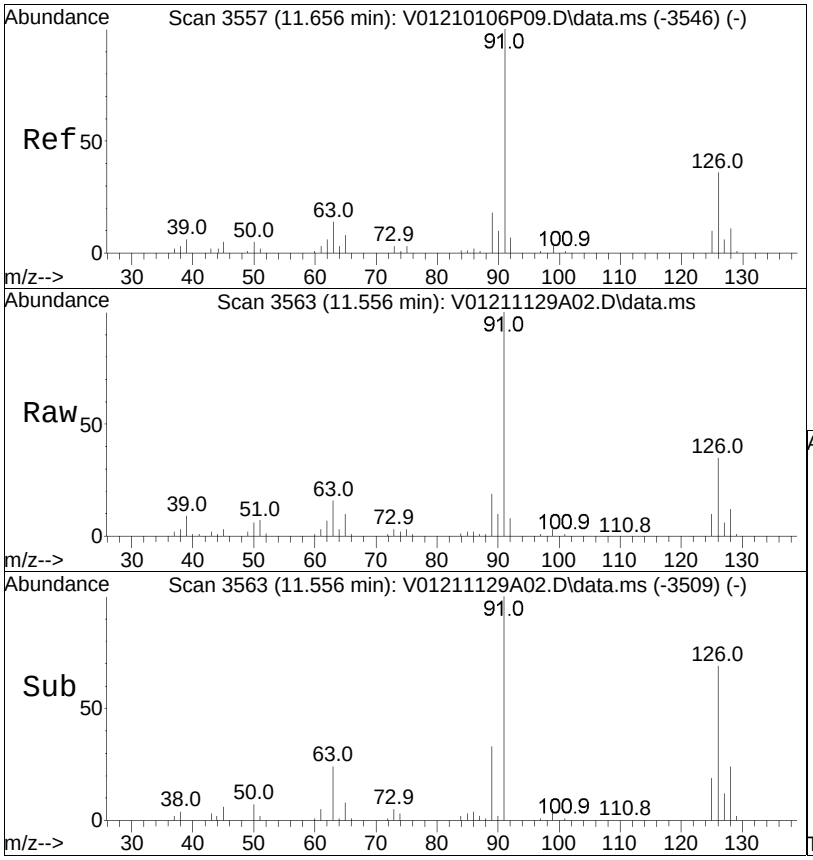


#88
4-Ethyltoluene
Concen: 10.40 ug/L
RT: 11.509 min Scan# 3546
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:105 Resp: 568055

Ion	Ratio	Lower	Upper
105	100		
120	30.4	19.8	41.0

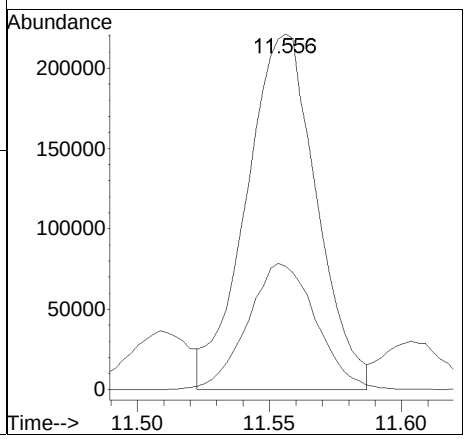


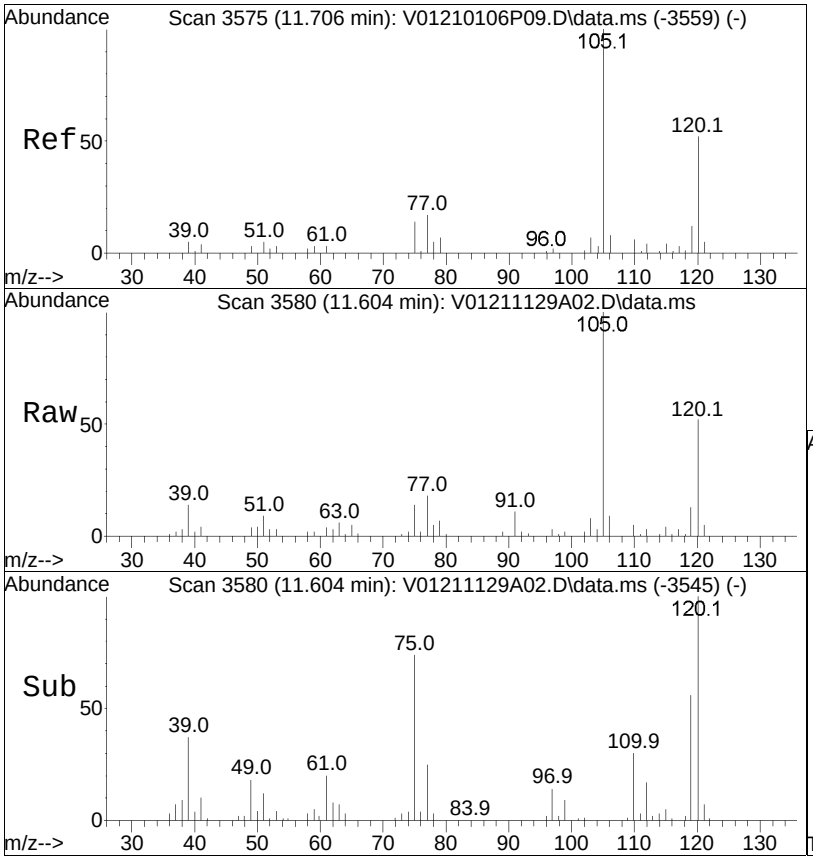


#89
2-Chlorotoluene
Concen: 10.60 ug/L M1
RT: 11.556 min Scan# 3563
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 91 Resp: 408477

Ion	Ratio	Lower	Upper
91	100		
126	34.5	27.1	40.7

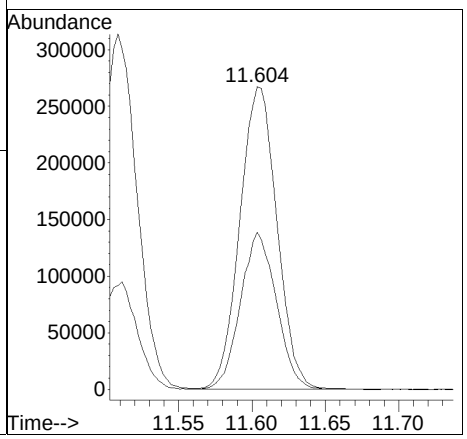


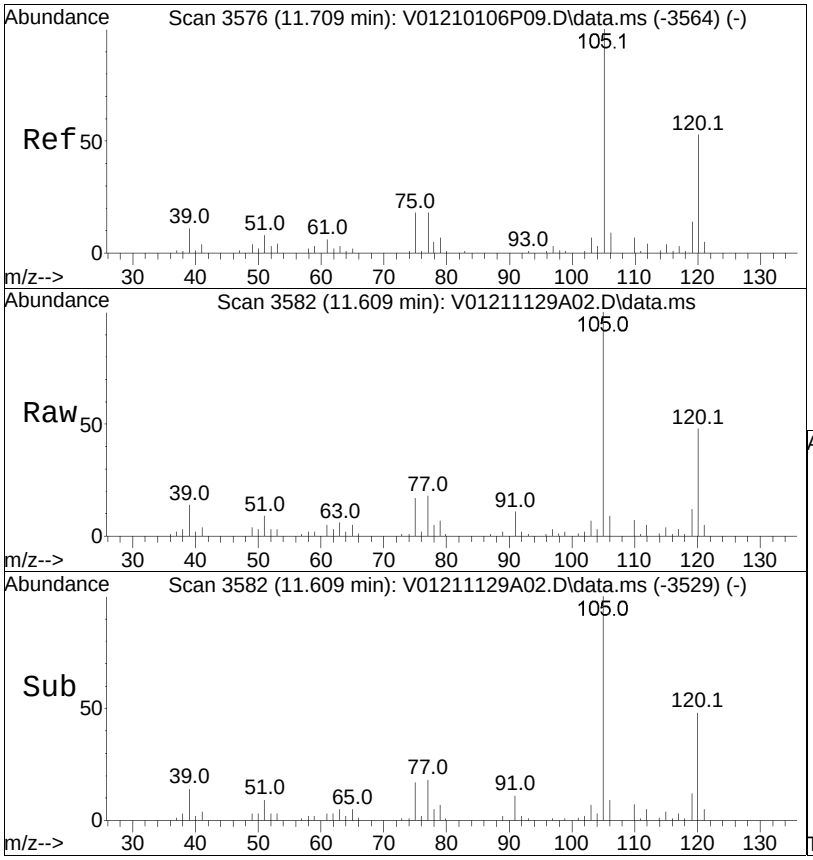


#90
1,3,5-Trimethylbenzene
Concen: 10.38 ug/L
RT: 11.604 min Scan# 3580
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:105 Resp: 469613

Ion	Ratio	Lower	Upper
105	100		
120	50.4	40.6	60.8

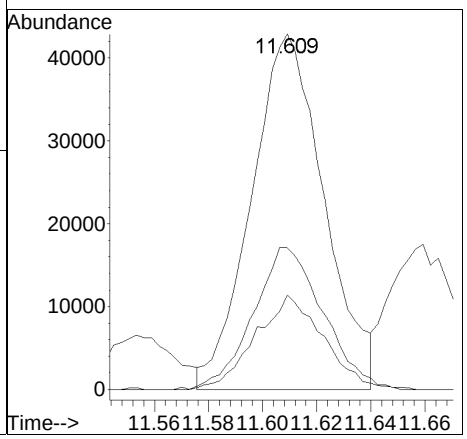


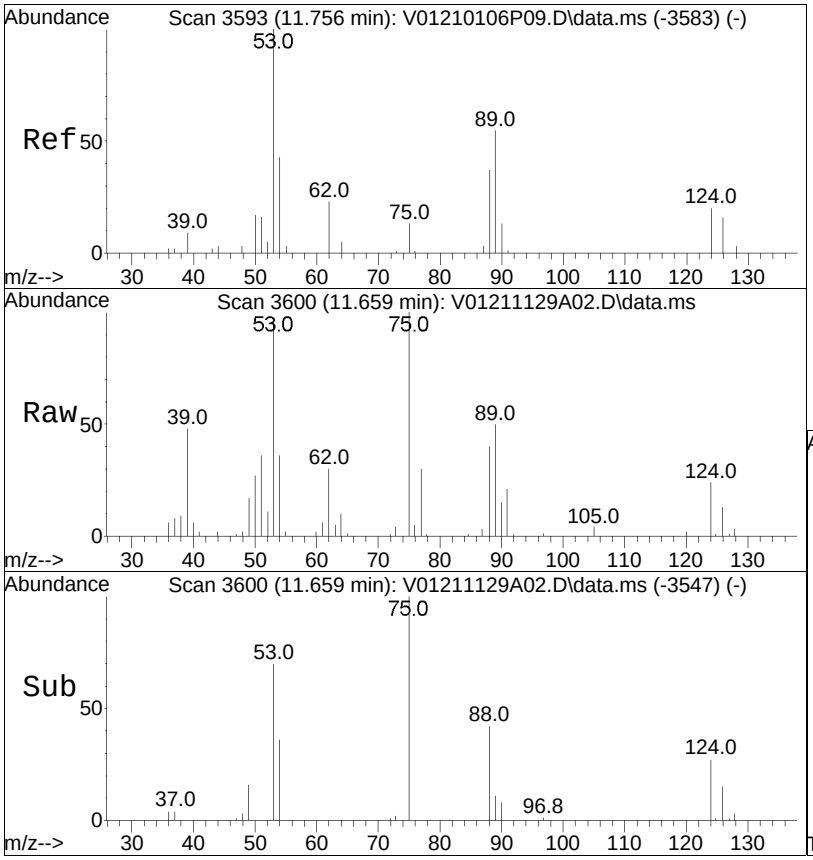


#91
1,2,3-Trichloropropane
Concen: 10.37 ug/L M1
RT: 11.609 min Scan# 3582
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 75 Resp: 80048

Ion	Ratio	Lower	Upper
75	100		
110	38.5	26.5	54.9
112	24.6	17.0	35.2

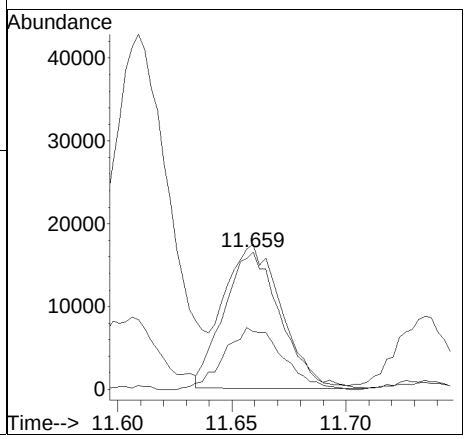


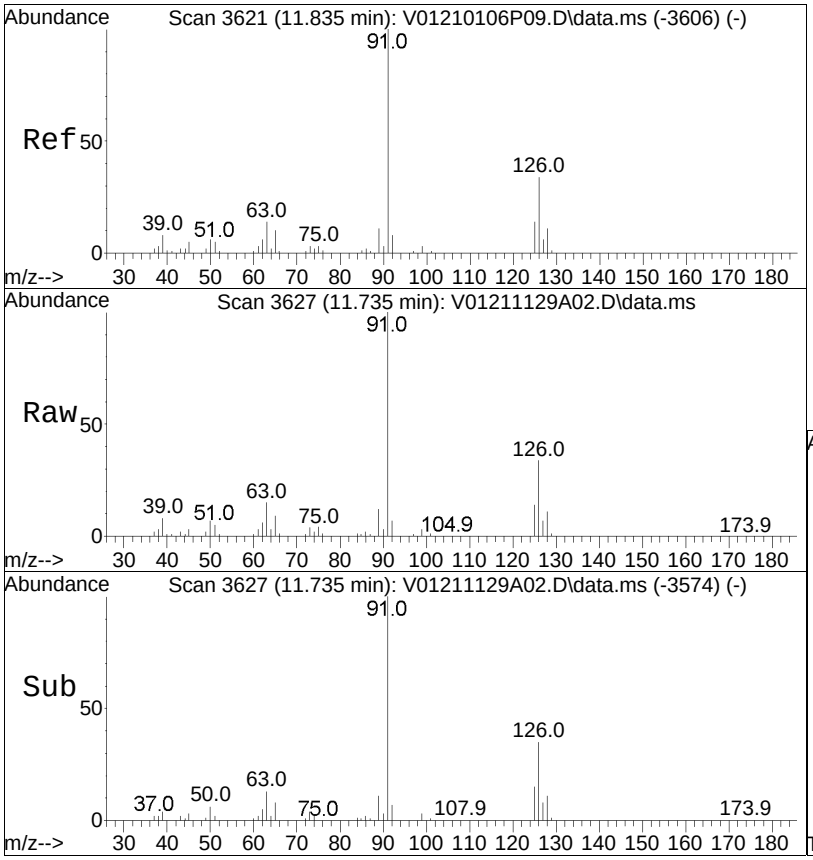


#92
trans-1,4-Dichloro-2-butene
Concen: 10.27 ug/L
RT: 11.659 min Scan# 3600
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 53 Resp: 28314

Ion	Ratio	Lower	Upper
53	100		
88	46.6	46.0	69.0
75	101.7	107.0	160.4#

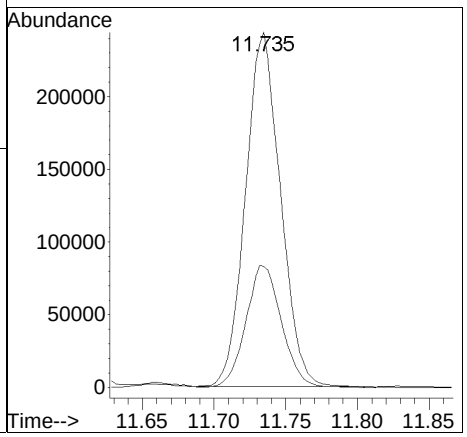


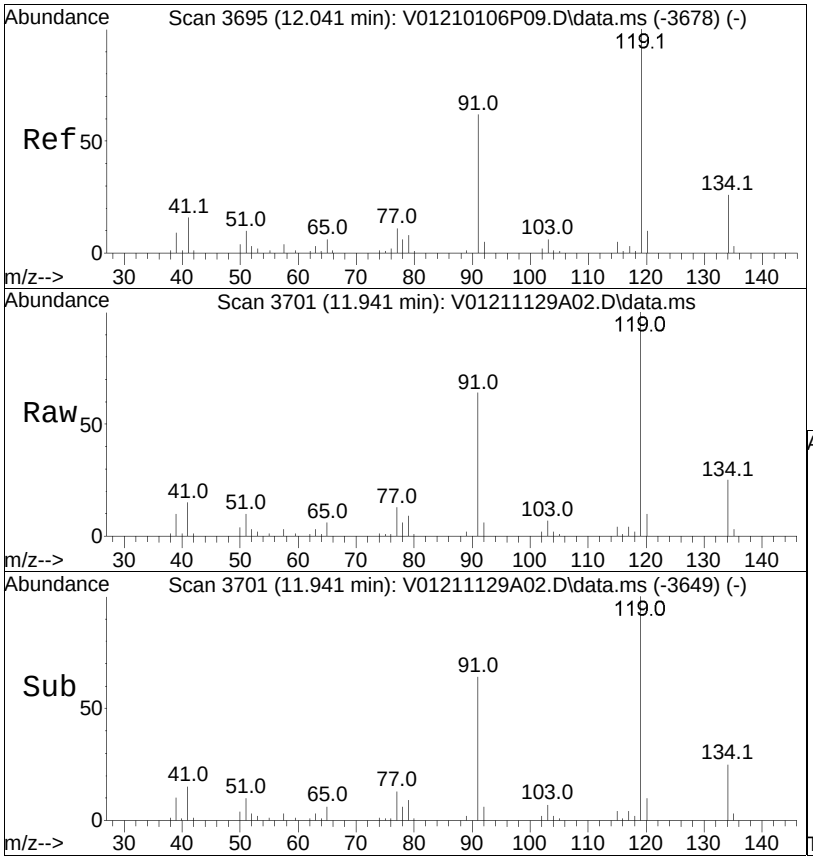


#93
4-Chlorotoluene
Concen: 10.41 ug/L
RT: 11.735 min Scan# 3627
Delta R.T. -0.002 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 91 Resp: 413358

Ion	Ratio	Lower	Upper
91	100		
126	35.2	28.2	42.2

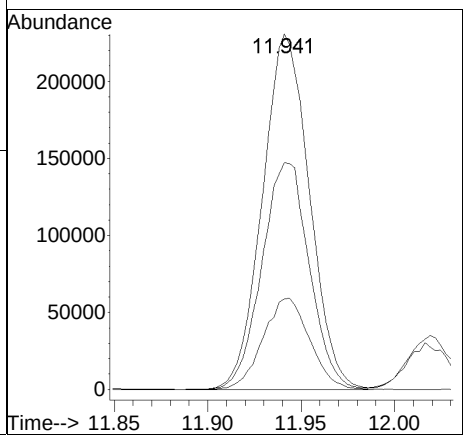


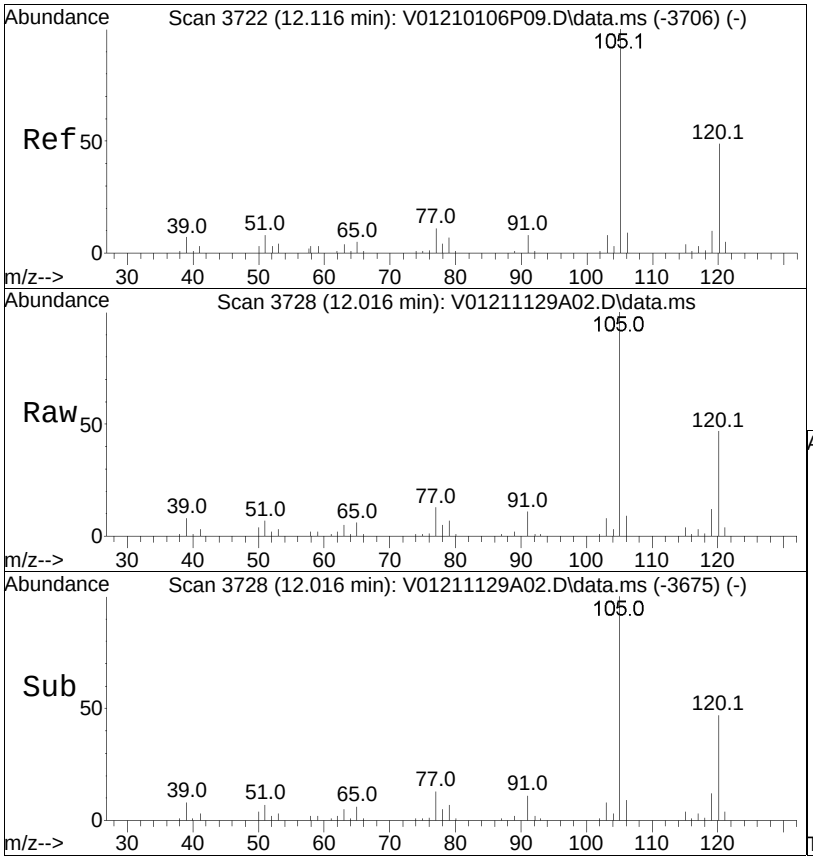


#94
tert-Butylbenzene
Concen: 10.64 ug/L
RT: 11.941 min Scan# 3701
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:119 Resp: 403462

Ion	Ratio	Lower	Upper
119	100		
91	64.7	52.5	78.7
134	25.5	20.9	31.3

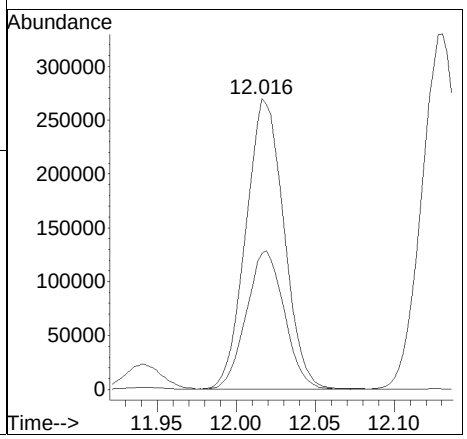


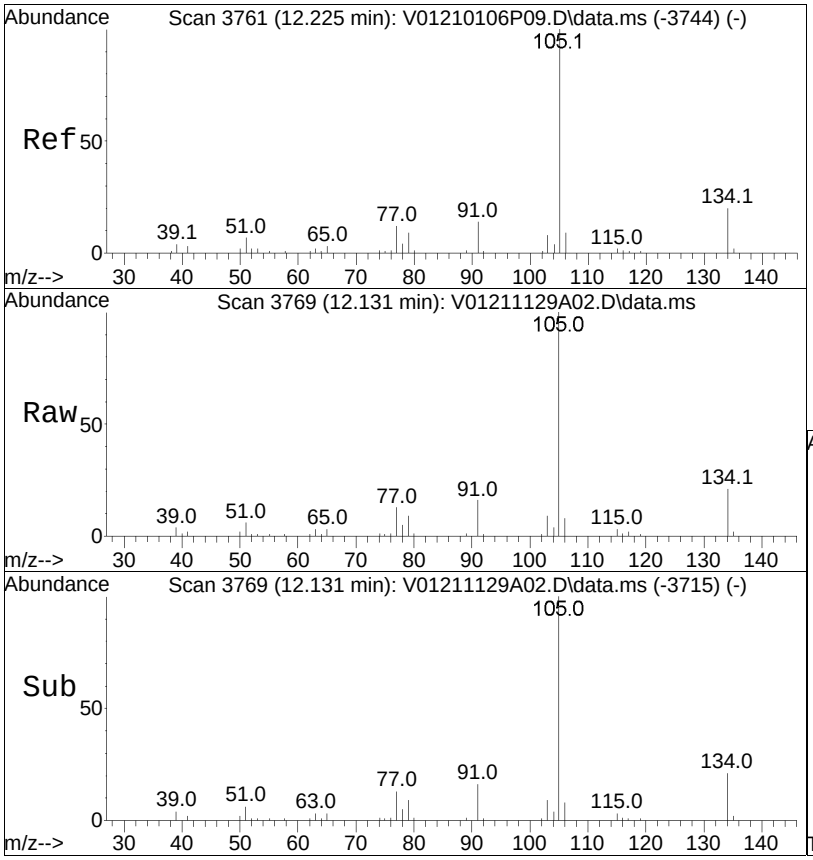


#97
1,2,4-Trimethylbenzene
Concen: 10.37 ug/L
RT: 12.016 min Scan# 3728
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:105 Resp: 451731

Ion	Ratio	Lower	Upper
105	100		
120	47.7	37.8	56.6

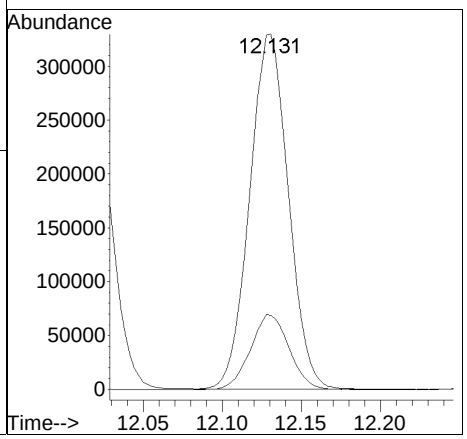


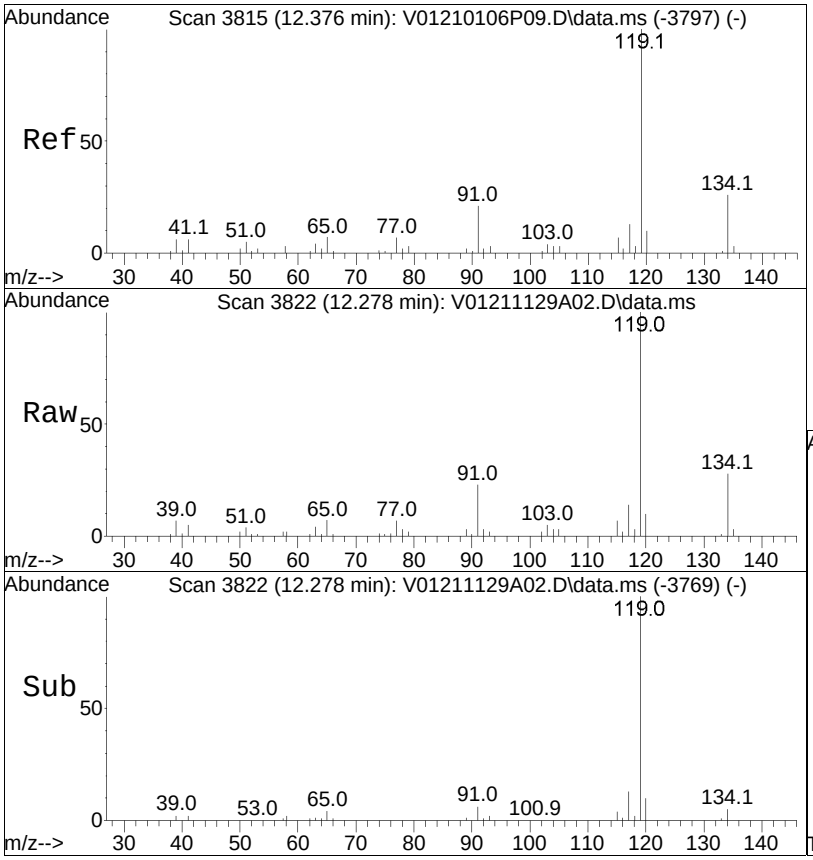


#98
sec-Butylbenzene
Concen: 10.76 ug/L
RT: 12.131 min Scan# 3769
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:105 Resp: 560171

Ion	Ratio	Lower	Upper
105	100		
134	21.0	14.0	29.0

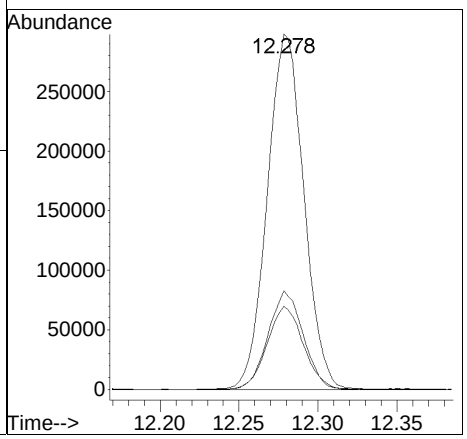


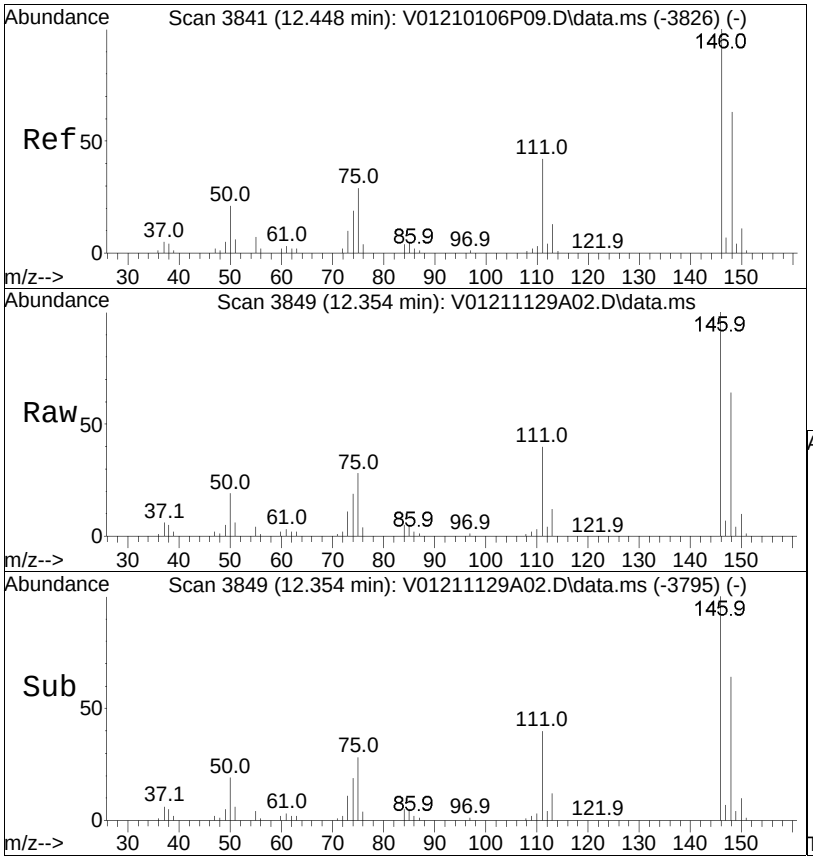


#99
p-Isopropyltoluene
Concen: 10.64 ug/L
RT: 12.278 min Scan# 3822
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:119 Resp: 479251

Ion	Ratio	Lower	Upper
119	100		
134	26.7	17.7	36.7
91	23.1	15.4	32.0

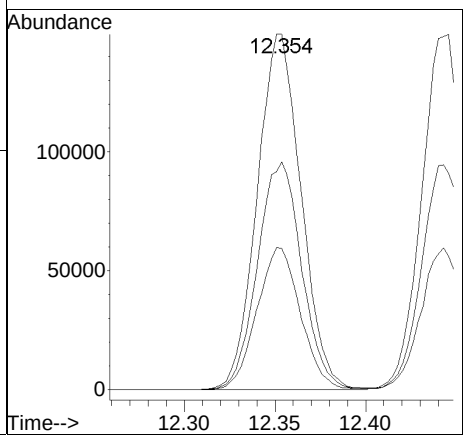


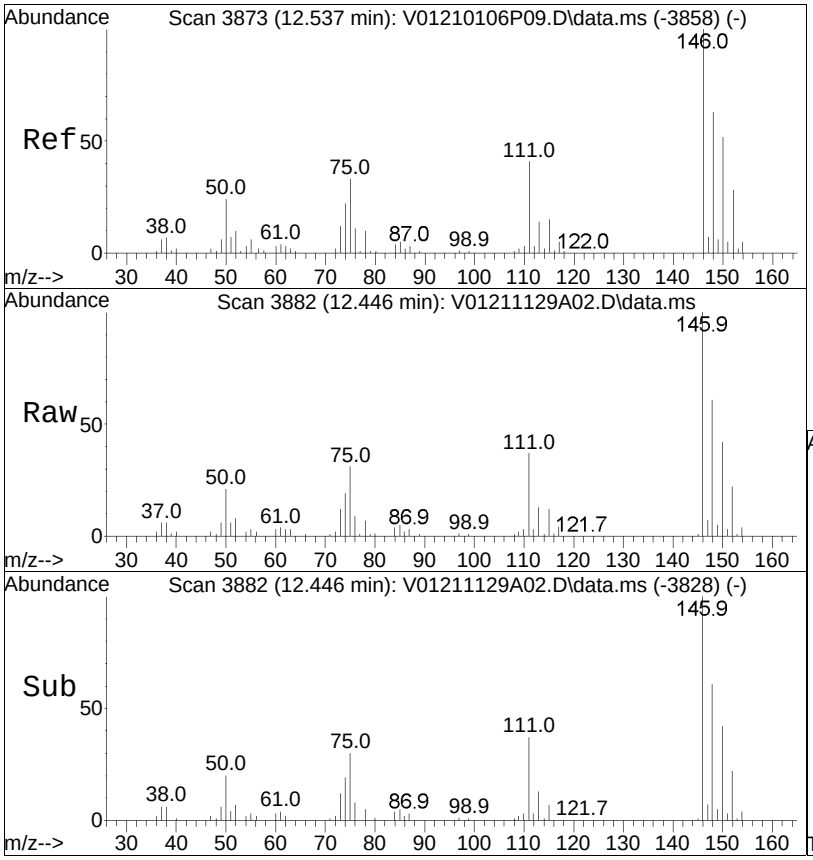


#100
1,3-Dichlorobenzene
Concen: 10.38 ug/L
RT: 12.354 min Scan# 3849
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:146 Resp: 252056

Ion	Ratio	Lower	Upper
146	100		
111	39.5	25.9	53.9
148	64.4	41.5	86.3

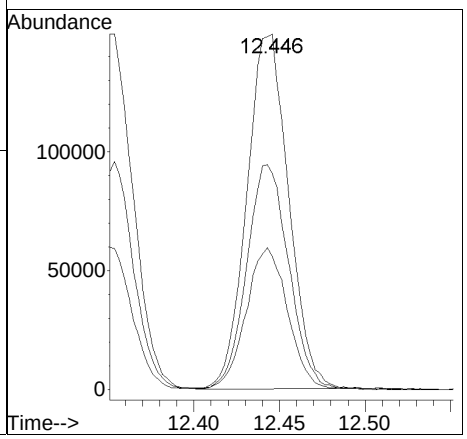


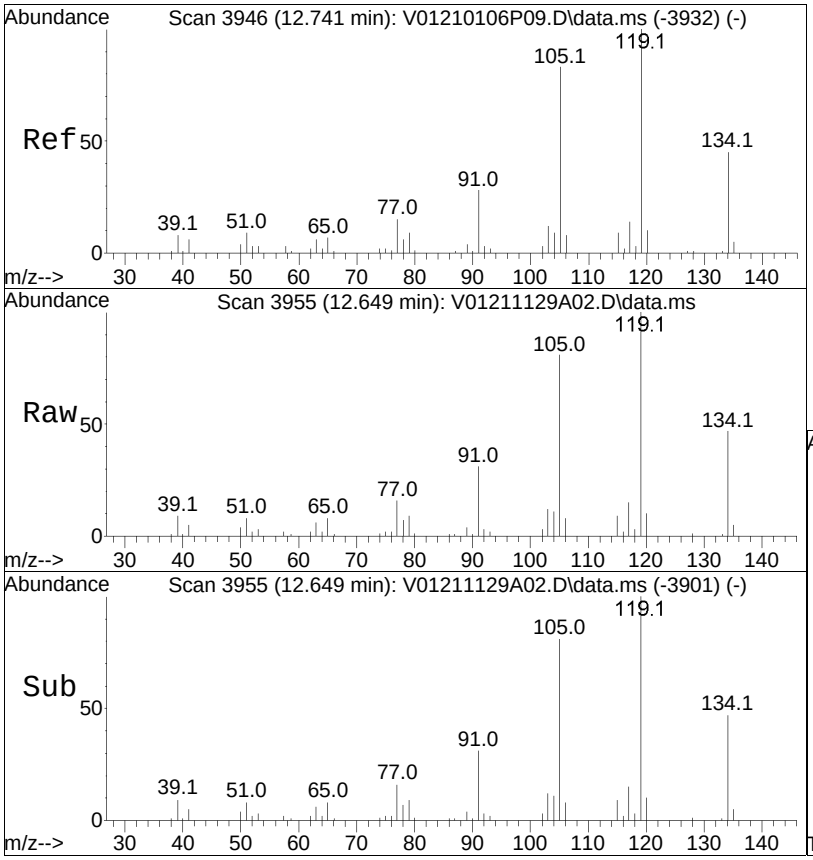


#101
1,4-Dichlorobenzene
Concen: 10.31 ug/L
RT: 12.446 min Scan# 3882
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:146 Resp: 254003

Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.7	47.5
148	63.5	51.5	77.3

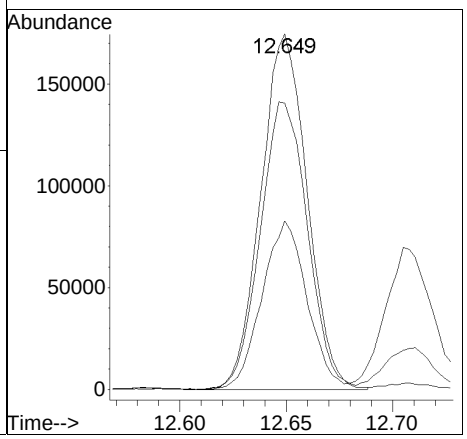


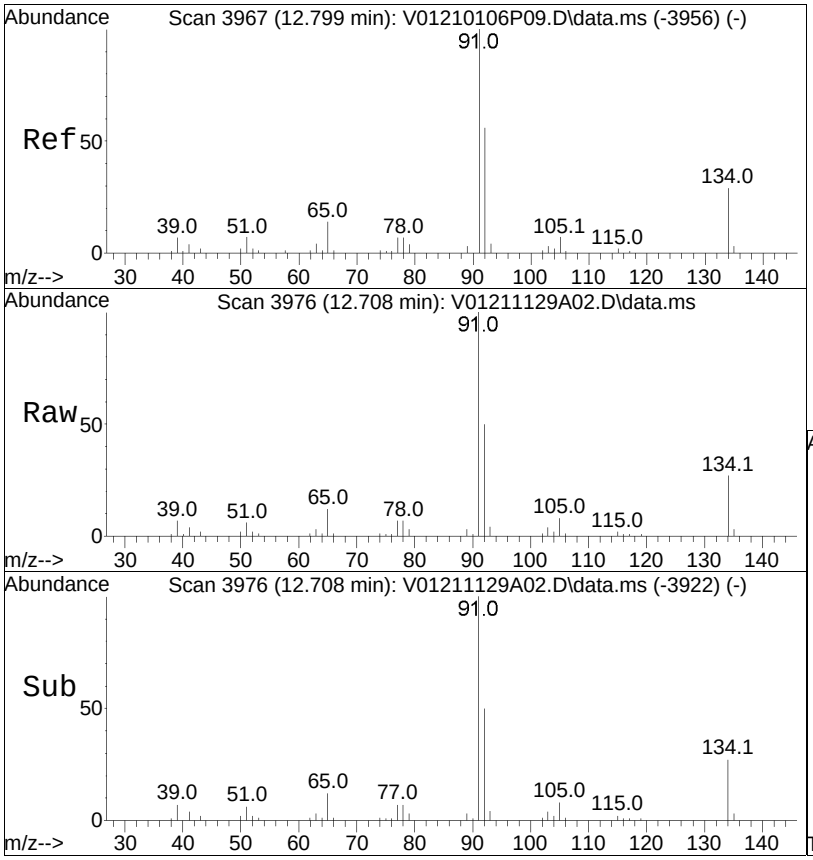


#102
p-Diethylbenzene
Concen: 10.44 ug/L
RT: 12.649 min Scan# 3955
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:119 Resp: 264573

Ion	Ratio	Lower	Upper
119	100		
105	82.4	54.1	112.3
134	46.0	31.5	65.3

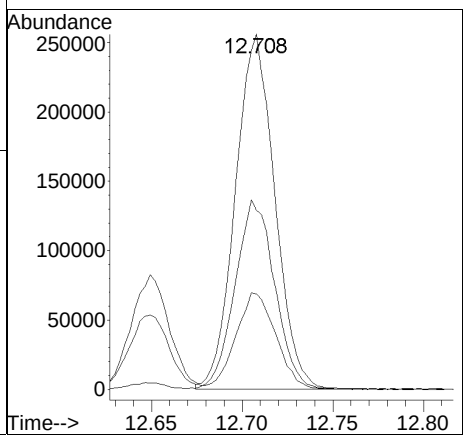


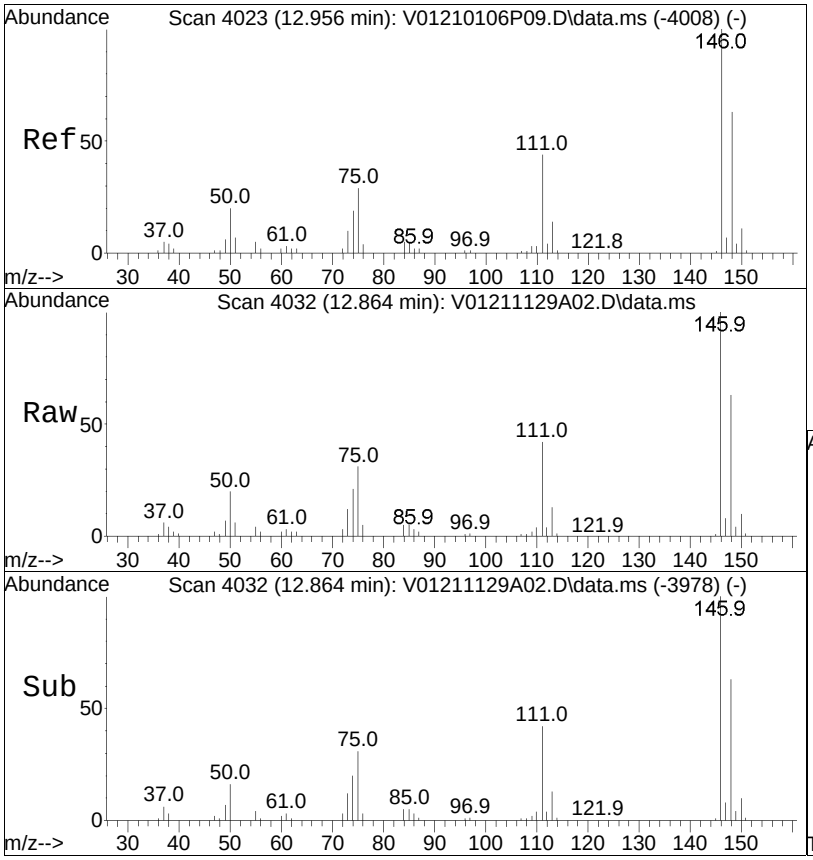


#103
n-Butylbenzene
Concen: 10.90 ug/L
RT: 12.708 min Scan# 3976
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion: 91 Resp: 386971

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.7	65.5
134	27.8	22.1	33.1

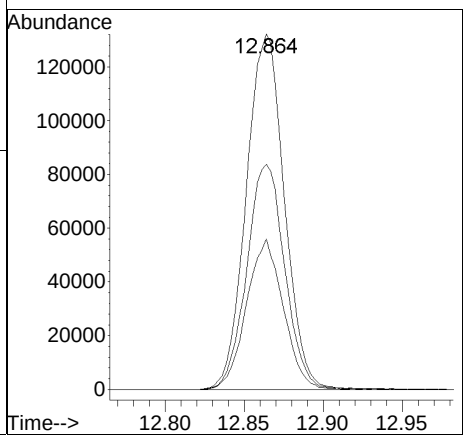


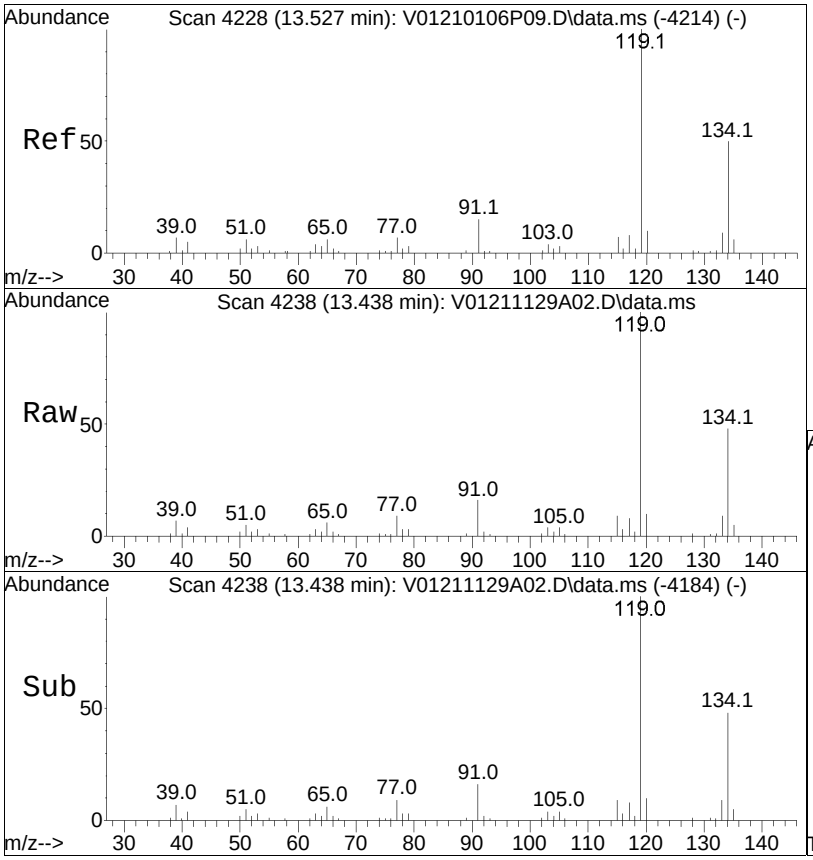


#104
1,2-Dichlorobenzene
Concen: 10.28 ug/L
RT: 12.864 min Scan# 4032
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:146 Resp: 221463

Ion	Ratio	Lower	Upper
146	100		
111	40.9	26.8	55.8
148	63.3	41.6	86.4

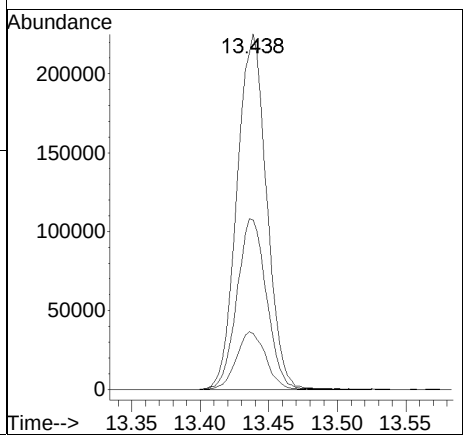


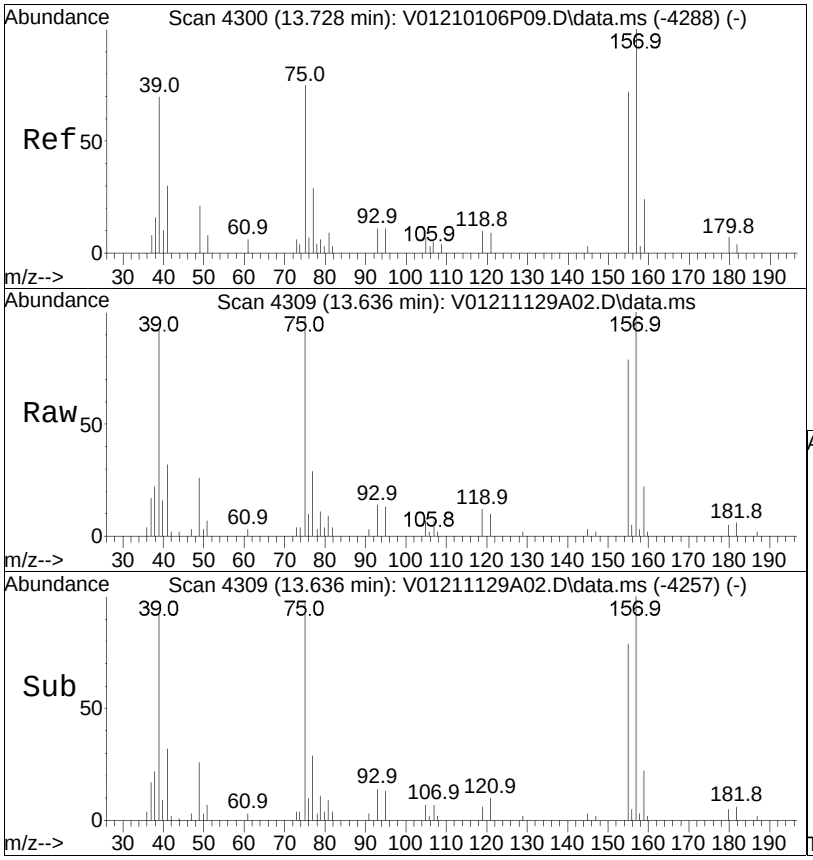


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.60 ug/L
RT: 13.438 min Scan# 4238
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:119 Resp: 338432

Ion	Ratio	Lower	Upper
119	100		
134	47.9	31.9	66.1
91	16.0	10.3	21.5

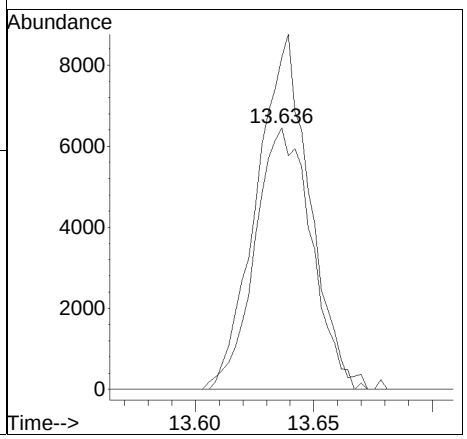


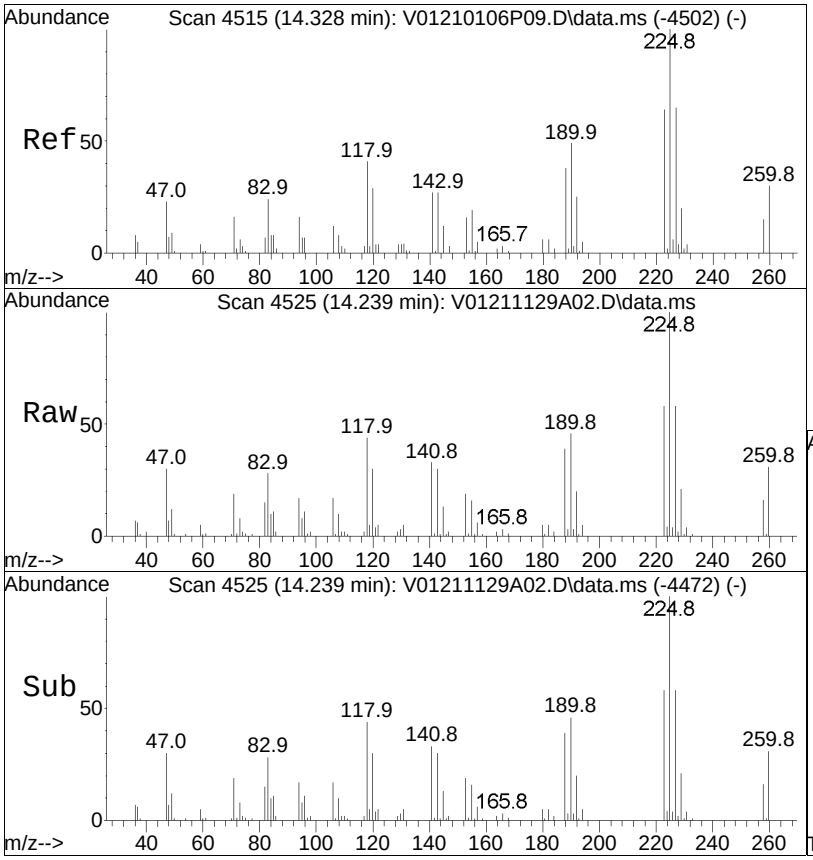


#106
1,2-Dibromo-3-chloropropane
Concen: 9.36 ug/L
RT: 13.636 min Scan# 4309
Delta R.T. -0.006 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:155 Resp: 10706

Ion	Ratio	Lower	Upper
155	100		
157	127.0	101.1	151.7

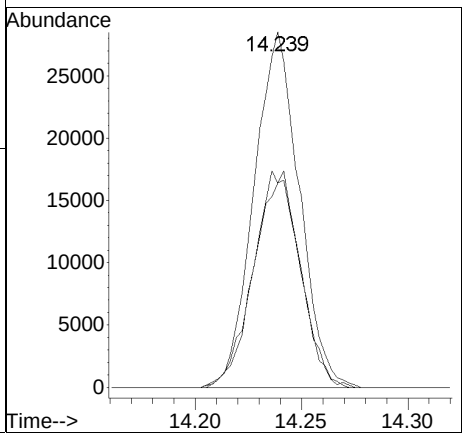


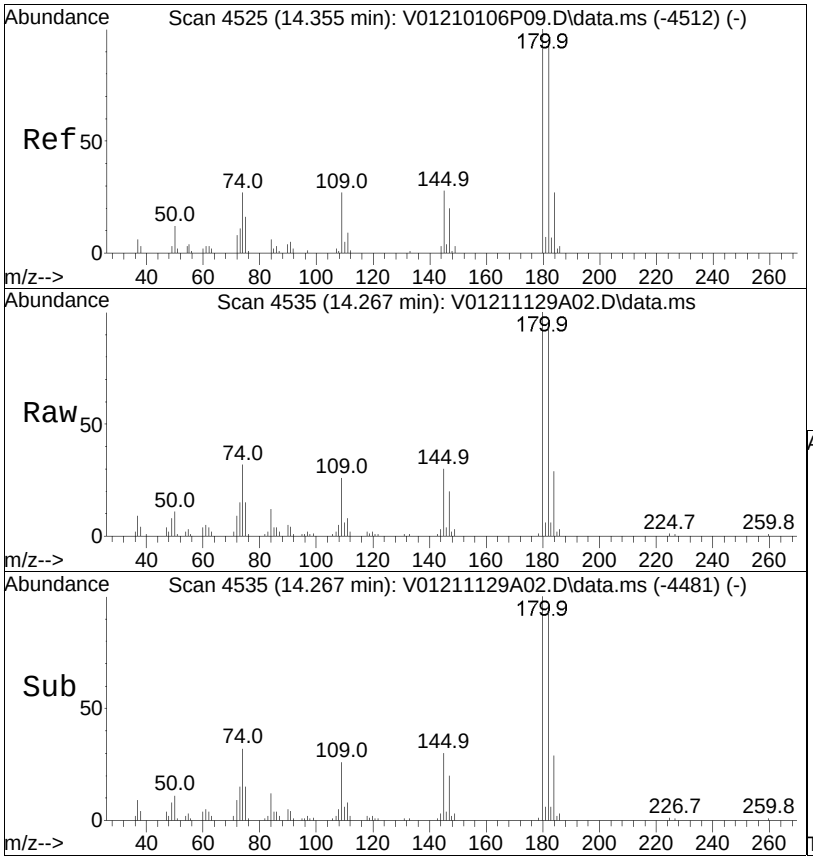


#108
Hexachlorobutadiene
Concen: 10.41 ug/L
RT: 14.239 min Scan# 4525
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:225 Resp: 42373

Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.0	76.4
227	62.2	52.2	78.4

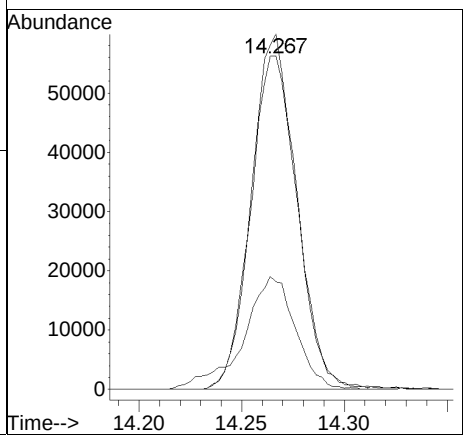


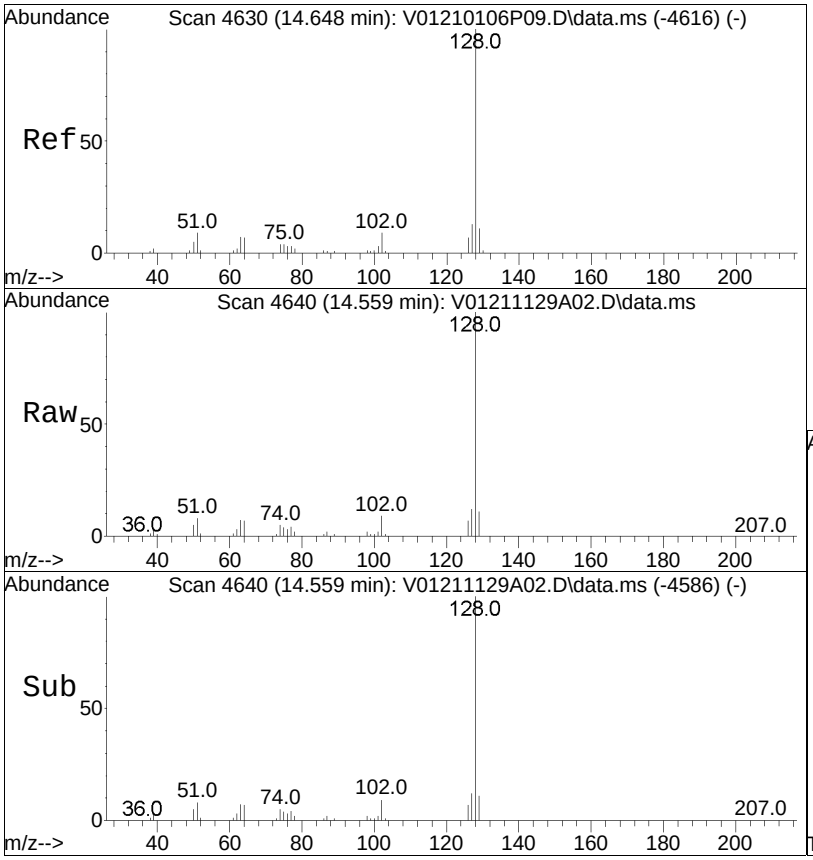


#109
1,2,4-Trichlorobenzene
Concen: 9.27 ug/L
RT: 14.267 min Scan# 4535
Delta R.T. -0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:180 Resp: 92382

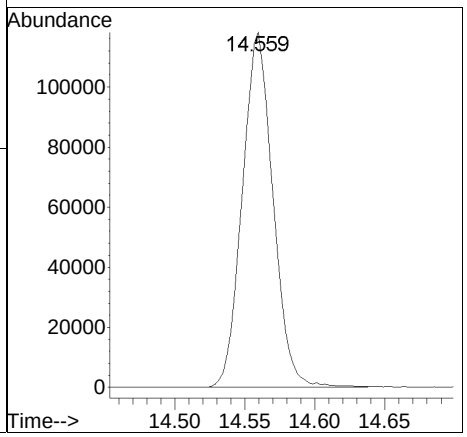
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
145	36.3	26.1	39.1

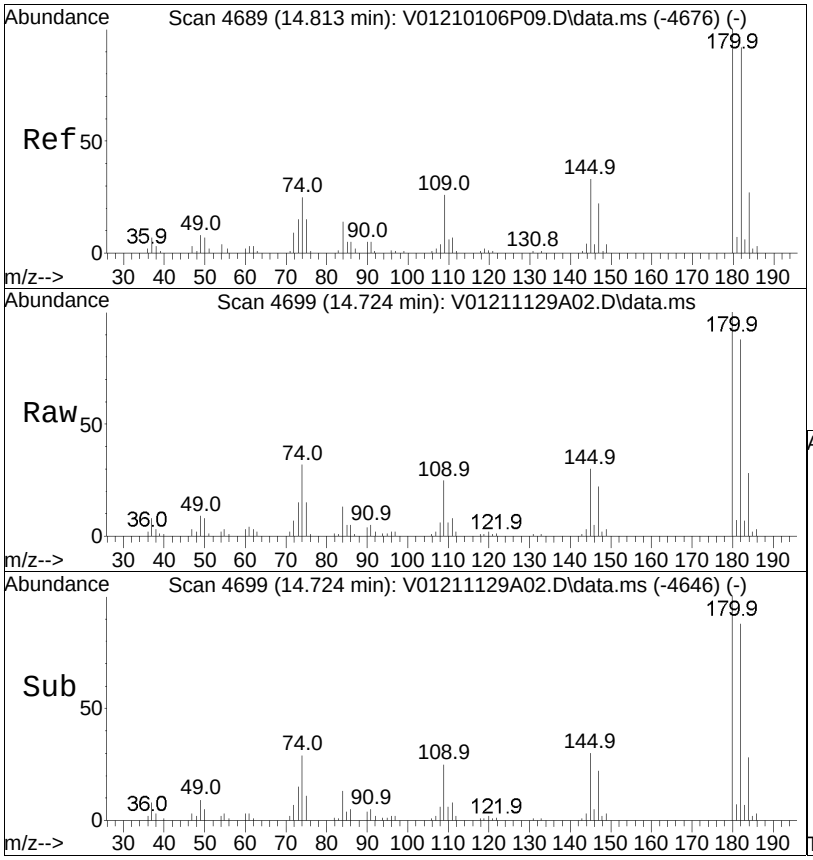




#110
Naphthalene
Concen: 8.63 ug/L
RT: 14.559 min Scan# 4640
Delta R.T. 0.000 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:128 Resp: 180483

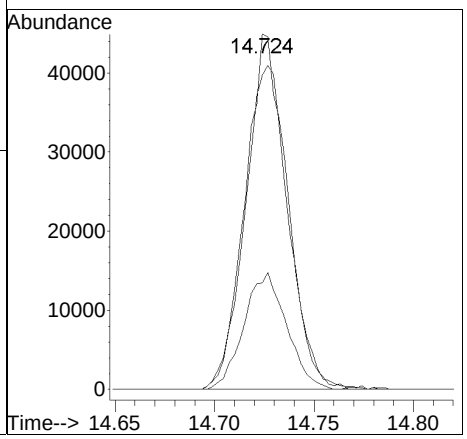




#111
1,2,3-Trichlorobenzene
Concen: 8.69 ug/L
RT: 14.724 min Scan# 4699
Delta R.T. -0.003 min
Lab File: V01211129A02.D
Acq: 29 Nov 2021 7:24 am

Tgt Ion:180 Resp: 66432

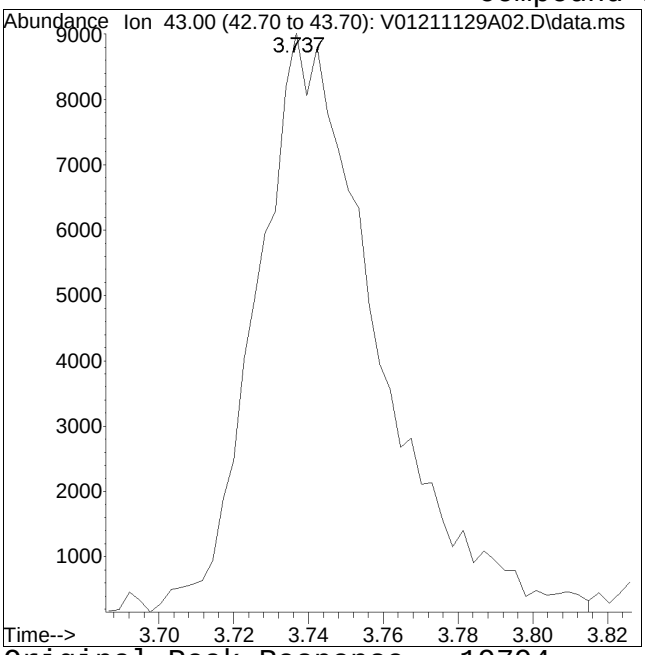
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.4	113.0
145	33.2	25.0	37.6



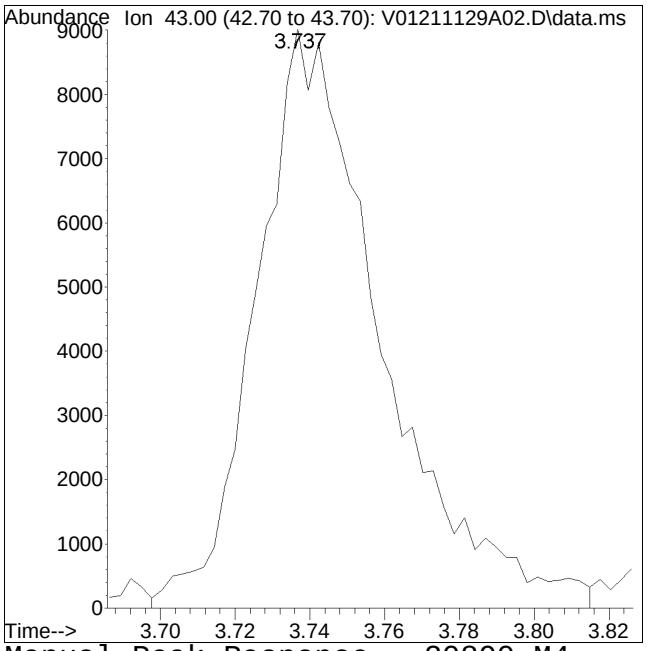
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #17: Acetone



Original Peak Response = 19794



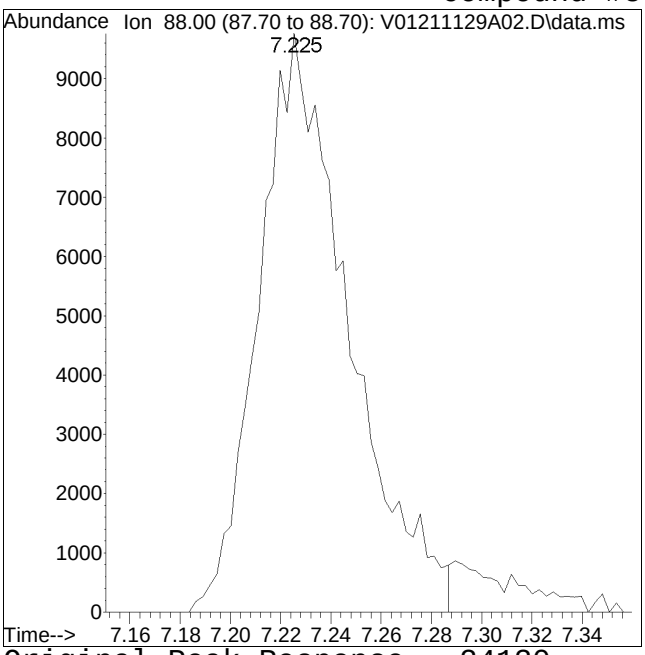
Manual Peak Response = 20890 M4

M4 = Poor automated baseline construction.

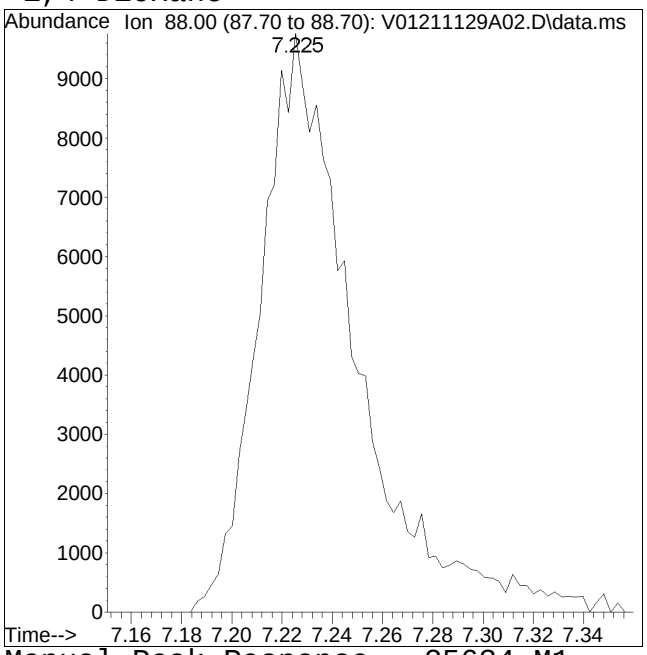
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #57: 1,4-Dioxane



Original Peak Response = 24130



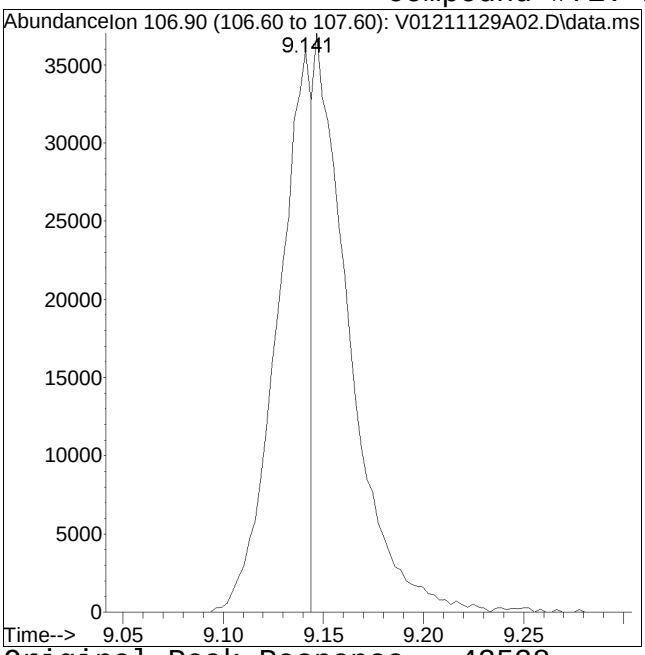
Manual Peak Response = 25634 M1

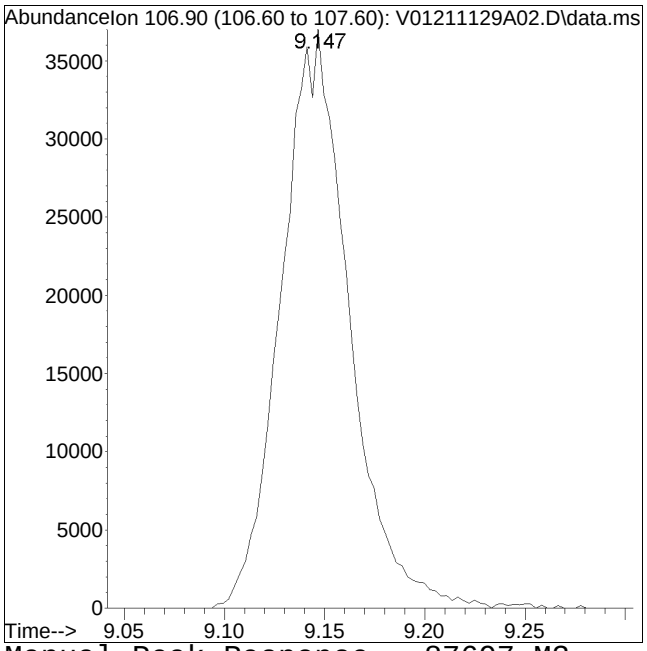
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #71: 1,2-Dibromoethane





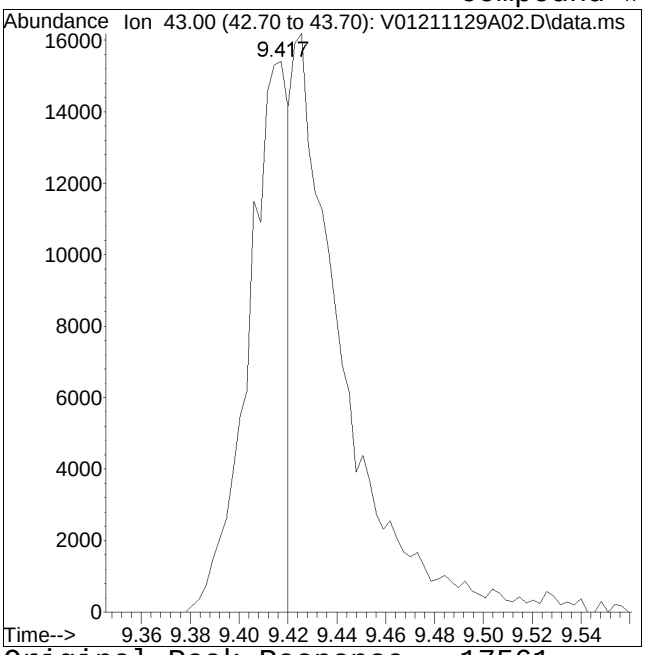
Original Peak Response = 42538 Manual Peak Response = 87697 M3

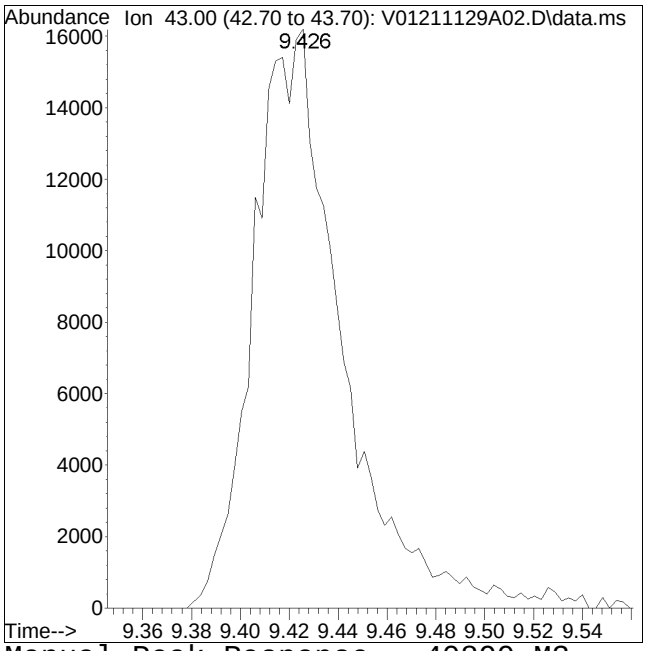
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #72: 2-Hexanone



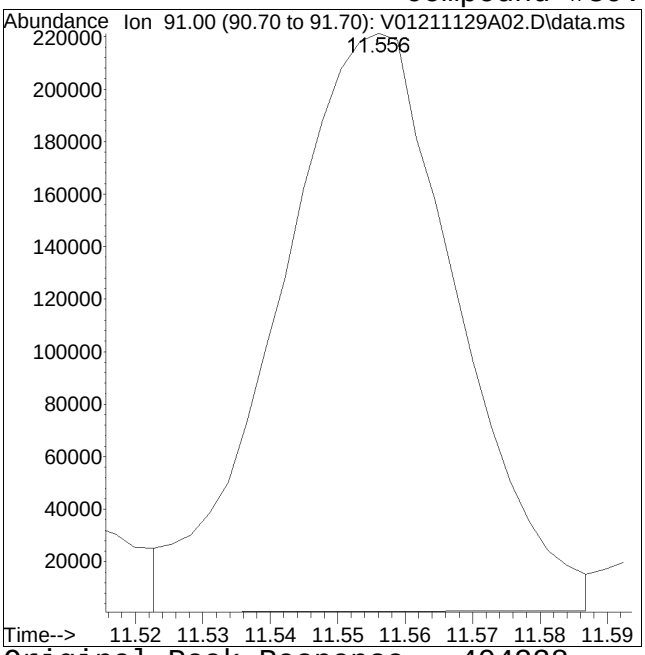


Original Peak Response = 17561 Manual Peak Response = 40890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

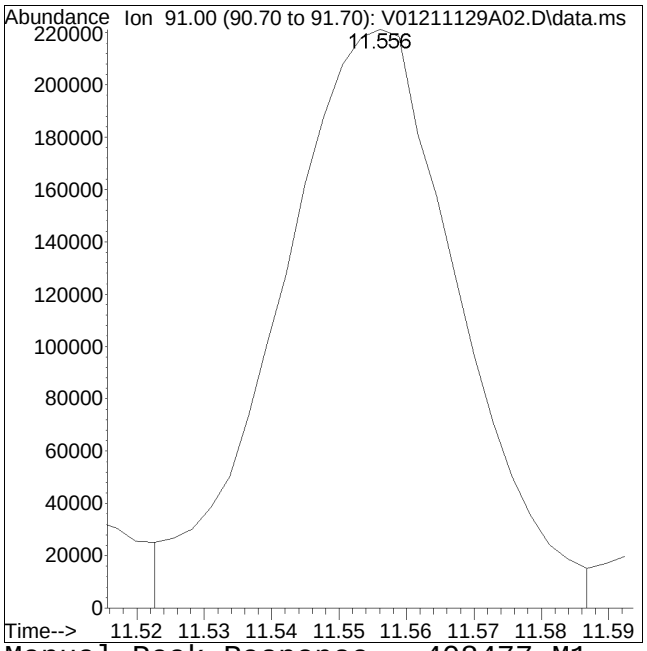
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 404338



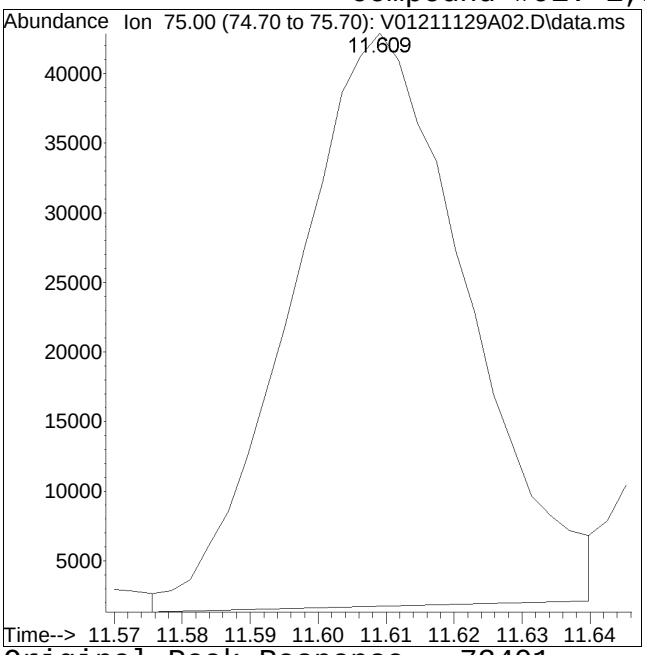
Manual Peak Response = 408477 M1

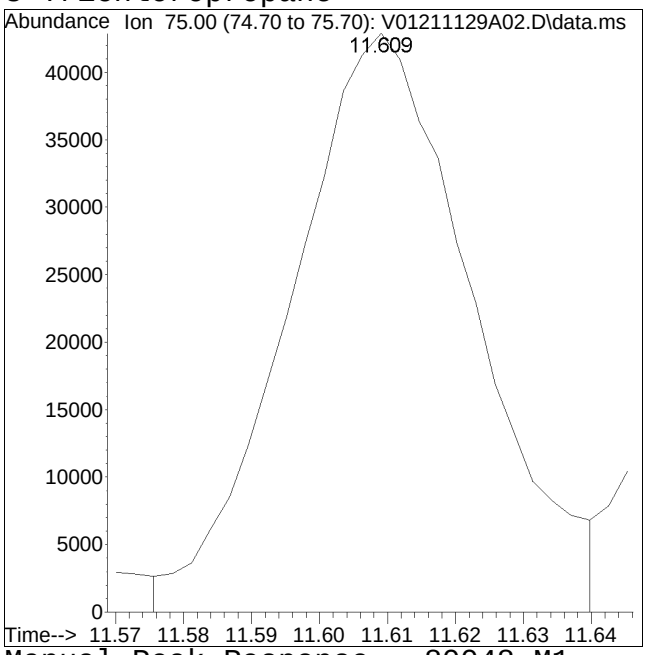
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A02.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:24 am Instrument : VOA 101
Sample : WG1577201-3,31,10,10 Quant Date : 11/29/2021 7:56 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 73401 Manual Peak Response = 80048 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A03.D
Acq On : 29 Nov 2021 7:47 am
Operator : VOA101:PD
Sample : WG1577201-4,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 29 08:26:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.227	96	595338	10.000	ug/L	0.00
Standard Area 1 = 521137			Recovery = 114.24%			
59) Chlorobenzene-d5	9.774	117	377157	10.000	ug/L	0.00
Standard Area 1 = 373965			Recovery = 100.85%			
79) 1,4-Dichlorobenzene-d4	12.426	152	200443	10.000	ug/L	0.00
Standard Area 1 = 199324			Recovery = 100.56%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.407	113	152996	10.034	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.34%			
43) 1,2-Dichloroethane-d4	5.943	65	165981	9.766	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.66%			
60) Toluene-d8	7.920	98	584805	12.546	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 125.46%			
83) 4-Bromofluorobenzene	11.241	95	186607	10.215	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.760	85	141318	8.909	ug/L	100
3) Chloromethane	1.960	50	125881	7.334	ug/L	100
4) Vinyl chloride	2.044	62	144005	8.824	ug/L	98
5) Bromomethane	2.370	94	68998	5.722	ug/L	100
6) Chloroethane	2.496	64	99872	9.230	ug/L	96
7) Trichlorofluoromethane	2.644	101	213681	8.919	ug/L	99
8) Ethyl ether	2.942	74	54479	8.479	ug/L	94
10) 1,1-Dichloroethene	3.146	96	115368	8.631	ug/L	97
11) Carbon disulfide	3.176	76	303794	8.045	ug/L	100
15) Methylene chloride	3.703	84	136440	9.165	ug/L	98
17) Acetone	3.742	43	23555	7.441	ug/L	89
18) trans-1,2-Dichloroethene	3.862	96	135050	9.157	ug/L	100
20) Methyl tert-butyl ether	3.949	73	283499	8.974	ug/L	97
23) 1,1-Dichloroethane	4.448	63	253126	9.025	ug/L	99
25) Acrylonitrile	4.490	53	24944	8.913	ug/L	97
27) Vinyl acetate	4.677	43	244581	9.882	ug/L	99
28) cis-1,2-Dichloroethene	4.969	96	163411	10.059	ug/L	99
29) 2,2-Dichloropropane	5.070	77	234604	10.311	ug/L	99
30) Bromochloromethane	5.162	128	70995	10.166	ug/L	98
32) Chloroform	5.232	83	268026	9.905	ug/L	99

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A03.D
Acq On : 29 Nov 2021 7:47 am
Operator : VOA101:PD
Sample : WG1577201-4,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 29 08:26:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	5.371	117	220637	9.900	ug/L		98
37) 1,1,1-Trichloroethane	5.438	97	247626	10.011	ug/L		100
39) 2-Butanone	5.522	43	30877	8.436	ug/L	#	35
40) 1,1-Dichloropropene	5.561	75	213005	10.430	ug/L		99
41) Benzene	5.806	78	588763	10.129	ug/L		98
44) 1,2-Dichloroethane	6.007	62	179288	9.581	ug/L		99
48) Trichloroethene	6.406	95	158975	9.752	ug/L		99
50) Dibromomethane	6.849	93	72896	9.334	ug/L		100
51) 1,2-Dichloropropane	6.955	63	150782	10.058	ug/L		100
54) Bromodichloromethane	7.022	83	193904	9.373	ug/L		99
57) 1,4-Dioxane	7.225	88	27482M1	627.479	ug/L		
58) cis-1,3-Dichloropropene	7.713	75	219018	9.599	ug/L		98
61) Toluene	7.981	92	373494	12.347	ug/L		100
62) 4-Methyl-2-pentanone	8.402	58	26057	10.513	ug/L		99
63) Tetrachloroethene	8.430	166	164805	12.415	ug/L		98
65) trans-1,3-Dichloropropene	8.461	75	179575	11.558	ug/L		98
68) 1,1,2-Trichloroethane	8.648	83	87086	11.869	ug/L		99
69) Chlorodibromomethane	8.865	129	123509	11.220	ug/L		99
70) 1,3-Dichloropropane	8.974	76	177600	11.921	ug/L		100
71) 1,2-Dibromoethane	9.144	107	100551	11.802	ug/L		99
72) 2-Hexanone	9.423	43	41368	9.078	ug/L	#	92
73) Chlorobenzene	9.794	112	346399	10.256	ug/L		99
74) Ethylbenzene	9.827	91	619218	10.383	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.877	131	126036	10.177	ug/L		98
76) p/m Xylene	10.014	106	480254	20.438	ug/L		98
77) o Xylene	10.547	106	448275	20.027	ug/L		100
78) Styrene	10.611	104	723698	20.148	ug/L		100
80) Bromoform	10.633	173	57365	9.166	ug/L		98
82) Isopropylbenzene	10.918	105	604931	10.555	ug/L		100
84) Bromobenzene	11.350	156	135721	10.106	ug/L		100
85) n-Propylbenzene	11.386	91	702234	10.617	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.470	83	92947	10.324	ug/L		98
88) 4-Ethyltoluene	11.509	105	568292	10.347	ug/L		100
89) 2-Chlorotoluene	11.553	91	410661M4	10.601	ug/L		
90) 1,3,5-Trimethylbenzene	11.604	105	468294	10.298	ug/L		100
91) 1,2,3-Trichloropropane	11.609	75	75758M1	9.758	ug/L		
92) trans-1,4-Dichloro-2-b...	11.659	53	27148	9.790	ug/L	#	74
93) 4-Chlorotoluene	11.735	91	412715	10.332	ug/L		99
94) tert-Butylbenzene	11.941	119	403336	10.580	ug/L		99

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A03.D
Acq On : 29 Nov 2021 7:47 am
Operator : VOA101:PD
Sample : WG1577201-4,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 29 08:26:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\VOLATILES\VOA101\2021\211129A\V01211129A02.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	12.019	105	454542	10.373	ug/L	100
98) sec-Butylbenzene	12.131	105	559126	10.681	ug/L	99
99) p-Isopropyltoluene	12.281	119	479549	10.591	ug/L	99
100) 1,3-Dichlorobenzene	12.354	146	248508	10.177	ug/L	100
101) 1,4-Dichlorobenzene	12.443	146	252005	10.172	ug/L	99
102) p-Diethylbenzene	12.649	119	262821	10.312	ug/L	98
103) n-Butylbenzene	12.708	91	383124	10.734	ug/L	99
104) 1,2-Dichlorobenzene	12.864	146	219453	10.130	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.439	119	334942	9.453	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.642	155	10074	8.757	ug/L	97
108) Hexachlorobutadiene	14.242	225	39902	9.751	ug/L	99
109) 1,2,4-Trichlorobenzene	14.264	180	87308	8.712	ug/L	97
110) Naphthalene	14.557	128	165110	7.851	ug/L	100
111) 1,2,3-Trichlorobenzene	14.730	180	60742	7.904	ug/L	99

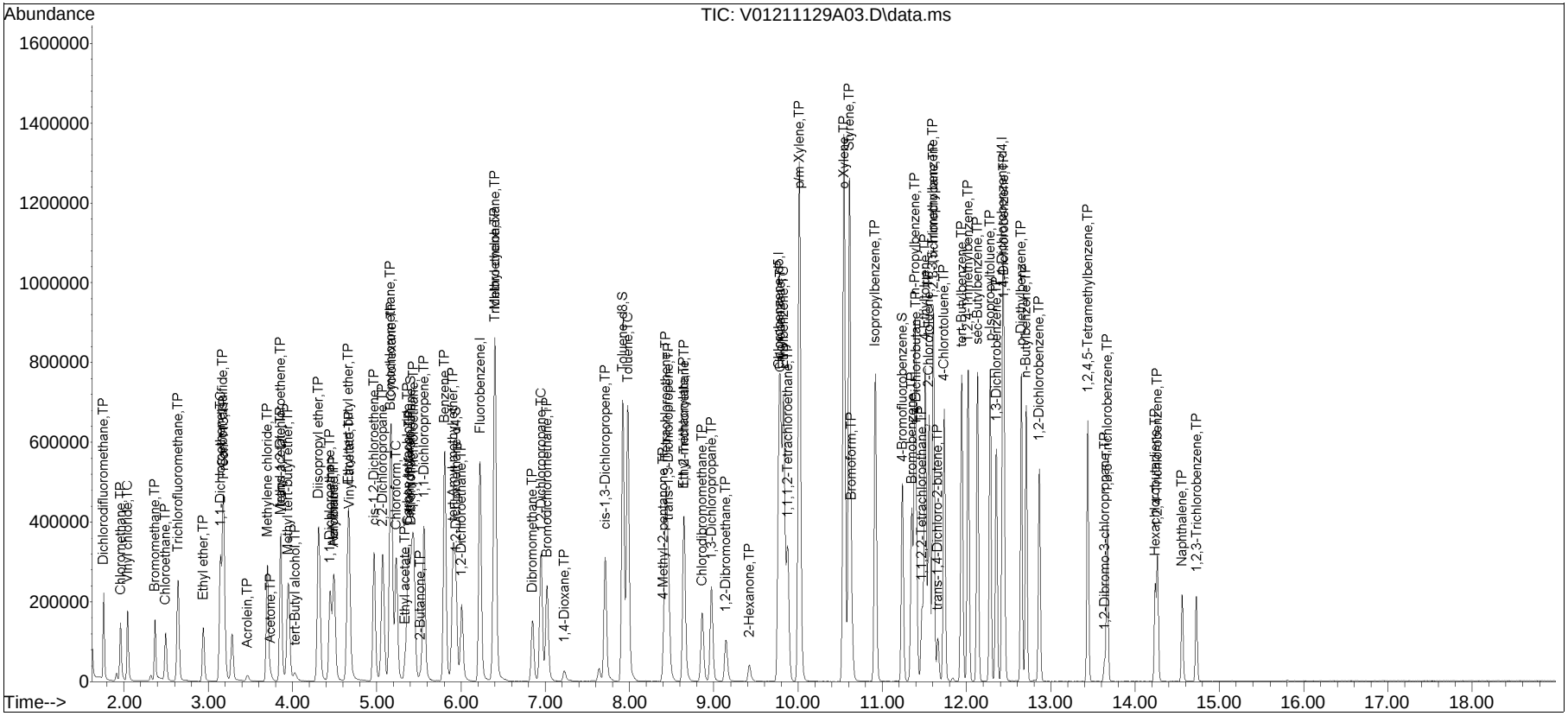
(#) = qualifier out of range (m) = manual integration (+) = signals summed

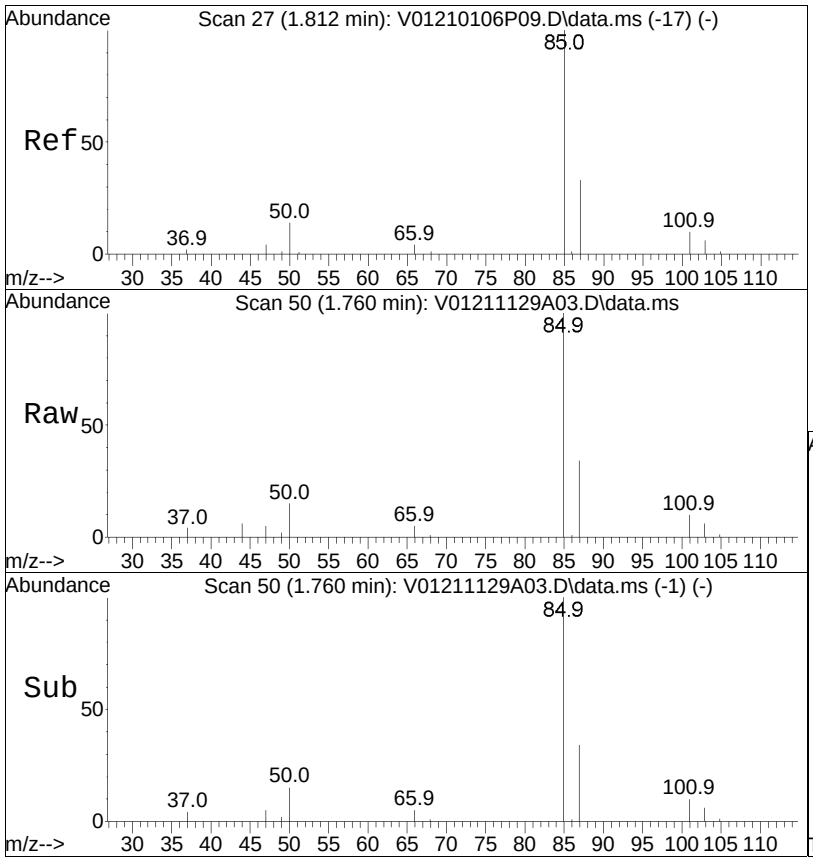
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA101\2021\211129A\
Data File : V01211129A03.D
Acq On : 29 Nov 2021 7:47 am
Operator : VOA101:PD
Sample : WG1577201-4,31,10,10
Misc : WG1577201,ICAL18440
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 29 08:26:54 2021
Quant Method : I:\VOLATILES\VOA101\2021\211129A\V101_211104A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Nov 04 14:42:31 2021
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane•

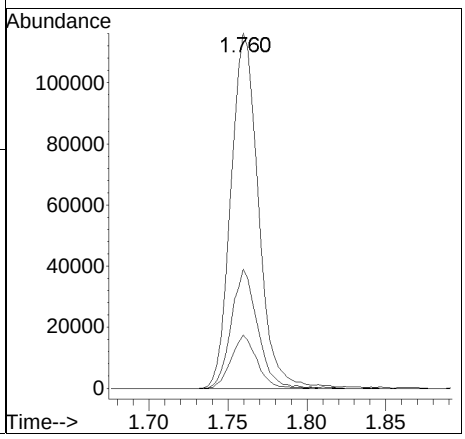


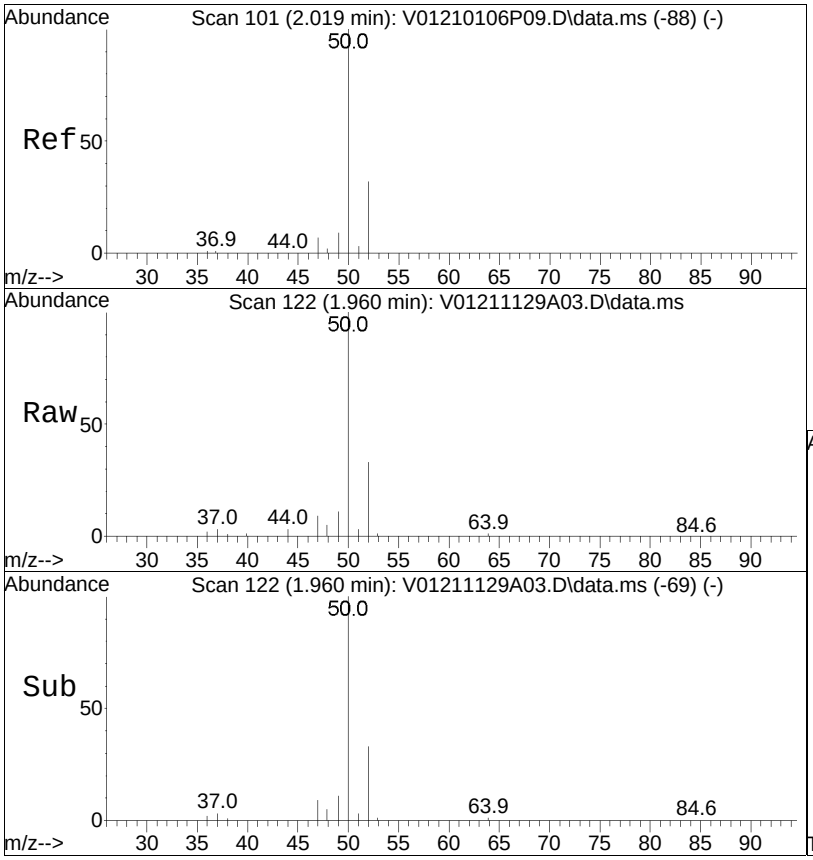


#2
Dichlorodifluoromethane
Concen: 8.91 ug/L
RT: 1.760 min Scan# 50
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 85 Resp: 141318

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.9	43.5
50	14.0	9.1	18.9

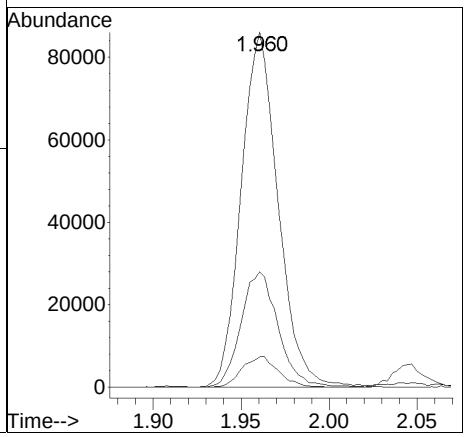


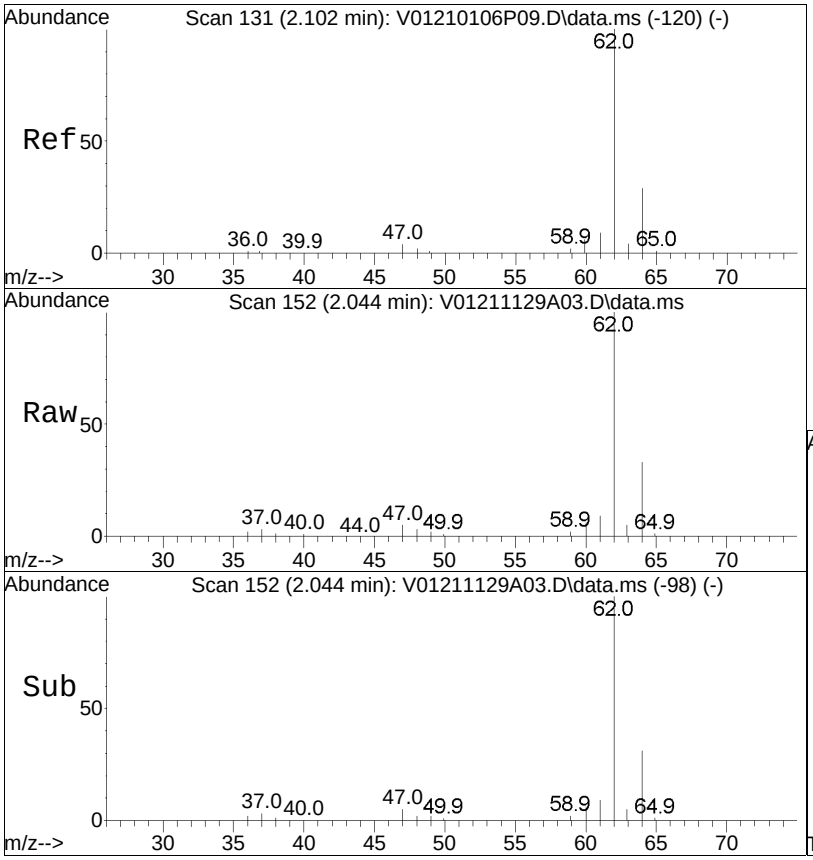


#3
Chloromethane
Concen: 7.33 ug/L
RT: 1.960 min Scan# 122
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 50 Resp: 125881

Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.8	52.8
47	8.6	0.0	28.3

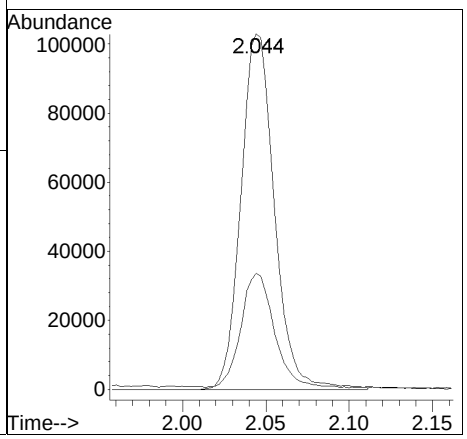


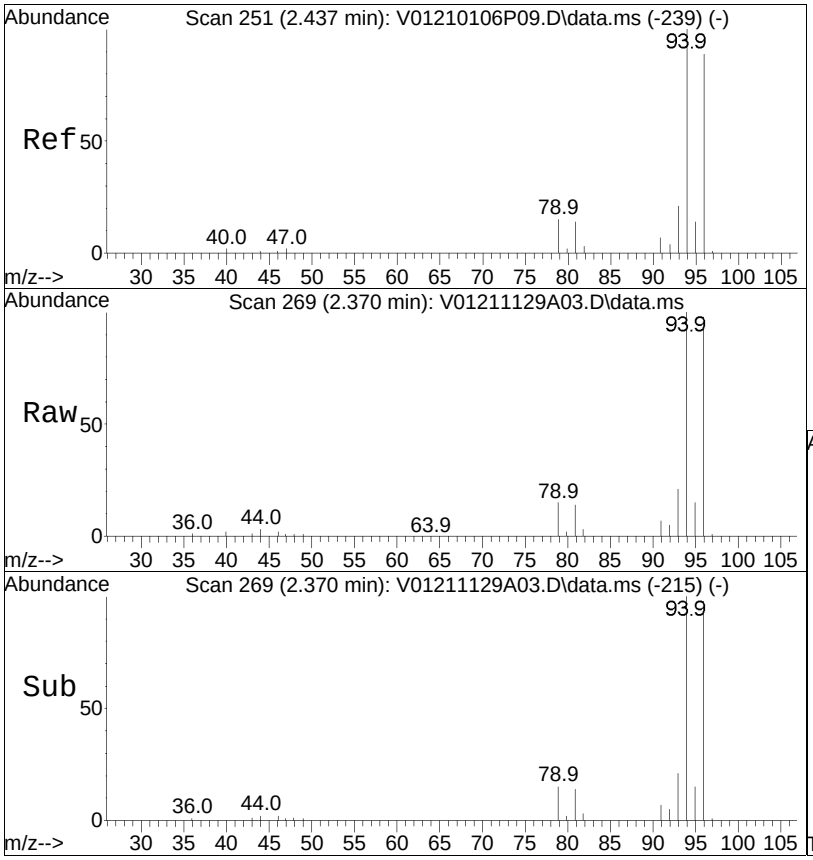


#4
Vinyl chloride
Concen: 8.82 ug/L
RT: 2.044 min Scan# 152
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 62 Resp: 144005

Ion	Ratio	Lower	Upper
62	100		
64	32.0	10.8	50.8

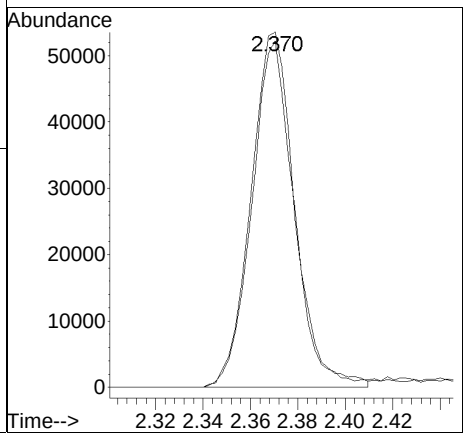


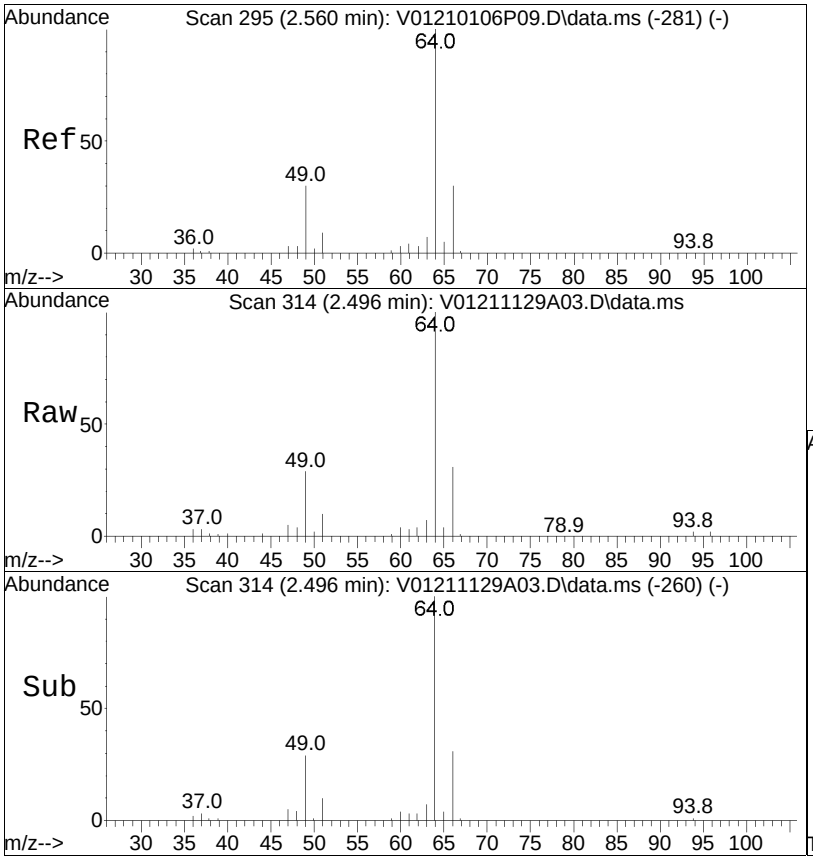


#5
Bromomethane
Concen: 5.72 ug/L
RT: 2.370 min Scan# 269
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 94 Resp: 68998

Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.6	113.6

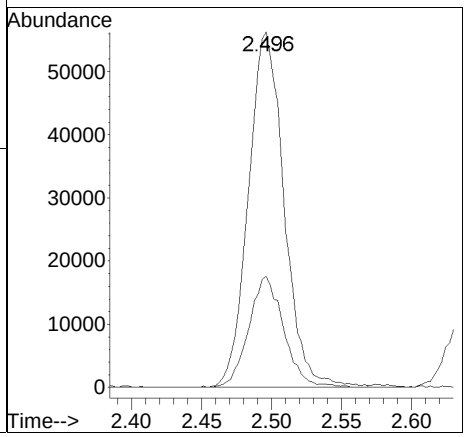


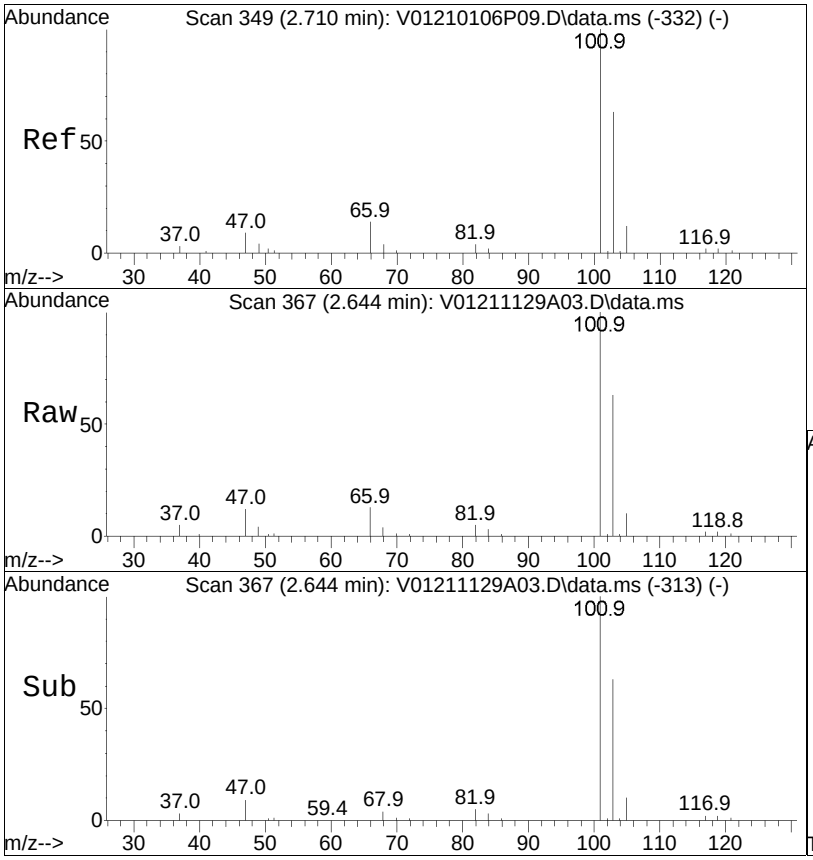


#6
Chloroethane
Concen: 9.23 ug/L
RT: 2.496 min Scan# 314
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 64 Resp: 99872

Ion	Ratio	Lower	Upper
64	100		
66	30.6	12.7	52.7

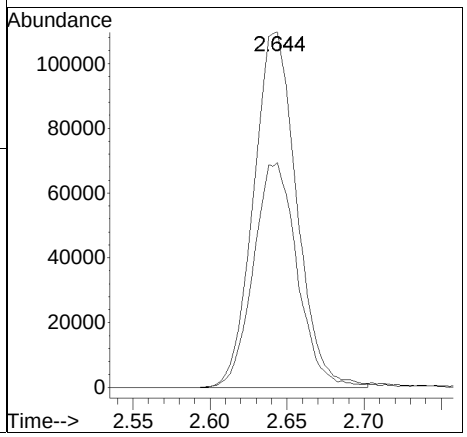


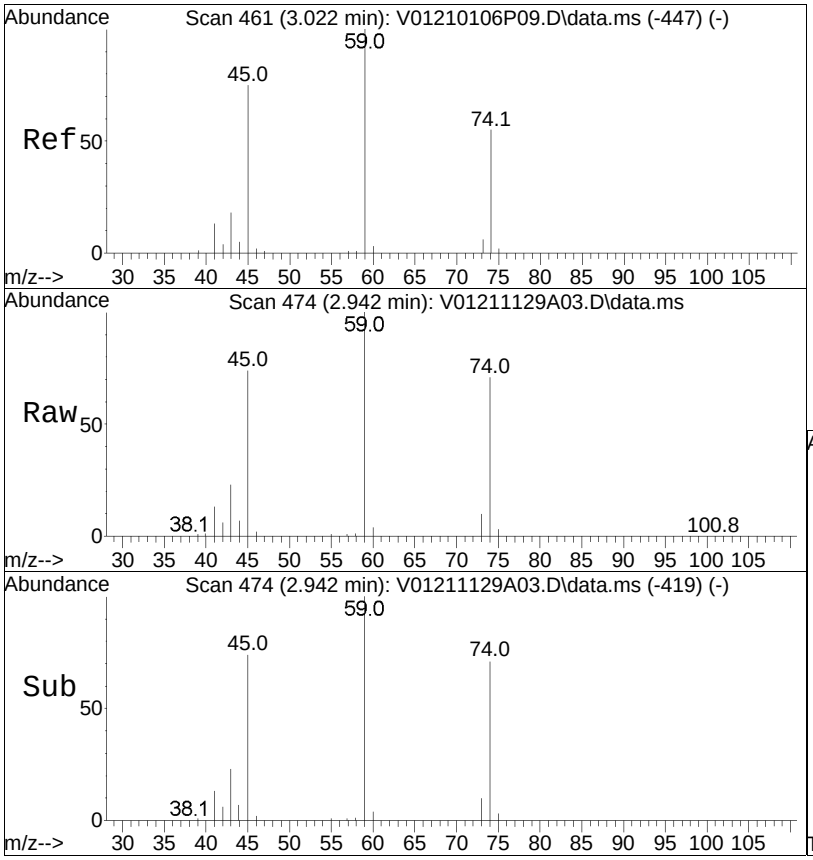


#7
Trichlorofluoromethane
Concen: 8.92 ug/L
RT: 2.644 min Scan# 367
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:101 Resp: 213681

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

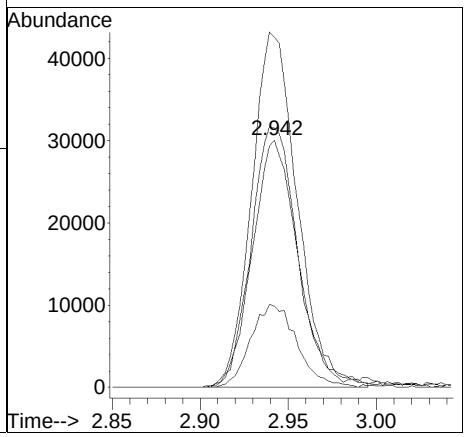


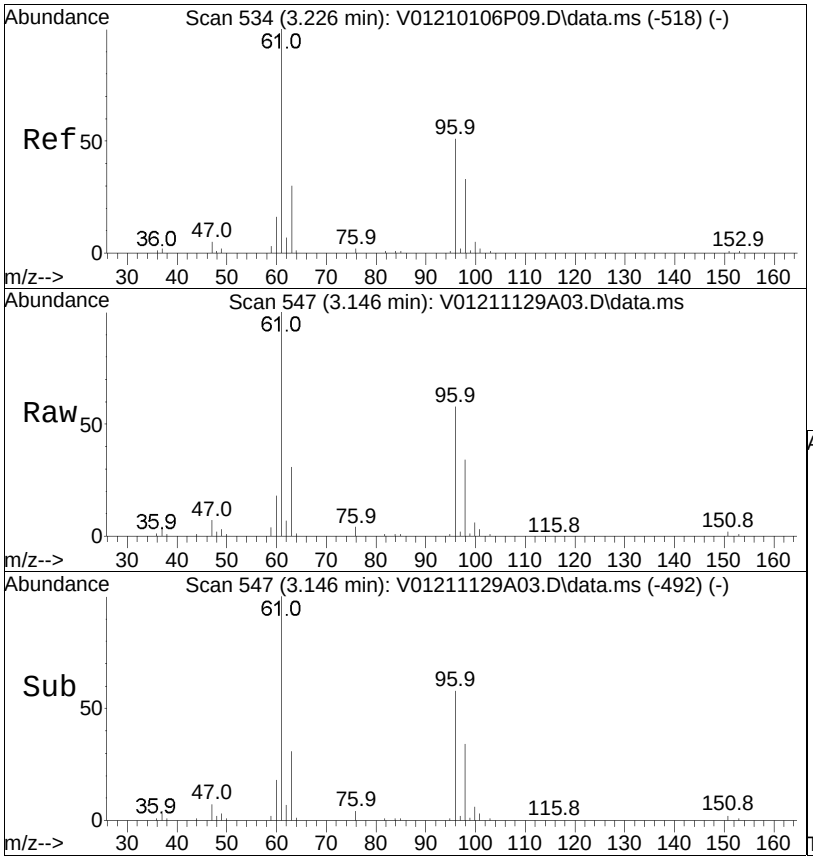


#8
Ethyl ether
Concen: 8.48 ug/L
RT: 2.942 min Scan# 474
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 74 Resp: 54479

Ion	Ratio	Lower	Upper
74	100		
59	143.0	88.1	182.9
45	106.2	66.1	137.3
43	33.9	19.7	40.9

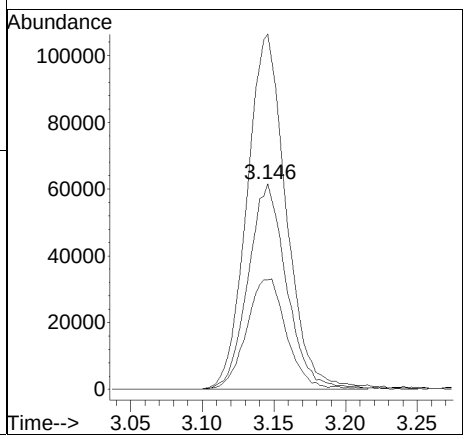


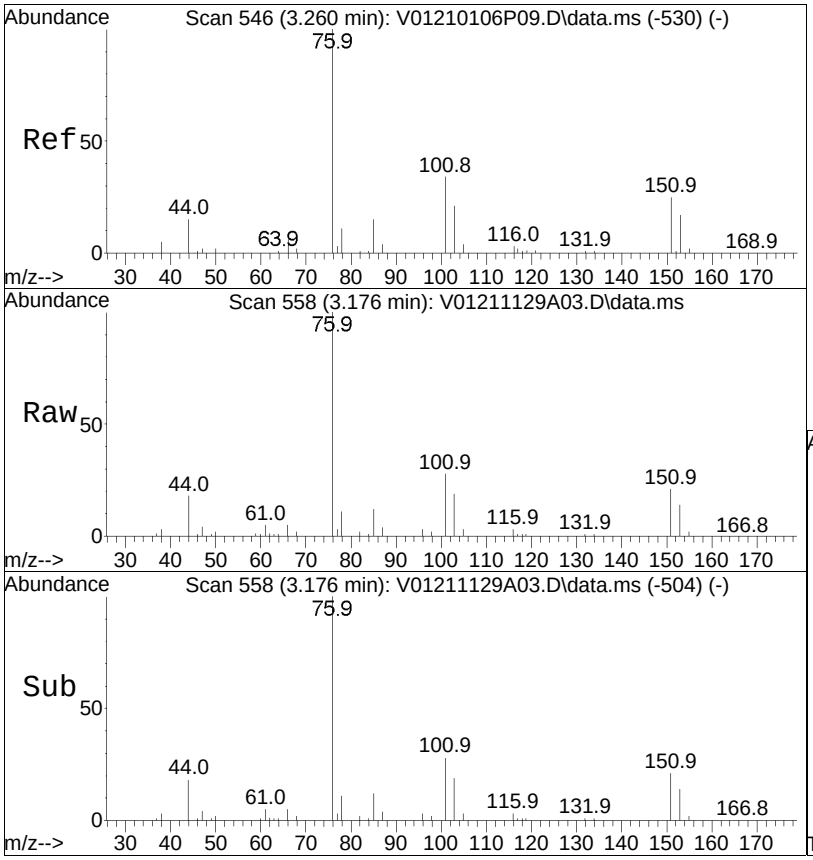


#10
1,1-Dichloroethene
Concen: 8.63 ug/L
RT: 3.146 min Scan# 547
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 96 Resp: 115368

Ion	Ratio	Lower	Upper
96	100		
61	176.2	136.8	205.2
63	55.4	43.6	65.4

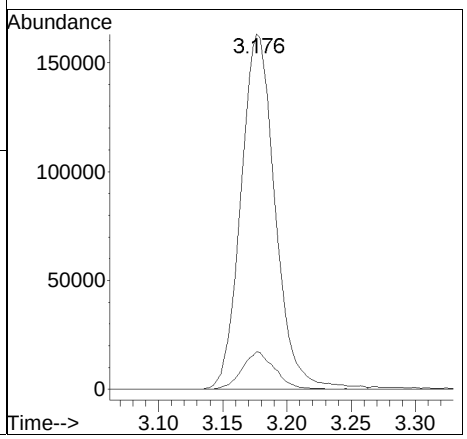


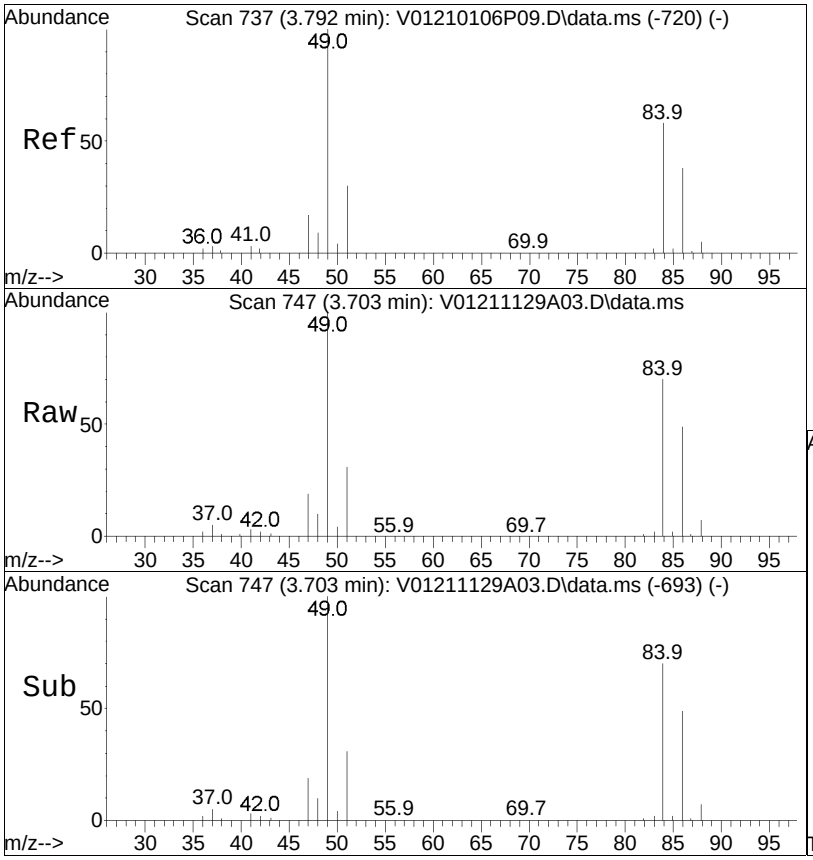


#11
Carbon disulfide
Concen: 8.05 ug/L
RT: 3.176 min Scan# 558
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 76 Resp: 303794

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.6	13.8

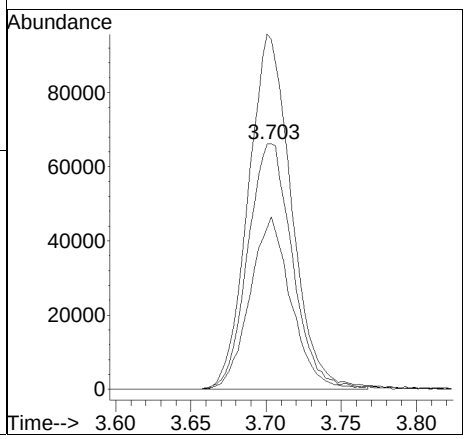


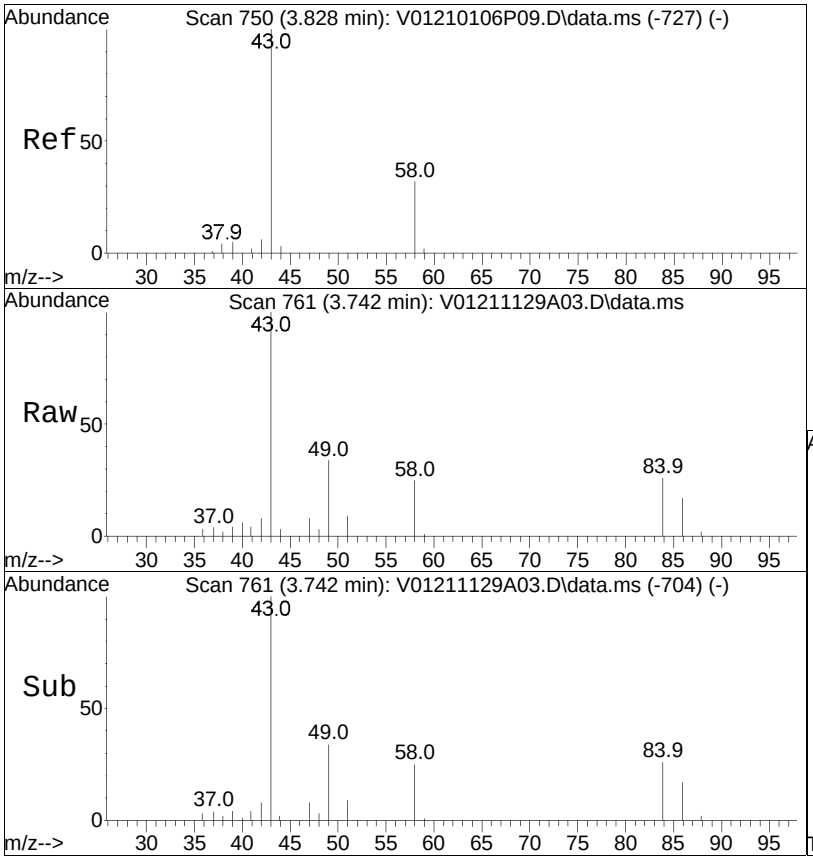


#15
Methylene chloride
Concen: 9.16 ug/L
RT: 3.703 min Scan# 747
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 84 Resp: 136440

Ion	Ratio	Lower	Upper
84	100		
86	65.1	41.7	86.7
49	140.7	89.1	185.1

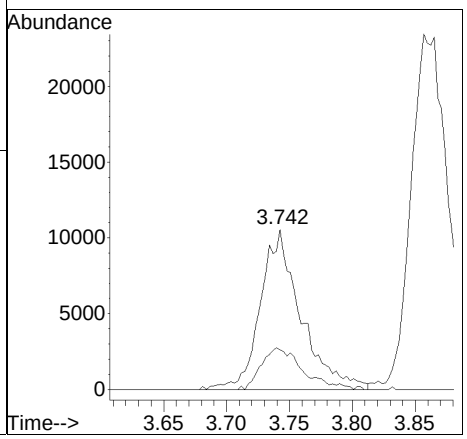


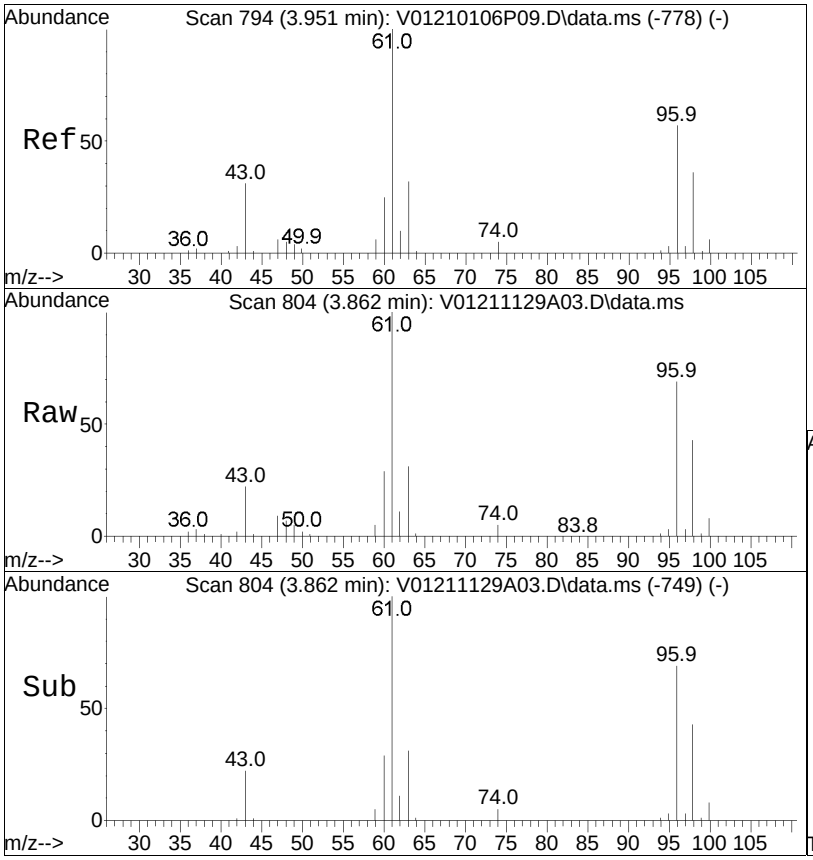


#17
Acetone
Concen: 7.44 ug/L
RT: 3.742 min Scan# 761
Delta R.T. 0.008 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 43 Resp: 23555

Ion	Ratio	Lower	Upper
43	100		
58	26.4	25.9	38.9

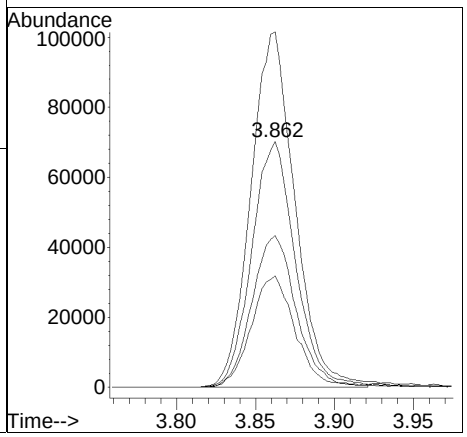


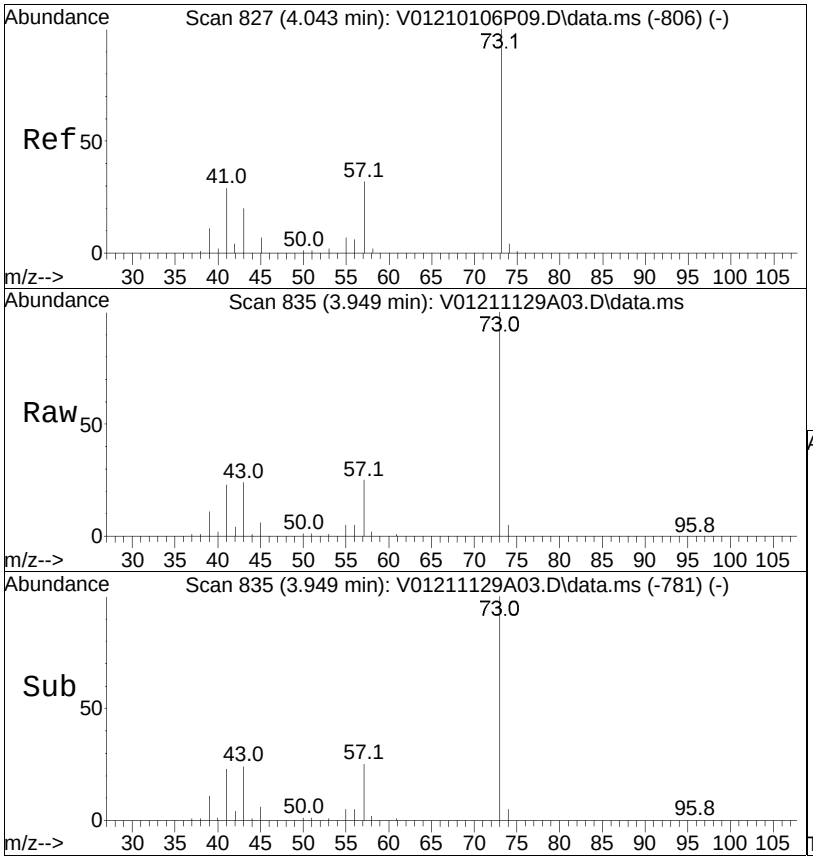


#18
trans-1,2-Dichloroethene
Concen: 9.16 ug/L
RT: 3.862 min Scan# 804
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 96 Resp: 135050

Ion	Ratio	Lower	Upper
96	100		
61	147.1	95.3	197.9
98	62.7	41.0	85.2
63	46.1	30.2	62.6

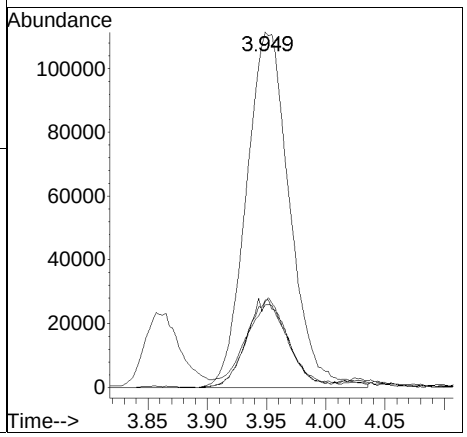


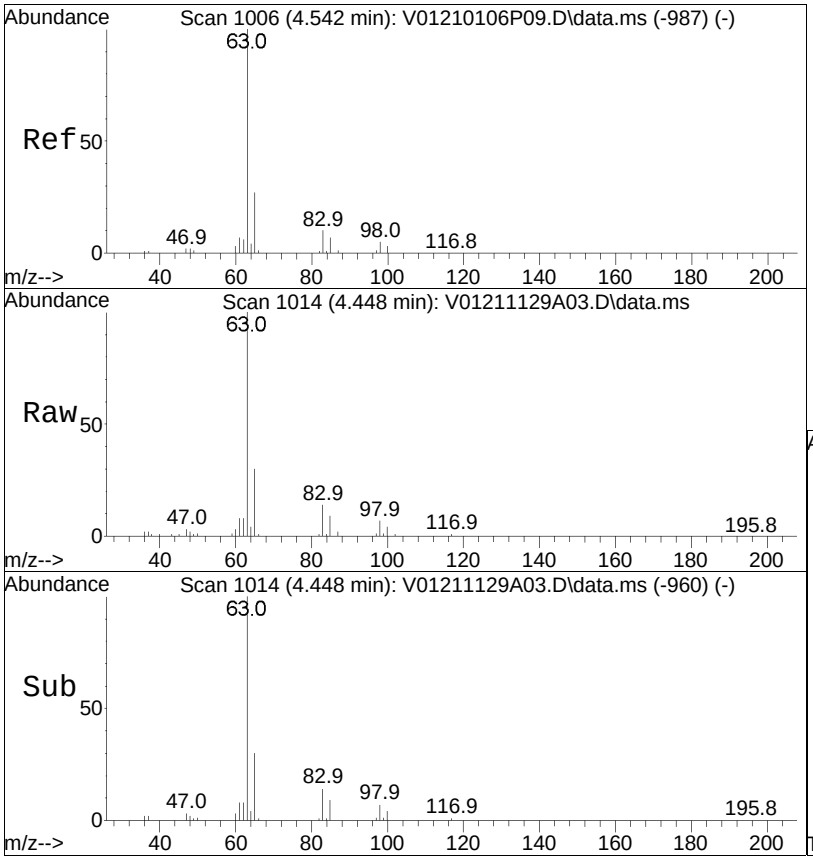


#20
Methyl tert-butyl ether
Concen: 8.97 ug/L
RT: 3.949 min Scan# 835
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 73 Resp: 283499

Ion	Ratio	Lower	Upper
73	100		
57	23.8	14.8	30.6
43	22.3	15.5	32.3
41	23.1	14.1	29.3

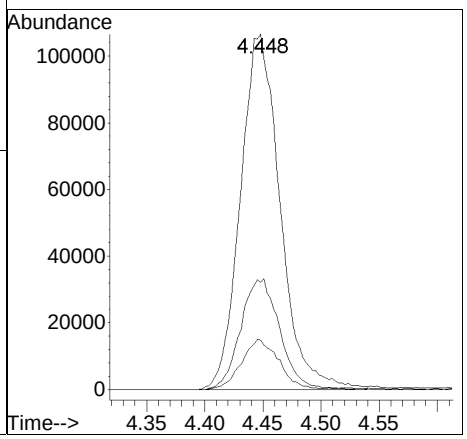


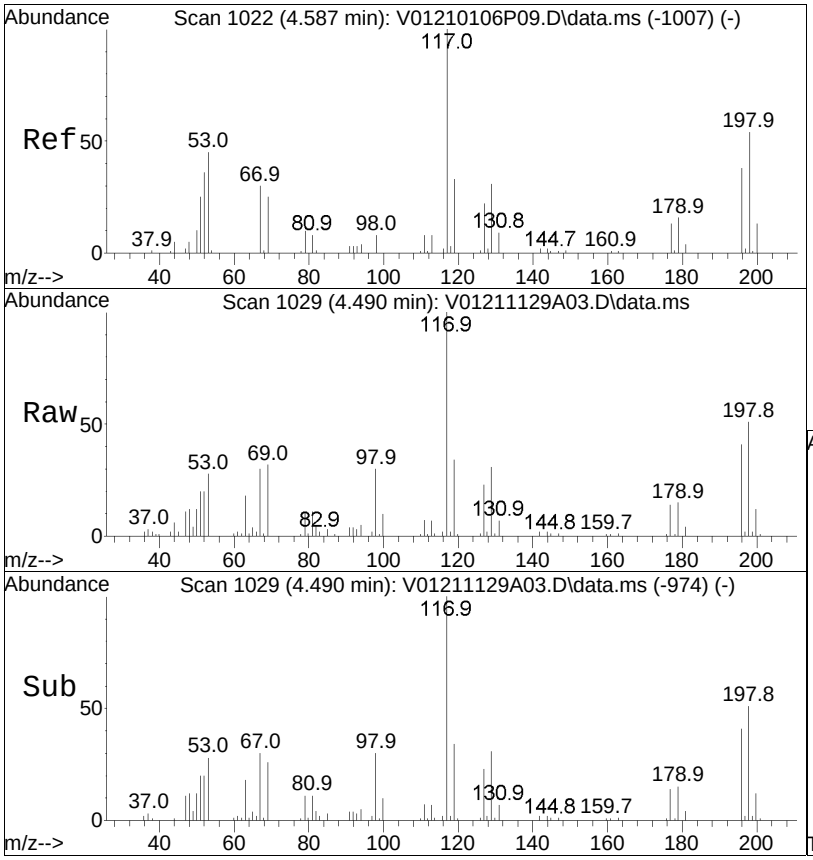


#23
1,1-Dichloroethane
Concen: 9.03 ug/L
RT: 4.448 min Scan# 1014
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 63 Resp: 253126

Ion	Ratio	Lower	Upper
63	100		
65	30.5	10.9	50.9
83	13.2	0.0	33.0

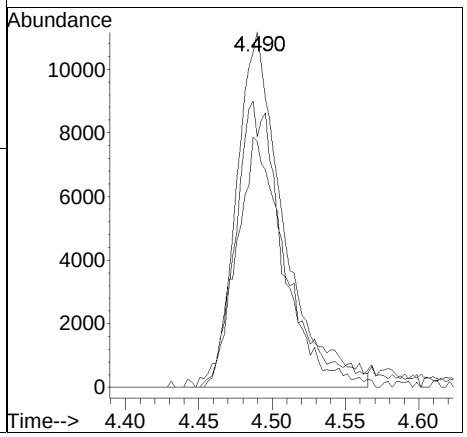


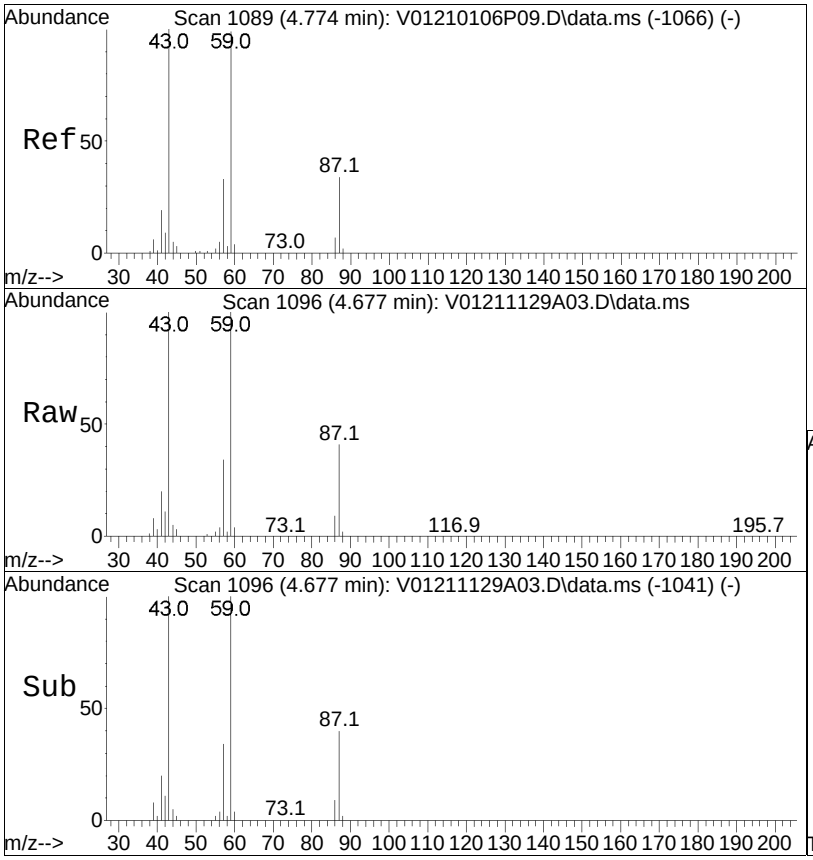


#25
Acrylonitrile
Concen: 8.91 ug/L
RT: 4.490 min Scan# 1029
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 53 Resp: 24944

Ion	Ratio	Lower	Upper
53	100		
52	80.9	69.1	103.7
51	73.3	58.3	87.5

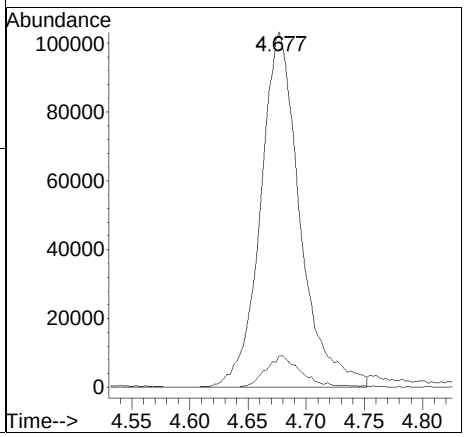


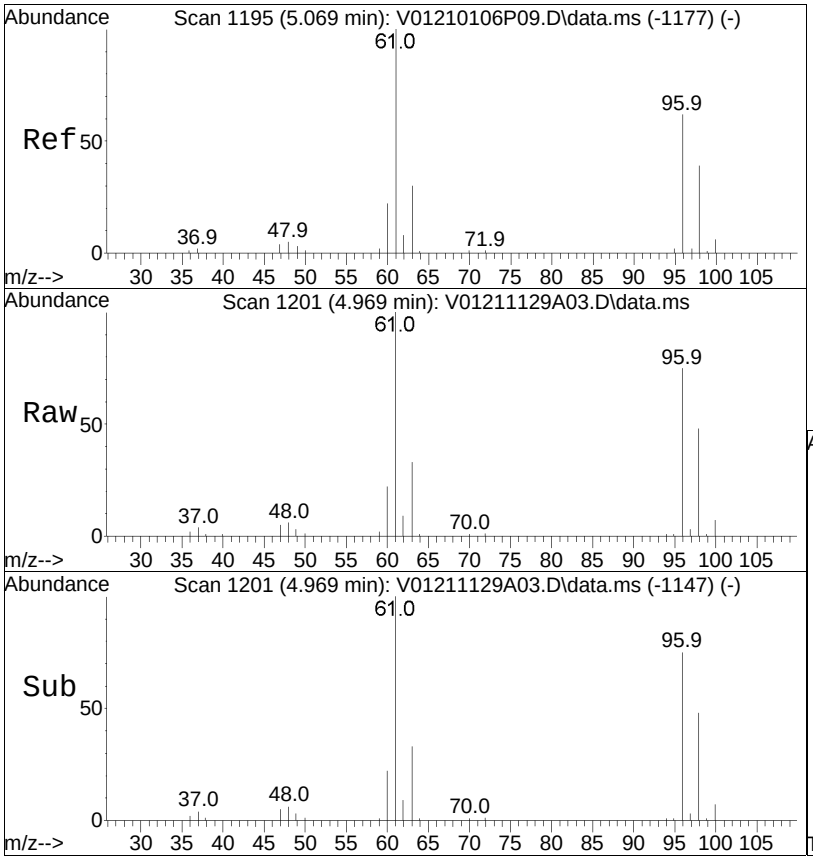


#27
Vinyl acetate
Concen: 9.88 ug/L
RT: 4.677 min Scan# 1096
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 43 Resp: 244581

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8

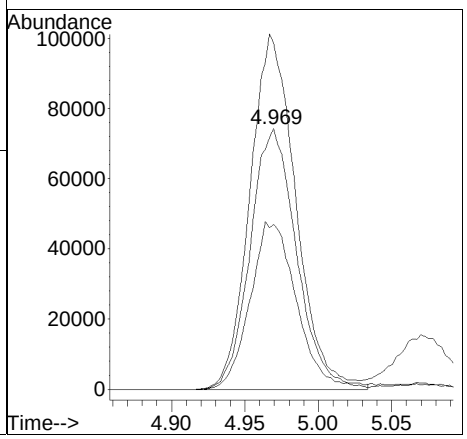


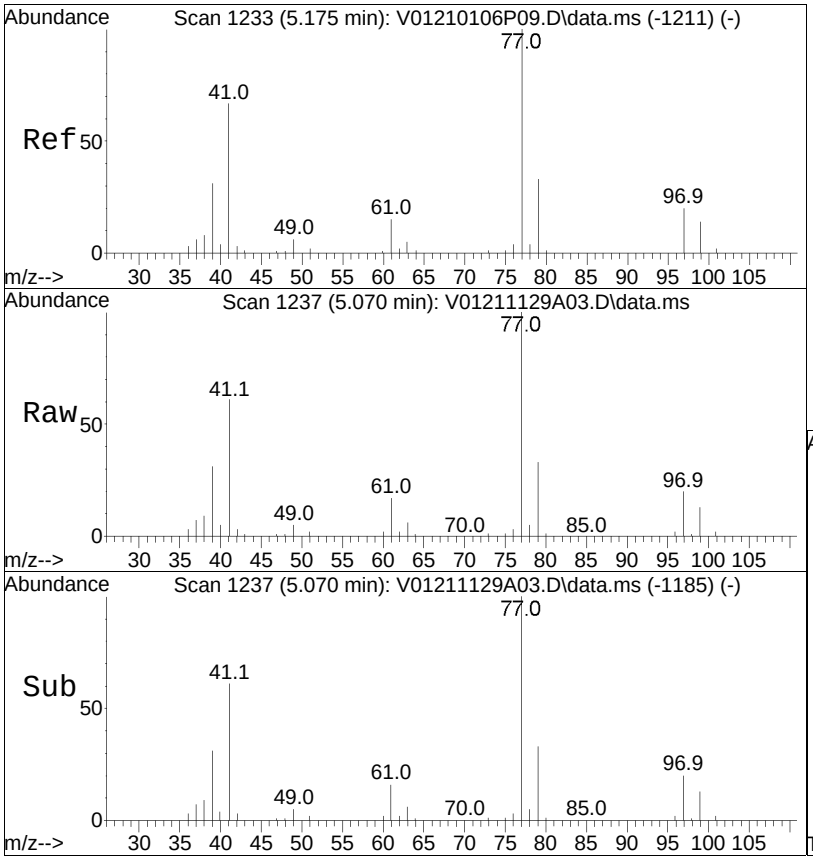


#28
cis-1,2-Dichloroethene
Concen: 10.06 ug/L
RT: 4.969 min Scan# 1201
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 96 Resp: 163411

Ion	Ratio	Lower	Upper
96	100		
61	134.2	105.8	158.6
98	64.1	51.1	76.7

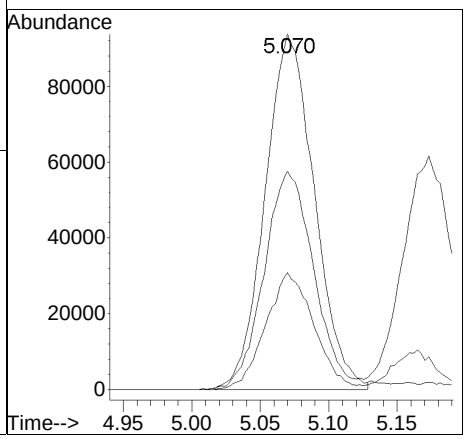


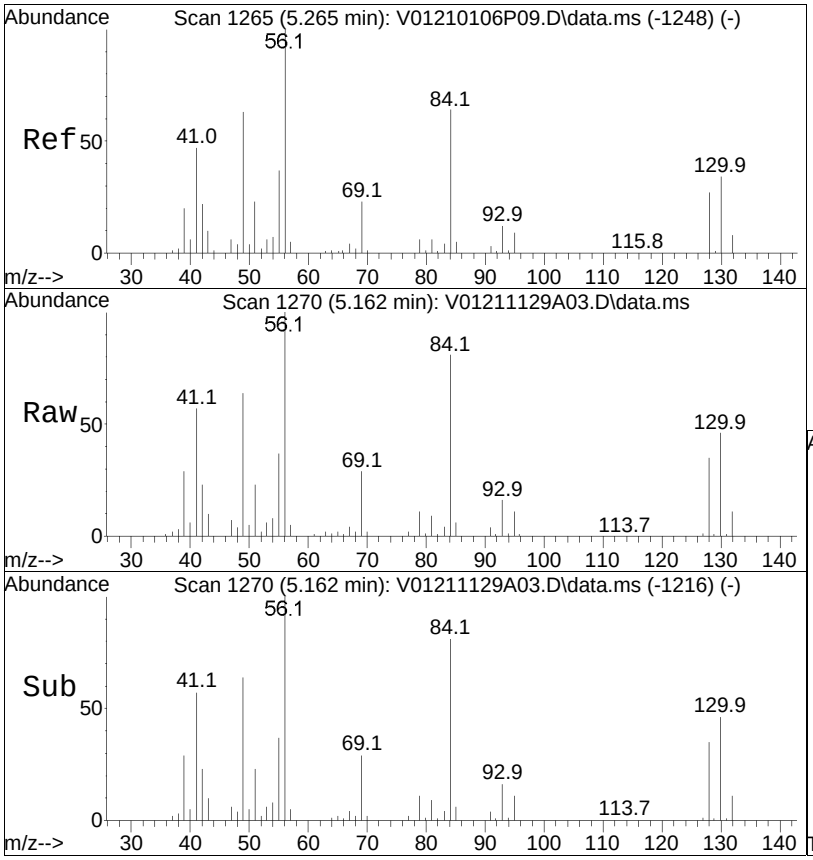


#29
2,2-Dichloropropane
Concen: 10.31 ug/L
RT: 5.070 min Scan# 1237
Delta R.T. -0.005 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 77 Resp: 234604

Ion	Ratio	Lower	Upper
77	100		
41	61.8	39.6	82.3
79	32.2	20.9	43.3

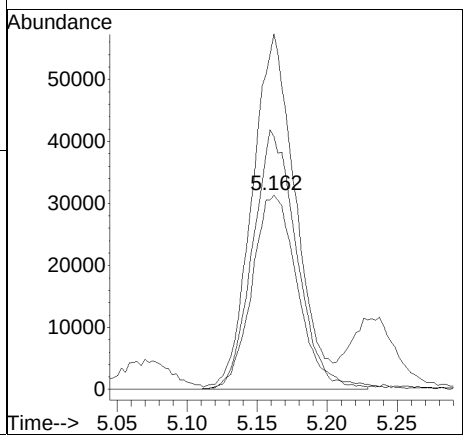


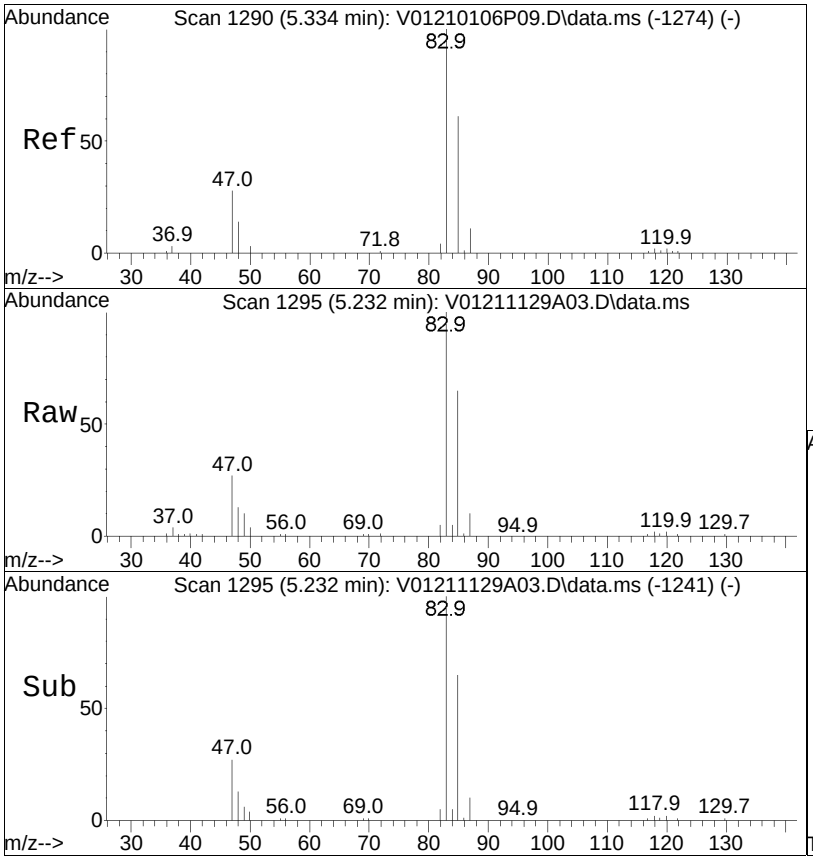


#30
Bromochloromethane
Concen: 10.17 ug/L
RT: 5.162 min Scan# 1270
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:128 Resp: 70995

Ion	Ratio	Lower	Upper
128	100		
49	171.0	140.4	210.6
130	129.4	103.1	154.7

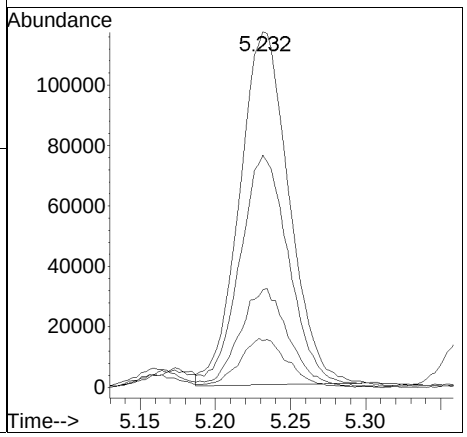


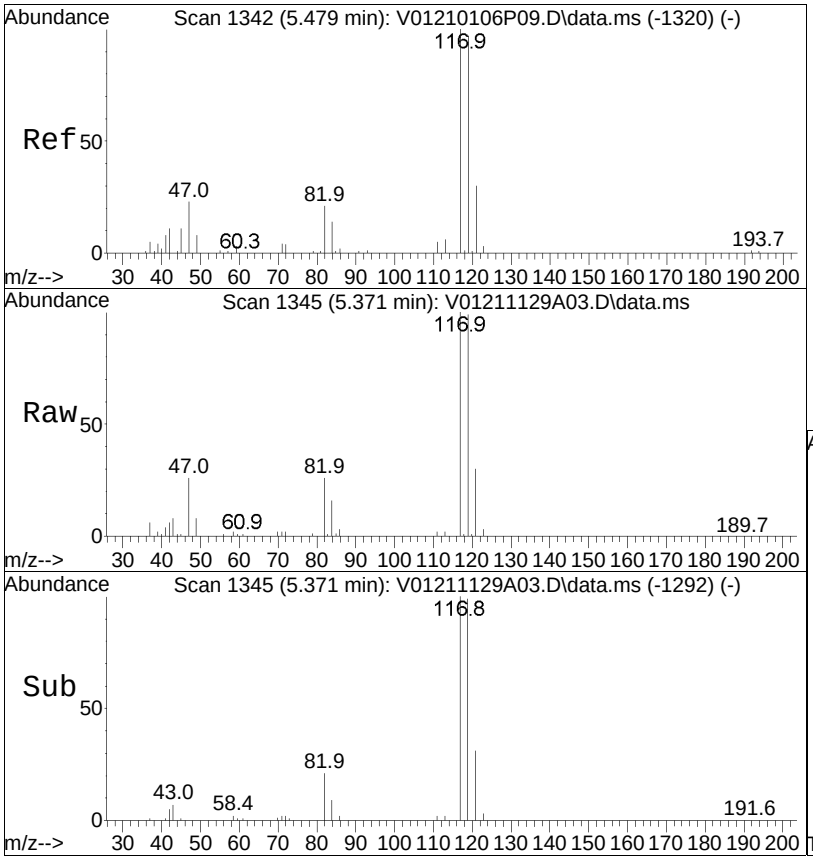


#32
Chloroform
Concen: 9.91 ug/L
RT: 5.232 min Scan# 1295
Delta R.T. 0.001 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 83 Resp: 268026

Ion	Ratio	Lower	Upper
83	100		
85	63.9	42.3	87.8
47	26.7	17.8	37.0
48	13.5	9.3	19.3

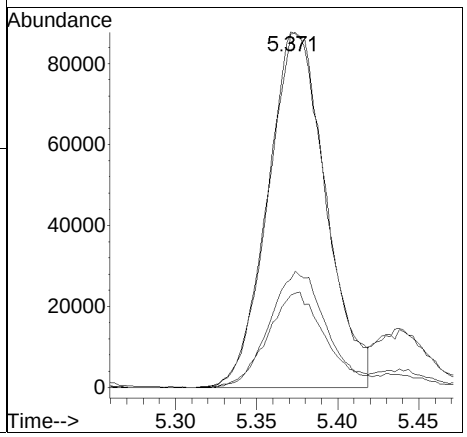


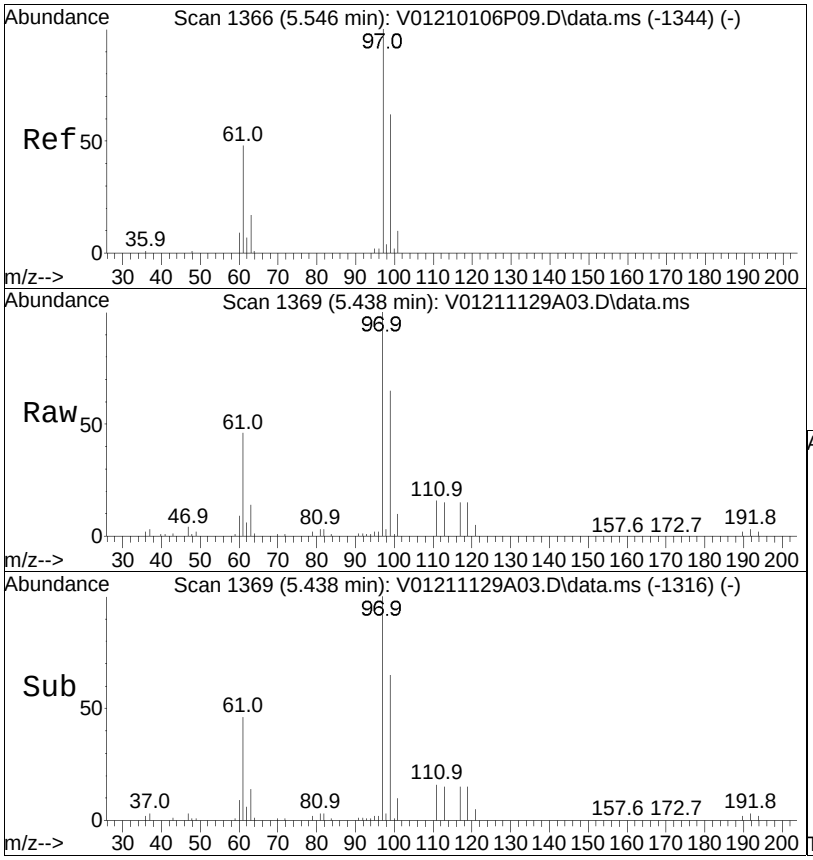


#34
Carbon tetrachloride
Concen: 9.90 ug/L
RT: 5.371 min Scan# 1345
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:117 Resp: 220637

Ion	Ratio	Lower	Upper
117	100		
119	98.2	62.1	128.9
121	31.8	19.8	41.0
82	26.7	17.1	35.5

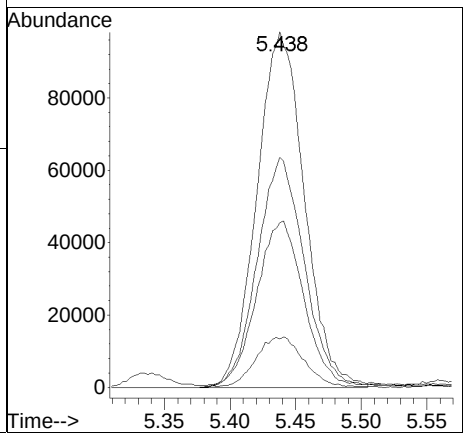


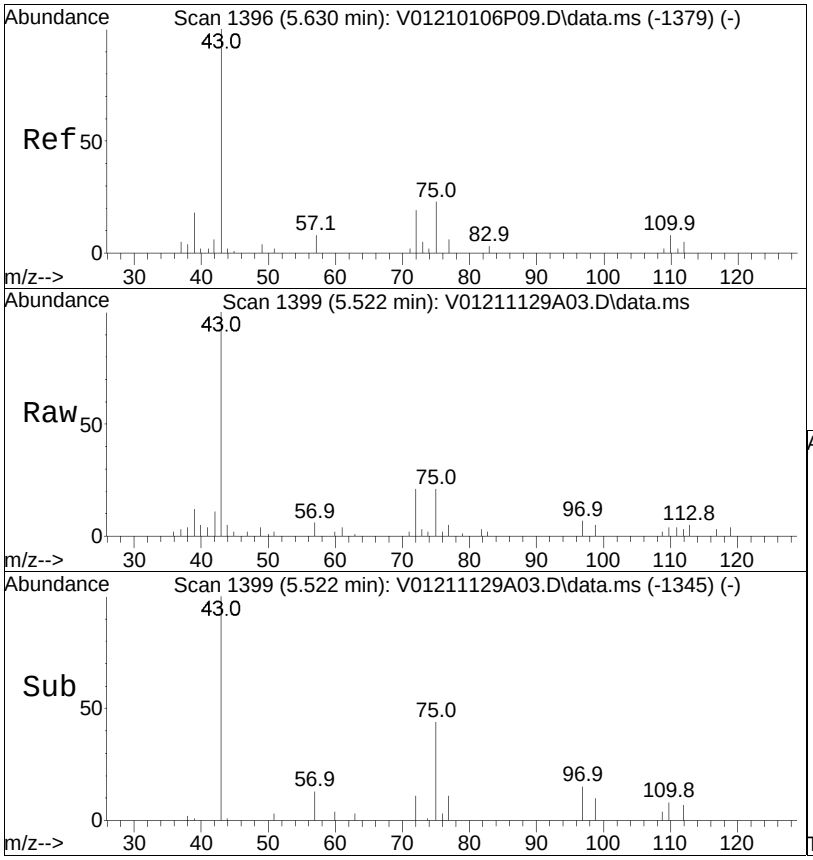


#37
1,1,1-Trichloroethane
Concen: 10.01 ug/L
RT: 5.438 min Scan# 1369
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 97 Resp: 247626

Ion	Ratio	Lower	Upper
97	100		
99	64.0	41.7	86.7
61	45.9	29.4	61.2
63	14.5	9.4	19.4

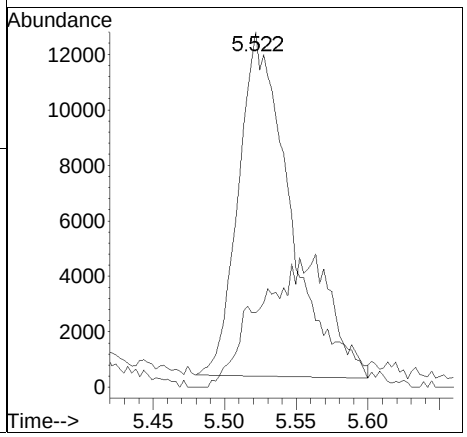


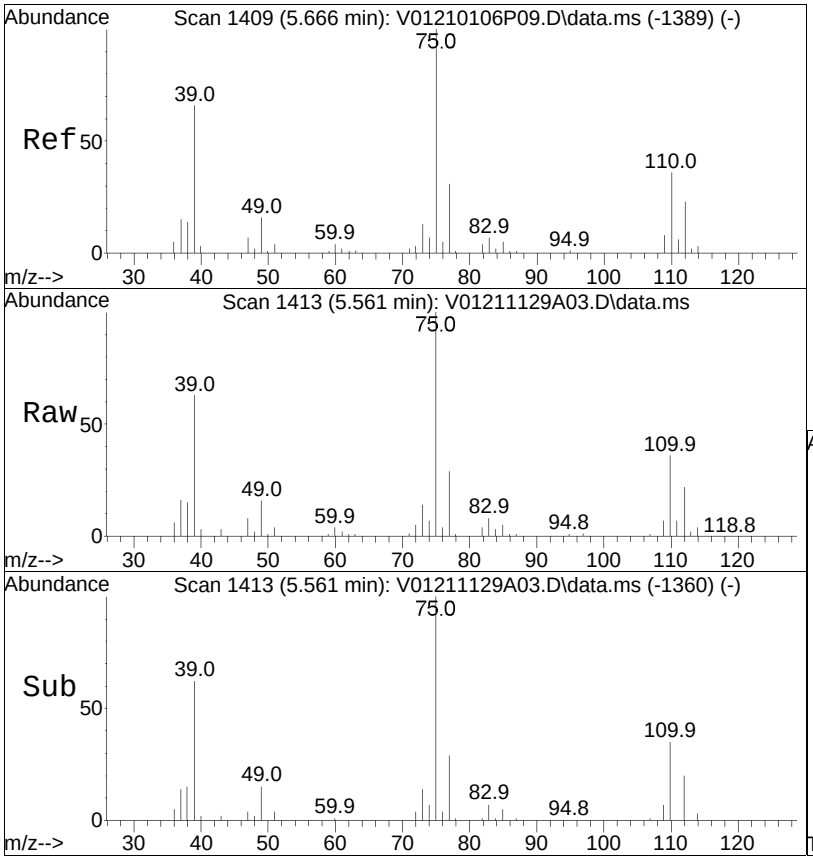


#39
2-Butanone
Concen: 8.44 ug/L
RT: 5.522 min Scan# 1399
Delta R.T. 0.001 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 43 Resp: 30877

Ion	Ratio	Lower	Upper
43	100		
72	9.4	45.8	68.6#

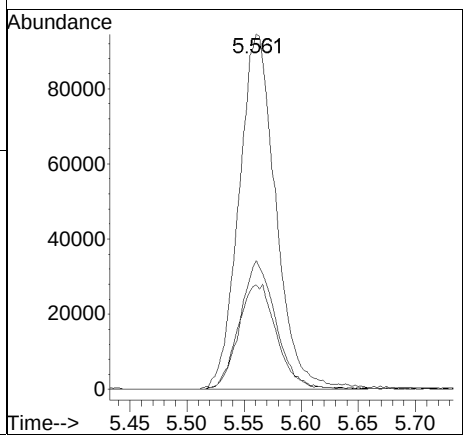


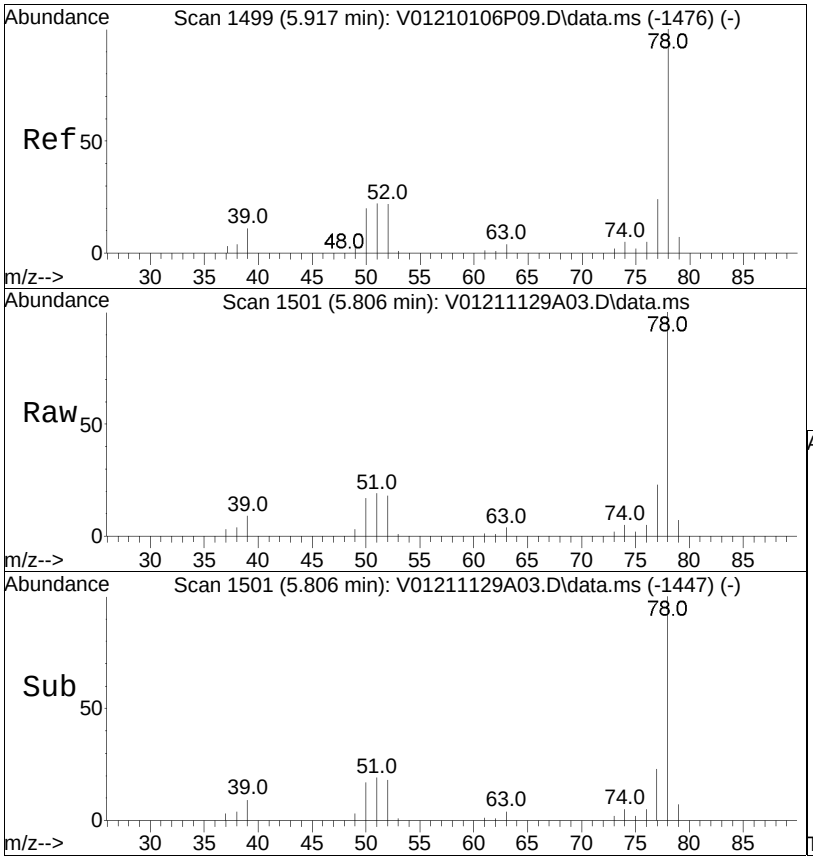


#40
1,1-Dichloropropene
Concen: 10.43 ug/L
RT: 5.561 min Scan# 1413
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 75 Resp: 213005

Ion	Ratio	Lower	Upper
75	100		
110	35.2	22.2	46.2
77	30.5	20.2	42.0

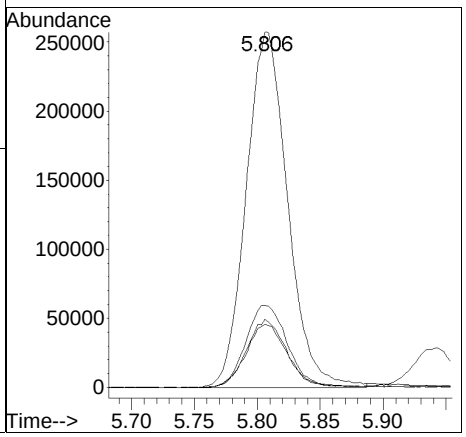


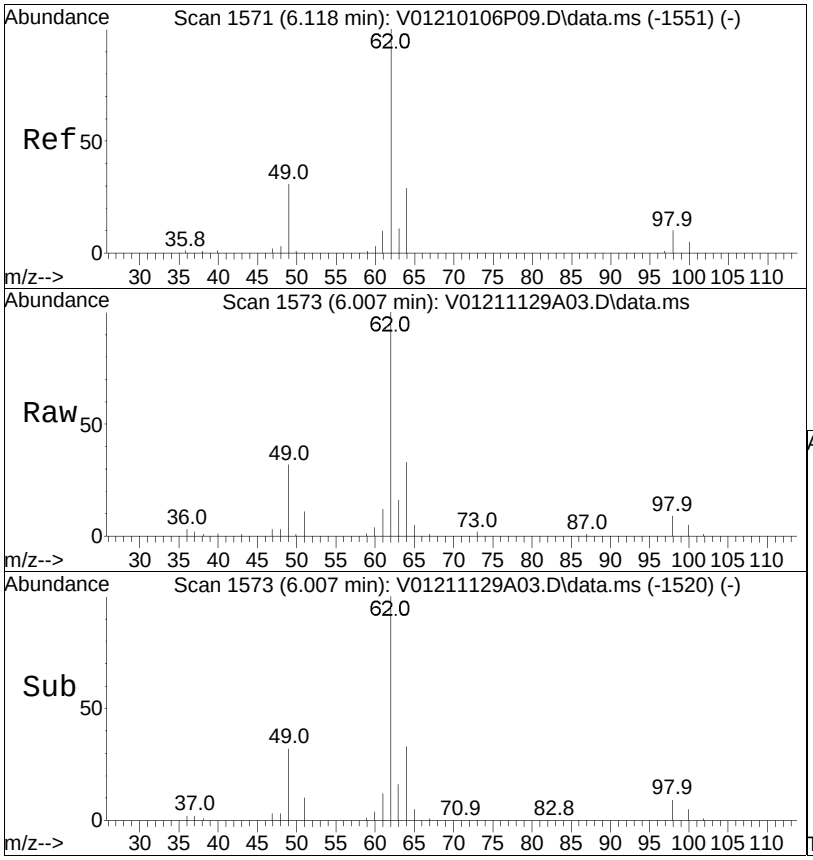


#41
Benzene
Concen: 10.13 ug/L
RT: 5.806 min Scan# 1501
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 78 Resp: 588763

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.7	32.5
51	18.7	11.6	24.2
52	17.6	10.9	22.5

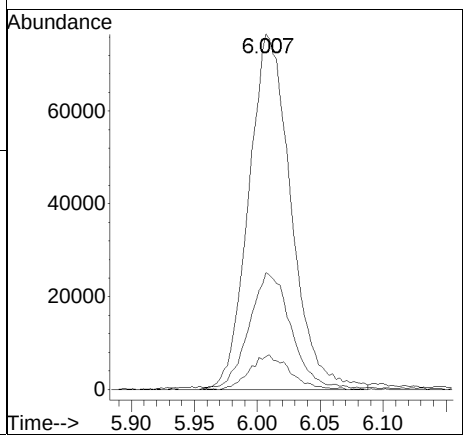


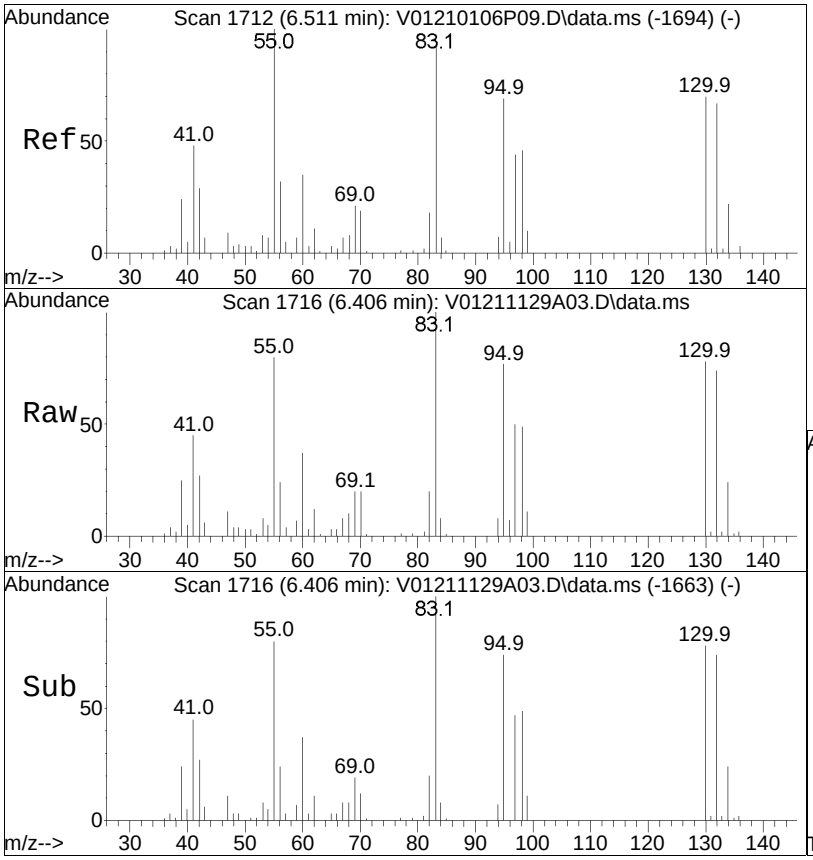


#44
1,2-Dichloroethane
Concen: 9.58 ug/L
RT: 6.007 min Scan# 1573
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 62 Resp: 179288

Ion	Ratio	Lower	Upper
62	100		
64	31.8	12.1	52.1
98	9.2	0.0	28.8

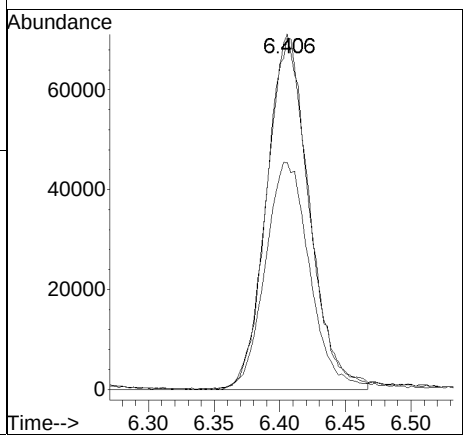


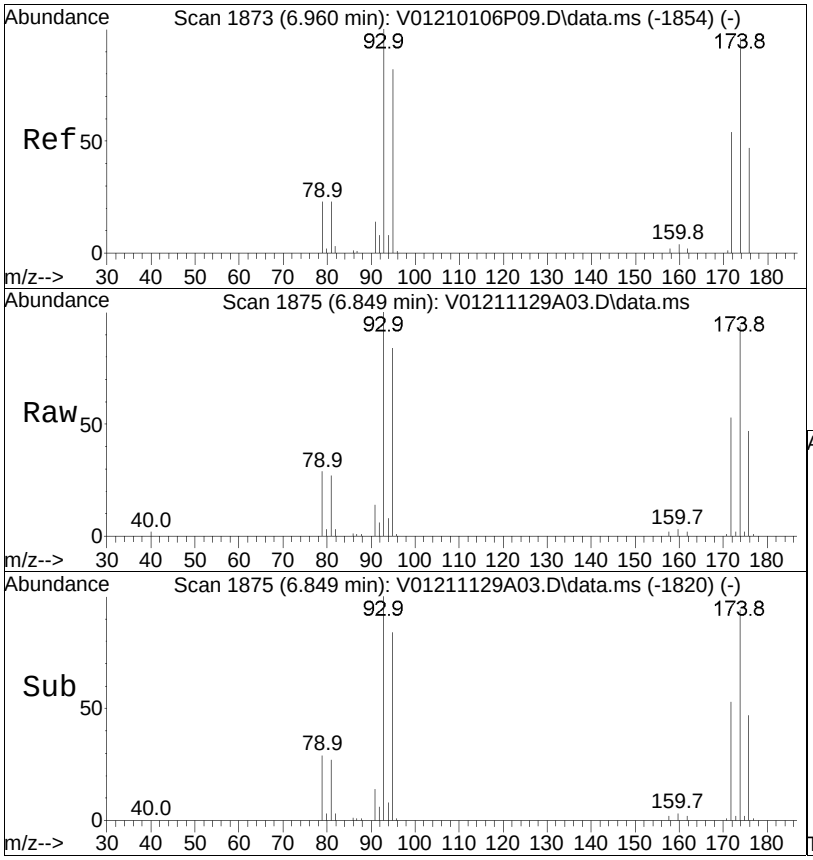


#48
Trichloroethene
Concen: 9.75 ug/L
RT: 6.406 min Scan# 1716
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 95 Resp: 158975

Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.4	81.6
130	101.7	80.6	120.8

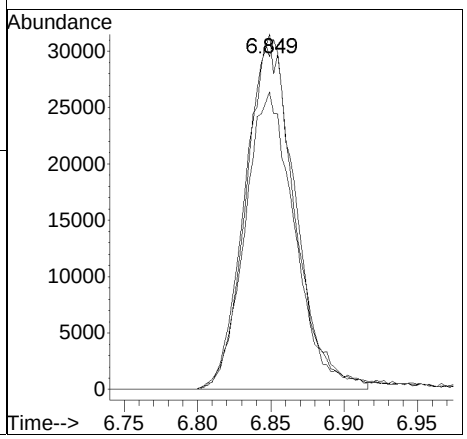


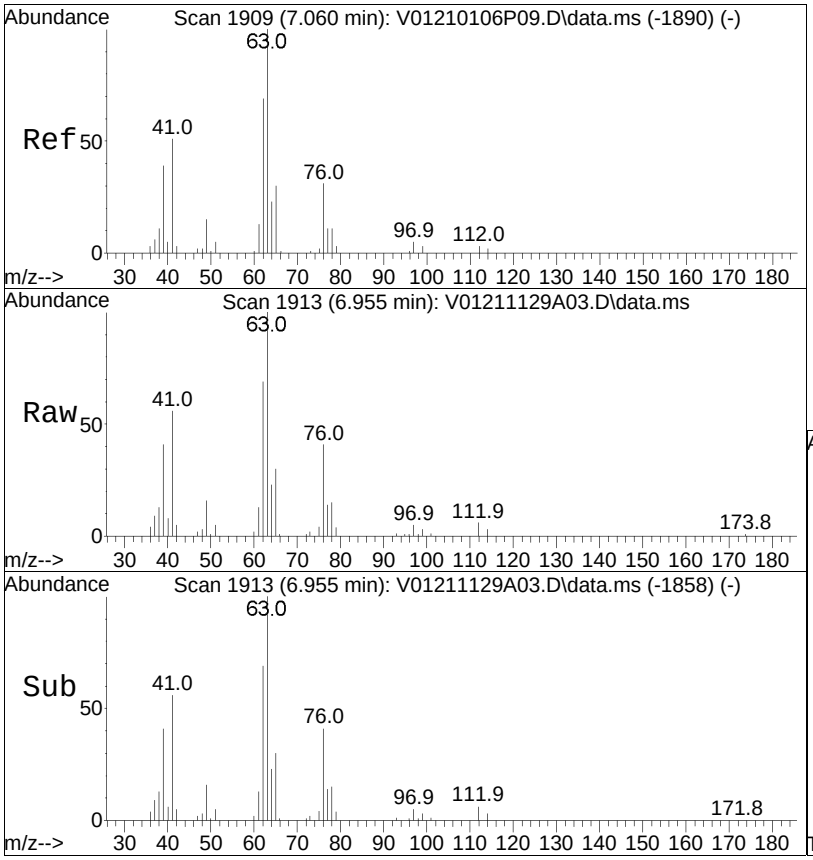


#50
Dibromomethane
Concen: 9.33 ug/L
RT: 6.849 min Scan# 1875
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 93 Resp: 72896

Ion	Ratio	Lower	Upper
93	100		
95	85.7	68.6	102.8
174	100.2	80.5	120.7

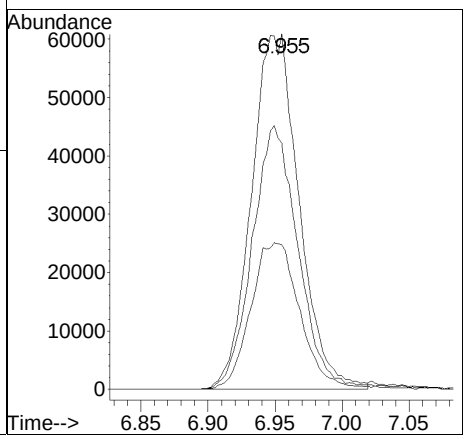


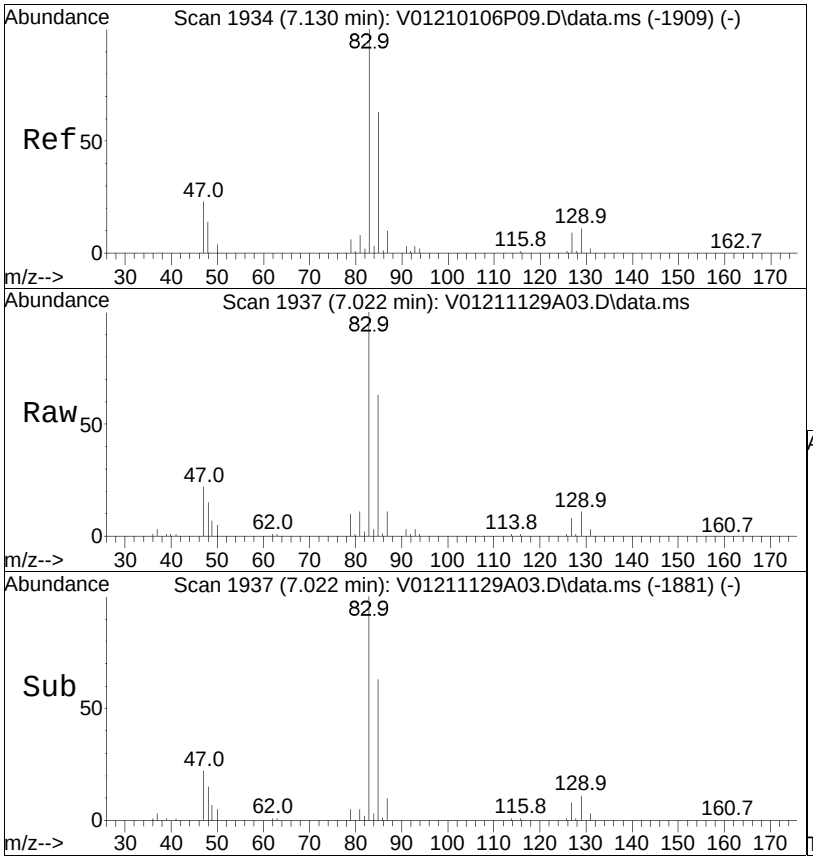


#51
1,2-Dichloropropane
Concen: 10.06 ug/L
RT: 6.955 min Scan# 1913
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 63 Resp: 150782

Ion	Ratio	Lower	Upper
63	100		
62	71.4	57.2	85.8
76	42.5	33.6	50.4

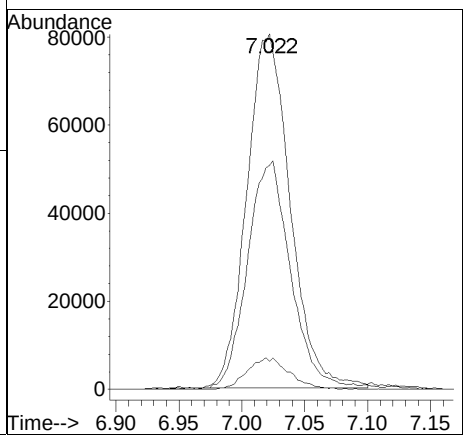


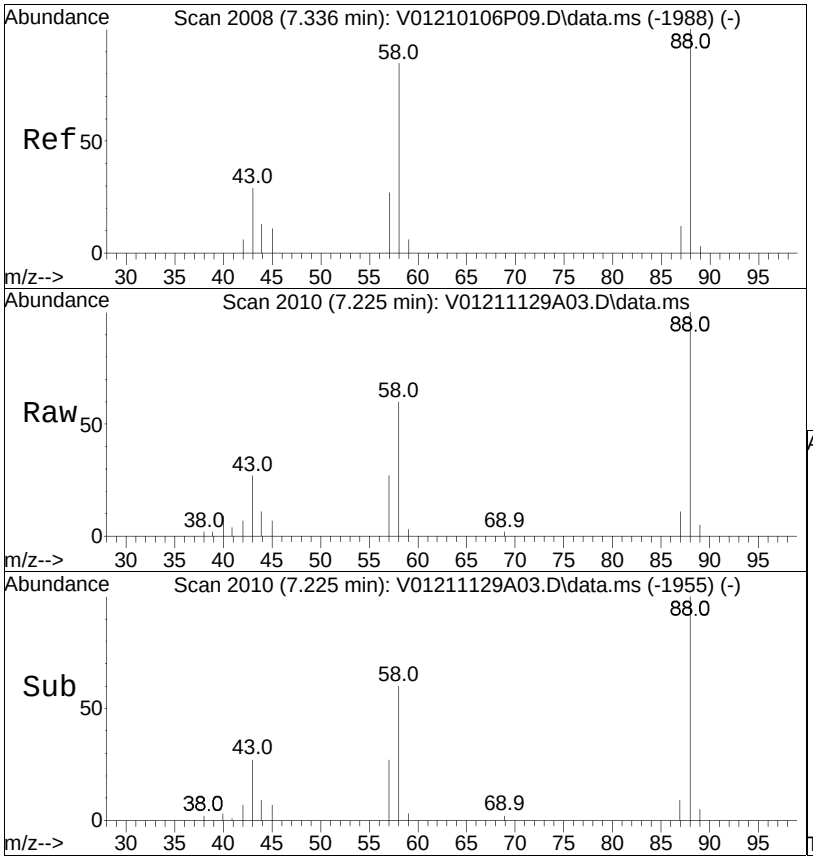


#54
Bromodichloromethane
Concen: 9.37 ug/L
RT: 7.022 min Scan# 1937
Delta R.T. 0.006 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 83 Resp: 193904

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	8.7	6.9	10.3

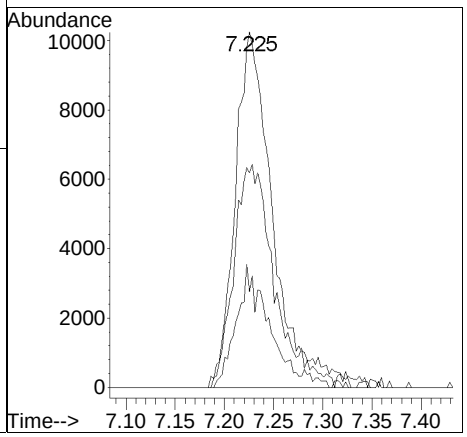


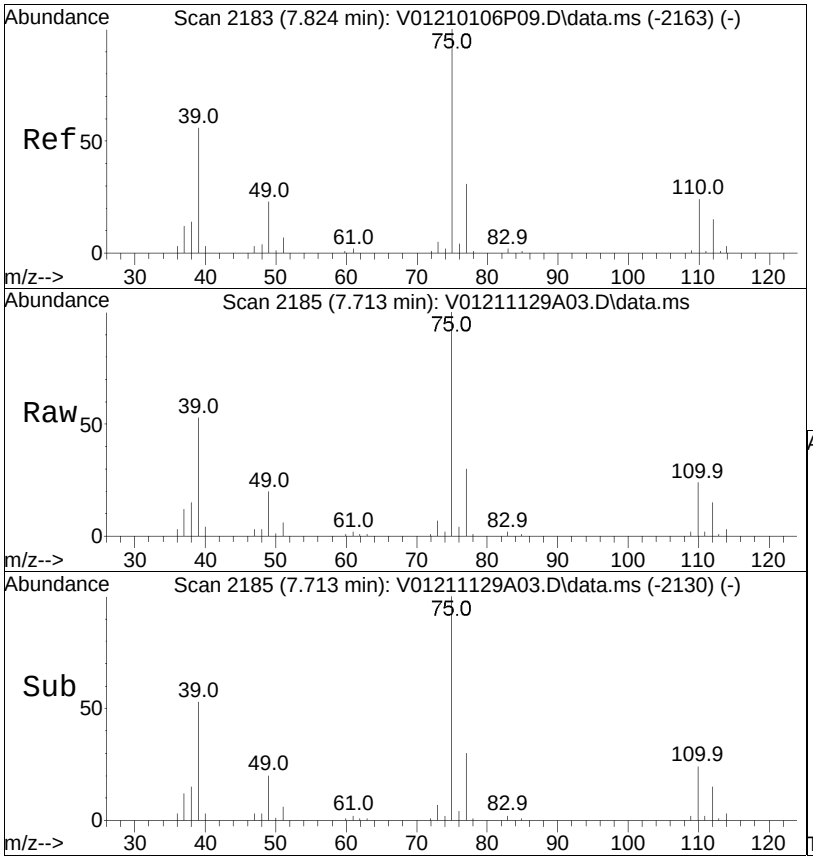


#57
1,4-Dioxane
Concen: 627.48 ug/L M1
RT: 7.225 min Scan# 2010
Delta R.T. 0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 88 Resp: 27482

Ion	Ratio	Lower	Upper
88	100		
58	66.3	54.8	82.2
43	15.8	29.3	43.9#

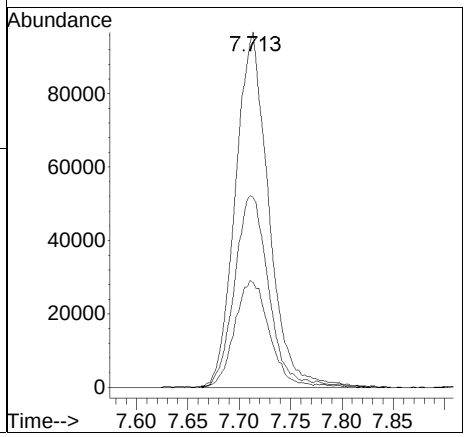


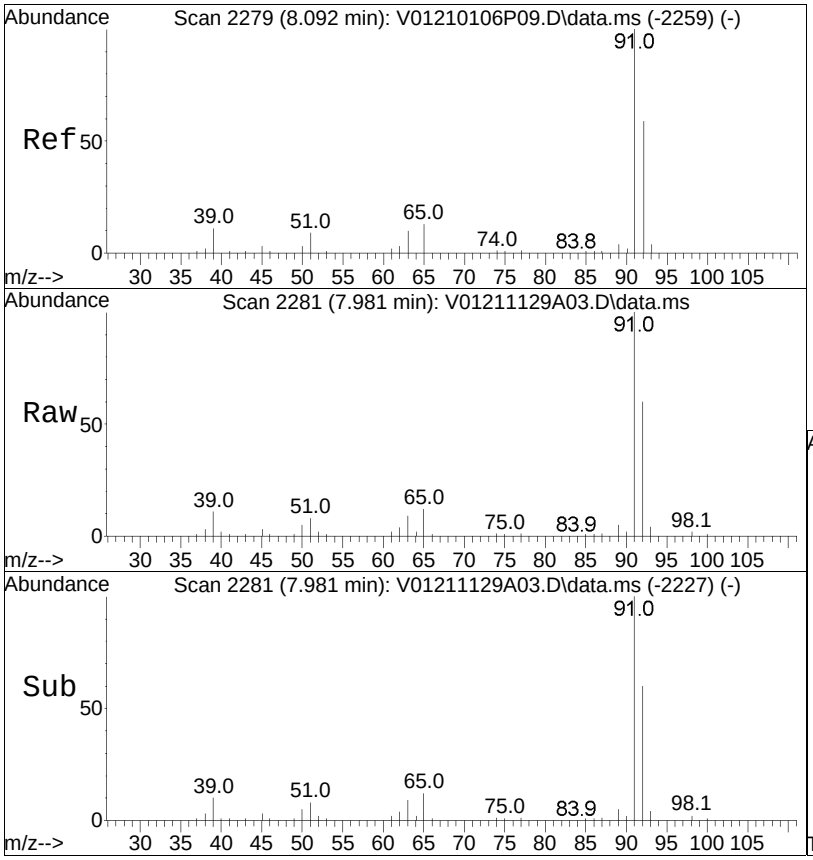


#58
cis-1,3-Dichloropropene
Concen: 9.60 ug/L
RT: 7.713 min Scan# 2185
Delta R.T. 0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 75 Resp: 219018

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	54.8	42.6	63.8

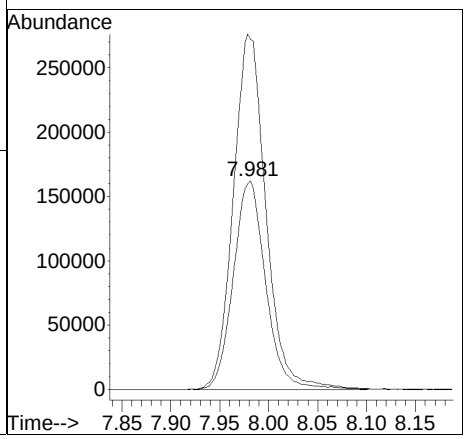


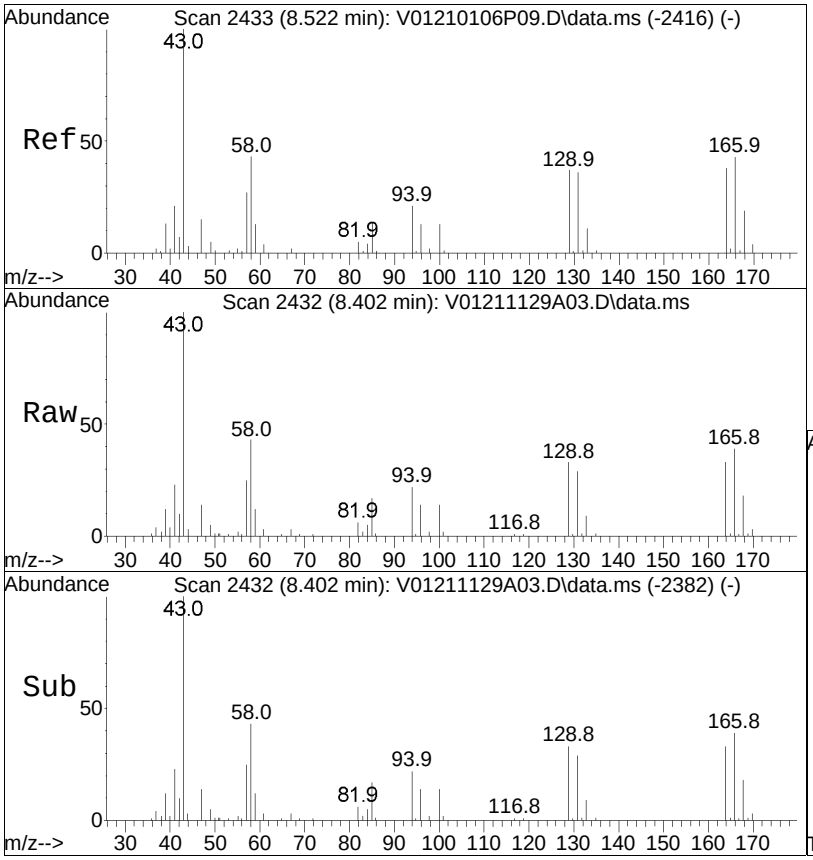


#61
Toluene
Concen: 12.35 ug/L
RT: 7.981 min Scan# 2281
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 92 Resp: 373494

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.5	206.3

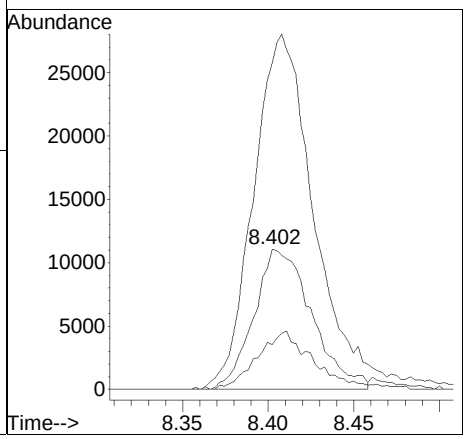


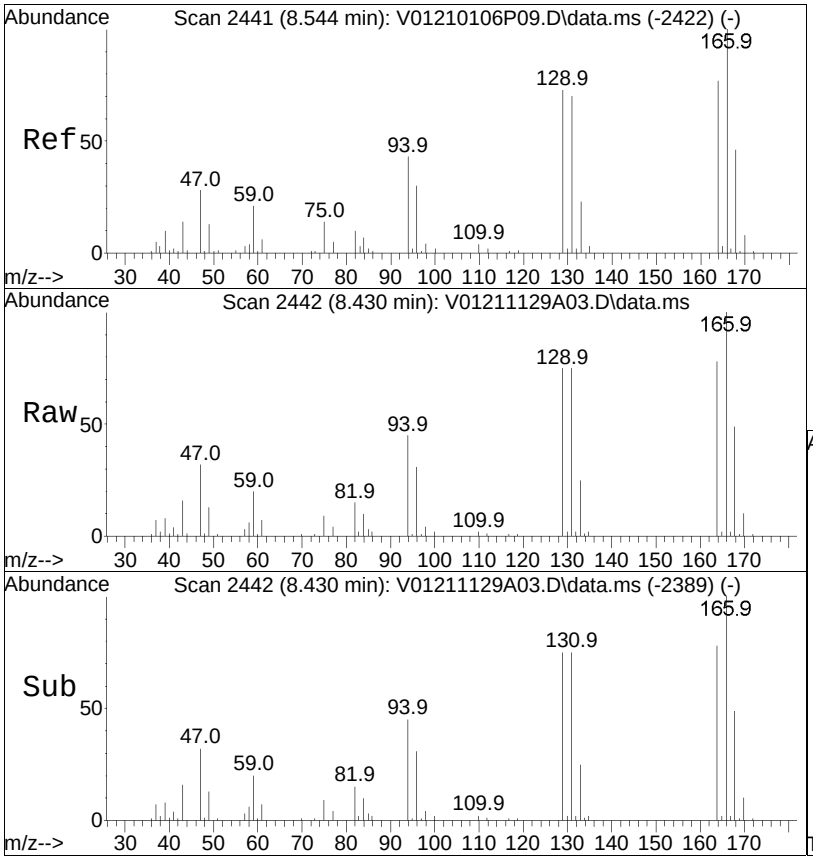


#62
4-Methyl-2-pentanone
Concen: 10.51 ug/L
RT: 8.402 min Scan# 2432
Delta R.T. -0.011 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 58 Resp: 26057

Ion	Ratio	Lower	Upper
58	100		
100	41.0	31.8	47.6
43	266.7	212.5	318.7

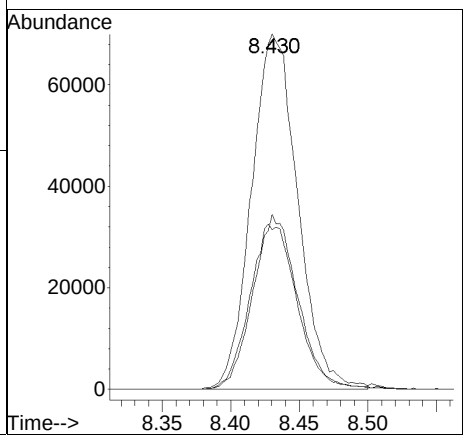


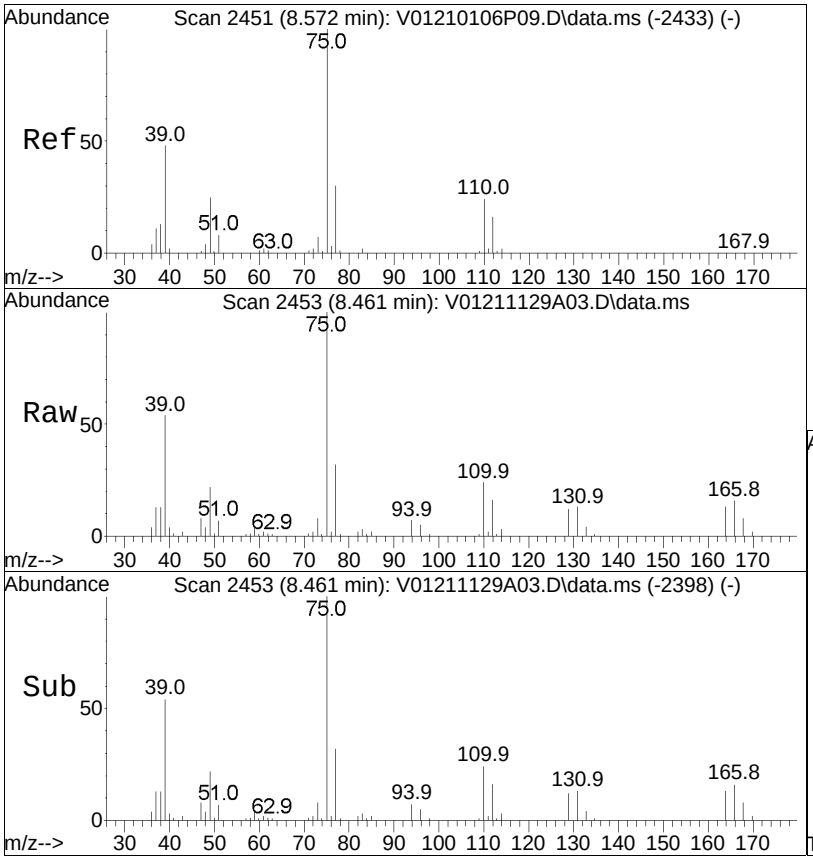


#63
Tetrachloroethene
Concen: 12.42 ug/L
RT: 8.430 min Scan# 2442
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:166 Resp: 164805

Ion	Ratio	Lower	Upper
166	100		
168	47.5	27.4	67.4
94	47.6	24.8	64.8

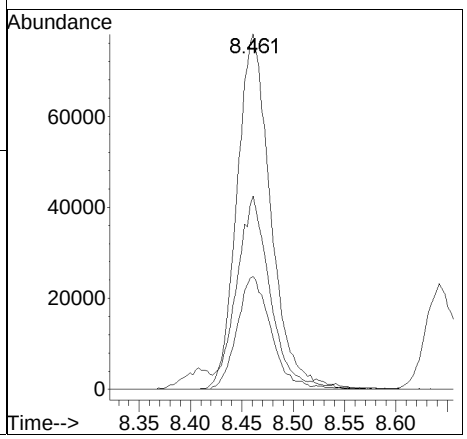


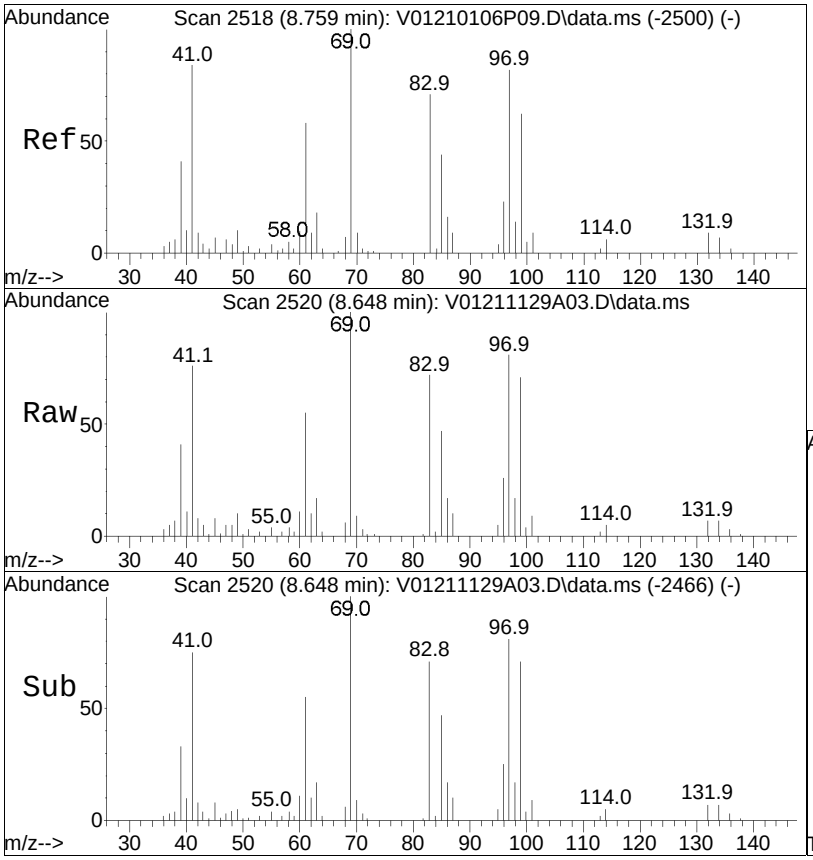


#65
trans-1,3-Dichloropropene
Concen: 11.56 ug/L
RT: 8.461 min Scan# 2453
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 75 Resp: 179575

Ion	Ratio	Lower	Upper
75	100		
77	31.6	11.8	51.8
39	52.7	30.2	70.2

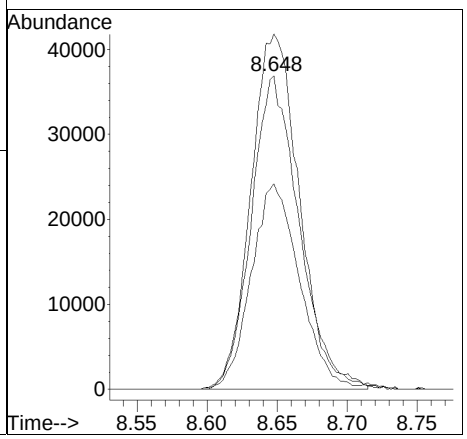


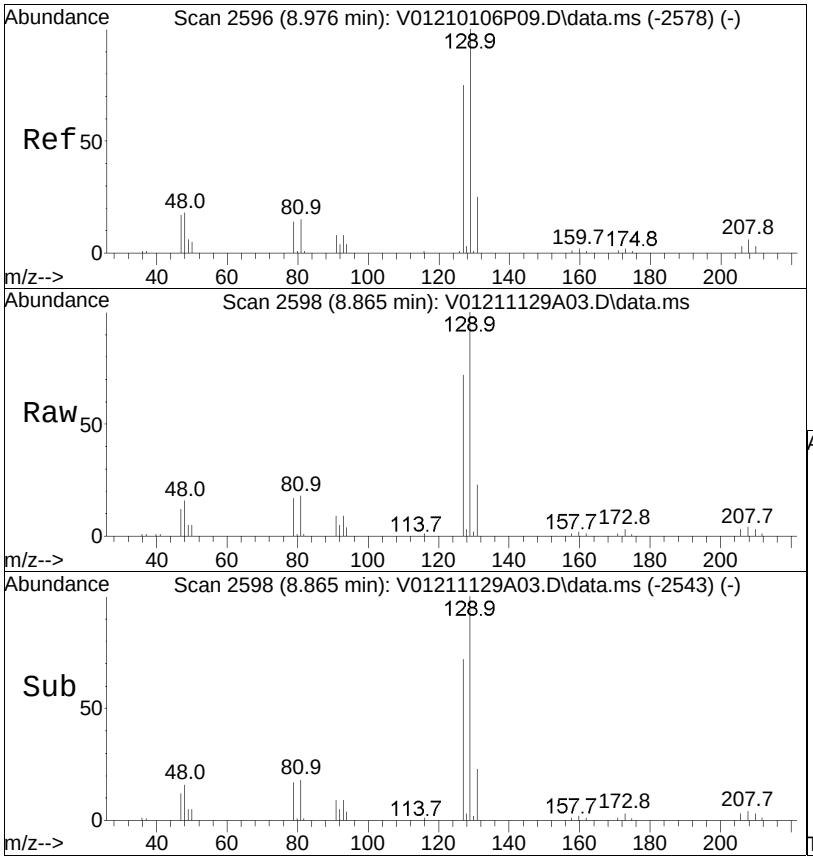


#68
1,1,2-Trichloroethane
Concen: 11.87 ug/L
RT: 8.648 min Scan# 2520
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 83 Resp: 87086

Ion	Ratio	Lower	Upper
83	100		
97	117.3	96.7	136.7
85	66.8	45.3	85.3

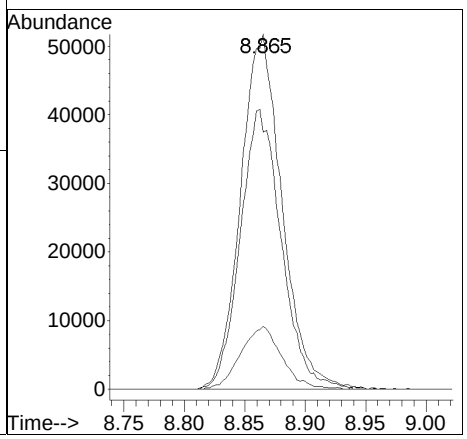


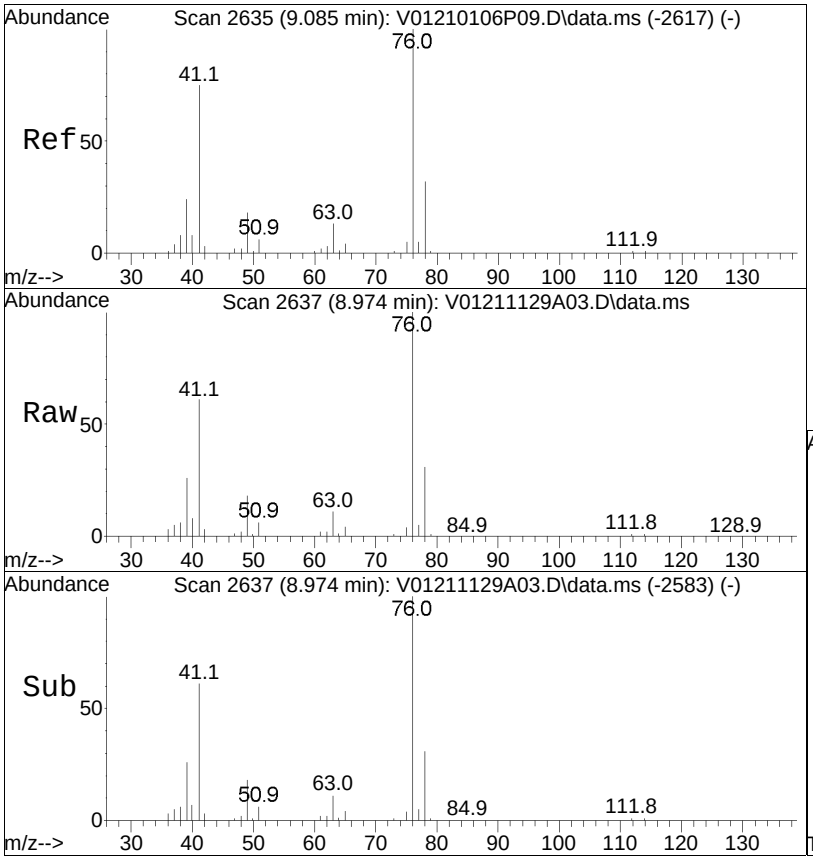


#69
Chlorodibromomethane
Concen: 11.22 ug/L
RT: 8.865 min Scan# 2598
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:129 Resp: 123509

Ion	Ratio	Lower	Upper
129	100		
81	17.7	0.0	37.9
127	78.0	56.6	96.6

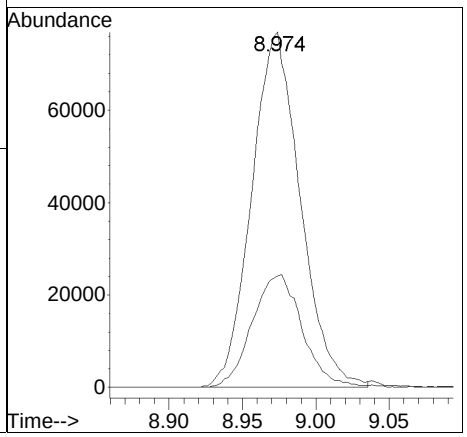


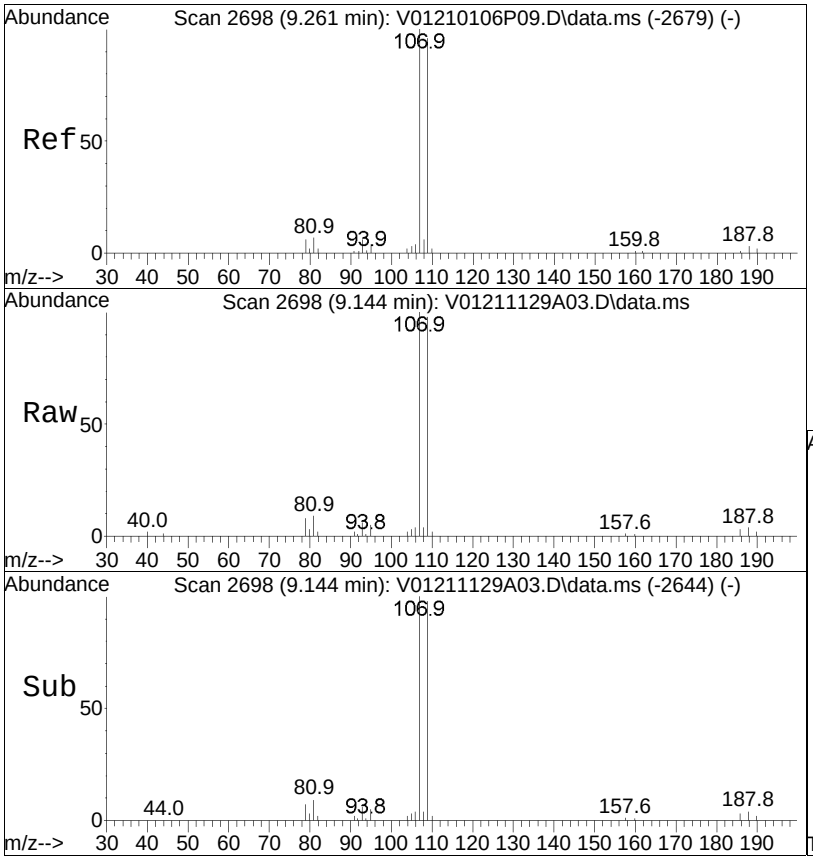


#70
1,3-Dichloropropane
Concen: 11.92 ug/L
RT: 8.974 min Scan# 2637
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 76 Resp: 177600

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

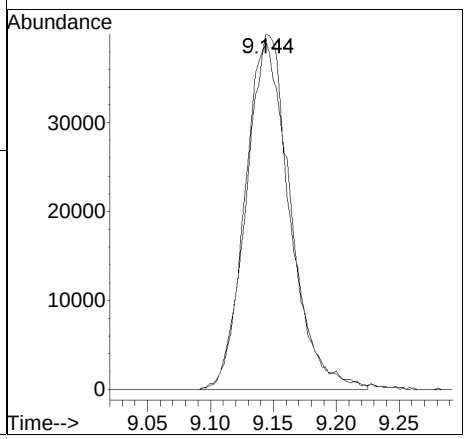


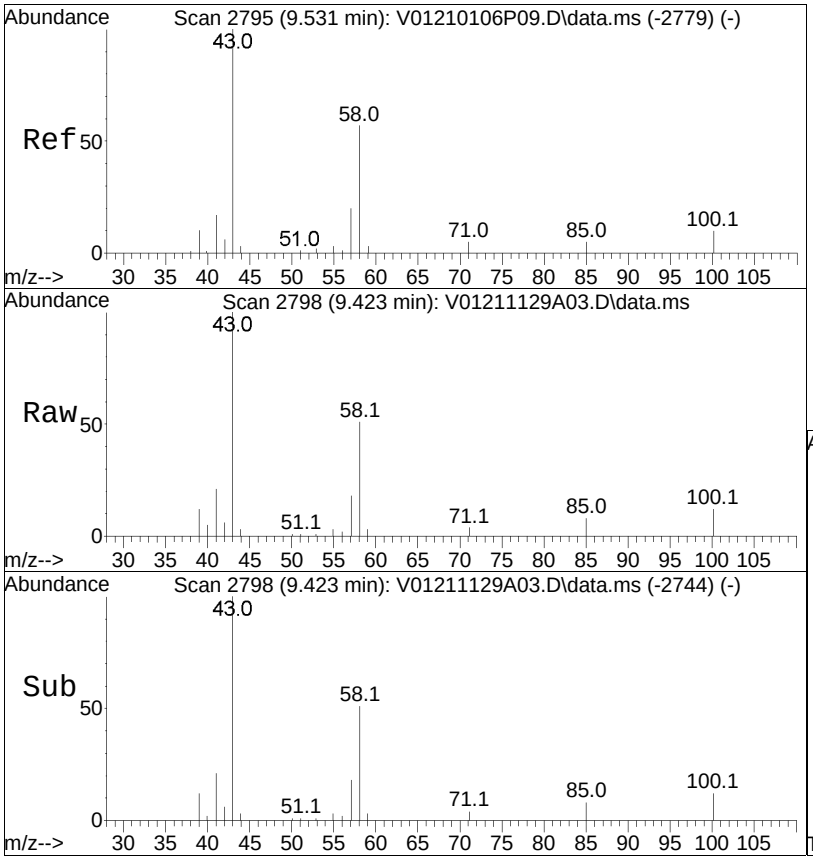


#71
1,2-Dibromoethane
Concen: 11.80 ug/L
RT: 9.144 min Scan# 2698
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:107 Resp: 100551

Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

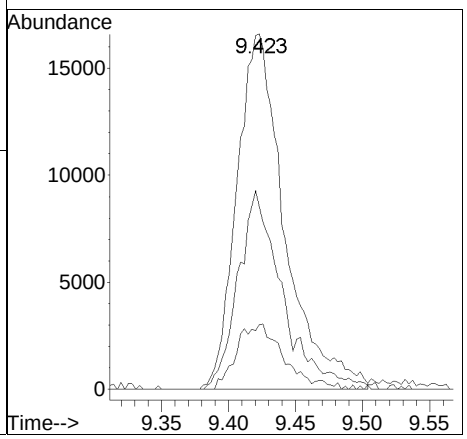


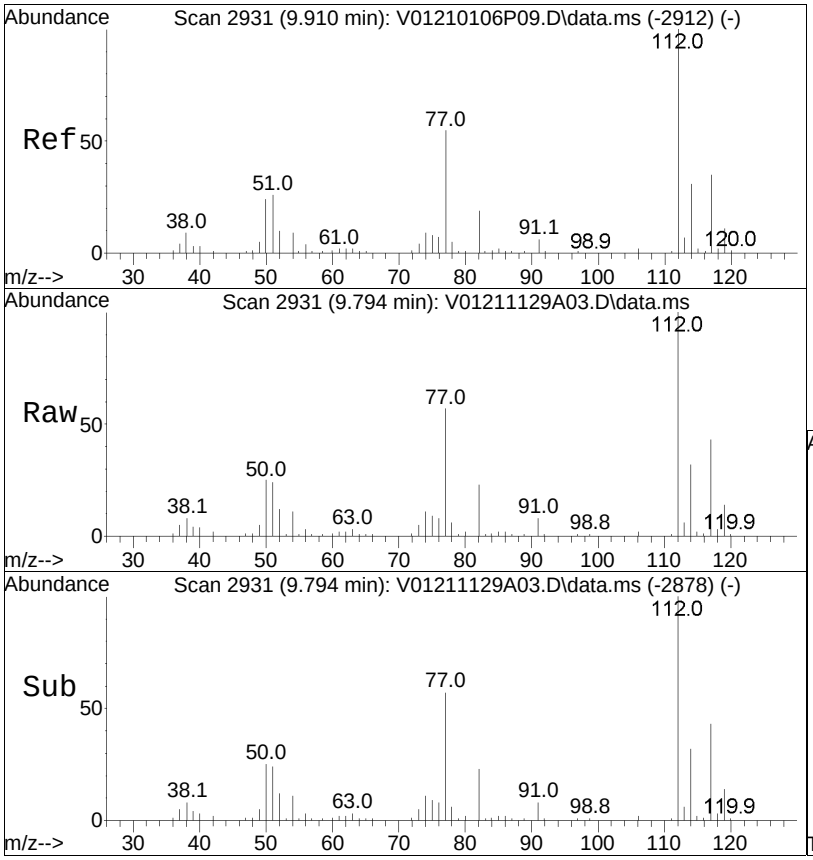


#72
2-Hexanone
Concen: 9.08 ug/L
RT: 9.423 min Scan# 2798
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 43 Resp: 41368

Ion	Ratio	Lower	Upper
43	100		
58	52.0	40.8	61.2
57	5.6	14.2	21.4#

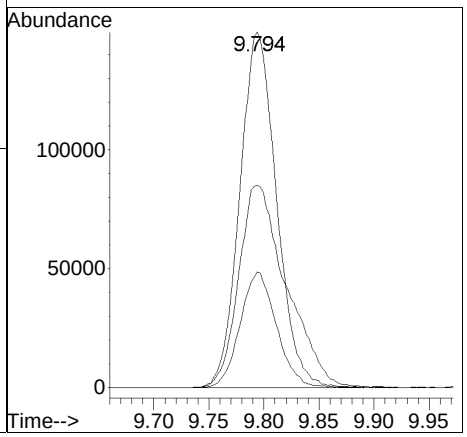


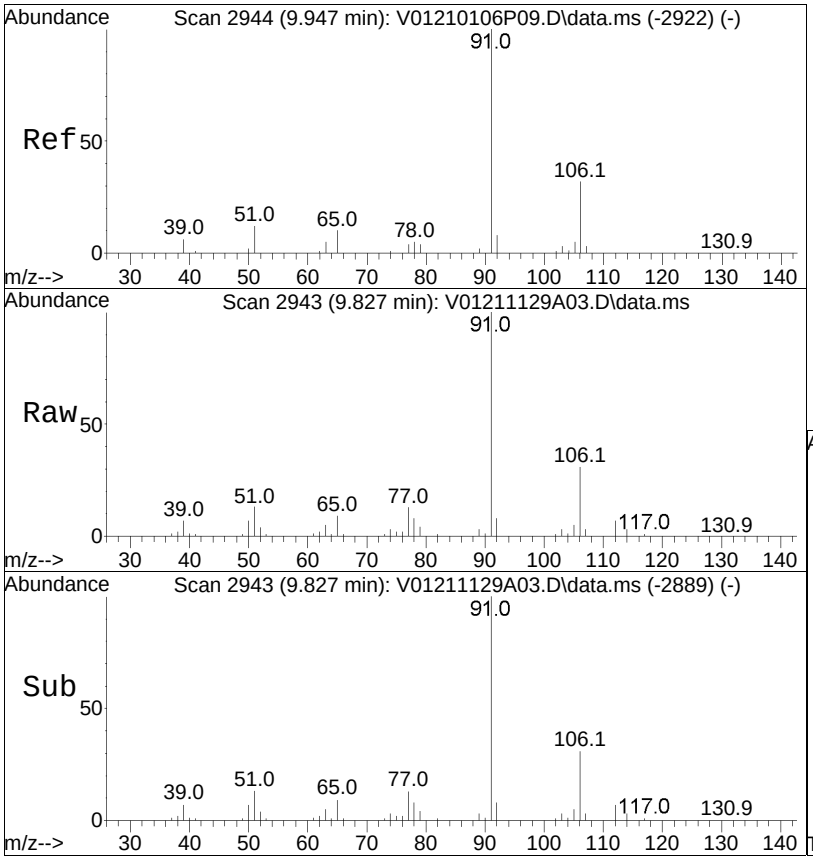


#73
Chlorobenzene
Concen: 10.26 ug/L
RT: 9.794 min Scan# 2931
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:112 Resp: 346399

Ion	Ratio	Lower	Upper
112	100		
77	73.9	59.8	89.6
114	32.1	25.4	38.2

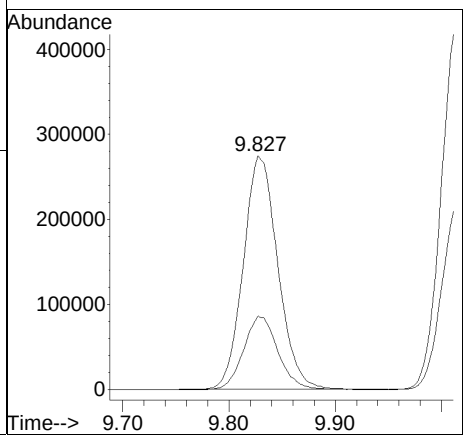


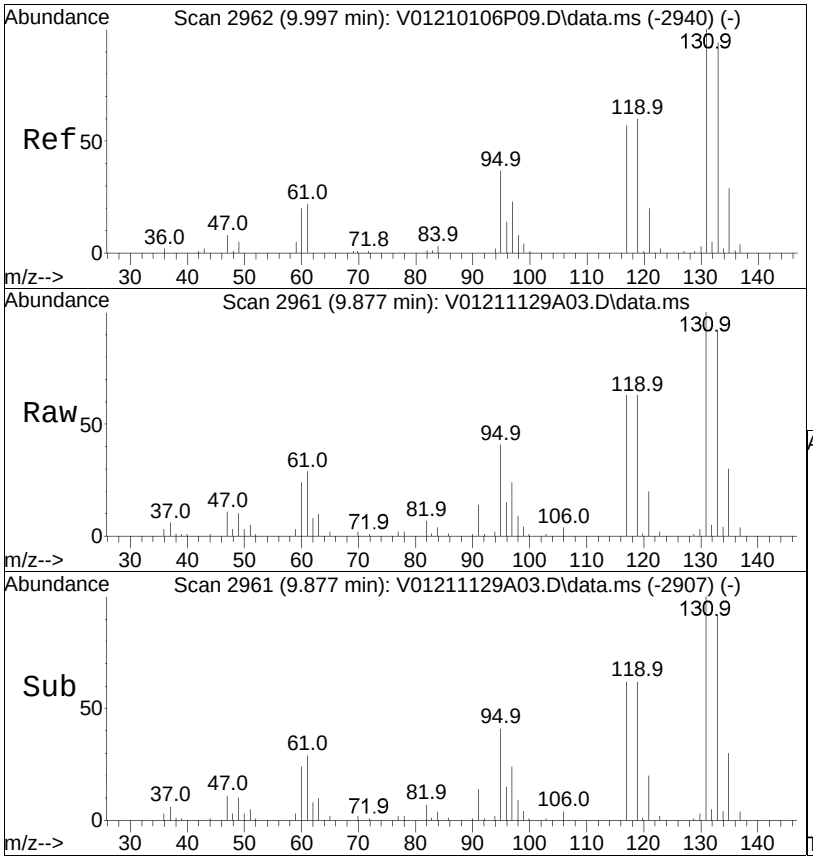


#74
Ethylbenzene
Concen: 10.38 ug/L
RT: 9.827 min Scan# 2943
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 91 Resp: 619218

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.7	37.1

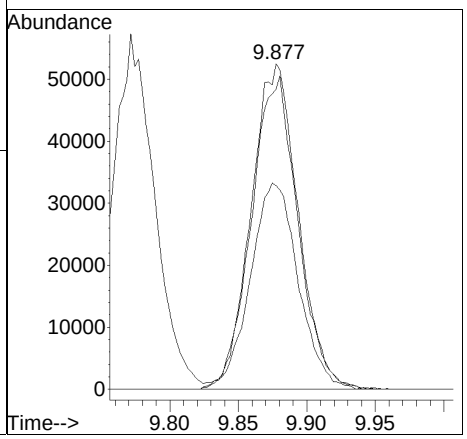


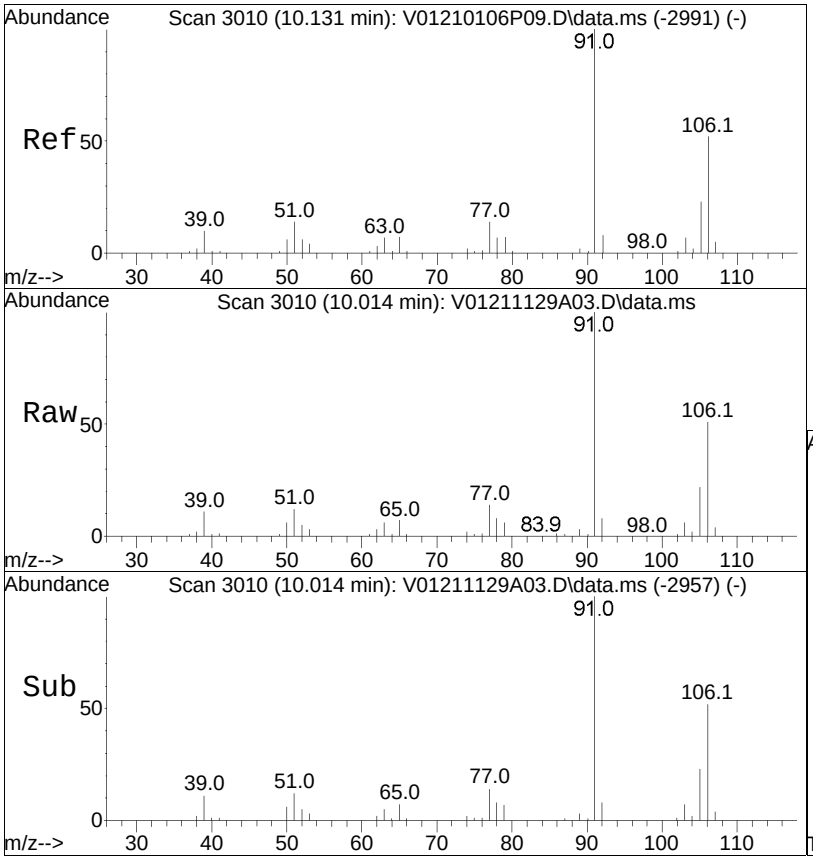


#75
1,1,1,2-Tetrachloroethane
Concen: 10.18 ug/L
RT: 9.877 min Scan# 2961
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:131 Resp: 126036

Ion	Ratio	Lower	Upper
131	100		
133	94.6	75.8	115.8
119	64.2	45.8	85.8

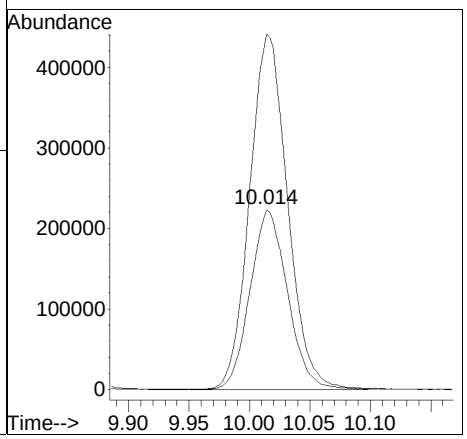


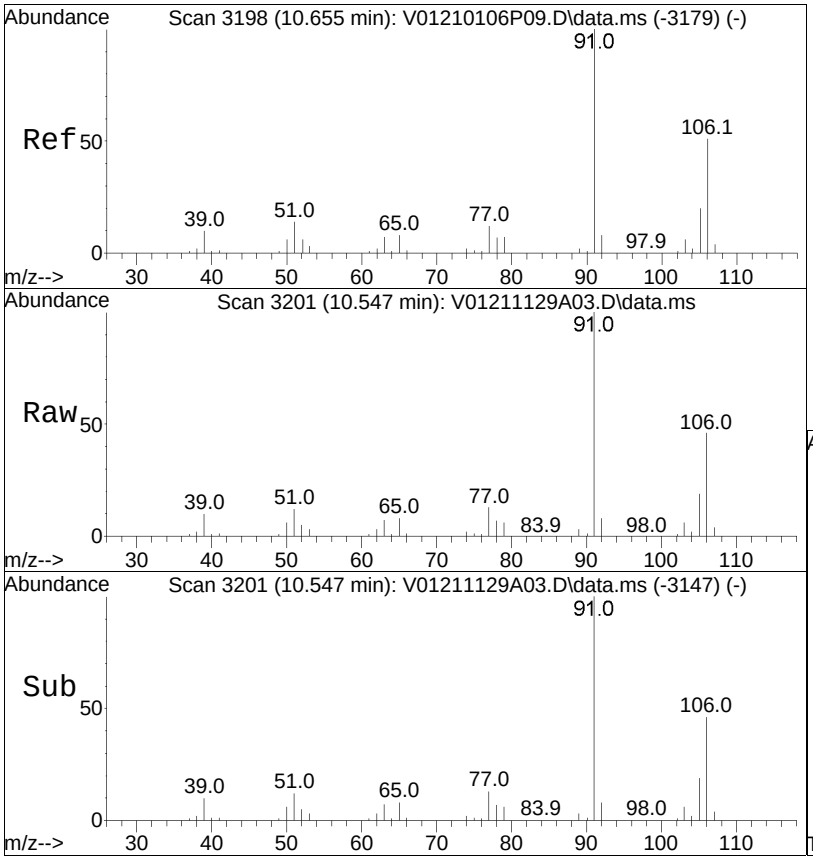


#76
p/m Xylene
Concen: 20.44 ug/L
RT: 10.014 min Scan# 3010
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:106 Resp: 480254

Ion	Ratio	Lower	Upper
106	100		
91	200.1	162.9	244.3

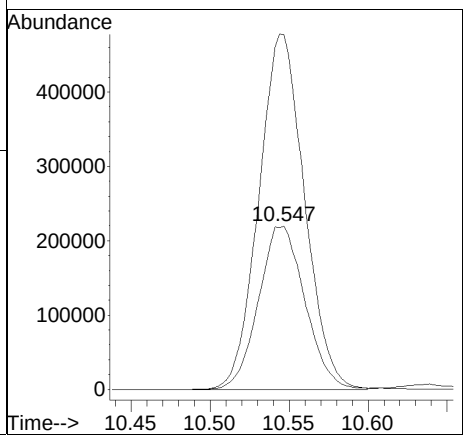


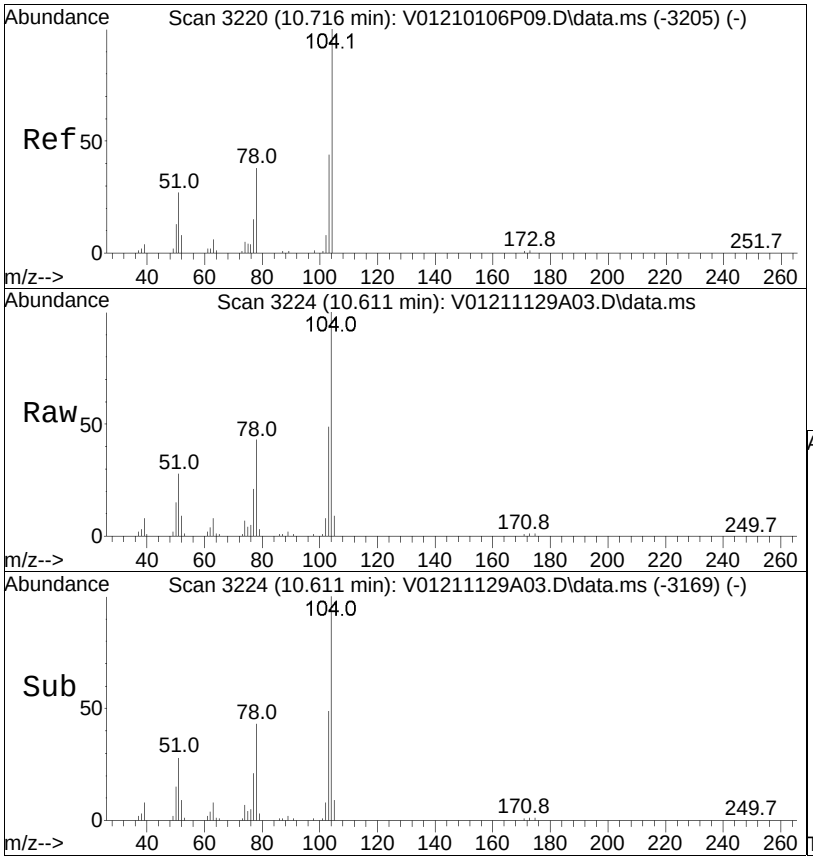


#77
o Xylene
Concen: 20.03 ug/L
RT: 10.547 min Scan# 3201
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:106 Resp: 448275

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8

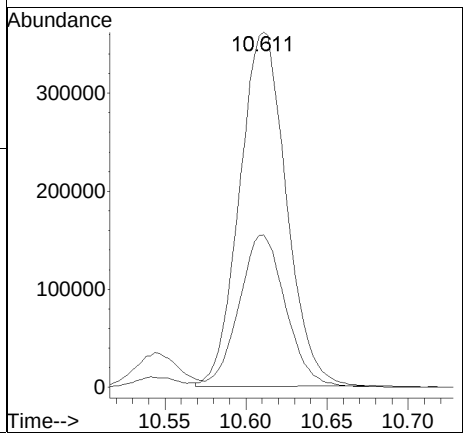


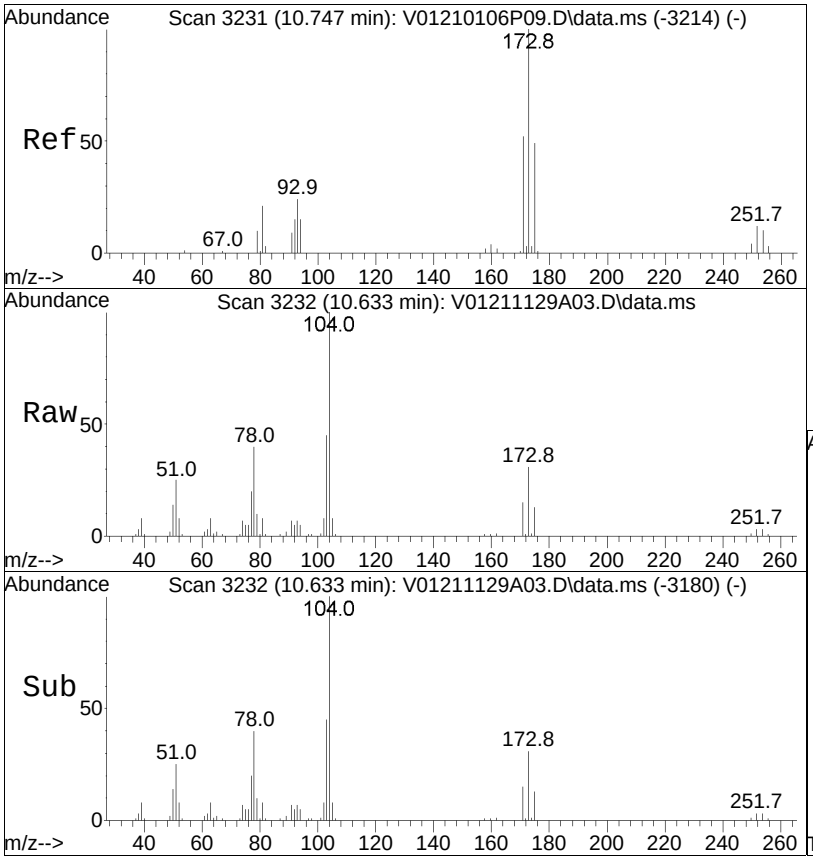


#78
Styrene
Concen: 20.15 ug/L
RT: 10.611 min Scan# 3224
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:104 Resp: 723698

Ion	Ratio	Lower	Upper
104	100		
78	42.9	34.2	51.4

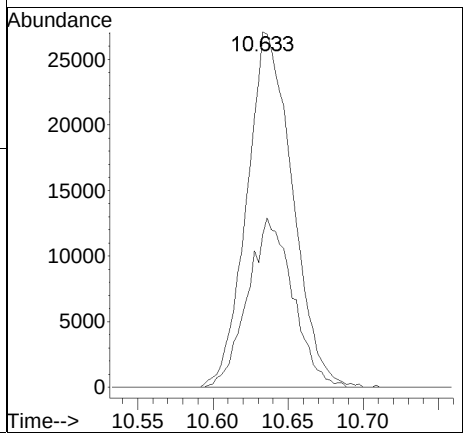


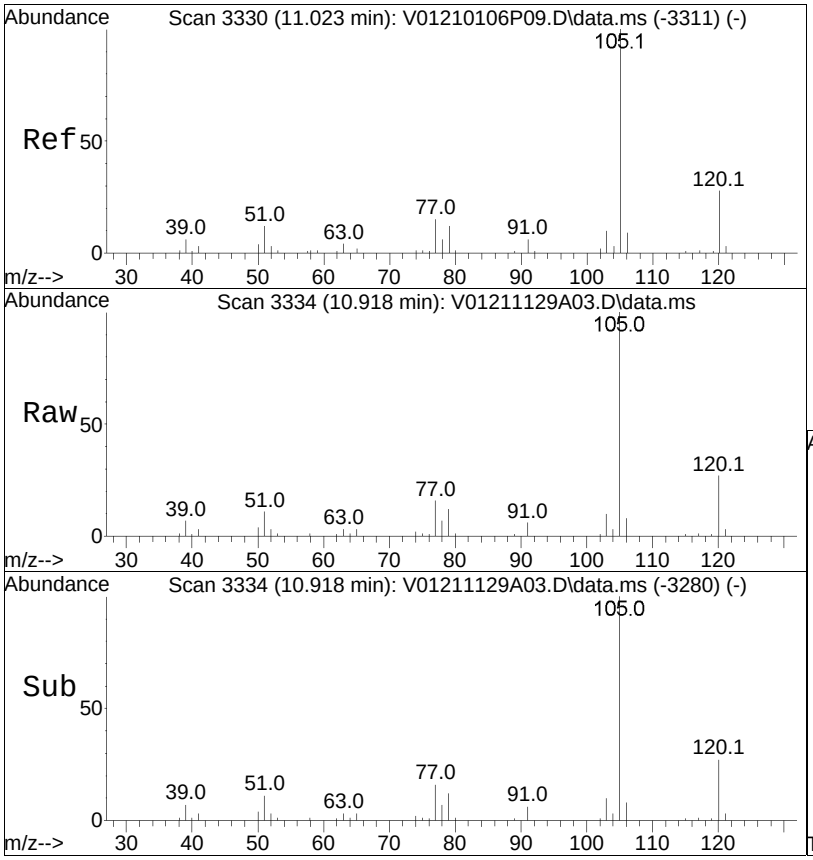


#80
Bromoform
Concen: 9.17 ug/L
RT: 10.633 min Scan# 3232
Delta R.T. -0.006 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:173 Resp: 57365

Ion	Ratio	Lower	Upper
173	100		
175	47.3	28.6	68.6

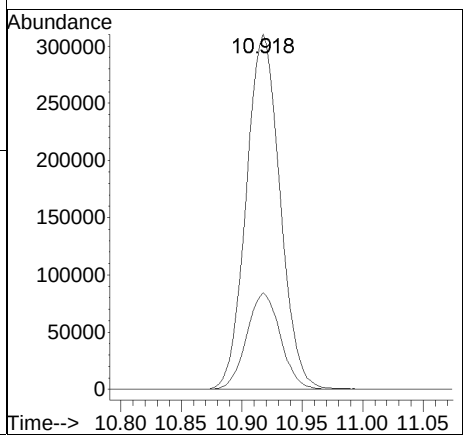


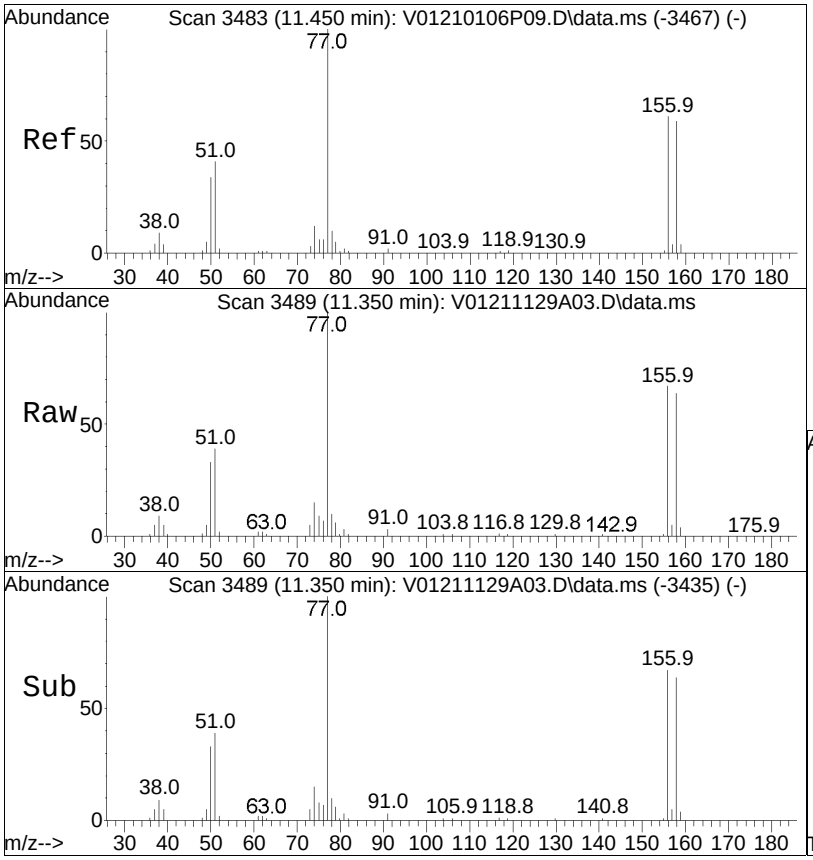


#82
Isopropylbenzene
Concen: 10.55 ug/L
RT: 10.918 min Scan# 3334
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:105 Resp: 604931

Ion	Ratio	Lower	Upper
105	100		
120	27.1	7.3	47.3

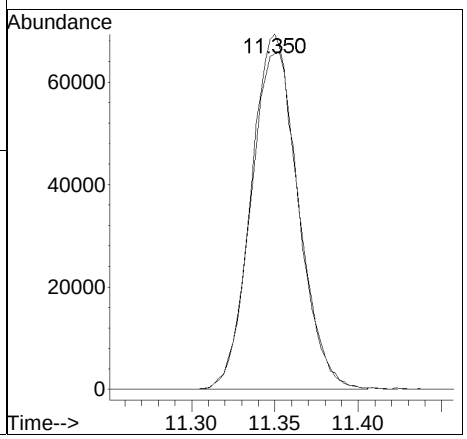


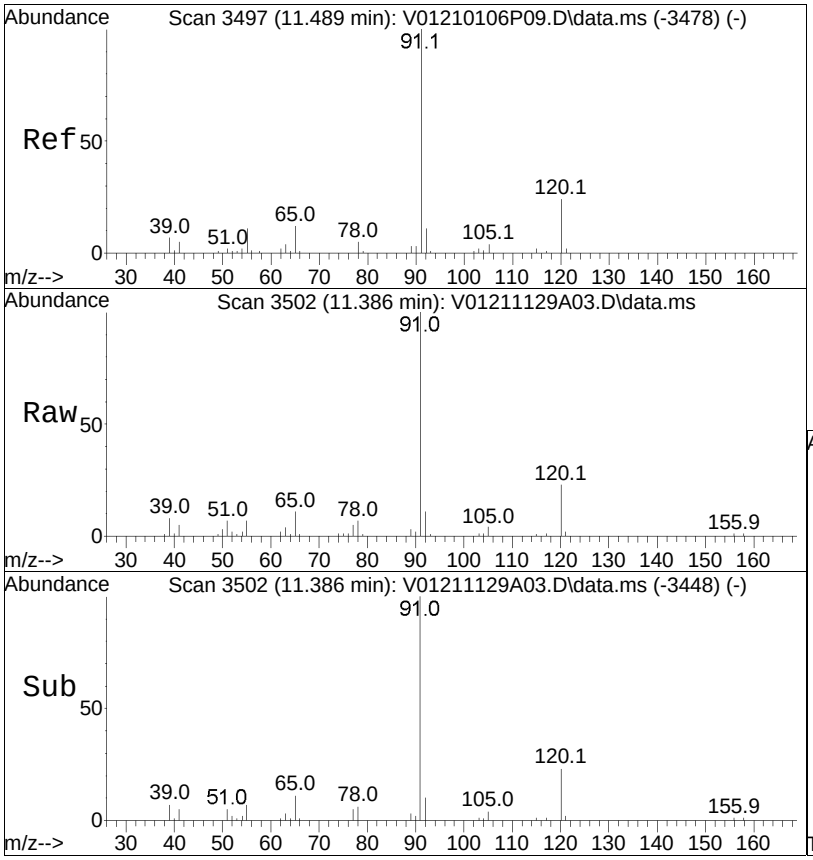


#84
Bromobenzene
Concen: 10.11 ug/L
RT: 11.350 min Scan# 3489
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:156 Resp: 135721

Ion	Ratio	Lower	Upper
156	100		
158	97.4	78.2	117.4

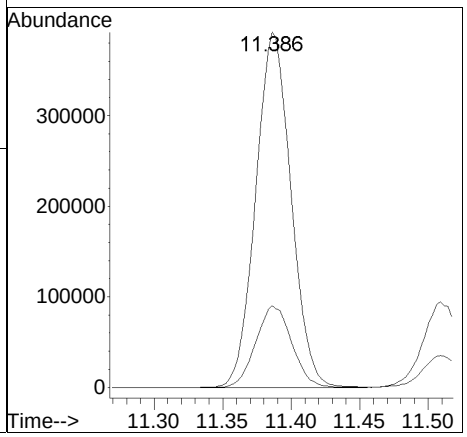


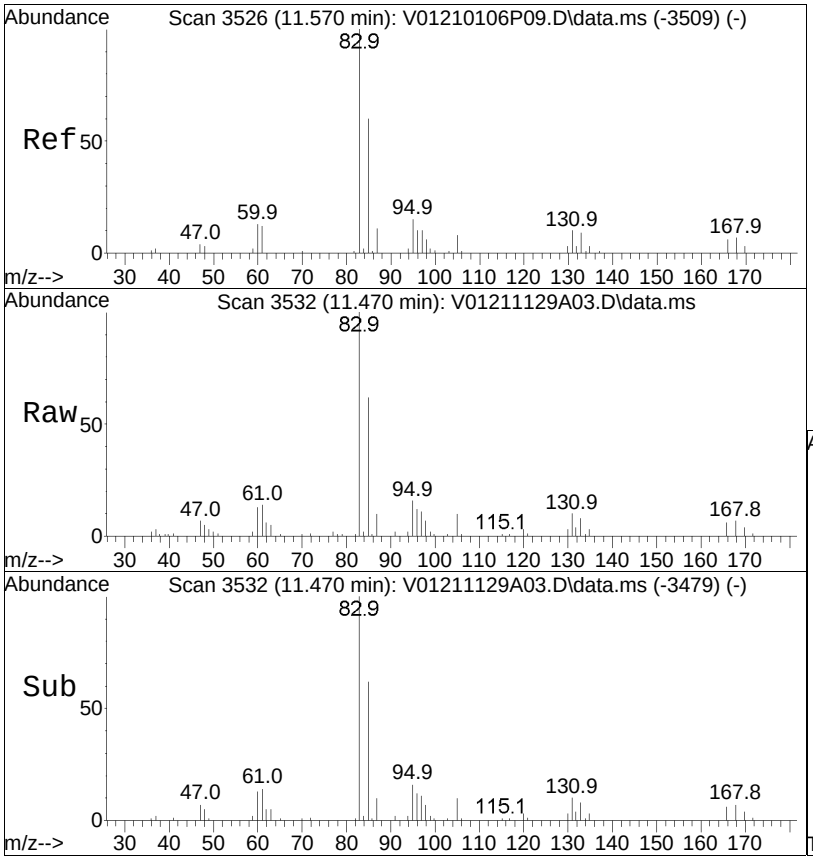


#85
n-Propylbenzene
Concen: 10.62 ug/L
RT: 11.386 min Scan# 3502
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 91 Resp: 702234

Ion	Ratio	Lower	Upper
91	100		
120	23.4	18.6	28.0

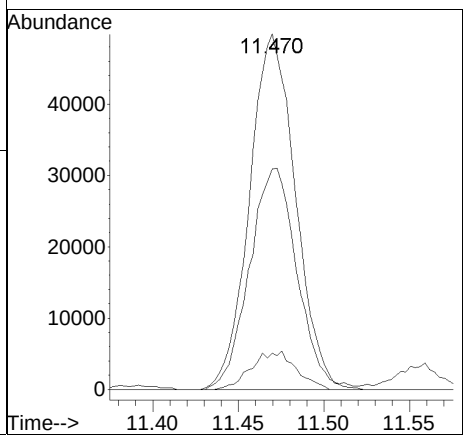


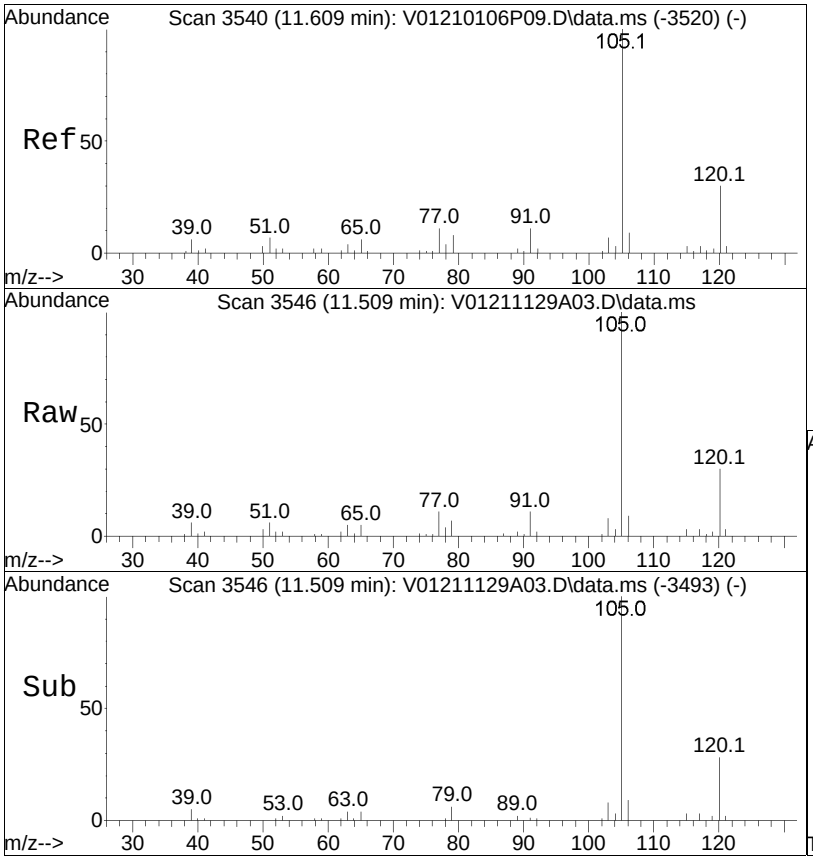


#87
1,1,2,2-Tetrachloroethane
Concen: 10.32 ug/L
RT: 11.470 min Scan# 3532
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 83 Resp: 92947

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.1
85	64.5	45.8	85.8

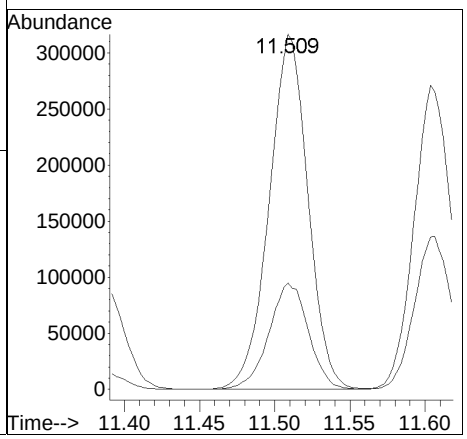


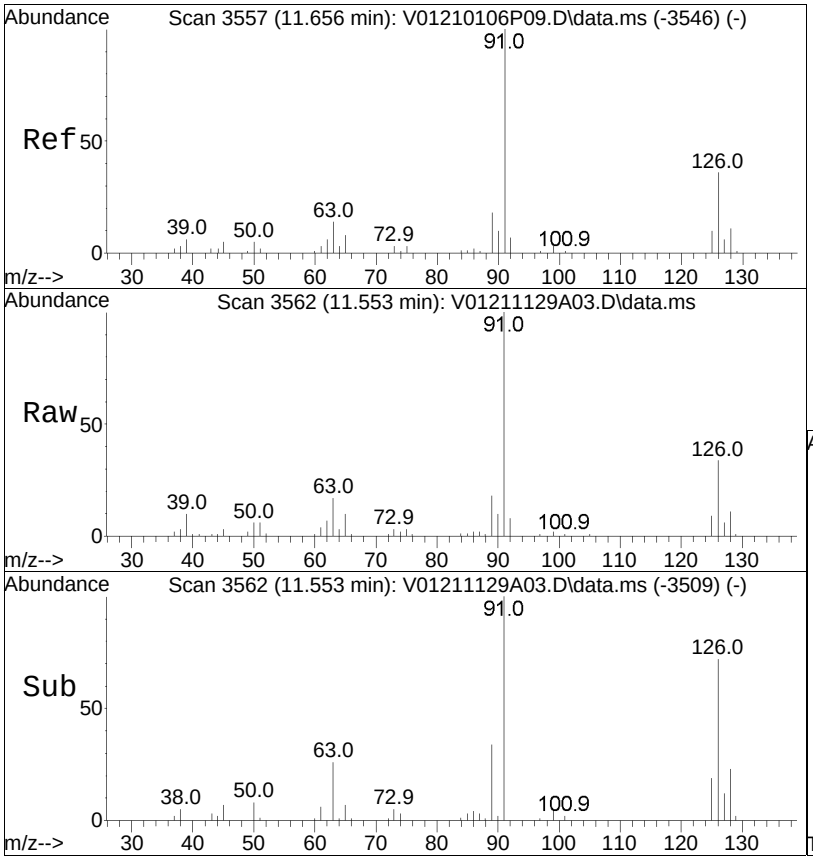


#88
4-Ethyltoluene
Concen: 10.35 ug/L
RT: 11.509 min Scan# 3546
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:105 Resp: 568292

Ion	Ratio	Lower	Upper
105	100		
120	30.5	19.8	41.0

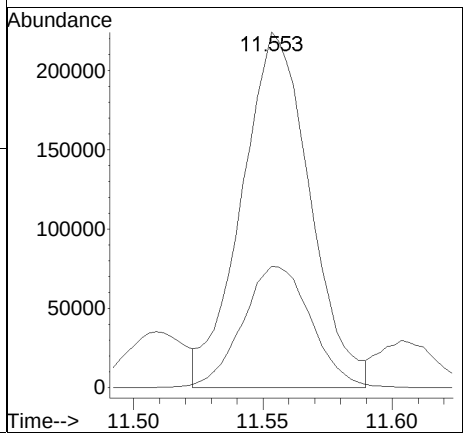


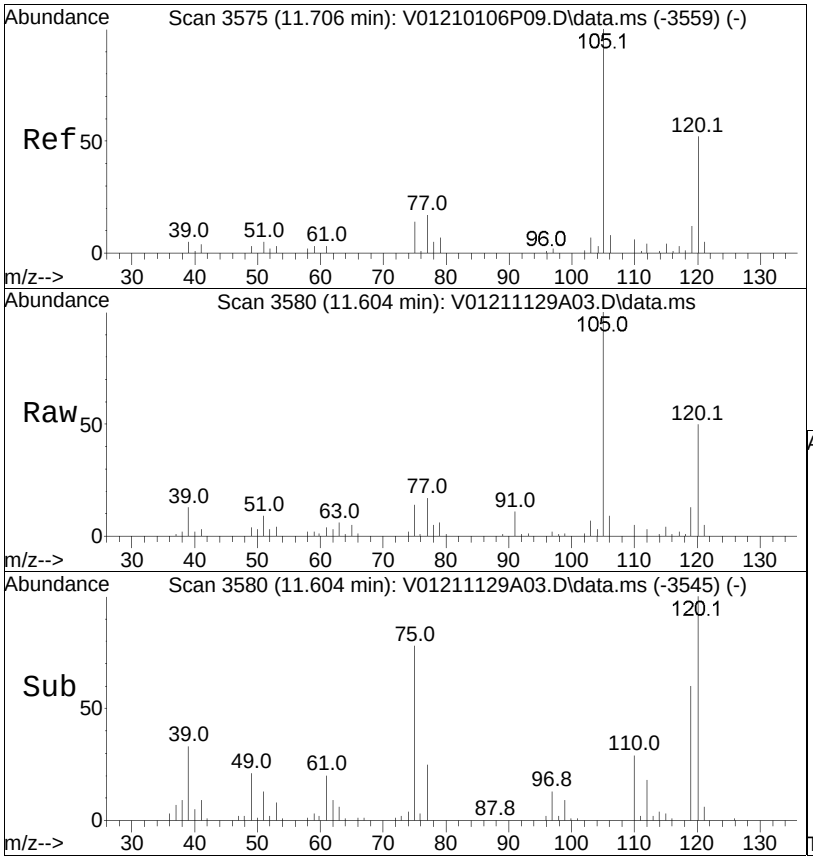


#89
2-Chlorotoluene
Concen: 10.60 ug/L M4
RT: 11.553 min Scan# 3562
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 91 Resp: 410661

Ion	Ratio	Lower	Upper
91	100		
126	34.3	27.1	40.7

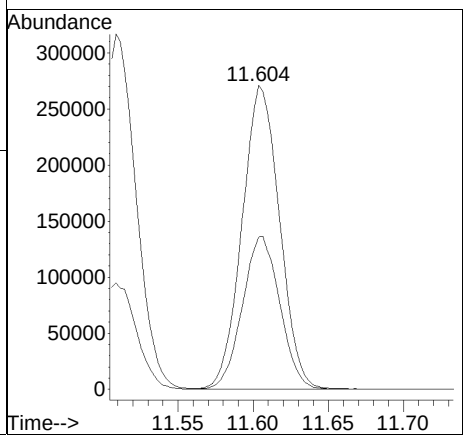


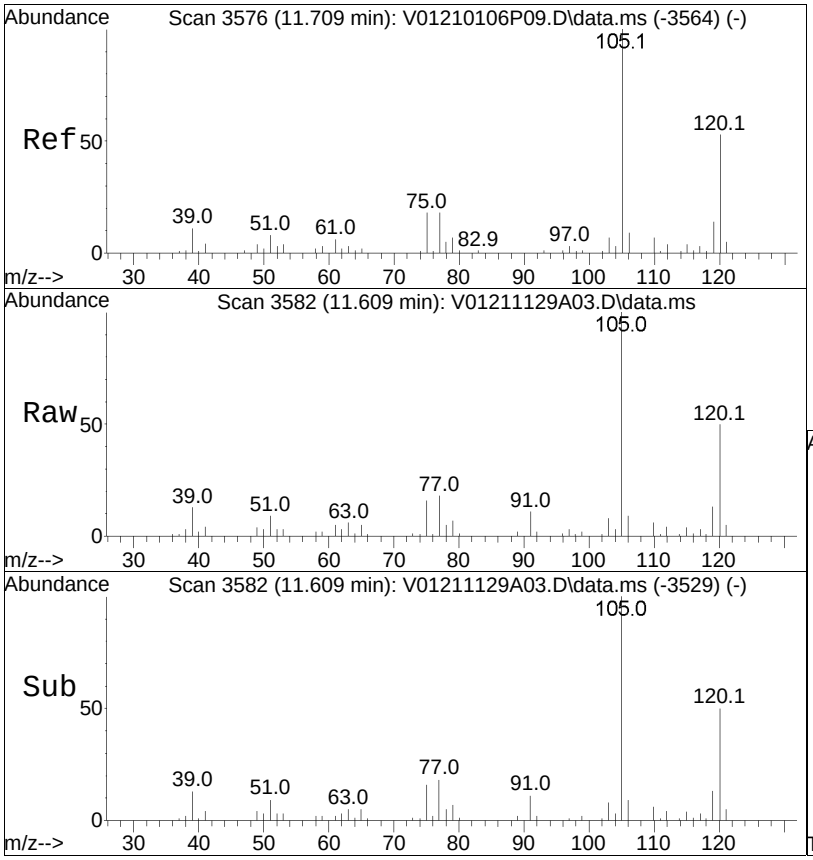


#90
1,3,5-Trimethylbenzene
Concen: 10.30 ug/L
RT: 11.604 min Scan# 3580
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:105 Resp: 468294

Ion	Ratio	Lower	Upper
105	100		
120	50.6	40.6	60.8

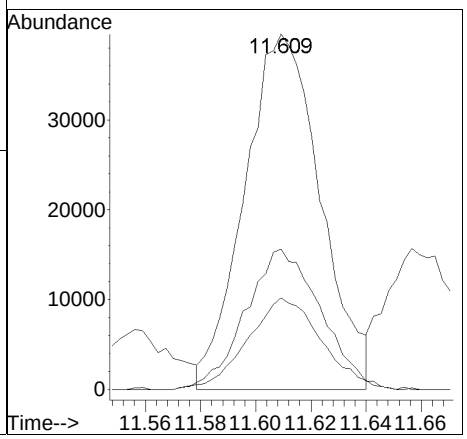


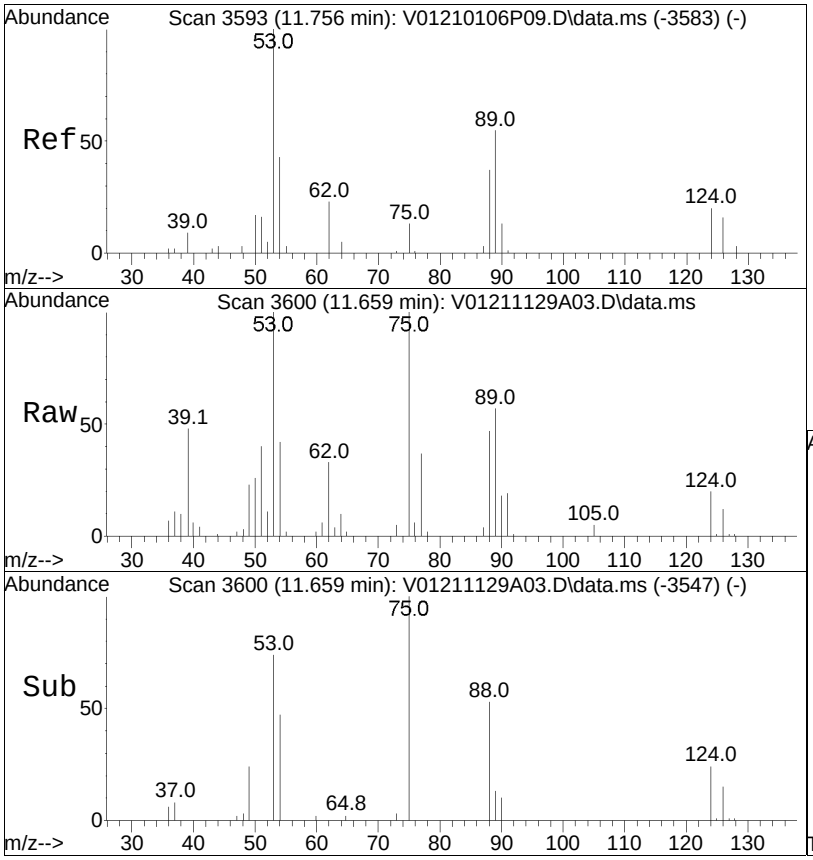


#91
1,2,3-Trichloropropane
Concen: 9.76 ug/L M1
RT: 11.609 min Scan# 3582
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 75 Resp: 75758

Ion	Ratio	Lower	Upper
75	100		
110	38.8	26.5	54.9
112	24.9	17.0	35.2

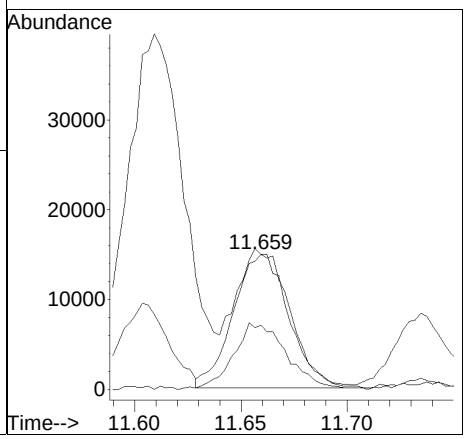


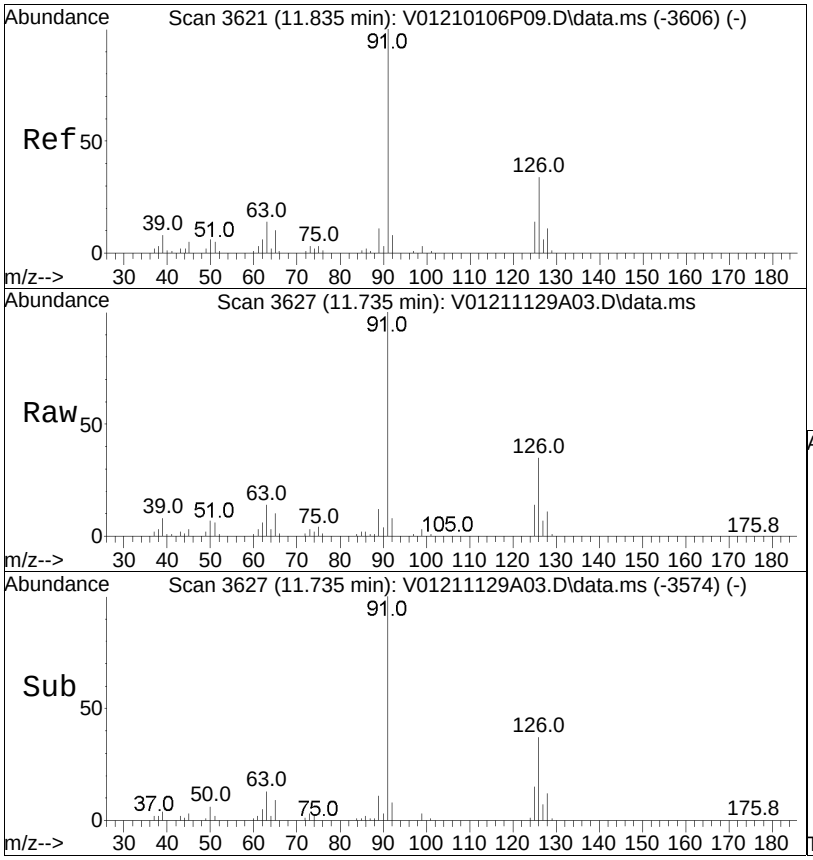


#92
trans-1,4-Dichloro-2-butene
Concen: 9.79 ug/L
RT: 11.659 min Scan# 3600
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 53 Resp: 27148

Ion	Ratio	Lower	Upper
53	100		
88	47.6	46.0	69.0
75	96.7	107.0	160.4#

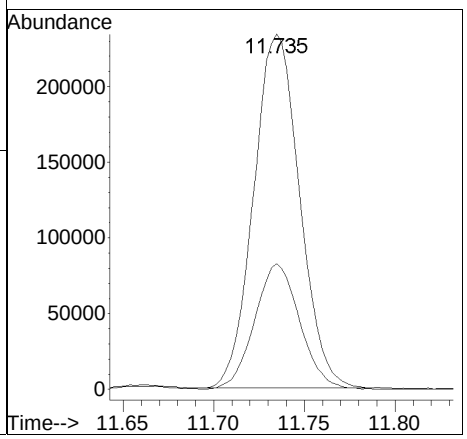


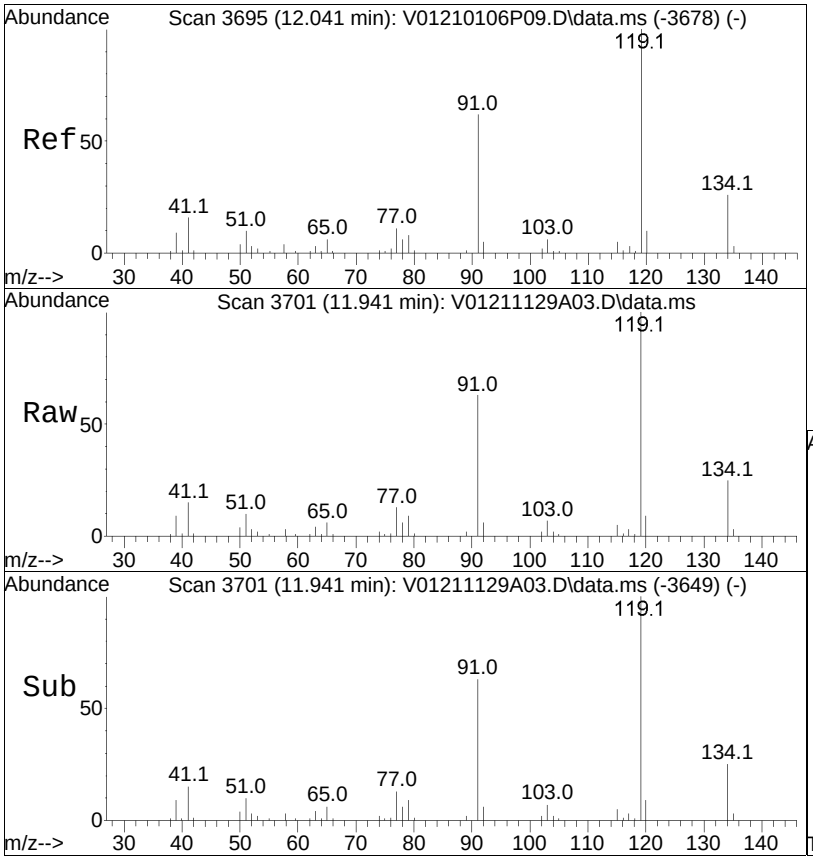


#93
4-Chlorotoluene
Concen: 10.33 ug/L
RT: 11.735 min Scan# 3627
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 91 Resp: 412715

Ion	Ratio	Lower	Upper
91	100		
126	34.6	28.2	42.2

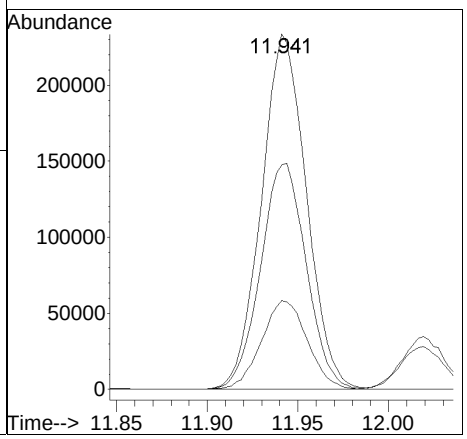


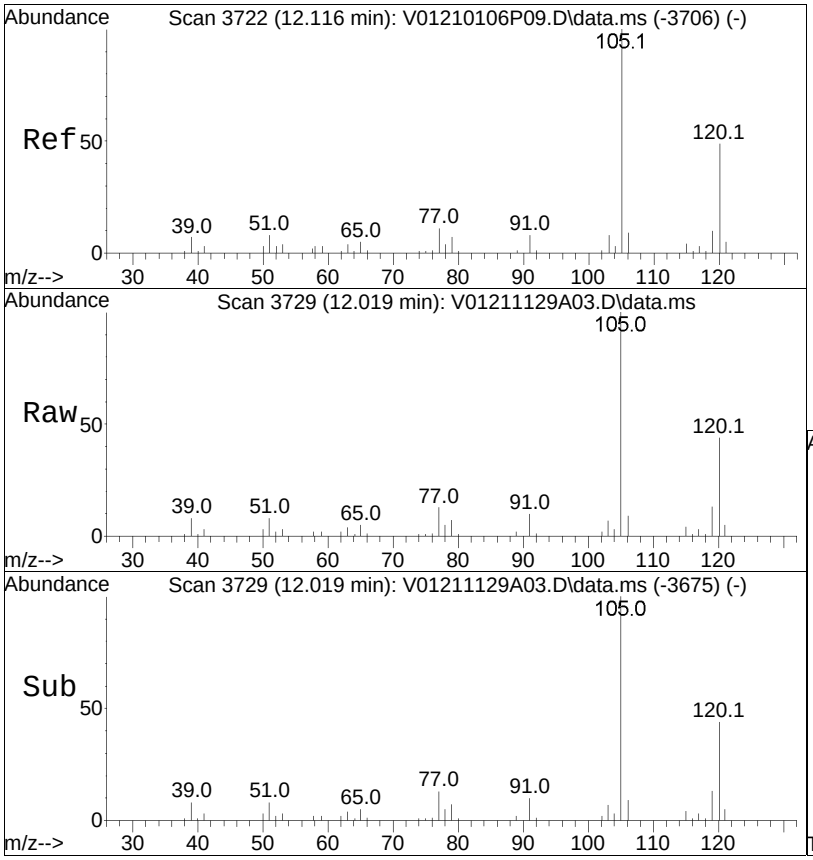


#94
tert-Butylbenzene
Concen: 10.58 ug/L
RT: 11.941 min Scan# 3701
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:119 Resp: 403336

Ion	Ratio	Lower	Upper
119	100		
91	64.7	52.5	78.7
134	25.5	20.9	31.3

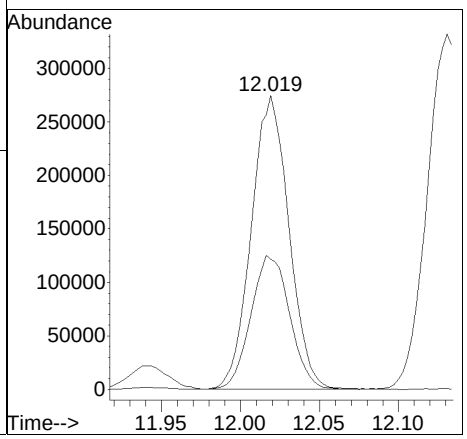


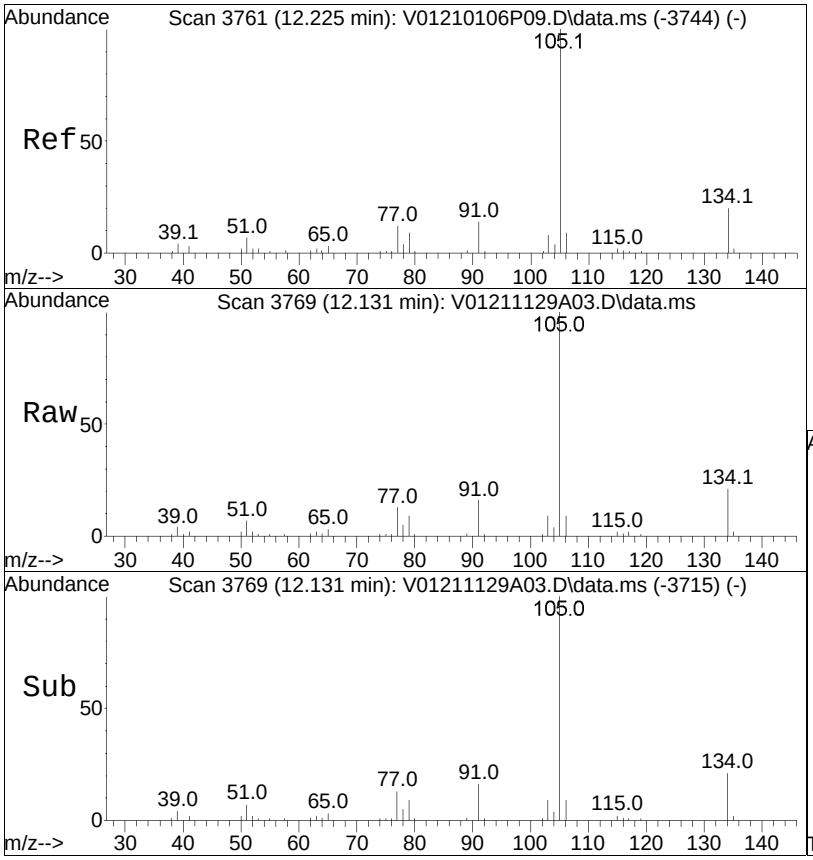


#97
1,2,4-Trimethylbenzene
Concen: 10.37 ug/L
RT: 12.019 min Scan# 3729
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:105 Resp: 454542

Ion	Ratio	Lower	Upper
105	100		
120	47.1	37.8	56.6

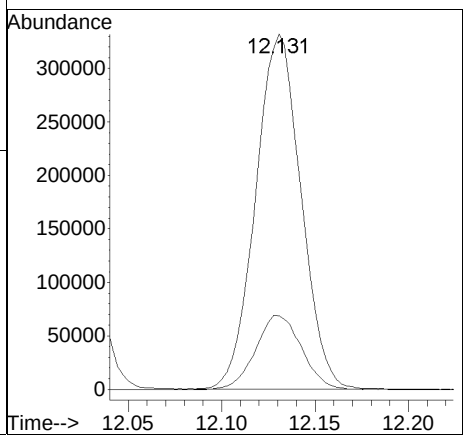


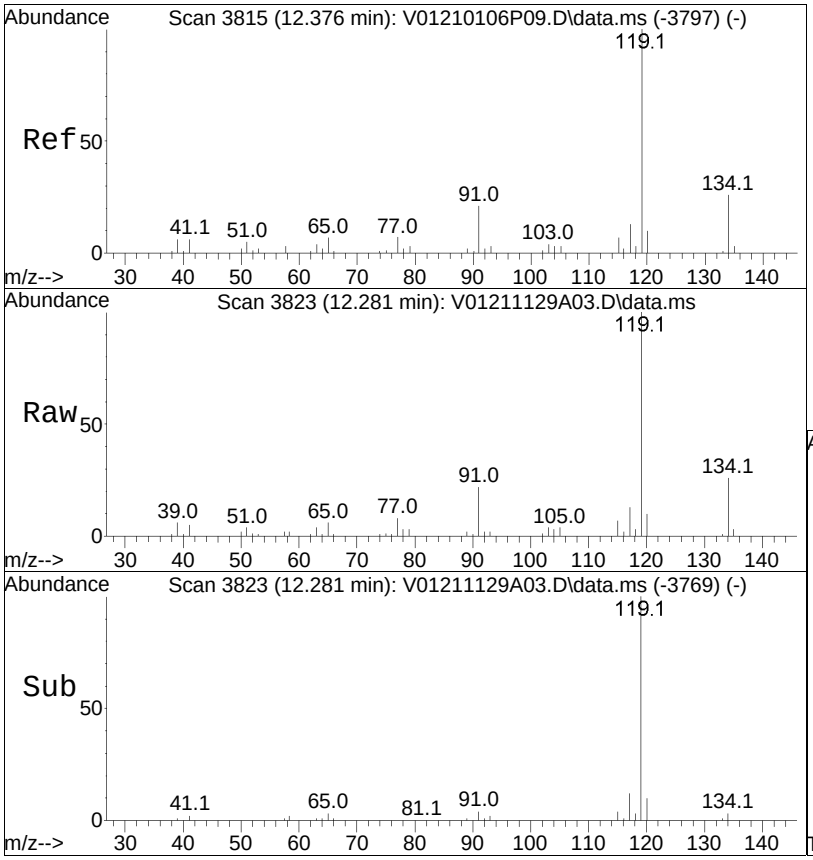


#98
sec-Butylbenzene
Concen: 10.68 ug/L
RT: 12.131 min Scan# 3769
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:105 Resp: 559126

Ion	Ratio	Lower	Upper
105	100		
134	21.1	14.0	29.0

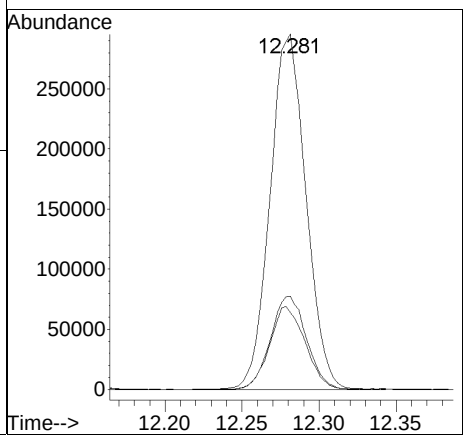


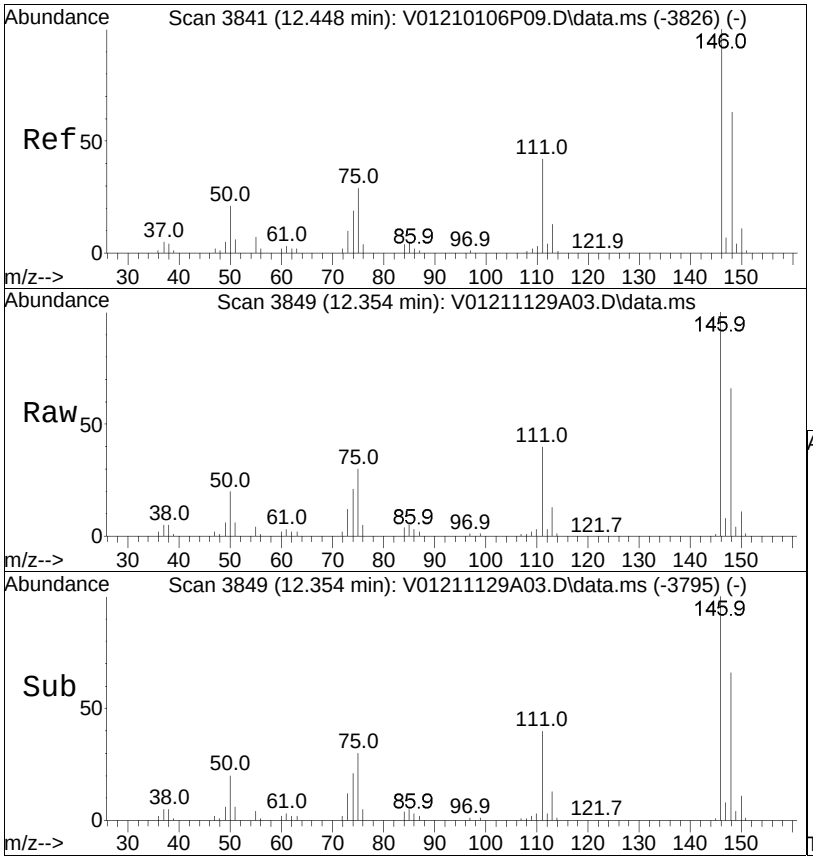


#99
p-Isopropyltoluene
Concen: 10.59 ug/L
RT: 12.281 min Scan# 3823
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:119 Resp: 479549

Ion	Ratio	Lower	Upper
119	100		
134	26.3	17.7	36.7
91	23.1	15.4	32.0

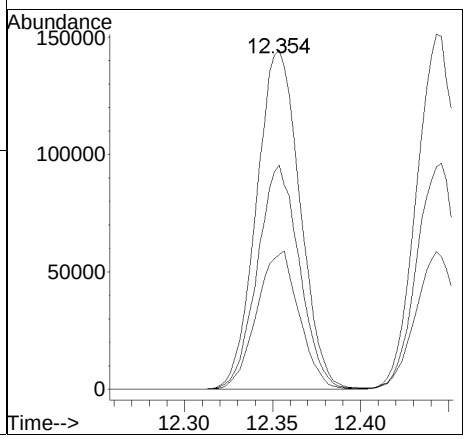


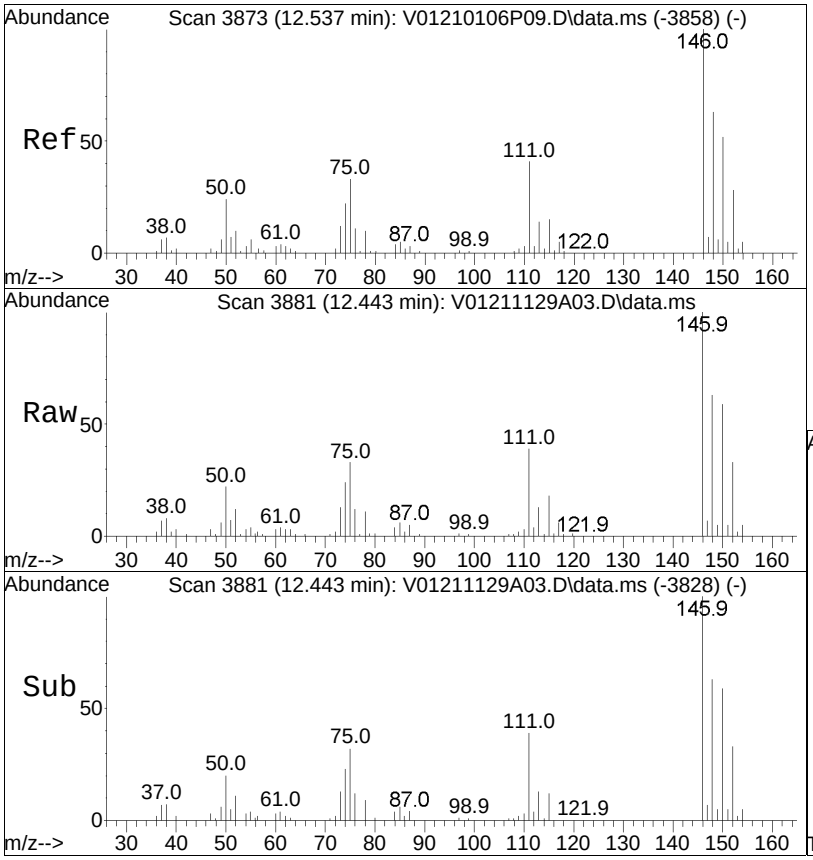


#100
1,3-Dichlorobenzene
Concen: 10.18 ug/L
RT: 12.354 min Scan# 3849
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:146 Resp: 248508

Ion	Ratio	Lower	Upper
146	100		
111	39.8	25.9	53.9
148	64.0	41.5	86.3

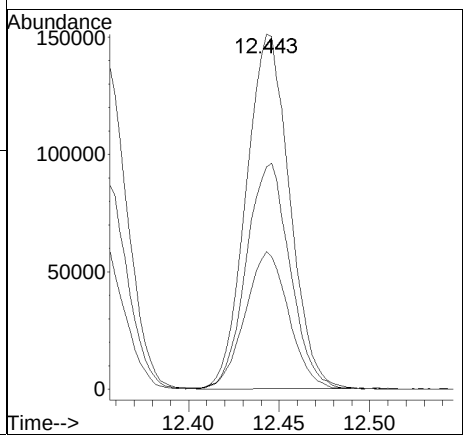


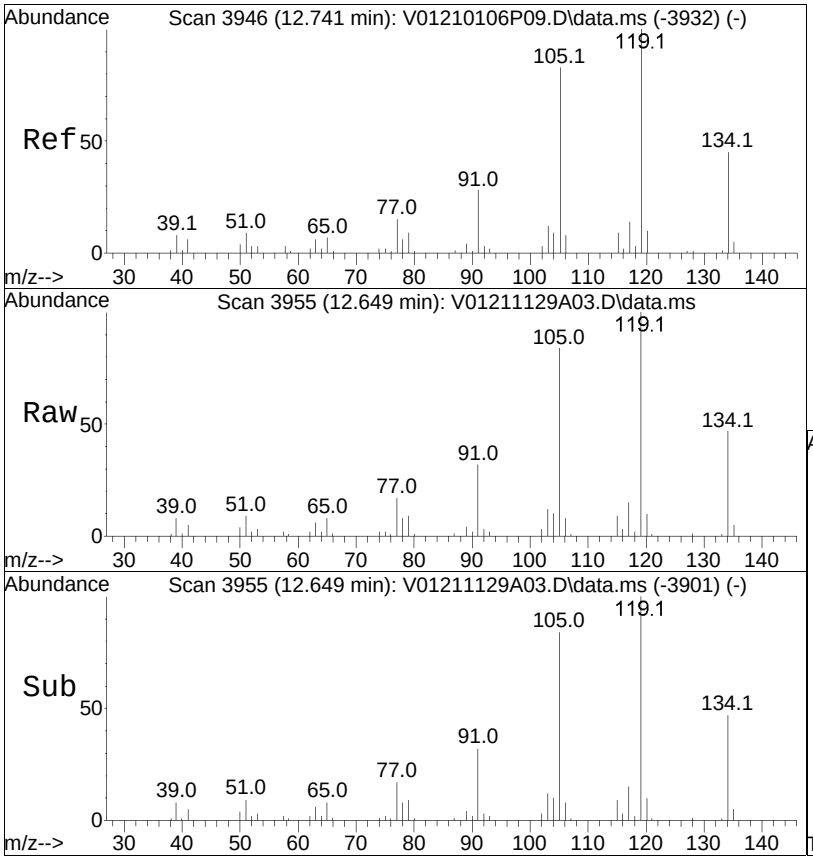


#101
1,4-Dichlorobenzene
Concen: 10.17 ug/L
RT: 12.443 min Scan# 3881
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:146 Resp: 252005

Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.7	47.5
148	64.1	51.5	77.3

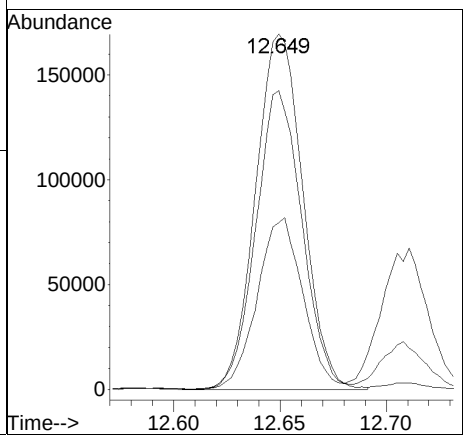


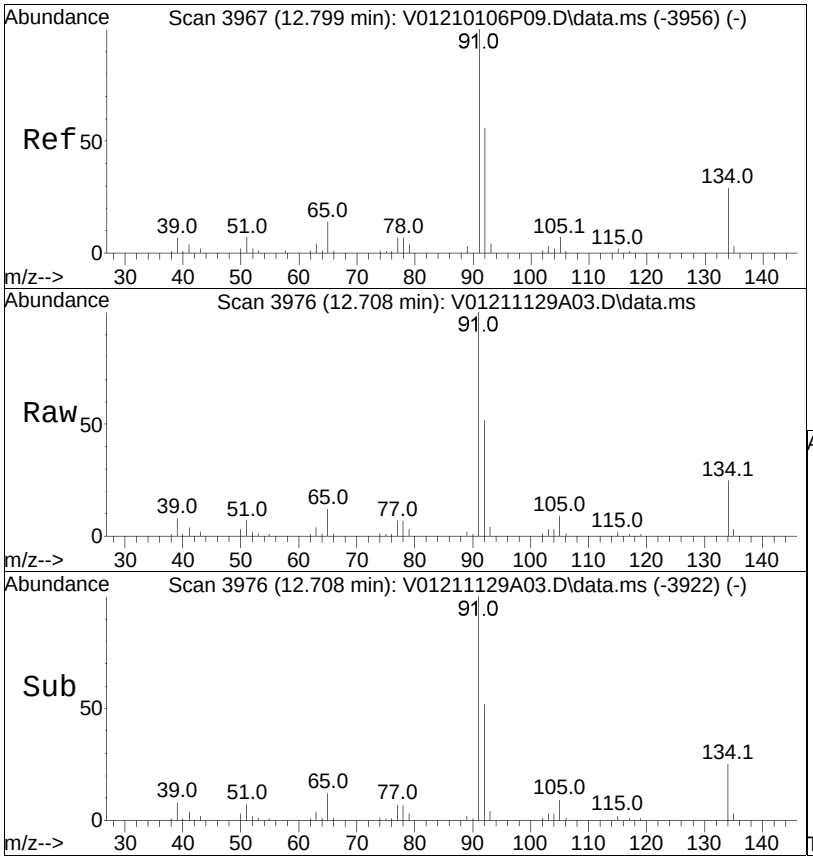


#102
p-Diethylbenzene
Concen: 10.31 ug/L
RT: 12.649 min Scan# 3955
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:119 Resp: 262821

Ion	Ratio	Lower	Upper
119	100		
105	81.7	54.1	112.3
134	46.7	31.5	65.3

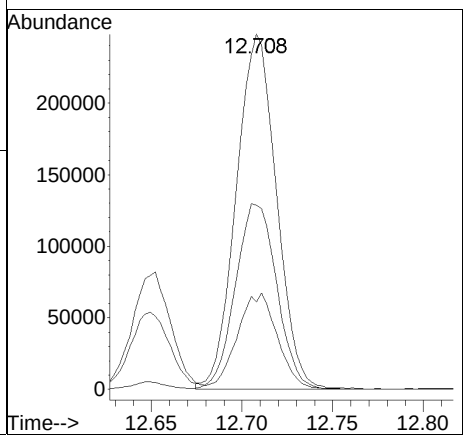


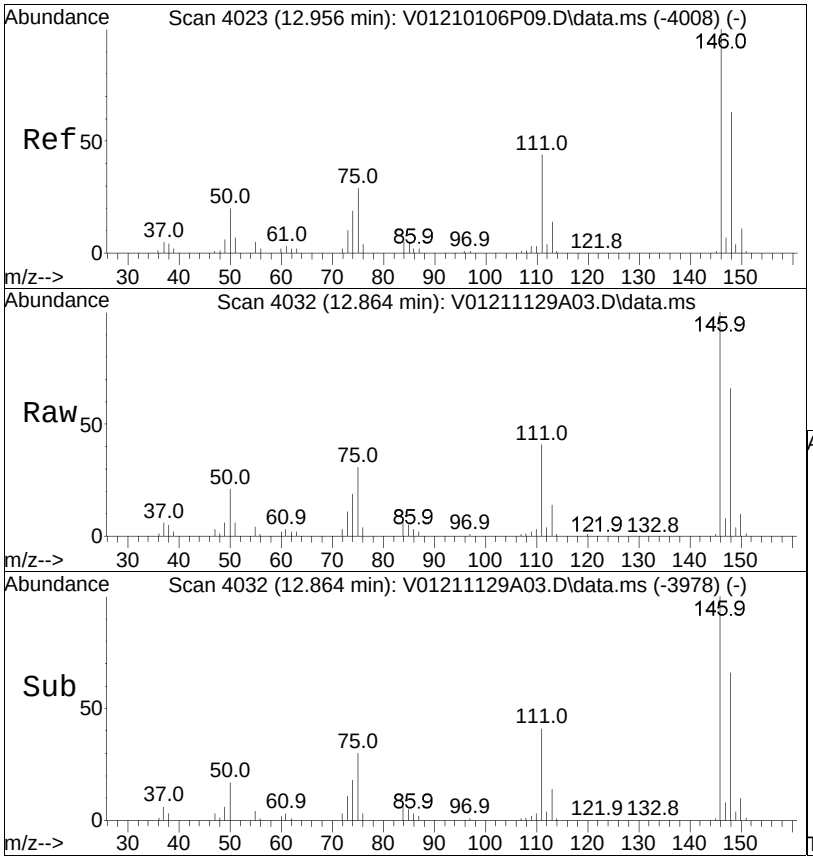


#103
n-Butylbenzene
Concen: 10.73 ug/L
RT: 12.708 min Scan# 3976
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion: 91 Resp: 383124

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.7	65.5
134	27.1	22.1	33.1

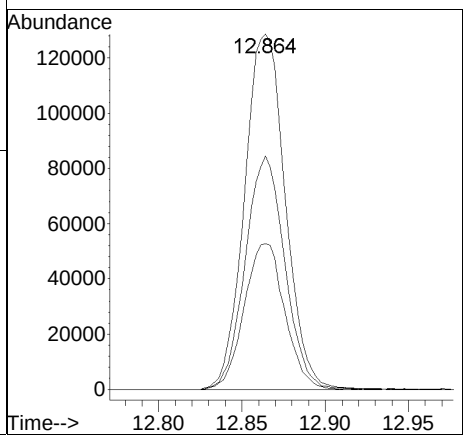


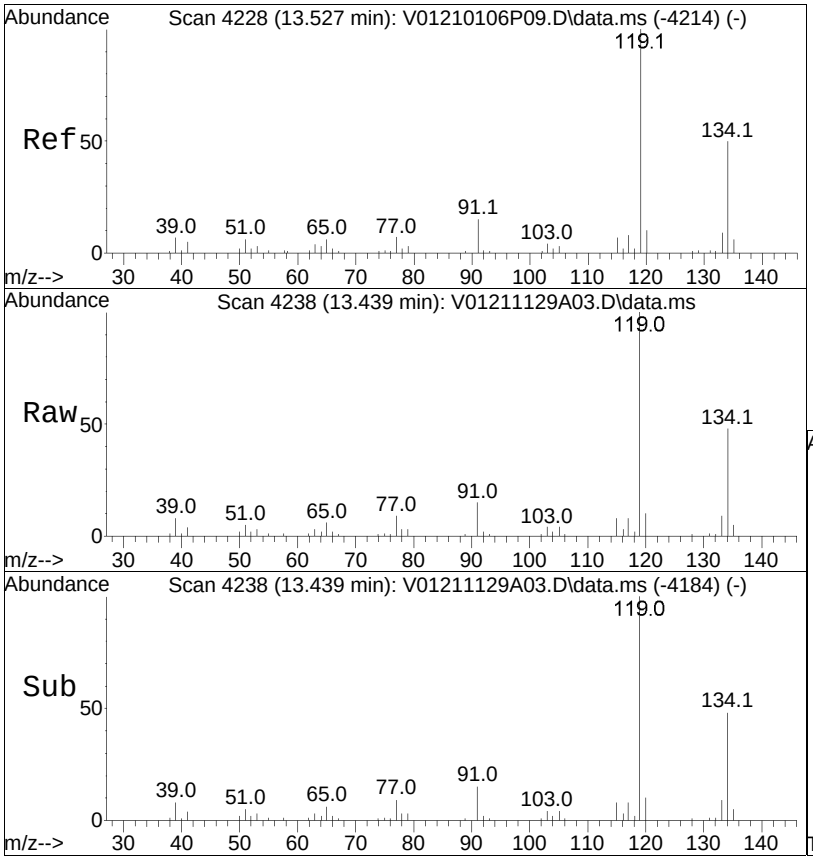


#104
1,2-Dichlorobenzene
Concen: 10.13 ug/L
RT: 12.864 min Scan# 4032
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:146 Resp: 219453

Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.8	55.8
148	63.7	41.6	86.4

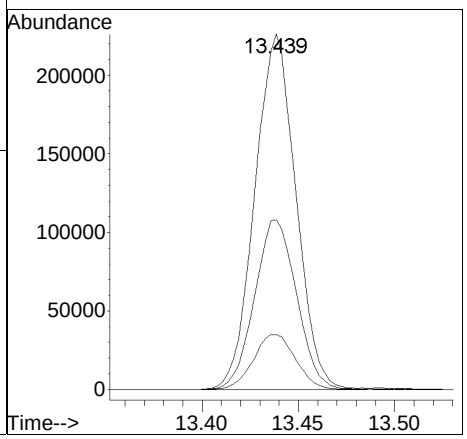


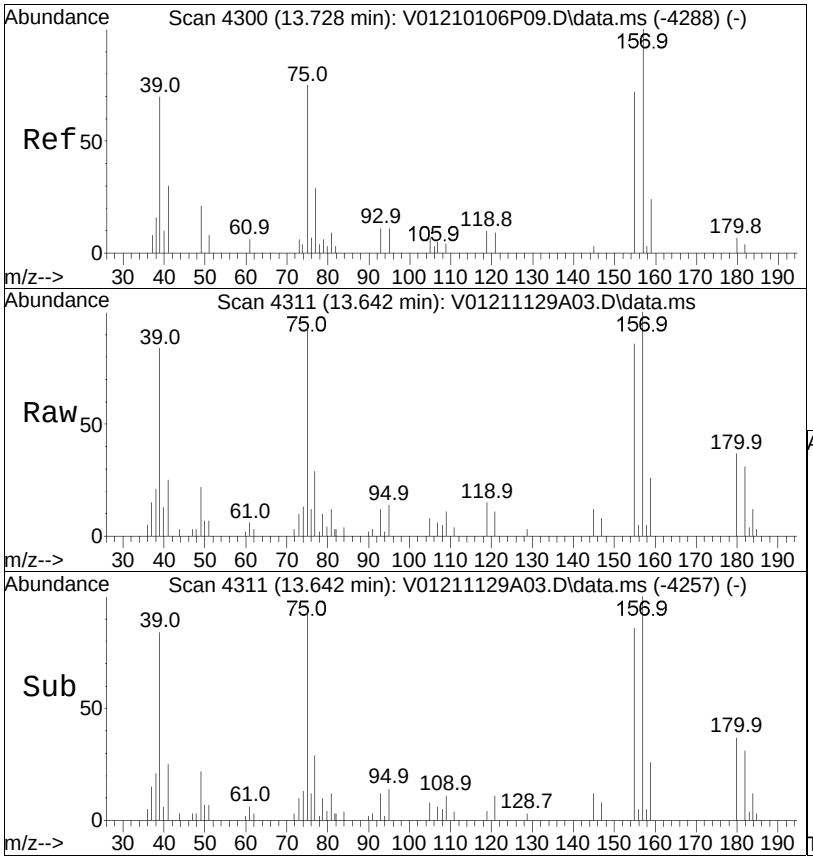


#105
1,2,4,5-Tetramethylbenzene
Concen: 9.45 ug/L
RT: 13.439 min Scan# 4238
Delta R.T. 0.001 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:119 Resp: 334942

Ion	Ratio	Lower	Upper
119	100		
134	48.8	31.9	66.1
91	15.9	10.3	21.5

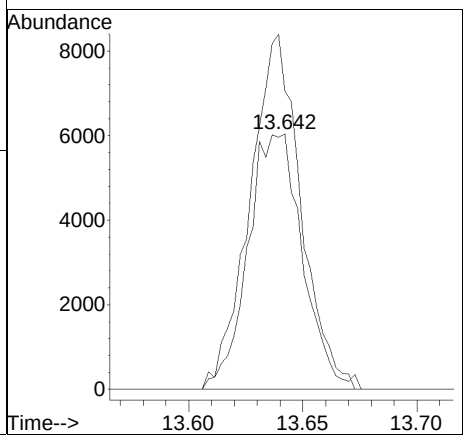


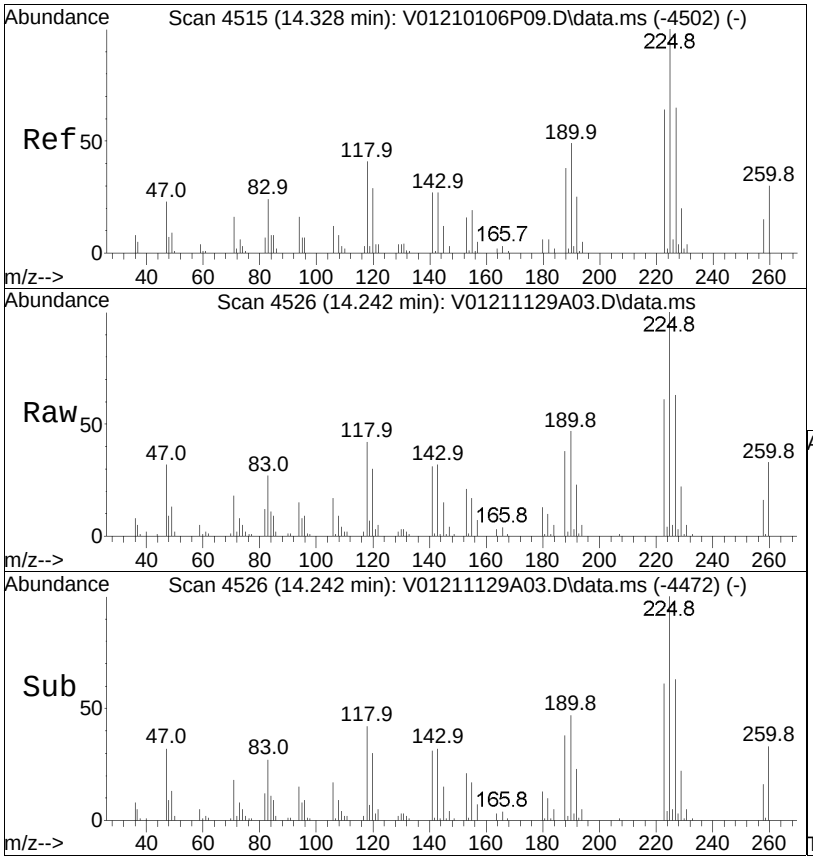


#106
1,2-Dibromo-3-chloropropane
Concen: 8.76 ug/L
RT: 13.642 min Scan# 4311
Delta R.T. 0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:155 Resp: 10074

Ion	Ratio	Lower	Upper
155	100		
157	129.3	101.1	151.7

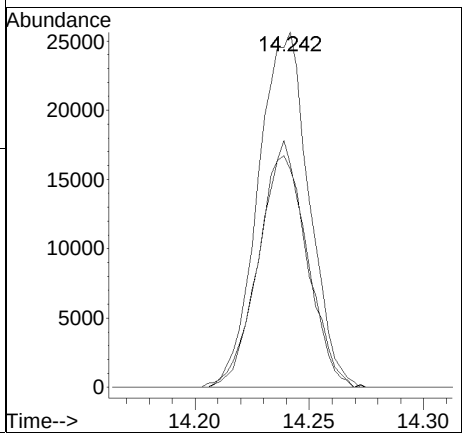


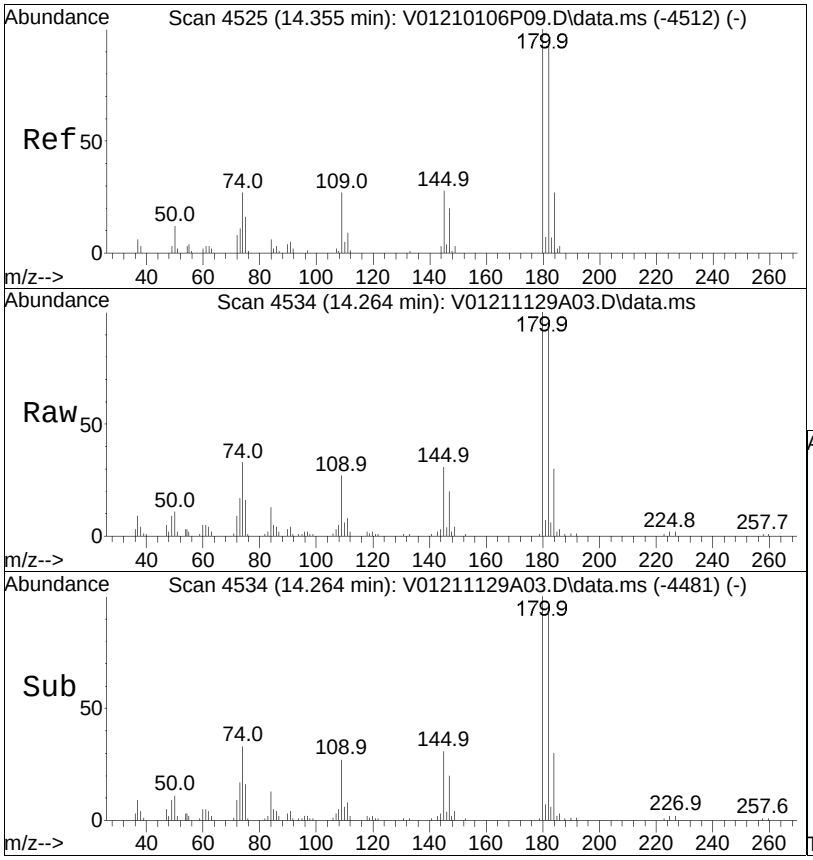


#108
Hexachlorobutadiene
Concen: 9.75 ug/L
RT: 14.242 min Scan# 4526
Delta R.T. -0.000 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:225 Resp: 39902

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.0	76.4
227	64.6	52.2	78.4

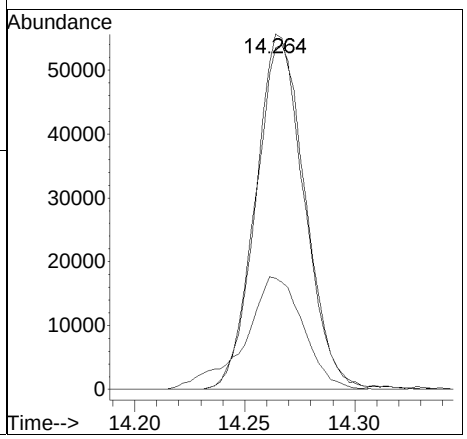


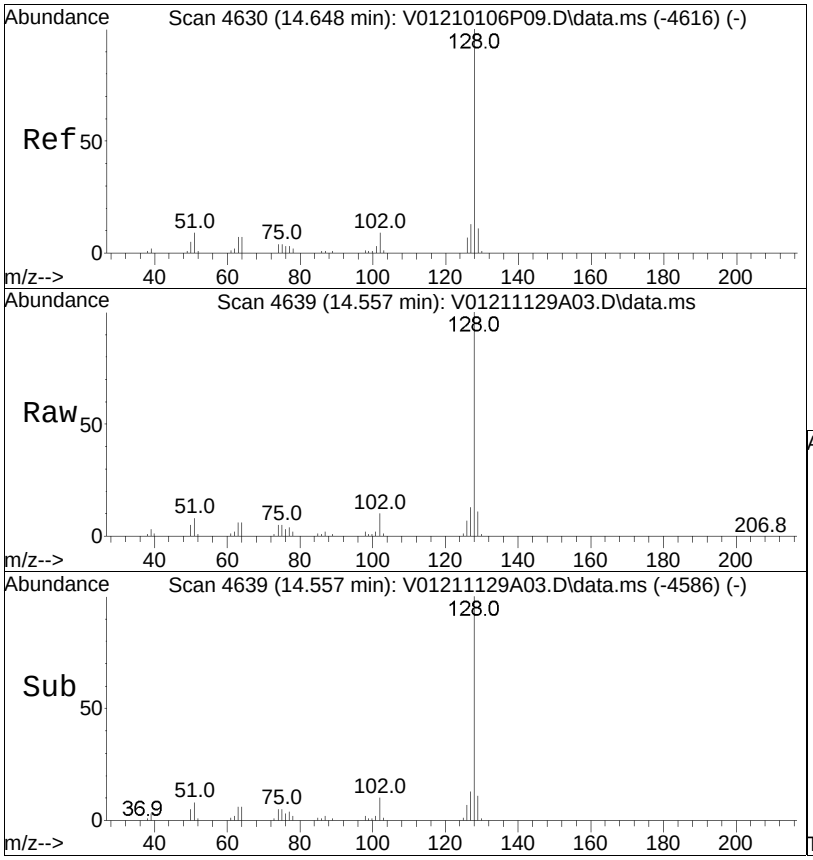


#109
1,2,4-Trichlorobenzene
Concen: 8.71 ug/L
RT: 14.264 min Scan# 4534
Delta R.T. -0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:180 Resp: 87308

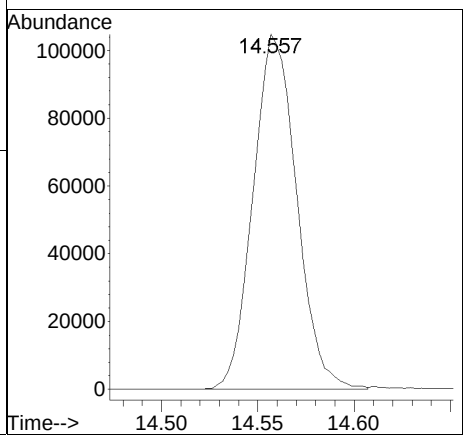
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.8
145	37.4	26.1	39.1

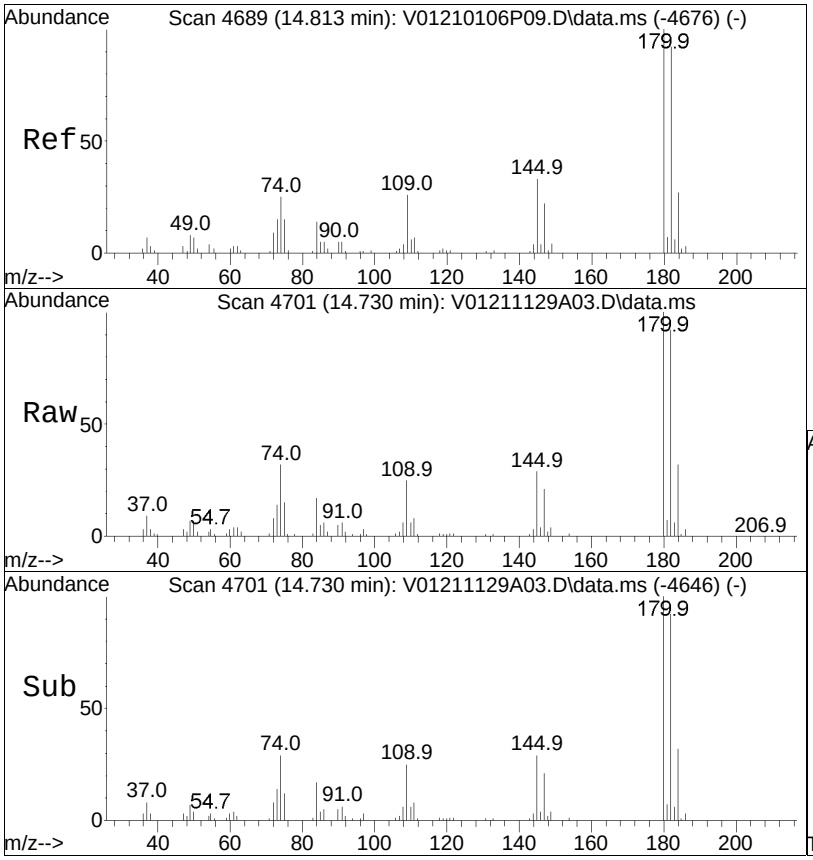




#110
Naphthalene
Concen: 7.85 ug/L
RT: 14.557 min Scan# 4639
Delta R.T. -0.002 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:128 Resp: 165110

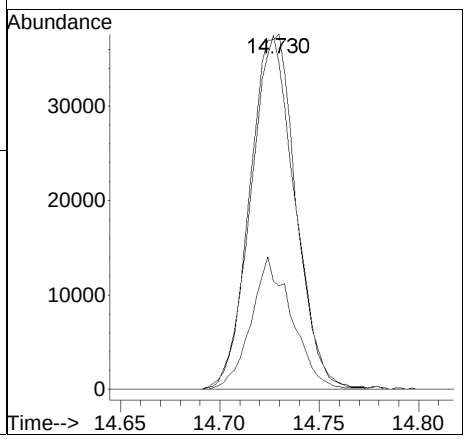




#111
1,2,3-Trichlorobenzene
Concen: 7.90 ug/L
RT: 14.730 min Scan# 4701
Delta R.T. 0.003 min
Lab File: V01211129A03.D
Acq: 29 Nov 2021 7:47 am

Tgt Ion:180 Resp: 60742

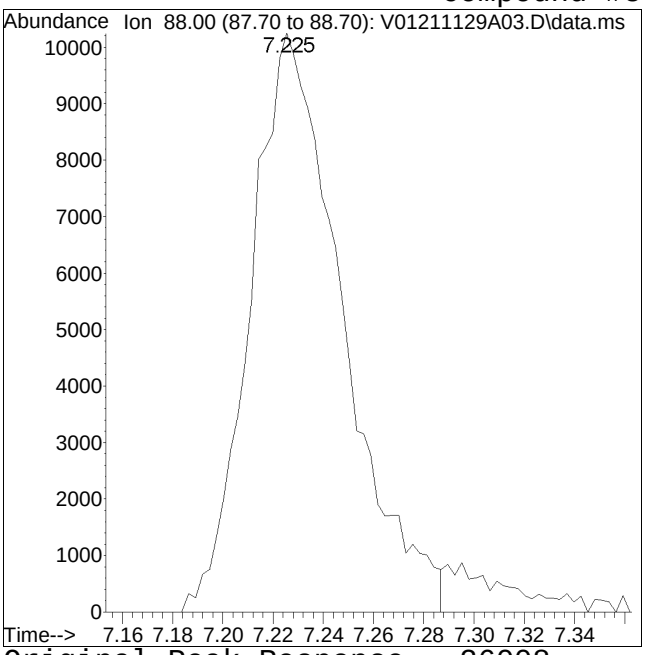
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.4	113.0
145	33.1	25.0	37.6



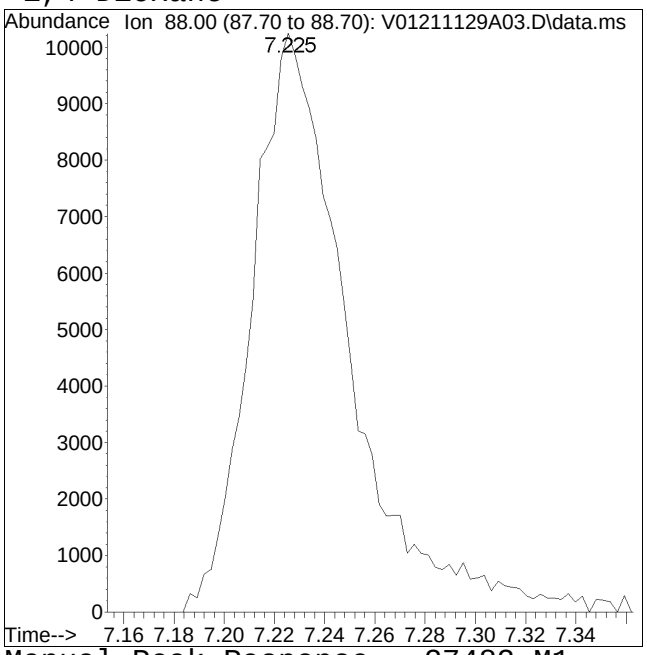
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A03.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:47 am Instrument : VOA 101
Sample : WG1577201-4,31,10,10 Quant Date : 11/29/2021 8:25 am

Compound #57: 1,4-Dioxane



Original Peak Response = 26008



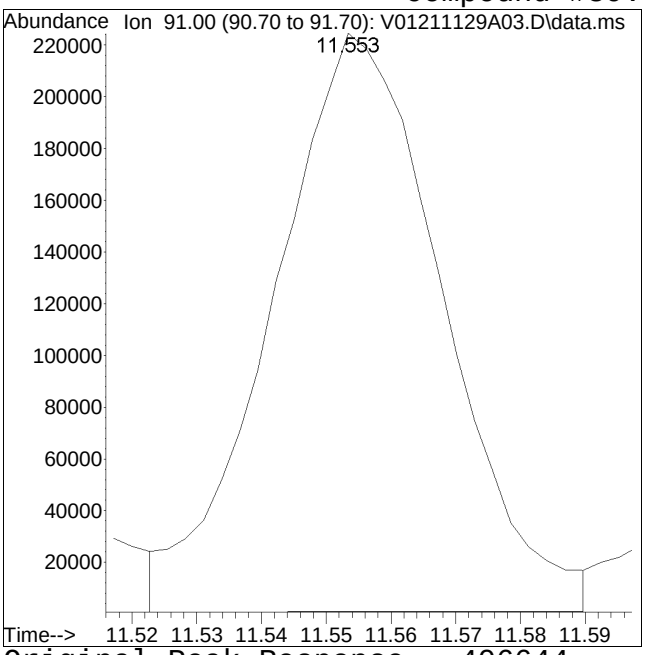
Manual Peak Response = 27482 M1

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

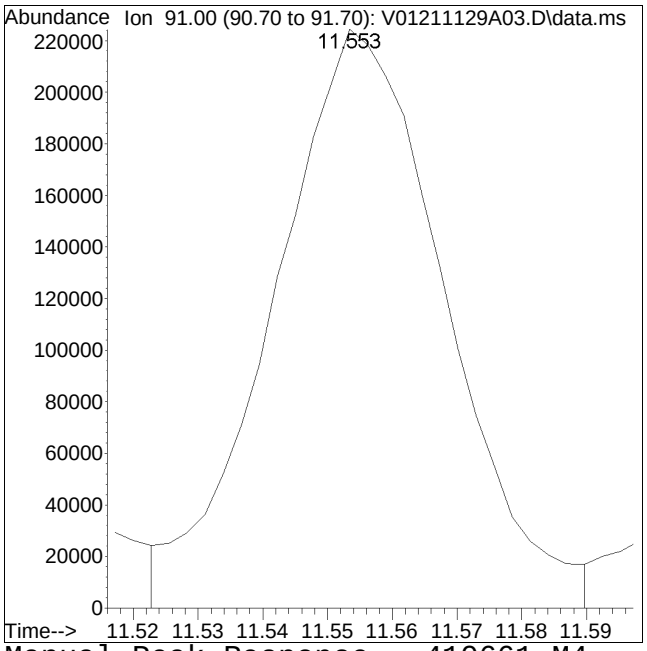
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A03.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:47 am Instrument : VOA 101
Sample : WG1577201-4,31,10,10 Quant Date : 11/29/2021 8:25 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 406644



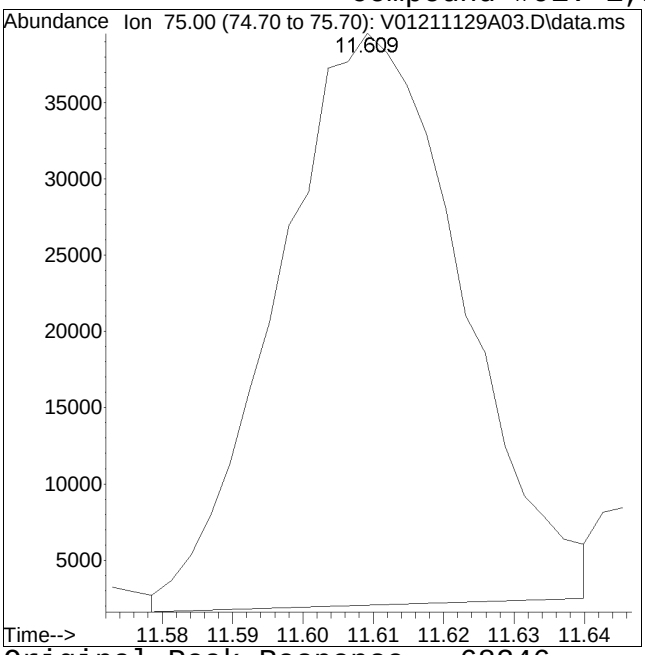
Manual Peak Response = 410661 M4

M4 = Poor automated baseline construction.

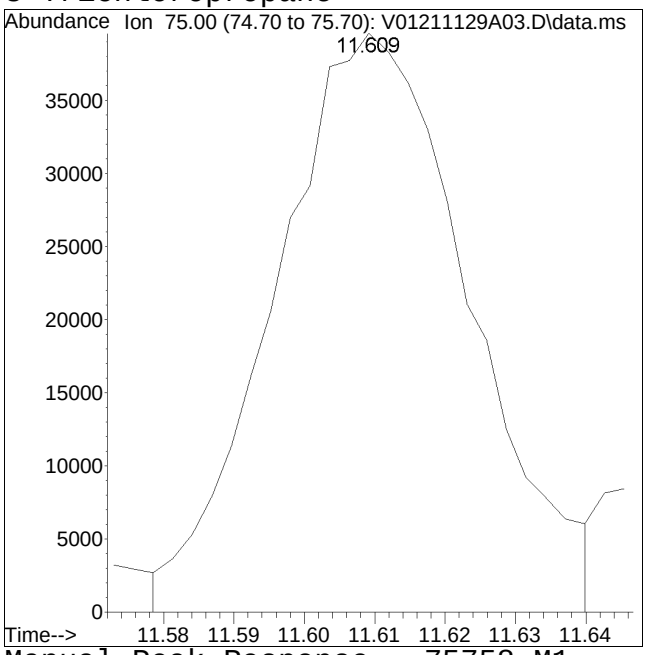
Manual Integration Report

Data Path : I:\VOLATILES\VOA101\2021\2QMethod : V101_211104A_8260D.m
Data File : V01211129A03.D Operator : VOA101:PD
Date Inj'd : 11/29/2021 7:47 am Instrument : VOA 101
Sample : WG1577201-4,31,10,10 Quant Date : 11/29/2021 8:25 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 68246



Manual Peak Response = 75758 M1

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

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 03 2021, 12:39 pm

Work Group: WG1577201 for Department: 31 GC/MS - Volatiles

Created: 30-NOV-21 Due: Operator: NLK

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2163944-01	MW-5I	S	NYTCL-8260	WATER	DONE	U	1202	1206	S0	Vial-B
L2163944-02	MW-6	S	NYTCL-8260	WATER	DONE	U	1202	1206	S0	Vial-B
L2163944-03	FIELD BLANK	S	NYTCL-8260	WATER	DONE	U	1202	1206	S0	Vial-B
L2163944-04	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	1129	1206	S0	Vial-B
WG1577201-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1577201-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1577201-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1577201-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1577201-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1577201-4 WG1577201-3

Inst: VOA101 BFB: V8654 Method GC: 8260

Initials: TAB IS/SS: V8663 Autosampler: 8260water

Date: **11/04/21** ICAL: V8670C,V8678,V8674 Concentrator: 8260water

Run: **A** ICV: V8648,V8673,V8622,V8679,V8579,V8680,V8675 QC: Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	V01211104BFB	BFB TUNE	
1	V01211104A01	BLANK	
2	V01211104A02	BLANK	
3	V01211104A03	I8260STD0.19PPB	
4	V01211104A04	I8260STD0.19PPB	
5	V01211104A05	I8260STD0.5PPB	
6	V01211104A06	I8260STD0.5PPB	
7	V01211104A07	I8260STD2PPB	
8	V01211104A08	I8260STD2PPB	
9	V01211104A09	I8260STD10PPB	
10	V01211104A10	I8260STD30PPB	
11	V01211104A11	I8260STD80PPB	
12	V01211104A12	I8260STD120PPB	
13	V01211104A13	I8260STD200PPB	
14	V01211104A14	BLANK	
15	V01211104A15	BLANK	
16	V01211104A16	BLANK	
17	V01211104A17	BLANK	
18	V01211104A18	BLANK	
19	V01211104A19	C8260STD10PPB	
20	V01211104A20	C8260STD10PPB	
21	V01211104A21	BLANK	
22	V01211104A22	BLANK	
23	V01211104A23	MB	
24	V01211104A24	MDL L11	
25	V01211104A25	MDL L1	
26	V01211104A26	MDL L2	
27	V01211104A27	MDL L3	
28	V01211104A28	BLANK	

Inst: VOA101 BFB: V8718
Initials: PD IS/SS: V8724
Date: **11/29/21** ICAL: V8726C,V8727
Run: **A**

Method
GC: 8260
Autosampler: 8260water
Concentrator: 8260water

QC: Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	V01211129ABF1	BFB TUNE 06:46			
1	V01211129A01	8260 CCAL MISINJ			
2	V01211129A02	8260 CCAL LCS			
3	V01211129A03	8260 CCAL LCSD			
4	V01211129A04	BLK			
5	V01211129A05	BLK			
6	V01211129A06	METHOD BLK			
7	V01211129A07	L2165121-03,31,10,10,,A,PRI	NJCURVE/15	FB	pH<2
8	V01211129A08	L2164536-10,31,10,10,,A,PRI	NJ/15/JB	FB	pH<2
9	V01211129A09	L2164536-31,31,10,10,,A	NJ/15/JB	TB	pH<2
10	V01211129A10	L2164729-04,31,10,10,,A,PRI	NJ/15	FB	pH<2
11	V01211129A11	L2164729-05,31,10,10,,A,PRI	NJ/15	TB	pH<2
12	V01211129A12	L2164729-01,31,10,10,,A,PRI	NJ/15		pH<2
13	V01211129A13	L2164729-02,31,10,10,,A,PRI	NJ/15		pH<2
14	V01211129A14	L2164729-03,31,10,10,,A,PRI	NJ/15		pH<2
15	V01211129A15	BLK			
16	V01211129A16	L2163944-03,31,10,10,,A,PRI	NYTCL/15	FB	pH<2
17	V01211129A17	L2163944-04,31,10,10,,A,PRI	NYTCL/15	TB	pH<2
18	V01211129A18	L2163944-01D,31,5.0,10,,A,PRI	NYTCL/15		pH<2
19	V01211129A19	L2163944-02D,31,4.0,10,,A,PRI	NYTCL/15		pH<2
20	V01211129A20	BLK			
21	V01211129A21	L2164530-01,31,10,10,,A,PRI	NJ/15		pH<2
22	V01211129A22	L2164530-02,31,10,10,,A,PRI	NJ/15		pH<2
23	V01211129A23	L2164530-03,31,10,10,,A,PRI	NJ/15		pH<2
24	V01211129A24	L2164530-04,31,10,10,,A,PRI	NJ/15		pH<2
25	V01211129A25	L2164530-06,31,10,10,,A,PRI	NJ/15		pH<2
26	V01211129A26	L2164530-07,31,10,10,,A,PRI	NJ/15	FB	pH<2
27	V01211129A27	L2164530-08,31,10,10,,A,PRI	NJ/15	TB	pH<2
28	V01211129A28	L2164530-05D,31,2.5,10,,A,PRI	NJ/15		pH<2
29	V01211129A29	L2164530-05DUP,31,2.5,10,,A,PRI	NJQC		pH<2
30	V01211129A30	L2164530-05MS,31,2.5,10,,A,PRI	NJQC		pH<2
31	V01211129A31	HSTD			
32	V01211129A32	BLK			
33	V01211129A33	BLK			

ANALYTICAL REPORT

Lab Number:	L2163567
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Patricia Petrino
Phone:	(973) 808-9050
Project Name:	SPIC AND SPAN CLEANERS
Project Number:	11663
Report Date:	12/06/21

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663

Lab Number: L2163567
Report Date: 12/06/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2163567-01	VP-2	SOIL_VAPOR	79-81 PONDFIELD ROAD	11/17/21 11:58	11/17/21
L2163567-02	VP-1	SOIL_VAPOR	79-81 PONDFIELD ROAD	11/17/21 11:36	11/17/21
L2163567-03	VP-3	SOIL_VAPOR	79-81 PONDFIELD ROAD	11/17/21 12:18	11/17/21
L2163567-04	DUP-1	SOIL_VAPOR	79-81 PONDFIELD ROAD	11/17/21 12:37	11/17/21
L2163567-05	AA-1	AIR	79-81 PONDFIELD ROAD	11/17/21 17:19	11/17/21
L2163567-06	IA-2	AIR	79-81 PONDFIELD ROAD	11/17/21 17:17	11/17/21
L2163567-07	IA-1	AIR	79-81 PONDFIELD ROAD	11/17/21 17:15	11/17/21
L2163567-08	IA-3	AIR	79-81 PONDFIELD ROAD	11/17/21 17:18	11/17/21
L2163567-09	IA-101	AIR	79-81 PONDFIELD ROAD	11/17/21 17:06	11/17/21
L2163567-10	IA-102	AIR	79-81 PONDFIELD ROAD	11/17/21 17:07	11/17/21
L2163567-11	IA-103	AIR	79-81 PONDFIELD ROAD	11/17/21 17:09	11/17/21
L2163567-12	IA-104	AIR	79-81 PONDFIELD ROAD	11/17/21 17:01	11/17/21
L2163567-13	IA-105	AIR	79-81 PONDFIELD ROAD	11/17/21 17:04	11/17/21
L2163567-14	IA-106	AIR	79-81 PONDFIELD ROAD	11/17/21 16:55	11/17/21
L2163567-15	UNUSED CAN #2918	AIR	79-81 PONDFIELD ROAD		11/17/21
L2163567-16	UNUSED CAN #2098	AIR	79-81 PONDFIELD ROAD		11/17/21

Project Name:	SPIC AND SPAN CLEANERS	**Lab Number:**	L2163567
Project Number:	11663	**Report Date:**	12/06/21

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SPIC AND SPAN CLEANERS	**Lab Number:**	L2163567
Project Number:	11663	**Report Date:**	12/06/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 17, 2021. The canister certification results are provided as an addendum.

L2163567-02D, -03D,and -04D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2163567-12,13,14D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2163567-12D,13D.14D2: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/06/21

AIR

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-01
Client ID: VP-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:58
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/04/21 01:52
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.436	0.200	--	2.16	0.989	--		1
Chloromethane	0.458	0.200	--	0.946	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	33.7	5.00	--	63.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.73	1.00	--	11.2	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	134	0.500	--	329	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.796	0.200	--	2.48	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-01
Client ID: VP-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:58
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.484	0.200	--	1.82	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.52	0.200	--	23.9	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-01
Client ID: VP-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:58
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-02 D
Client ID: VP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:36
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/04/21 02:30
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.714	--	ND	3.53	--		3.571
Chloromethane	ND	0.714	--	ND	1.47	--		3.571
Freon-114	ND	0.714	--	ND	4.99	--		3.571
Vinyl chloride	ND	0.714	--	ND	1.83	--		3.571
1,3-Butadiene	ND	0.714	--	ND	1.58	--		3.571
Bromomethane	ND	0.714	--	ND	2.77	--		3.571
Chloroethane	ND	0.714	--	ND	1.88	--		3.571
Ethanol	59.1	17.8	--	111	33.5	--		3.571
Vinyl bromide	ND	0.714	--	ND	3.12	--		3.571
Acetone	ND	3.57	--	ND	8.48	--		3.571
Trichlorofluoromethane	ND	0.714	--	ND	4.01	--		3.571
Isopropanol	19.4	1.78	--	47.7	4.38	--		3.571
1,1-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
Tertiary butyl Alcohol	ND	1.78	--	ND	5.40	--		3.571
Methylene chloride	ND	1.78	--	ND	6.18	--		3.571
3-Chloropropene	ND	0.714	--	ND	2.23	--		3.571
Carbon disulfide	ND	0.714	--	ND	2.22	--		3.571
Freon-113	ND	0.714	--	ND	5.47	--		3.571
trans-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
1,1-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
Methyl tert butyl ether	ND	0.714	--	ND	2.57	--		3.571
2-Butanone	ND	1.78	--	ND	5.25	--		3.571
cis-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-02 D
Client ID: VP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:36
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.78	--	ND	6.41	--		3.571
Chloroform	ND	0.714	--	ND	3.49	--		3.571
Tetrahydrofuran	ND	1.78	--	ND	5.25	--		3.571
1,2-Dichloroethane	ND	0.714	--	ND	2.89	--		3.571
n-Hexane	ND	0.714	--	ND	2.52	--		3.571
1,1,1-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Benzene	ND	0.714	--	ND	2.28	--		3.571
Carbon tetrachloride	ND	0.714	--	ND	4.49	--		3.571
Cyclohexane	ND	0.714	--	ND	2.46	--		3.571
1,2-Dichloropropane	ND	0.714	--	ND	3.30	--		3.571
Bromodichloromethane	ND	0.714	--	ND	4.78	--		3.571
1,4-Dioxane	ND	0.714	--	ND	2.57	--		3.571
Trichloroethene	2.86	0.714	--	15.4	3.84	--		3.571
2,2,4-Trimethylpentane	ND	0.714	--	ND	3.33	--		3.571
Heptane	ND	0.714	--	ND	2.93	--		3.571
cis-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
4-Methyl-2-pentanone	ND	1.78	--	ND	7.29	--		3.571
trans-1,3-Dichloropropene	ND	0.714	--	ND	3.24	--		3.571
1,1,2-Trichloroethane	ND	0.714	--	ND	3.90	--		3.571
Toluene	ND	0.714	--	ND	2.69	--		3.571
2-Hexanone	ND	0.714	--	ND	2.93	--		3.571
Dibromochloromethane	ND	0.714	--	ND	6.08	--		3.571
1,2-Dibromoethane	ND	0.714	--	ND	5.49	--		3.571
Tetrachloroethene	252	0.714	--	1710	4.84	--		3.571
Chlorobenzene	ND	0.714	--	ND	3.29	--		3.571
Ethylbenzene	ND	0.714	--	ND	3.10	--		3.571

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-02 D
Client ID: VP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 11:36
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.43	--	ND	6.21	--		3.571
Bromoform	ND	0.714	--	ND	7.38	--		3.571
Styrene	ND	0.714	--	ND	3.04	--		3.571
1,1,2,2-Tetrachloroethane	ND	0.714	--	ND	4.90	--		3.571
o-Xylene	ND	0.714	--	ND	3.10	--		3.571
4-Ethyltoluene	ND	0.714	--	ND	3.51	--		3.571
1,3,5-Trimethylbenzene	ND	0.714	--	ND	3.51	--		3.571
1,2,4-Trimethylbenzene	ND	0.714	--	ND	3.51	--		3.571
Benzyl chloride	ND	0.714	--	ND	3.70	--		3.571
1,3-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,4-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2-Dichlorobenzene	ND	0.714	--	ND	4.29	--		3.571
1,2,4-Trichlorobenzene	ND	0.714	--	ND	5.30	--		3.571
Hexachlorobutadiene	ND	0.714	--	ND	7.62	--		3.571

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-03 D
Client ID: VP-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/04/21 03:07
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.909	--	ND	4.49	--		4.545
Chloromethane	ND	0.909	--	ND	1.88	--		4.545
Freon-114	ND	0.909	--	ND	6.35	--		4.545
Vinyl chloride	ND	0.909	--	ND	2.32	--		4.545
1,3-Butadiene	ND	0.909	--	ND	2.01	--		4.545
Bromomethane	ND	0.909	--	ND	3.53	--		4.545
Chloroethane	ND	0.909	--	ND	2.40	--		4.545
Ethanol	36.1	22.7	--	68.0	42.8	--		4.545
Vinyl bromide	ND	0.909	--	ND	3.97	--		4.545
Acetone	28.0	4.54	--	66.5	10.8	--		4.545
Trichlorofluoromethane	ND	0.909	--	ND	5.11	--		4.545
Isopropanol	26.6	2.27	--	65.4	5.58	--		4.545
1,1-Dichloroethene	ND	0.909	--	ND	3.60	--		4.545
Tertiary butyl Alcohol	ND	2.27	--	ND	6.88	--		4.545
Methylene chloride	ND	2.27	--	ND	7.89	--		4.545
3-Chloropropene	ND	0.909	--	ND	2.85	--		4.545
Carbon disulfide	ND	0.909	--	ND	2.83	--		4.545
Freon-113	ND	0.909	--	ND	6.97	--		4.545
trans-1,2-Dichloroethene	ND	0.909	--	ND	3.60	--		4.545
1,1-Dichloroethane	ND	0.909	--	ND	3.68	--		4.545
Methyl tert butyl ether	ND	0.909	--	ND	3.28	--		4.545
2-Butanone	ND	2.27	--	ND	6.69	--		4.545
cis-1,2-Dichloroethene	4.90	0.909	--	19.4	3.60	--		4.545

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-03 D
Client ID: VP-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.27	--	ND	8.18	--		4.545
Chloroform	1.04	0.909	--	5.08	4.44	--		4.545
Tetrahydrofuran	ND	2.27	--	ND	6.69	--		4.545
1,2-Dichloroethane	ND	0.909	--	ND	3.68	--		4.545
n-Hexane	ND	0.909	--	ND	3.20	--		4.545
1,1,1-Trichloroethane	ND	0.909	--	ND	4.96	--		4.545
Benzene	ND	0.909	--	ND	2.90	--		4.545
Carbon tetrachloride	ND	0.909	--	ND	5.72	--		4.545
Cyclohexane	ND	0.909	--	ND	3.13	--		4.545
1,2-Dichloropropane	ND	0.909	--	ND	4.20	--		4.545
Bromodichloromethane	ND	0.909	--	ND	6.09	--		4.545
1,4-Dioxane	ND	0.909	--	ND	3.28	--		4.545
Trichloroethene	35.3	0.909	--	190	4.89	--		4.545
2,2,4-Trimethylpentane	ND	0.909	--	ND	4.25	--		4.545
Heptane	ND	0.909	--	ND	3.73	--		4.545
cis-1,3-Dichloropropene	ND	0.909	--	ND	4.13	--		4.545
4-Methyl-2-pentanone	ND	2.27	--	ND	9.30	--		4.545
trans-1,3-Dichloropropene	ND	0.909	--	ND	4.13	--		4.545
1,1,2-Trichloroethane	ND	0.909	--	ND	4.96	--		4.545
Toluene	ND	0.909	--	ND	3.43	--		4.545
2-Hexanone	ND	0.909	--	ND	3.73	--		4.545
Dibromochloromethane	ND	0.909	--	ND	7.74	--		4.545
1,2-Dibromoethane	ND	0.909	--	ND	6.99	--		4.545
Tetrachloroethene	319	0.909	--	2160	6.16	--		4.545
Chlorobenzene	ND	0.909	--	ND	4.19	--		4.545
Ethylbenzene	ND	0.909	--	ND	3.95	--		4.545

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-03 D
Client ID: VP-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.82	--	ND	7.91	--		4.545
Bromoform	ND	0.909	--	ND	9.40	--		4.545
Styrene	ND	0.909	--	ND	3.87	--		4.545
1,1,2,2-Tetrachloroethane	ND	0.909	--	ND	6.24	--		4.545
o-Xylene	ND	0.909	--	ND	3.95	--		4.545
4-Ethyltoluene	ND	0.909	--	ND	4.47	--		4.545
1,3,5-Trimethylbenzene	ND	0.909	--	ND	4.47	--		4.545
1,2,4-Trimethylbenzene	ND	0.909	--	ND	4.47	--		4.545
Benzyl chloride	ND	0.909	--	ND	4.71	--		4.545
1,3-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,4-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,2-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,2,4-Trichlorobenzene	ND	0.909	--	ND	6.75	--		4.545
Hexachlorobutadiene	ND	0.909	--	ND	9.70	--		4.545

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-04 D
Client ID: DUP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:37
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/04/21 03:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.909	--	ND	4.49	--		4.545
Chloromethane	ND	0.909	--	ND	1.88	--		4.545
Freon-114	ND	0.909	--	ND	6.35	--		4.545
Vinyl chloride	ND	0.909	--	ND	2.32	--		4.545
1,3-Butadiene	ND	0.909	--	ND	2.01	--		4.545
Bromomethane	ND	0.909	--	ND	3.53	--		4.545
Chloroethane	ND	0.909	--	ND	2.40	--		4.545
Ethanol	36.6	22.7	--	69.0	42.8	--		4.545
Vinyl bromide	ND	0.909	--	ND	3.97	--		4.545
Acetone	31.2	4.54	--	74.1	10.8	--		4.545
Trichlorofluoromethane	ND	0.909	--	ND	5.11	--		4.545
Isopropanol	15.0	2.27	--	36.9	5.58	--		4.545
1,1-Dichloroethene	ND	0.909	--	ND	3.60	--		4.545
Tertiary butyl Alcohol	ND	2.27	--	ND	6.88	--		4.545
Methylene chloride	ND	2.27	--	ND	7.89	--		4.545
3-Chloropropene	ND	0.909	--	ND	2.85	--		4.545
Carbon disulfide	ND	0.909	--	ND	2.83	--		4.545
Freon-113	ND	0.909	--	ND	6.97	--		4.545
trans-1,2-Dichloroethene	ND	0.909	--	ND	3.60	--		4.545
1,1-Dichloroethane	ND	0.909	--	ND	3.68	--		4.545
Methyl tert butyl ether	ND	0.909	--	ND	3.28	--		4.545
2-Butanone	ND	2.27	--	ND	6.69	--		4.545
cis-1,2-Dichloroethene	5.29	0.909	--	21.0	3.60	--		4.545

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-04 D
Client ID: DUP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:37
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	2.27	--	ND	8.18	--		4.545
Chloroform	1.24	0.909	--	6.06	4.44	--		4.545
Tetrahydrofuran	ND	2.27	--	ND	6.69	--		4.545
1,2-Dichloroethane	ND	0.909	--	ND	3.68	--		4.545
n-Hexane	ND	0.909	--	ND	3.20	--		4.545
1,1,1-Trichloroethane	ND	0.909	--	ND	4.96	--		4.545
Benzene	ND	0.909	--	ND	2.90	--		4.545
Carbon tetrachloride	ND	0.909	--	ND	5.72	--		4.545
Cyclohexane	ND	0.909	--	ND	3.13	--		4.545
1,2-Dichloropropane	ND	0.909	--	ND	4.20	--		4.545
Bromodichloromethane	ND	0.909	--	ND	6.09	--		4.545
1,4-Dioxane	ND	0.909	--	ND	3.28	--		4.545
Trichloroethene	37.4	0.909	--	201	4.89	--		4.545
2,2,4-Trimethylpentane	ND	0.909	--	ND	4.25	--		4.545
Heptane	ND	0.909	--	ND	3.73	--		4.545
cis-1,3-Dichloropropene	ND	0.909	--	ND	4.13	--		4.545
4-Methyl-2-pentanone	ND	2.27	--	ND	9.30	--		4.545
trans-1,3-Dichloropropene	ND	0.909	--	ND	4.13	--		4.545
1,1,2-Trichloroethane	ND	0.909	--	ND	4.96	--		4.545
Toluene	ND	0.909	--	ND	3.43	--		4.545
2-Hexanone	ND	0.909	--	ND	3.73	--		4.545
Dibromochloromethane	ND	0.909	--	ND	7.74	--		4.545
1,2-Dibromoethane	ND	0.909	--	ND	6.99	--		4.545
Tetrachloroethene	337	0.909	--	2290	6.16	--		4.545
Chlorobenzene	ND	0.909	--	ND	4.19	--		4.545
Ethylbenzene	ND	0.909	--	ND	3.95	--		4.545

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-04 D
Client ID: DUP-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 12:37
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.82	--	ND	7.91	--		4.545
Bromoform	ND	0.909	--	ND	9.40	--		4.545
Styrene	ND	0.909	--	ND	3.87	--		4.545
1,1,2,2-Tetrachloroethane	ND	0.909	--	ND	6.24	--		4.545
o-Xylene	ND	0.909	--	ND	3.95	--		4.545
4-Ethyltoluene	ND	0.909	--	ND	4.47	--		4.545
1,3,5-Trimethylbenzene	ND	0.909	--	ND	4.47	--		4.545
1,2,4-Trimethylbenzene	ND	0.909	--	ND	4.47	--		4.545
Benzyl chloride	ND	0.909	--	ND	4.71	--		4.545
1,3-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,4-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,2-Dichlorobenzene	ND	0.909	--	ND	5.47	--		4.545
1,2,4-Trichlorobenzene	ND	0.909	--	ND	6.75	--		4.545
Hexachlorobutadiene	ND	0.909	--	ND	9.70	--		4.545

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-05
Client ID: AA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:19
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/29/21 22:19
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.521	0.200	--	2.58	0.989	--		1
Chloromethane	0.427	0.200	--	0.882	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.91	1.00	--	4.54	2.38	--		1
Trichlorofluoromethane	0.228	0.200	--	1.28	1.12	--		1
Isopropanol	3.15	0.500	--	7.74	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-05
Client ID: AA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:19
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-05
Client ID: AA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:19
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-05
Client ID: AA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:19
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/29/21 22:19
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.031	0.020	--	0.210	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-06
Client ID: IA-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:17
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/29/21 22:58
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.499	0.200	--	2.47	0.989	--		1
Chloromethane	0.418	0.200	--	0.863	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.15	5.00	--	11.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.66	1.00	--	11.1	2.38	--		1
Trichlorofluoromethane	0.214	0.200	--	1.20	1.12	--		1
Isopropanol	121	0.500	--	297	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-06
Client ID: IA-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:17
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-06
Client ID: IA-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:17
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-06
Client ID: IA-2
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:17
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/29/21 22:58
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.047	0.020	--	0.256	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	0.028	0.020	--	0.150	0.107	--		1
Tetrachloroethene	0.240	0.020	--	1.63	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-07
Client ID: IA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:15
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/29/21 23:37
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.505	0.200	--	2.50	0.989	--		1
Chloromethane	0.423	0.200	--	0.874	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.34	1.00	--	5.56	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	27.4	0.500	--	67.4	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-07
Client ID: IA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:15
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-07
Client ID: IA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:15
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-07
Client ID: IA-1
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:15
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/29/21 23:37
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.021	0.020	--	0.115	0.109	--		1
Carbon tetrachloride	0.065	0.020	--	0.409	0.126	--		1
Trichloroethene	0.029	0.020	--	0.156	0.107	--		1
Tetrachloroethene	0.211	0.020	--	1.43	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-08
Client ID: IA-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 00:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.409	0.200	--	0.845	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	8.40	5.00	--	15.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.90	1.00	--	18.8	2.38	--		1
Trichlorofluoromethane	0.210	0.200	--	1.18	1.12	--		1
Isopropanol	139	0.500	--	342	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-08
Client ID: IA-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.290	0.200	--	0.926	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.214	0.200	--	0.806	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-08
Client ID: IA-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-08
Client ID: IA-3
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:18
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 00:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.035	0.020	--	0.139	0.079	--		1
1,1,1-Trichloroethane	0.236	0.020	--	1.29	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	0.154	0.020	--	0.828	0.107	--		1
Tetrachloroethene	1.28	0.020	--	8.68	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-09
Client ID: IA-101
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:06
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 00:56
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	--	2.61	0.989	--		1
Chloromethane	0.495	0.200	--	1.02	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	284	5.00	--	535	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.2	1.00	--	43.2	2.38	--		1
Trichlorofluoromethane	0.261	0.200	--	1.47	1.12	--		1
Isopropanol	6.53	0.500	--	16.1	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-09
Client ID: IA-101
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:06
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.271	0.200	--	0.866	0.639	--		1
Cyclohexane	0.285	0.200	--	0.981	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.790	0.200	--	2.98	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-09
Client ID: IA-101
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:06
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-09
Client ID: IA-101
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:06
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 00:56
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.057	0.020	--	0.387	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-10
Client ID: IA-102
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:07
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 01:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.443	0.200	--	0.915	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	28.2	5.00	--	53.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.37	1.00	--	8.01	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	3.89	0.500	--	9.56	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-10
Client ID: IA-102
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:07
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	0.200	0.200	--	0.809	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.261	0.200	--	0.834	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.441	0.200	--	1.66	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-10
Client ID: IA-102
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:07
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-10
Client ID: IA-102
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:07
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 01:35
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.071	0.020	--	0.447	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.030	0.020	--	0.203	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-11
Client ID: IA-103
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:09
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 02:15
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.200	--	2.53	0.989	--		1
Chloromethane	0.431	0.200	--	0.890	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	248	5.00	--	467	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.06	1.00	--	12.0	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	1.74	0.500	--	4.28	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-11
Client ID: IA-103
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:09
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.322	0.200	--	1.03	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.955	0.200	--	3.60	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-11
Client ID: IA-103
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:09
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-11
Client ID: IA-103
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:09
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 02:15
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.043	0.020	--	0.292	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-12
Client ID: IA-104
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:01
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 02:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.492	0.200	--	2.43	0.989	--		1
Chloromethane	0.479	0.200	--	0.989	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	890	5.00	--	1680	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.5	1.00	--	70.1	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	834	0.500	--	2050	1.23	--	E	1
Tertiary butyl Alcohol	0.666	0.500	--	2.02	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.202	0.200	--	0.986	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-12
Client ID: IA-104
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:01
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.233	0.200	--	0.744	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.349	0.200	--	1.32	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-12
Client ID: IA-104
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:01
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-12
Client ID: IA-104
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:01
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 02:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.025	0.020	--	0.136	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	0.021	0.020	--	0.113	0.107	--		1
Tetrachloroethene	0.371	0.020	--	2.52	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-12 D
Client ID: IA-104
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:01
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 05:03
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	789	50.0	--	1490	94.2	--		10
Isopropanol	994	5.00	--	2440	12.3	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-13
Client ID: IA-105
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:04
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 03:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.508	0.200	--	2.51	0.989	--		1
Chloromethane	0.422	0.200	--	0.871	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	43.5	5.00	--	82.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.96	1.00	--	23.7	2.38	--		1
Trichlorofluoromethane	0.250	0.200	--	1.40	1.12	--		1
Isopropanol	272	0.500	--	669	1.23	--	E	1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-13
Client ID: IA-105
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:04
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.266	0.200	--	0.850	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.285	0.200	--	1.07	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-13
Client ID: IA-105
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:04
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-13
Client ID: IA-105
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:04
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 03:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.038	0.020	--	0.207	0.109	--		1
Carbon tetrachloride	0.064	0.020	--	0.403	0.126	--		1
Trichloroethene	0.037	0.020	--	0.199	0.107	--		1
Tetrachloroethene	0.456	0.020	--	3.09	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-13 D
Client ID: IA-105
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 17:04
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 05:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	294	1.25	--	723	3.07	--		2.5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-14
Client ID: IA-106
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 16:55
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/21 04:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.047	0.020	--	0.256	0.109	--		1
Carbon tetrachloride	0.058	0.020	--	0.365	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.270	0.020	--	1.83	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-14 D
Client ID: IA-106
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 16:55
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 04:12
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.813	0.378	--	4.02	1.87	--		1.891
Chloromethane	0.713	0.378	--	1.47	0.781	--		1.891
Freon-114	ND	0.378	--	ND	2.64	--		1.891
1,3-Butadiene	ND	0.378	--	ND	0.836	--		1.891
Bromomethane	ND	0.378	--	ND	1.47	--		1.891
Chloroethane	ND	0.378	--	ND	0.997	--		1.891
Ethanol	53.8	9.46	--	101	17.8	--		1.891
Vinyl bromide	ND	0.378	--	ND	1.65	--		1.891
Acetone	85.5	1.89	--	203	4.49	--		1.891
Trichlorofluoromethane	ND	0.378	--	ND	2.12	--		1.891
Isopropanol	10100	0.946	--	24800	2.33	--	E	1.891
Tertiary butyl Alcohol	ND	0.946	--	ND	2.87	--		1.891
Methylene chloride	2.36	0.946	--	8.20	3.29	--		1.891
3-Chloropropene	ND	0.378	--	ND	1.18	--		1.891
Carbon disulfide	ND	0.378	--	ND	1.18	--		1.891
Freon-113	ND	0.378	--	ND	2.90	--		1.891
trans-1,2-Dichloroethene	ND	0.378	--	ND	1.50	--		1.891
1,1-Dichloroethane	ND	0.378	--	ND	1.53	--		1.891
Methyl tert butyl ether	ND	0.378	--	ND	1.36	--		1.891
2-Butanone	ND	0.946	--	ND	2.79	--		1.891
Ethyl Acetate	ND	0.946	--	ND	3.41	--		1.891
Chloroform	ND	0.378	--	ND	1.85	--		1.891
Tetrahydrofuran	ND	0.946	--	ND	2.79	--		1.891

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-14 D
Client ID: IA-106
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 16:55
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.378	--	ND	1.53	--		1.891
n-Hexane	ND	0.378	--	ND	1.33	--		1.891
Benzene	ND	0.378	--	ND	1.21	--		1.891
Cyclohexane	ND	0.378	--	ND	1.30	--		1.891
1,2-Dichloropropane	ND	0.378	--	ND	1.75	--		1.891
Bromodichloromethane	ND	0.378	--	ND	2.53	--		1.891
1,4-Dioxane	ND	0.378	--	ND	1.36	--		1.891
2,2,4-Trimethylpentane	ND	0.378	--	ND	1.77	--		1.891
Heptane	ND	0.378	--	ND	1.55	--		1.891
cis-1,3-Dichloropropene	ND	0.378	--	ND	1.72	--		1.891
4-Methyl-2-pentanone	ND	0.946	--	ND	3.88	--		1.891
trans-1,3-Dichloropropene	ND	0.378	--	ND	1.72	--		1.891
1,1,2-Trichloroethane	ND	0.378	--	ND	2.06	--		1.891
Toluene	0.705	0.378	--	2.66	1.42	--		1.891
2-Hexanone	ND	0.378	--	ND	1.55	--		1.891
Dibromochloromethane	ND	0.378	--	ND	3.22	--		1.891
1,2-Dibromoethane	ND	0.378	--	ND	2.90	--		1.891
Chlorobenzene	ND	0.378	--	ND	1.74	--		1.891
Ethylbenzene	ND	0.378	--	ND	1.64	--		1.891
p/m-Xylene	ND	0.756	--	ND	3.28	--		1.891
Bromoform	ND	0.378	--	ND	3.91	--		1.891
Styrene	ND	0.378	--	ND	1.61	--		1.891
1,1,2,2-Tetrachloroethane	ND	0.378	--	ND	2.60	--		1.891
o-Xylene	ND	0.378	--	ND	1.64	--		1.891
4-Ethyltoluene	ND	0.378	--	ND	1.86	--		1.891
1,3,5-Trimethylbenzene	ND	0.378	--	ND	1.86	--		1.891

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-14 D
Client ID: IA-106
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 16:55
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.378	--	ND	1.86	--		1.891
Benzyl chloride	ND	0.378	--	ND	1.96	--		1.891
1,3-Dichlorobenzene	ND	0.378	--	ND	2.27	--		1.891
1,4-Dichlorobenzene	ND	0.378	--	ND	2.27	--		1.891
1,2-Dichlorobenzene	ND	0.378	--	ND	2.27	--		1.891
1,2,4-Trichlorobenzene	ND	0.378	--	ND	2.81	--		1.891
Hexachlorobutadiene	ND	0.378	--	ND	4.03	--		1.891

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	103		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	100		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

SAMPLE RESULTS

Lab ID: L2163567-14 D2
Client ID: IA-106
Sample Location: 79-81 PONDFIELD ROAD

Date Collected: 11/17/21 16:55
Date Received: 11/17/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/21 07:48
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Isopropanol	26800	129	--	65900	317	--		257.7

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	101		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/29/21 16:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 05-14 Batch: WG1576832-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/29/21 15:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-14 Batch: WG1576833-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/29/21 15:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-14 Batch: WG1576833-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/29/21 15:22

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 05-14 Batch: WG1576833-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/21 16:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1578950-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/21 16:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1578950-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/03/21 16:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1578950-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 05-14 Batch: WG1576832-3								
Vinyl chloride	76		-		70-130	-		25
1,1-Dichloroethene	83		-		70-130	-		25
cis-1,2-Dichloroethene	85		-		70-130	-		25
1,1,1-Trichloroethane	80		-		70-130	-		25
Carbon tetrachloride	88		-		70-130	-		25
Trichloroethene	83		-		70-130	-		25
Tetrachloroethene	81		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS

Project Number: 11663

Lab Number: L2163567

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-14 Batch: WG1576833-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	81		-		70-130	-		
Freon-114	85		-		70-130	-		
Vinyl chloride	79		-		70-130	-		
1,3-Butadiene	79		-		70-130	-		
Bromomethane	79		-		70-130	-		
Chloroethane	77		-		70-130	-		
Ethanol	111		-		40-160	-		
Vinyl bromide	72		-		70-130	-		
Acetone	69		-		40-160	-		
Trichlorofluoromethane	89		-		70-130	-		
Isopropanol	70		-		40-160	-		
1,1-Dichloroethene	85		-		70-130	-		
Tertiary butyl Alcohol	80		-		70-130	-		
Methylene chloride	82		-		70-130	-		
3-Chloropropene	82		-		70-130	-		
Carbon disulfide	73		-		70-130	-		
Freon-113	87		-		70-130	-		
trans-1,2-Dichloroethene	80		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	75		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-14 Batch: WG1576833-3								
Ethyl Acetate	88		-		70-130	-		
Chloroform	93		-		70-130	-		
Tetrahydrofuran	84		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	77		-		70-130	-		
1,1,1-Trichloroethane	85		-		70-130	-		
Benzene	76		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Cyclohexane	78		-		70-130	-		
1,2-Dichloropropane	81		-		70-130	-		
Bromodichloromethane	85		-		70-130	-		
1,4-Dioxane	95		-		70-130	-		
Trichloroethene	87		-		70-130	-		
2,2,4-Trimethylpentane	79		-		70-130	-		
Heptane	76		-		70-130	-		
cis-1,3-Dichloropropene	83		-		70-130	-		
4-Methyl-2-pentanone	85		-		70-130	-		
trans-1,3-Dichloropropene	74		-		70-130	-		
1,1,2-Trichloroethane	86		-		70-130	-		
Toluene	77		-		70-130	-		
2-Hexanone	84		-		70-130	-		
Dibromochloromethane	91		-		70-130	-		
1,2-Dibromoethane	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS

Project Number: 11663

Lab Number: L2163567

Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 05-14 Batch: WG1576833-3								
Tetrachloroethene	89		-		70-130	-		
Chlorobenzene	86		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	92		-		70-130	-		
Styrene	88		-		70-130	-		
1,1,2,2-Tetrachloroethane	89		-		70-130	-		
o-Xylene	88		-		70-130	-		
4-Ethyltoluene	81		-		70-130	-		
1,3,5-Trimethylbenzene	81		-		70-130	-		
1,2,4-Trimethylbenzene	88		-		70-130	-		
Benzyl chloride	74		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	93		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1578950-3								
Dichlorodifluoromethane	88		-		70-130	-		
Chloromethane	70		-		70-130	-		
Freon-114	79		-		70-130	-		
Vinyl chloride	79		-		70-130	-		
1,3-Butadiene	70		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	81		-		70-130	-		
Ethanol	59		-		40-160	-		
Vinyl bromide	74		-		70-130	-		
Acetone	83		-		40-160	-		
Trichlorofluoromethane	90		-		70-130	-		
Isopropanol	72		-		40-160	-		
1,1-Dichloroethene	83		-		70-130	-		
Tertiary butyl Alcohol	81		-		70-130	-		
Methylene chloride	79		-		70-130	-		
3-Chloropropene	91		-		70-130	-		
Carbon disulfide	73		-		70-130	-		
Freon-113	97		-		70-130	-		
trans-1,2-Dichloroethene	89		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	80		-		70-130	-		
2-Butanone	85		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663
Lab Number: L2163567
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1578950-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	86		-		70-130	-		
1,2-Dichloroethane	101		-		70-130	-		
n-Hexane	75		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	71		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	75		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
Bromodichloromethane	88		-		70-130	-		
1,4-Dioxane	78		-		70-130	-		
Trichloroethene	88		-		70-130	-		
2,2,4-Trimethylpentane	77		-		70-130	-		
Heptane	76		-		70-130	-		
cis-1,3-Dichloropropene	84		-		70-130	-		
4-Methyl-2-pentanone	79		-		70-130	-		
trans-1,3-Dichloropropene	75		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	86		-		70-130	-		
2-Hexanone	78		-		70-130	-		
Dibromochloromethane	111		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663

Lab Number: L2163567
Report Date: 12/06/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1578950-3								
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	87		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	127		-		70-130	-		
Styrene	86		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	95		-		70-130	-		
4-Ethyltoluene	82		-		70-130	-		
1,3,5-Trimethylbenzene	89		-		70-130	-		
1,2,4-Trimethylbenzene	89		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	95		-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Project Name: SPIC AND SPAN CLEANERS

Lab Number: L2163567

Project Number: 11663

Report Date: 12/06/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2163567-01	VP-2	01777	Flow 1	11/17/21	370440		-	-	-	Pass	200	191	5
L2163567-01	VP-2	521	2.7L Can	11/17/21	370440	L2161707-01	Pass	-29.3	-3.1	-	-	-	-
L2163567-02	VP-1	01288	Flow 1	11/17/21	370440		-	-	-	Pass	200	141	35
L2163567-02	VP-1	236	2.7L Can	11/17/21	370440	L2161707-01	Pass	-29.4	-2.6	-	-	-	-
L2163567-03	VP-3	0355	Flow 1	11/17/21	370440		-	-	-	Pass	200	183	9
L2163567-03	VP-3	2036	2.7L Can	11/17/21	370440	L2161707-01	Pass	-29.4	-3.2	-	-	-	-
L2163567-04	DUP-1	0152	Flow 1	11/17/21	370440		-	-	-	Pass	200	185	8
L2163567-04	DUP-1	2789	2.7L Can	11/17/21	370440	L2161707-01	Pass	-29.4	-2.0	-	-	-	-
L2163567-05	AA-1	0356	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	5.7	34
L2163567-05	AA-1	2285	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.5	-9.0	-	-	-	-
L2163567-06	IA-2	01610	Flow 4	11/17/21	370440		-	-	-	Pass	8.0	7.5	6
L2163567-06	IA-2	2933	6.0L Can	11/17/21	370440	L2162643-03	Pass	-29.6	-10.3	-	-	-	-
L2163567-07	IA-1	01601	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	6.3	24
L2163567-07	IA-1	946	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.5	-10.5	-	-	-	-
L2163567-08	IA-3	0832	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	7.4	8

Project Name: SPIC AND SPAN CLEANERS

Lab Number: L2163567

Project Number: 11663

Report Date: 12/06/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2163567-08	IA-3	3062	6.0L Can	11/17/21	370440	L2162643-03	Pass	-29.6	-11.3	-	-	-	-
L2163567-09	IA-101	0722	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	4.4	58
L2163567-09	IA-101	2062	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.6	-11.4	-	-	-	-
L2163567-10	IA-102	01582	Flow 4	11/17/21	370440		-	-	-	Pass	8.0	7.7	4
L2163567-10	IA-102	775	6.0L Can	11/17/21	370440	L2162643-03	Pass	-29.6	-10.6	-	-	-	-
L2163567-11	IA-103	0470	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	7.5	6
L2163567-11	IA-103	3133	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.6	-10.3	-	-	-	-
L2163567-12	IA-104	0132	Flow 2	11/17/21	370440		-	-	-	Pass	8.0	7.6	5
L2163567-12	IA-104	2932	6.0L Can	11/17/21	370440	L2162643-03	Pass	-29.6	-10.4	-	-	-	-
L2163567-13	IA-105	0124	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	7.5	6
L2163567-13	IA-105	2678	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.5	-10.4	-	-	-	-
L2163567-14	IA-106	0364	Flow 5	11/17/21	370440		-	-	-	Pass	8.0	5.0	46
L2163567-14	IA-106	2912	6.0L Can	11/17/21	370440	L2162643-04	Pass	-29.6	-18.7	-	-	-	-
L2163567-15	UNUSED CAN #2918	01615	Flow 4	11/17/21	370440		-	-	-	Pass	8.0	7.4	8
L2163567-16	UNUSED CAN #2098	01585	Flow 4	11/17/21	370440		-	-	-	Pass	8.0	8.8	10

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2161707
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/12/21 18:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	6.04	5.00	--	7.91	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2161707

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2161707

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2161707
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2161707
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2161707

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/12/21 18:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2161707

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2161707
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2161707-01
Client ID: CAN 1730 SHELF 18
Sample Location:

Date Collected: 11/09/21 14:00
Date Received: 11/10/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/15/21 19:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2162643

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/15/21 19:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-03
Client ID: CAN 3384 SHELF 46
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	85		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/15/21 20:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2162643

Project Number: CANISTER QC BAT **Report Date:** 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/15/21 20:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2162643
Report Date: 12/06/21

Air Canister Certification Results

Lab ID: L2162643-04
Client ID: CAN 3338 SHELF 47
Sample Location:

Date Collected: 11/13/21 08:00
Date Received: 11/15/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	91		60-140

Project Name: SPIC AND SPAN CLEANERS
Project Number: 11663

Lab Number: L2163567
Report Date: 12/06/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2163567-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2163567-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2163567-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2163567-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2163567-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2163567-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2163567-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2163567-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2163567-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2163567-15A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L2163567-16A	Canister - 6 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	SPIC AND SPAN CLEANERS	**Lab Number:**	L2163567
Project Number:	11663	**Report Date:**	12/06/21

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SPIC AND SPAN CLEANERS	**Lab Number:**	L2163567
Project Number:	11663	**Report Date:**	12/06/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	SPIC AND SPAN CLEANERS	**Lab Number:**	L2163567
Project Number:	11663	**Report Date:**	12/06/21

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

REFERENCES

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

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/18/21

ALPHA Job #: L2163567

Client Information

Client: SESI Consulting Engineers
Address: 12A Maple Ave
Pine Brook, NJ
Phone:
Fax:
Email: Patricia.Petrino@sesi.org
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Spic and Span Cleaners
Project Location: 79-81 Pondfield Road
Project #: 11663
Project Manager: Patricia Petrino
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5 Day
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs)	Fixed Gases ☐	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
03567-01	VP-2	11/17/21	1144	1158	30.05	4.74	SV	JRN	2.7L	0521	FC01777	X						
-02	VP-1		1121	1136	30.02	4.66	SV			0236	FC01288	X						
-03	VP-3		1207	1218	29.62	4.95	SV			0984	FC0355	X						
-04	DUP-1		1225	1237	-4.01	-4.81	SV			2317	FC0152	X						pressure gauge failure
-05	AA-1		0922	1719	30.61	10.30	AA		6L	2285	0356	X						
-06	IA-2		0925	1717	30.69	11.13			6L	2938	01610	X						
-07	IA-1		0924	1715	29.73	10.26				946	01601	X						
-08	IA-3		0924	1718	30.97	11.83				30620	5432	X						
-09	IA-101		0843	1706	30.93	11.90				20620	722	X						
-10	IA-102		0841	1709	30.81	11.09				775	01582	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	11/17/21 5:30	(AAL)	11-17-21 1735
(AAL)	11-17-21 1850		11/17/21 20:30
	11/18/21		11/18/21 9045

Form No: 101-02 Rev: (25-Sep-15)

AIR ANALYSIS

CHAIN OF CUSTODY PAGE 2 OF 2

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/18/21

ALPHA Job #: L2103507

Client Information

Client: SESI Consulting Engineer
Address: 12 A Maple Ave
Pine Brook, NJ
Phone:
Fax:
Email: Patricia.Petrino@Sesi.org
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Spic and Span Cleaners
Project Location: 79-81 Pondfield Road
Project #: 11663
Project Manager: Patricia Petrino
ALPHA Quote #:

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Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15		Sample Comments (i.e. PID)
03567-01	IA-103	11/17/21	0857	1709	30.82	11.21	AA	JRD	6L	3133	0470	X						
-12	IA-104		0851	1701	30.62	10.72				2932	0132	X						
-13	IA-105		0849	1704	30.87	10.86				2678	0124	X						
-14	IA-106		0834	1655	30.19	18.52				2912	0364	X						Pressure gauge seems stuck

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
(AAL)	11/17/21 5:30	(AAL)	11-17-21 1735
(AAL)	11-17-21 1855		11/17/21 20:30
	11/18/21		11/18/21 0045

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

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

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

11663

SGS Job Number: JD41388

Sampling Date: 03/15/22

Report to:

SESI Consulting Engineers
12 Maple Avenue Building A
Pine Brook, NJ 07058
jam@sesi.org

ATTN: Jesse Mausner

Total number of pages in report: 219

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: Kelly Ramos 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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EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

SESI Consulting Engineers

Job No: JD41388

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD41388-1	03/15/22	10:55	JN	03/16/22	AQ	Ground Water	MW-1S
JD41388-2	03/15/22	12:10	JN	03/16/22	AQ	Ground Water	MW-2S
JD41388-3	03/15/22	13:10	JN	03/16/22	AQ	Ground Water	MW-4S
JD41388-4	03/15/22	14:00	JN	03/16/22	AQ	Ground Water	MW-4I
JD41388-5	03/15/22	15:00	JN	03/16/22	AQ	Ground Water	MW-5S
JD41388-6	03/15/22	15:25	JN	03/16/22	AQ	Trip Blank Water	TRIP BLANK
JD41388-7	03/15/22	15:25	JN	03/16/22	AQ	Field Blank Water	FIELD BLANK
JD41388-8	03/15/22	11:00	JN	03/16/22	AQ	Ground Water	DUP-1

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No:**	JD41388
Site:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY	**Report Date**	3/22/2022 5:05:11 PM

On 03/16/2022, 6 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 1.3 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD41388 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:** V3D7404

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD41239-1DUP, JD41239-2MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Acetone, Dichlorodifluoromethane are outside control limits.
- Matrix Spike Recovery(s) for 2-Butanone (MEK), Methyl Acetate are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Acetone are outside control limits for sample JD41239-1DUP. High RPD due to low concentration of hit.
- JD41388-1 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-6 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.
- V3D7404-BS for Acetone: High percent recoveries and no associated positive found in the QC batch.
- V3D7404-BS for Dichlorodifluoromethane: High percent recoveries and no associated positive found in the QC batch.
- JD41388-6 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-4 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-6 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-7 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-7 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.
- JD41388-7 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-7 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41239-2MS for Acetone: Outside control limits.
- JD41239-2MS for Dichlorodifluoromethane: Outside control limits.
- JD41388-1 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-1 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-1 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.
- JD41388-2 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V3D7404

- JD41388-2 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.
- JD41388-2 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-2 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-3 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-3 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.
- JD41388-3 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-3 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-6 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-4 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.
- JD41388-4 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-4 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-5 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-5 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-5 for Acetone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JD41388-5 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD41388-8 for Methyl Acetate: Associated CCV outside of control limits high, sample was ND.
- JD41388-8 for Dichlorodifluoromethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41388-8 for Acetone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JD41388-8 for Bromoform: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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: JD41388
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/15/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD41388-1	**MW-1S**					
Chlorobenzene		1.8	1.0	0.56	ug/l	SW846 8260D
Tetrachloroethene		4.1	1.0	0.90	ug/l	SW846 8260D
JD41388-2	**MW-2S**					
Tetrachloroethene		22.9	1.0	0.90	ug/l	SW846 8260D
Trichloroethene		0.57 J	1.0	0.53	ug/l	SW846 8260D
JD41388-3	**MW-4S**					
No hits reported in this sample.						
JD41388-4	**MW-4I**					
Chlorobenzene		0.97 J	1.0	0.56	ug/l	SW846 8260D
Tetrachloroethene		0.91 J	1.0	0.90	ug/l	SW846 8260D
JD41388-5	**MW-5S**					
Acetone [a]		5.0 J	10	3.1	ug/l	SW846 8260D
Chlorobenzene		1.0	1.0	0.56	ug/l	SW846 8260D
cis-1,2-Dichloroethene		0.78 J	1.0	0.51	ug/l	SW846 8260D
Tetrachloroethene		51.4	1.0	0.90	ug/l	SW846 8260D
Trichloroethene		1.1	1.0	0.53	ug/l	SW846 8260D
JD41388-6	**TRIP BLANK**					
Bromodichloromethane		1.1	1.0	0.45	ug/l	SW846 8260D
Chloroform		5.5	1.0	0.50	ug/l	SW846 8260D
Methylene chloride		1.0 J	2.0	1.0	ug/l	SW846 8260D
JD41388-7	**FIELD BLANK**					
No hits reported in this sample.						
JD41388-8	**DUP-1**					
Acetone [a]		4.2 J	10	3.1	ug/l	SW846 8260D
Chlorobenzene		1.5	1.0	0.56	ug/l	SW846 8260D
Tetrachloroethene		5.1	1.0	0.90	ug/l	SW846 8260D

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD41388-1	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174738.D	1	03/18/22 18:27	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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)	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	1.8	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 [c]	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	
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	

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-1S		
Lab Sample ID:	JD41388-1	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	4.1	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	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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-2S		
Lab Sample ID:	JD41388-2	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174739.D	1	03/18/22 18:50	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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)	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 [c]	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	
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	

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-2S		
Lab Sample ID:	JD41388-2	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	22.9	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	0.57	1.0	0.53	ug/l	J
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	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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-4S		
Lab Sample ID:	JD41388-3	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174740.D	1	03/18/22 19:14	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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)	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 [c]	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	
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	

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-4S		
Lab Sample ID:	JD41388-3	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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-4I		
Lab Sample ID:	JD41388-4	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174741.D	1	03/18/22 19:37	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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)	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	0.97	1.0	0.56	ug/l	J
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 [c]	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	
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	

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-4I		
Lab Sample ID:	JD41388-4	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	0.91	1.0	0.90	ug/l	J
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%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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-5S		
Lab Sample ID:	JD41388-5	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174742.D	1	03/18/22 20:01	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	5.0	10	3.1	ug/l	J
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)	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	1.0	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 [c]	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	0.78	1.0	0.51	ug/l	J
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	
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	

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-5S		
Lab Sample ID:	JD41388-5	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	51.4	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	1.1	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	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	107%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

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

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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:	TRIP BLANK		
Lab Sample ID:	JD41388-6	**Date Sampled:**	03/15/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174723.D	1	03/18/22 12:32	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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	1.1	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)	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	5.5	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 [c]	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	
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	

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:	TRIP BLANK		
Lab Sample ID:	JD41388-6	**Date Sampled:**	03/15/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	1.0	2.0	1.0	ug/l	J
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	109%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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:	FIELD BLANK		
Lab Sample ID:	JD41388-7	**Date Sampled:**	03/15/22
Matrix:	AQ - Field Blank Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174724.D	1	03/18/22 12:56	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

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)	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 [c]	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	
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	

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:	FIELD BLANK		
Lab Sample ID:	JD41388-7	**Date Sampled:**	03/15/22
Matrix:	AQ - Field Blank Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	107%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		82-114%

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

(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 low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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:	DUP-1		
Lab Sample ID:	JD41388-8	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D174743.D	1	03/18/22 20:24	NW	n/a	n/a	V3D7404
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	4.2	10	3.1	ug/l	J
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)	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	1.5	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 [c]	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	
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	

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-1		
Lab Sample ID:	JD41388-8	**Date Sampled:**	03/15/22
Matrix:	AQ - Ground Water	**Date Received:**	03/16/22
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate [d]	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	5.1	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	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-114%

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

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) 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 FB

CHAIN OF CUSTODY

~~JD41389~~ Page 1 of 1

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 #: KR-039 22-31
SGS Quote #: JD41388 | SGS Job #: ~~JD41388~~

Client / Reporting Information

Company Name: SESI Engineering Consultants
Street Address: 12A Maple Ave
City / State / Zip: Pine Brook NJ
Project Contact / E-mail: Patricia Petrino Patricia.Petrino@sesi.org
Phone #: 973-808-9050
Sampler(s) Name(s) / Phone #: Joe Noonan

Project Information

Project Name: Spic and Span Cleaners
Street: 71 Bartfield Rd
City / State: Bronxville NJ
Project #: 11663
Client Purchase Order #:
Project Manager:
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
City / State / Zip:

Requested Analysis

VOC+15

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: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-1S		3/15/22	1055	Jnoon	G	Y	GW	3	X								X	V378
2	MW-2S			1210															
3	MW-4S			1310															
4	MW-4I			1400															
5	MW-5S			1500			Y												
6	Trip Blank		3/14/22	0800			N		2										
7	Field Blank		3/15/22	1525															
8	DUP-1		3/15/22	1100															

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 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
- [ ] 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

Initial Assessment 3B 17B
Label Verification

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	Joseph Noonan	3/16/22 1125	1 Echo #42	2 FM Pulse	3/16/22 14:55	2
3			3	4		4
5			5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / On Ice / Cooler Temp. °C: 2.4/2.5

See Sample Receipt Summary

SGS Sample Receipt Summary

Job Number: JD41388 **Client:** SESI CONSULTING ENGINEERS **Project:** SPIC AND SPAN CLEANERS, 79 PONDFIELD R

Date / Time Received: 3/16/2022 2:55:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.9);

Cooler Temps (Corrected) °C: Cooler 1: (1.3);

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: 231619 pH 12+: 203117A Other: (Specify)

Comments -8, analysis not marked on COC

SM089-02 Rev. Date 12/1/16

Responded to by: Michelle

Response Date: 3/16

-8, please run for V8260TCL20+

JD41388: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD41388

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD41388-1	Collected: 15-MAR-22 10:55 By: JN		Received: 16-MAR-22 By: TS			
MW-1S						
JD41388-1	SW846 8260D	18-MAR-22 18:27	NW			V8260TCL20+
JD41388-2	Collected: 15-MAR-22 12:10 By: JN		Received: 16-MAR-22 By: TS			
MW-2S						
JD41388-2	SW846 8260D	18-MAR-22 18:50	NW			V8260TCL20+
JD41388-3	Collected: 15-MAR-22 13:10 By: JN		Received: 16-MAR-22 By: TS			
MW-4S						
JD41388-3	SW846 8260D	18-MAR-22 19:14	NW			V8260TCL20+
JD41388-4	Collected: 15-MAR-22 14:00 By: JN		Received: 16-MAR-22 By: TS			
MW-4I						
JD41388-4	SW846 8260D	18-MAR-22 19:37	NW			V8260TCL20+
JD41388-5	Collected: 15-MAR-22 15:00 By: JN		Received: 16-MAR-22 By: TS			
MW-5S						
JD41388-5	SW846 8260D	18-MAR-22 20:01	NW			V8260TCL20+
JD41388-6	Collected: 15-MAR-22 15:25 By: JN		Received: 16-MAR-22 By: TS			
TRIP BLANK						
JD41388-6	SW846 8260D	18-MAR-22 12:32	NW			V8260TCL20+
JD41388-7	Collected: 15-MAR-22 15:25 By: JN		Received: 16-MAR-22 By: TS			
FIELD BLANK						
JD41388-7	SW846 8260D	18-MAR-22 12:56	NW			V8260TCL20+
JD41388-8	Collected: 15-MAR-22 11:00 By: JN		Received: 16-MAR-22 By: TS			
DUP-1						
JD41388-8	SW846 8260D	18-MAR-22 20:24	NW			V8260TCL20+

SGS Internal Chain of Custody

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/16/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD41388-1.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-1.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-1.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-1.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-1.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-1.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-1.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-1.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-1.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-2.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-2.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-2.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-2.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-2.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-2.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-2.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-2.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-2.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-3.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-3.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-3.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-3.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-3.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-3.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-3.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				

SGS Internal Chain of Custody

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/16/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD41388-3.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-3.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-4.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-4.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-4.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-4.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-4.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-4.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-4.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-4.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-4.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-5.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-5.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-5.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-5.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-5.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-5.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-5.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-5.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-5.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-6.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-6.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-6.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-6.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-6.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage

SGS Internal Chain of Custody

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/16/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD41388-6.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-6.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-7.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-7.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-7.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-7.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-7.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-7.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-7.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-8.1	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-8.1	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-8.1	Nicholas Weigand	GCMS3D	03/18/22 17:38	Load on Instrument
Analyst chain of custody update error.				
JD41388-8.1	GCMS3D	Nicholas Weigand	03/21/22 17:50	Unload from Instrument
JD41388-8.1	Nicholas Weigand	Secured Storage	03/21/22 17:50	Return to Storage
JD41388-8.2	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-8.2	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				
JD41388-8.3	Tyler Strong	Secured Storage	03/16/22 22:10	Return to Storage
JD41388-8.3	Tyler Strong	Secured Storage	03/16/22 22:40	Return to Storage
storage				

MS Volatiles

6

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: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7404-MB	3D174722.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

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	
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	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	

Method Blank Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7404-MB	3D174722.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	Result	RL	MDL	Units	Q
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	109%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	101%	82-114%

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

Blank Spike Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7404-BS	3D174720.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	200	384	192* [a]	27-175
71-43-2	Benzene	50	52.7	105	80-115
74-97-5	Bromochloromethane	50	53.6	107	83-122
75-27-4	Bromodichloromethane	50	50.6	101	82-119
75-25-2	Bromoform	50	44.3	89	77-135
74-83-9	Bromomethane	50	77.5	155	40-162
78-93-3	2-Butanone (MEK)	200	269	135	61-150
75-15-0	Carbon disulfide	50	58.5	117	64-130
56-23-5	Carbon tetrachloride	50	52.7	105	75-127
108-90-7	Chlorobenzene	50	47.0	94	80-115
75-00-3	Chloroethane	50	52.0	104	56-144
67-66-3	Chloroform	50	51.5	103	75-116
74-87-3	Chloromethane	50	51.3	103	41-153
110-82-7	Cyclohexane	50	56.9	114	66-129
96-12-8	1,2-Dibromo-3-chloropropane	50	52.2	104	69-134
124-48-1	Dibromochloromethane	50	47.6	95	81-123
106-93-4	1,2-Dibromoethane	50	49.4	99	67-138
95-50-1	1,2-Dichlorobenzene	50	49.1	98	81-117
541-73-1	1,3-Dichlorobenzene	50	50.6	101	81-115
106-46-7	1,4-Dichlorobenzene	50	48.3	97	80-114
75-71-8	Dichlorodifluoromethane	50	82.6	165* [a]	43-152
75-34-3	1,1-Dichloroethane	50	55.5	111	75-125
107-06-2	1,2-Dichloroethane	50	51.5	103	73-117
75-35-4	1,1-Dichloroethene	50	59.8	120	70-124
156-59-2	cis-1,2-Dichloroethene	50	53.9	108	80-120
156-60-5	trans-1,2-Dichloroethene	50	54.9	110	77-121
78-87-5	1,2-Dichloropropane	50	54.0	108	79-121
10061-01-5	cis-1,3-Dichloropropene	50	54.2	108	83-123
10061-02-6	trans-1,3-Dichloropropene	50	50.7	101	83-122
100-41-4	Ethylbenzene	50	48.4	97	78-116
76-13-1	Freon 113	50	57.4	115	68-134
591-78-6	2-Hexanone	200	215	108	66-136
98-82-8	Isopropylbenzene	50	49.0	98	78-121
79-20-9	Methyl Acetate	50	64.5	129	60-143
108-87-2	Methylcyclohexane	50	50.4	101	71-123
1634-04-4	Methyl Tert Butyl Ether	50	57.6	115	76-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D7404-BS	3D174720.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	218	109	73-134
75-09-2	Methylene chloride	50	56.3	113	73-123
100-42-5	Styrene	50	48.1	96	81-125
79-34-5	1,1,2,2-Tetrachloroethane	50	51.0	102	73-126
127-18-4	Tetrachloroethene	50	49.8	100	73-119
108-88-3	Toluene	50	47.5	95	79-116
87-61-6	1,2,3-Trichlorobenzene	50	53.0	106	63-137
120-82-1	1,2,4-Trichlorobenzene	50	52.8	106	68-135
71-55-6	1,1,1-Trichloroethane	50	52.5	105	76-124
79-00-5	1,1,2-Trichloroethane	50	50.1	100	83-117
79-01-6	Trichloroethene	50	51.3	103	80-118
75-69-4	Trichlorofluoromethane	50	56.5	113	67-134
75-01-4	Vinyl chloride	50	55.5	111	52-146
	m,p-Xylene	100	95.1	95	79-119
95-47-6	o-Xylene	50	48.8	98	81-119
1330-20-7	Xylene (total)	150	144	96	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	114%	80-120%
17060-07-0	1,2-Dichloroethane-D4	103%	80-120%
2037-26-5	Toluene-D8	97%	80-120%
460-00-4	4-Bromofluorobenzene	106%	82-114%

(a) High percent recoveries and no associated positive found in the QC batch.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41239-2MS	3D174732.D	1	03/18/22	NW	n/a	n/a	V3D7404
JD41239-2	3D174729.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	JD41239-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
67-64-1	Acetone	ND		200	332	166* [a]	22-134
71-43-2	Benzene	ND		50	56.1	112	49-137
74-97-5	Bromochloromethane	ND		50	56.3	113	78-122
75-27-4	Bromodichloromethane	ND		50	53.5	107	76-121
75-25-2	Bromoform	ND		50	48.2	96	70-133
74-83-9	Bromomethane	ND		50	72.4	145	27-164
78-93-3	2-Butanone (MEK)	ND		200	275	138* [b]	52-137
75-15-0	Carbon disulfide	ND		50	62.5	125	54-136
56-23-5	Carbon tetrachloride	ND		50	57.5	115	70-132
108-90-7	Chlorobenzene	ND		50	49.1	98	68-123
75-00-3	Chloroethane	ND		50	53.2	106	48-152
67-66-3	Chloroform	ND		50	56.0	112	68-120
74-87-3	Chloromethane	ND		50	50.1	100	35-156
110-82-7	Cyclohexane	ND		50	56.9	114	53-146
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	60.4	121	63-134
124-48-1	Dibromochloromethane	ND		50	50.0	100	75-122
106-93-4	1,2-Dibromoethane	ND		50	52.6	105	63-134
95-50-1	1,2-Dichlorobenzene	ND		50	50.5	101	74-119
541-73-1	1,3-Dichlorobenzene	ND		50	51.9	104	75-117
106-46-7	1,4-Dichlorobenzene	ND		50	49.6	99	72-117
75-71-8	Dichlorodifluoromethane	ND		50	87.5	175* [a]	34-163
75-34-3	1,1-Dichloroethane	ND		50	59.6	119	68-129
107-06-2	1,2-Dichloroethane	ND		50	55.1	110	66-120
75-35-4	1,1-Dichloroethene	ND		50	63.4	127	59-133
156-59-2	cis-1,2-Dichloroethene	ND		50	57.5	115	52-140
156-60-5	trans-1,2-Dichloroethene	ND		50	59.0	118	70-125
78-87-5	1,2-Dichloropropane	ND		50	57.5	115	73-124
10061-01-5	cis-1,3-Dichloropropene	ND		50	57.6	115	75-125
10061-02-6	trans-1,3-Dichloropropene	ND		50	53.6	107	75-122
100-41-4	Ethylbenzene	ND		50	50.4	101	37-144
76-13-1	Freon 113	ND		50	61.1	122	61-142
591-78-6	2-Hexanone	ND		200	239	120	56-132
98-82-8	Isopropylbenzene	ND		50	51.6	103	71-126
79-20-9	Methyl Acetate	ND		50	70.6	141* [b]	51-139
108-87-2	Methylcyclohexane	ND		50	54.3	109	59-137
1634-04-4	Methyl Tert Butyl Ether	ND		50	61.9	124	66-124

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41239-2MS	3D174732.D	1	03/18/22	NW	n/a	n/a	V3D7404
JD41239-2	3D174729.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	JD41239-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		200	253	127	65-135
75-09-2	Methylene chloride	ND		50	59.1	118	66-125
100-42-5	Styrene	ND		50	50.2	100	71-133
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	55.1	110	68-127
127-18-4	Tetrachloroethene	ND		50	52.7	105	58-132
108-88-3	Toluene	ND		50	50.3	101	46-139
87-61-6	1,2,3-Trichlorobenzene	ND		50	55.3	111	57-136
120-82-1	1,2,4-Trichlorobenzene	ND		50	54.9	110	61-137
71-55-6	1,1,1-Trichloroethane	ND		50	55.9	112	67-132
79-00-5	1,1,2-Trichloroethane	ND		50	53.1	106	75-120
79-01-6	Trichloroethene	ND		50	55.4	111	56-136
75-69-4	Trichlorofluoromethane	ND		50	60.4	121	61-145
75-01-4	Vinyl chloride	ND		50	59.0	118	41-156
	m,p-Xylene	ND		100	98.4	98	32-151
95-47-6	o-Xylene	ND		50	50.8	102	50-139
1330-20-7	Xylene (total)	ND		150	149	99	38-147

CAS No.	Surrogate Recoveries	MS	JD41239-2	Limits
1868-53-7	Dibromofluoromethane	112%	110%	80-120%
17060-07-0	1,2-Dichloroethane-D4	109%	109%	80-120%
2037-26-5	Toluene-D8	97%	100%	80-120%
460-00-4	4-Bromofluorobenzene	104%	102%	82-114%

(a) Outside control limits.
(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41239-1DUP	3D174731.D	1	03/18/22	NW	n/a	n/a	V3D7404
JD41239-1	3D174728.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	JD41239-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
67-64-1	Acetone	5.0	J	ND		200* [a]	23
71-43-2	Benzene	ND		ND		nc	14
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	10
108-90-7	Chlorobenzene	ND		ND		nc	10
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	10
74-87-3	Chloromethane	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	14
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	10
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	15
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	10
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	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
100-41-4	Ethylbenzene	ND		ND		nc	20
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	15
79-20-9	Methyl Acetate	ND		ND		nc	20
108-87-2	Methylcyclohexane	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	12

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41239-1DUP	3D174731.D	1	03/18/22	NW	n/a	n/a	V3D7404
JD41239-1	3D174728.D	1	03/18/22	NW	n/a	n/a	V3D7404

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

JD41388-1, JD41388-2, JD41388-3, JD41388-4, JD41388-5, JD41388-6, JD41388-7, JD41388-8

CAS No.	Compound	JD41239-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
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	ND		ND		nc	16
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	ND		ND		nc	14
75-69-4	Trichlorofluoromethane	ND		ND		nc	10
75-01-4	Vinyl chloride	ND		ND		nc	10
	m,p-Xylene	ND		ND		nc	18
95-47-6	o-Xylene	ND		ND		nc	18
1330-20-7	Xylene (total)	ND		ND		nc	22

CAS No.	Surrogate Recoveries	DUP	JD41239-1	Limits
1868-53-7	Dibromofluoromethane	108%	111%	80-120%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	80-120%
2037-26-5	Toluene-D8	100%	101%	80-120%
460-00-4	4-Bromofluorobenzene	101%	103%	82-114%

(a) High RPD due to low concentration of hit.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3D7392-BFB
Lab File ID: 3D174401.D
Instrument ID: GCMS3D
Injection Date: 03/10/22
Injection Time: 13:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	22989	17.4		Pass
75	30.0 - 60.0% of mass 95	67101	50.7		Pass
95	Base peak, 100% relative abundance	132330	100.0		Pass
96	5.0 - 9.0% of mass 95	8493	6.42		Pass
173	Less than 2.0% of mass 174	1085	0.82	(0.95) [a]	Pass
174	50.0 - 120.0% of mass 95	114125	86.2		Pass
175	5.0 - 9.0% of mass 174	8390	6.34	(7.35) [a]	Pass
176	95.0 - 101.0% of mass 174	110925	83.8	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	7141	5.40	(6.44) [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
V3D7392-IC7392	3D174402.D	03/10/22	13:38	00:35	Initial cal 0.2
V3D7392-IC7392	3D174403.D	03/10/22	14:01	00:58	Initial cal 0.5
V3D7392-IC7392	3D174404.D	03/10/22	14:25	01:22	Initial cal 1
V3D7392-IC7392	3D174405.D	03/10/22	14:48	01:45	Initial cal 2
V3D7392-IC7392	3D174406.D	03/10/22	15:11	02:08	Initial cal 4
V3D7392-IC7392	3D174407.D	03/10/22	15:35	02:32	Initial cal 8
V3D7392-IC7392	3D174408.D	03/10/22	15:58	02:55	Initial cal 20
V3D7392-ICC7392	3D174409.D	03/10/22	16:21	03:18	Initial cal 50
V3D7392-IC7392	3D174410.D	03/10/22	16:45	03:42	Initial cal 100
V3D7392-IC7392	3D174411.D	03/10/22	17:08	04:05	Initial cal 200
V3D7392-ICV7392	3D174414.D	03/10/22	18:18	05:15	Initial cal verification 50
V3D7392-ICV7392	3D174415.D	03/10/22	18:42	05:39	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3D7392-BFB2
Lab File ID: 3D174418.D
Instrument ID: GCMS3D
Injection Date: 03/11/22
Injection Time: 09:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	22472	16.8		Pass
75	30.0 - 60.0% of mass 95	66368	49.5		Pass
95	Base peak, 100% relative abundance	134130	100.0		Pass
96	5.0 - 9.0% of mass 95	8876	6.62		Pass
173	Less than 2.0% of mass 174	1119	0.83	(0.99) [a]	Pass
174	50.0 - 120.0% of mass 95	113250	84.4		Pass
175	5.0 - 9.0% of mass 174	8771	6.54	(7.74) [a]	Pass
176	95.0 - 101.0% of mass 174	110176	82.1	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7095	5.29	(6.44) [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
V3D7392-ICV7392	3D174419.D	03/11/22	09:41	00:23	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3D7404-BFB
Lab File ID: 3D174718.D
Instrument ID: GCMS3D
Injection Date: 03/18/22
Injection Time: 10:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	29741	18.5		Pass
75	30.0 - 60.0% of mass 95	84021	52.3		Pass
95	Base peak, 100% relative abundance	160661	100.0		Pass
96	5.0 - 9.0% of mass 95	11182	6.96		Pass
173	Less than 2.0% of mass 174	1089	0.68	(0.80) [a]	Pass
174	50.0 - 120.0% of mass 95	135824	84.5		Pass
175	5.0 - 9.0% of mass 174	9933	6.18	(7.31) [a]	Pass
176	95.0 - 101.0% of mass 174	134989	84.0	(99.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9159	5.70	(6.78) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D7404-CC7392	3D174718.D	03/18/22	10:06	00:00	Continuing cal 20
V3D7404-BS	3D174720.D	03/18/22	11:21	01:15	Blank Spike
V3D7404-MB	3D174722.D	03/18/22	12:08	02:02	Method Blank
JD41388-6	3D174723.D	03/18/22	12:32	02:26	TRIP BLANK
JD41388-7	3D174724.D	03/18/22	12:56	02:50	FIELD BLANK
ZZZZZZ	3D174725.D	03/18/22	13:21	03:15	(unrelated sample)
ZZZZZZ	3D174726.D	03/18/22	13:44	03:38	(unrelated sample)
JD41239-1	3D174728.D	03/18/22	14:31	04:25	(used for QC only; not part of job JD41388)
JD41239-2	3D174729.D	03/18/22	14:55	04:49	(used for QC only; not part of job JD41388)
ZZZZZZ	3D174730.D	03/18/22	15:18	05:12	(unrelated sample)
JD41239-1DUP	3D174731.D	03/18/22	15:42	05:36	Duplicate
JD41239-2MS	3D174732.D	03/18/22	16:05	05:59	Matrix Spike
ZZZZZZ	3D174734.D	03/18/22	16:52	06:46	(unrelated sample)
ZZZZZZ	3D174735.D	03/18/22	17:16	07:10	(unrelated sample)
ZZZZZZ	3D174736.D	03/18/22	17:39	07:33	(unrelated sample)
ZZZZZZ	3D174737.D	03/18/22	18:03	07:57	(unrelated sample)
JD41388-1	3D174738.D	03/18/22	18:27	08:21	MW-1S
JD41388-2	3D174739.D	03/18/22	18:50	08:44	MW-2S
JD41388-3	3D174740.D	03/18/22	19:14	09:08	MW-4S
JD41388-4	3D174741.D	03/18/22	19:37	09:31	MW-4I
JD41388-5	3D174742.D	03/18/22	20:01	09:55	MW-5S
JD41388-8	3D174743.D	03/18/22	20:24	10:18	DUP-1
ZZZZZZ	3D174744.D	03/18/22	20:48	10:42	(unrelated sample)
ZZZZZZ	3D174745.D	03/18/22	21:12	11:06	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample:	V3D7404-BFB	**Injection Date:**	03/18/22
Lab File ID:	3D174718.D	**Injection Time:**	10:06
Instrument ID:	GCMS3D		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3D174746.D	03/18/22	21:35	11:29	(unrelated sample)

Internal Standard Area Summary

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V3D7404-CC7392	**Injection Date:**	03/18/22
Lab File ID:	3D174718.D	**Injection Time:**	10:06
Instrument ID:	GCMS3D	**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	122325	2.87	391294	4.06	578287	4.62	560383	6.99	297690	9.18
Upper Limit [a]	244650	3.37	782588	4.56	1156574	5.12	1120766	7.49	595380	9.68
Lower Limit [b]	61163	2.37	195647	3.56	289144	4.12	280192	6.49	148845	8.68

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3D7404-BS	124149	2.87	390306	4.07	595911	4.62	582597	7.00	307605	9.19
V3D7404-MB	153255	2.87	415190	4.06	584585	4.62	571366	7.00	310909	9.19
JD41388-6	161816	2.87	417018	4.07	582588	4.62	563044	7.00	307509	9.19
JD41388-7	157495	2.87	415192	4.07	583117	4.62	563164	6.99	300794	9.19
ZZZZZZ	158757	2.87	410221	4.07	571334	4.62	569199	6.99	313591	9.19
ZZZZZZ	155287	2.87	407721	4.06	593327	4.62	563649	7.00	313468	9.19
JD41239-1	159675	2.87	404089	4.07	573948	4.62	551999	7.00	300613	9.19
JD41239-2	168671	2.87	401147	4.07	570195	4.62	545328	6.99	301878	9.18
ZZZZZZ	159075	2.87	397184	4.07	564902	4.62	540138	7.00	298492	9.19
JD41239-1DUP	159902	2.87	394897	4.07	570021	4.62	544750	7.00	299277	9.18
JD41239-2MS	150312	2.87	368085	4.07	563985	4.62	557787	7.00	301363	9.19
ZZZZZZ	165694	2.87	410361	4.07	581420	4.62	562550	7.00	307436	9.19
ZZZZZZ	166016	2.87	424794	4.06	614038	4.62	578072	7.00	322130	9.19
ZZZZZZ	163865	2.87	411674	4.07	586421	4.62	562401	7.00	306364	9.18
ZZZZZZ	161875	2.87	409088	4.07	576480	4.62	552962	7.00	304103	9.18
JD41388-1	168029	2.87	395296	4.07	564113	4.62	544687	7.00	301658	9.19
JD41388-2	162910	2.87	407485	4.07	578765	4.62	548588	7.00	297552	9.19
JD41388-3	166043	2.87	416702	4.07	598507	4.62	561111	7.00	316985	9.19
JD41388-4	150872	2.87	416801	4.06	589060	4.62	562855	6.99	310635	9.18
JD41388-5	153683	2.87	414193	4.07	589940	4.62	556443	7.00	310023	9.19
JD41388-8	155046	2.87	402452	4.07	581701	4.62	548166	7.00	301635	9.19
ZZZZZZ	142571	2.87	379855	4.07	545120	4.62	526894	6.99	288214	9.19
ZZZZZZ	144540	2.87	389977	4.07	557393	4.62	531094	7.00	292768	9.19
ZZZZZZ	154869	2.87	396454	4.07	556820	4.62	539686	7.00	305788	9.19

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: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, 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
JD41388-1	3D174738.D	109	106	100	100
JD41388-2	3D174739.D	106	105	100	103
JD41388-3	3D174740.D	103	108	100	102
JD41388-4	3D174741.D	102	105	100	101
JD41388-5	3D174742.D	103	107	102	102
JD41388-6	3D174723.D	109	106	100	101
JD41388-7	3D174724.D	107	108	100	103
JD41388-8	3D174743.D	103	104	100	101
JD41239-1DUP	3D174731.D	108	107	100	101
JD41239-2MS	3D174732.D	112	109	97	104
V3D7404-BS	3D174720.D	114	103	97	106
V3D7404-MB	3D174722.D	109	106	99	101

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JD41388 **Sample:** V3D7392-ICC7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174409.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Response Factor Report MS3D

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
Last Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Calibration Files
1 =3D174404.D 0.5 =3D174403.D 100 =3D174410.D 50 =3D174409.D
20 =3D174408.D 200 =3D174411.D 4 =3D174406.D 2 =3D174405.D
8 =3D174407.D 0.2 =3D174402.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											
		1.593	1.560	1.435	1.442	1.351	1.395	1.596	1.592	1.518	1.498	6.30
3)	ethanol											
		0.111		0.067	0.069	0.080		0.094	0.117	0.097	0.091	21.38
	----- Quadratic regression ----- Coefficient = 0.9962											
	Response Ratio = 0.01085 + 0.07902 *A + -0.00066 *A^2											
4)	1,4-dioxane											
		0.101		0.078	0.082	0.087	0.087	0.092	0.088	0.107	0.090	10.56
5) I	pentafluorobenzene ----------ISTD----------											
6)	chlorodifluoromethane *This compound fails Initial Calibration criteria*											
				0.427	0.414	0.437	0.398	0.502		0.447	0.437	8.28
7)	dichlorodifluoromethane											
				0.529	0.485	0.492	0.525	0.554	0.541	0.493	0.517	5.25
8)	chloromethane											
		0.607		0.437	0.451	0.480	0.387	0.539	0.530	0.504	0.492	13.95
9)	vinyl chloride											
		0.587		0.501	0.519	0.530	0.446	0.572	0.551	0.544	0.531	8.31
10)	1,3-butadiene											
				0.460	0.470	0.518		0.710		0.564	0.544	18.68
11)	bromomethane											
		0.212	0.217	0.260	0.188	0.181		0.175	0.164	0.145	0.193	18.62
12)	chloroethane											
		0.432		0.318	0.312	0.329	0.300	0.389	0.427	0.357	0.358	14.65
13)	trichlorofluoromethane											
		0.796	0.868	0.682	0.702	0.733	0.631	0.850	0.815	0.766	0.832	0.768	10.22
14)	ethyl ether											
		0.254	0.259	0.225	0.231	0.238	0.209	0.279	0.268	0.266	0.248	9.37
15)	acrolein											
				0.064	0.067	0.068	0.062	0.078	0.085	0.066	0.070	11.99
16)	freon 113											
		0.339	0.361	0.338	0.350	0.378	0.328	0.413	0.392	0.399	0.382	0.368	7.87
17)	1,1-dichloroethene											
		0.363	0.381	0.324	0.340	0.363	0.302	0.449	0.390	0.382	0.366	11.64
18)	acetone											
				0.023	0.027	0.030	0.022	0.034	0.025	0.032	0.028	15.82
19)	acetonitrile											
				0.031	0.036	0.037	0.028			0.046	0.036	19.83
20)	iodomethane *This compound fails Initial Calibration criteria*											
				0.445	0.344	0.249	0.464	0.159	0.132	0.182	0.282	48.46
21)	carbon disulfide											
		1.091	1.136	0.929	0.971	1.041	0.839	1.193	1.111	1.112	1.047	10.80

22) methylene chloride
0.403 0.410 0.438 0.366 0.534 0.523 0.462 0.448 14.02
23) methyl acetate
0.224 0.250 0.260 0.203 0.346 0.289 0.262 19.46
24) methyl tert butyl ether
1.183 1.145 1.077 1.140 1.204 0.969 1.376 1.244 1.277 1.261 1.188 9.58
25) trans-1,2-dichloroethene
0.440 0.469 0.376 0.394 0.422 0.350 0.490 0.452 0.453 0.427 10.70
26) di-isopropyl ether
1.219 1.019 1.085 1.185 0.901 1.417 1.275 1.255 1.169 13.87
27) 2-butanone
0.046 0.040 0.043 0.043 0.040 0.054 0.040 0.048 0.044 11.19
28) 1,1-dichloroethane
0.828 0.762 0.633 0.670 0.728 0.572 0.835 0.803 0.749 0.770 0.735 11.70
29) chloroprene
0.627 0.690 0.557 0.584 0.610 0.502 0.689 0.639 0.658 0.719 0.628 10.61
30) acrylonitrile
0.119 0.124 0.120 0.113 0.139 0.126 0.123 7.11
31) hexane
0.438 0.342 0.353 0.369 0.309 0.440 0.389 0.385 0.378 11.97
32) vinyl acetate
0.111 0.110 0.103 0.108 0.112 0.103 0.123 0.096 0.105 0.108 6.98
33) ethyl tert-butyl ether
1.399 1.255 1.200 1.255 1.318 1.072 1.438 1.337 1.406 1.284 1.296 8.45
34) ethyl acetate
0.051 0.052 0.058 0.050 0.069 0.062 0.066 0.058 13.13
35) 2,2-dichloropropane
0.733 0.622 0.642 0.687 0.550 0.797 0.767 0.744 0.693 12.05
36) cis-1,2-dichloroethene
0.481 0.490 0.441 0.450 0.466 0.406 0.530 0.494 0.490 0.555 0.480 8.94
37) methyl acrylate
0.075 0.075 0.063 0.066 0.066 0.062 0.086 0.069 0.073 0.071 10.80
38) propionitrile
0.051 0.040 0.044 0.046 0.037 0.058 0.047 0.053 0.047 14.97
39) bromochloromethane
0.284 0.267 0.247 0.246 0.235 0.244 0.260 0.220 0.254 0.251 7.32
40) tetrahydrofuran
0.079 0.091 0.101 0.079 0.124 0.095 19.88
41) chloroform
0.705 0.479 0.486 0.514 0.436 0.622 0.562 0.554 0.545 15.94
42) t-butyl formate
0.388 0.463 0.385 0.413 0.408 0.357 0.479 0.467 0.442 0.490 0.429 10.56
43) dibromofluoromethane (s)
0.437 0.444 0.438 0.424 0.430 0.423 0.443 0.437 0.439 0.425 0.434 1.84
44) methacrylonitrile
0.172 0.150 0.164 0.167 0.152 0.216 0.159 0.178 0.170 12.28
45) 1,1,1-trichloroethane
0.761 0.819 0.693 0.703 0.709 0.645 0.826 0.719 0.752 0.882 0.751 9.64
46) cyclohexane
0.798 0.740 0.637 0.650 0.661 0.595 0.698 0.699 0.681 0.684 8.69
47) 1,1-dichloropropene
0.586 0.563 0.530 0.549 0.574 0.482 0.657 0.602 0.582 0.601 0.572 8.19
48) iso-butyl alcohol
0.007 0.008 0.009 0.007 0.011 0.010 0.009# 18.23
49) carbon tetrachloride
0.641 0.653 0.626 0.644 0.656 0.586 0.721 0.632 0.691 0.614 0.646 5.90
50) tert amyl alcohol *This compound fails Initial Calibration criteria*
0.008 0.010 0.010 0.011 0.014 0.011 21.18
----- Quadratic regression ----- Coefficient = 0.9920
Response Ratio = 0.00049 + 0.01135 *A + -0.00033 *A^2

```
51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.348 0.348 0.309 0.312 0.326 0.294 0.343 0.343 0.344 0.338  0.330    5.84
53)  n-butyl alcohol
                0.003 0.004 0.004 0.004 0.005 0.004 0.005        0.004#  14.51
54)  2,2,4-trimethylpentane
      0.983       0.778 0.818 0.869 0.715 1.004 0.967 0.917        0.881   11.87
55)  benzene
      1.159 1.161 0.998 1.051 1.100 0.901 1.302 1.170 1.171        1.113   10.49
56)  tert-amyl methyl ether
      0.241 0.229 0.208 0.216 0.219 0.207 0.254 0.216 0.229 0.198  0.222    7.69
57)  heptane
      0.262 0.306 0.230 0.229 0.234 0.215 0.258 0.255 0.244        0.248   10.73
58)  isopropyl acetate
                0.066 0.068 0.068 0.066 0.077       0.076        0.070    7.08
59)  1,2-dichloroethane
      0.445       0.361 0.382 0.400 0.335 0.463 0.466 0.435        0.411   11.89
60)  trichloroethene
      0.333 0.322 0.350 0.357 0.339 0.349 0.365 0.326 0.347 0.356  0.344    4.10
61)  ethyl acrylate
                0.290 0.317 0.323 0.275 0.397       0.363        0.328   13.89
62)  2-nitropropane
                0.074 0.080 0.083 0.074 0.097 0.089 0.100        0.085   12.21
63)  2-chloroethyl vinyl ether
      0.151 0.151 0.161 0.170 0.174 0.148 0.191 0.165 0.188 0.144  0.164   10.15
64)  methyl methacrylate
      0.081 0.070 0.077 0.079 0.080 0.077 0.091 0.074 0.084        0.079    7.55
65)  1,2-dichloropropane
      0.309 0.316 0.270 0.280 0.281 0.256 0.341 0.282 0.299 0.275  0.291    8.65
66)  dibromomethane
      0.207 0.212 0.178 0.188 0.184 0.176 0.226 0.187 0.202        0.195    8.73
67)  methylcyclohexane
      0.500 0.575 0.487 0.499 0.513 0.458 0.588 0.537 0.560        0.524    8.29
68)  bromodichloromethane
      0.441 0.548 0.412 0.417 0.423 0.389 0.468 0.443 0.435        0.442   10.33
69)  epichlorohydrin
                0.022 0.024 0.024 0.022             0.028        0.024    9.96
70)  cis-1,3-dichloropropene
      0.469 0.576 0.486 0.498 0.495 0.465 0.566 0.490 0.506 0.466  0.502    7.81
71)  4-methyl-2-pentanone
      0.092 0.103 0.086 0.091 0.091 0.081 0.106 0.088 0.101        0.093    8.94
72)  3-methyl-1-butanol
                0.007 0.007 0.008 0.007 0.010 0.010 0.009        0.008#  17.64

73) I   chlorobenzene-d5      ----------------ISTD---------------------
74)  toluene-d8 (s)
      1.313 1.290 1.181 1.202 1.268 1.157 1.329 1.316 1.317 1.316  1.269    5.08
75)  toluene
      0.825 0.953 0.746 0.791 0.819 0.686 0.972 0.905 0.887 0.961  0.855   11.37
76)  trans-1,3-dichloropropene
      0.463 0.512 0.457 0.483 0.490 0.440 0.543 0.481 0.515 0.542  0.493    7.10
77)  ethyl methacrylate
      0.437       0.365 0.390 0.415 0.339 0.487 0.435 0.441        0.414   11.46
78)  1,1,2-trichloroethane
      0.226       0.216 0.229 0.230 0.212 0.285 0.243 0.265        0.238   10.54
79)  tetrachloroethene
      0.303 0.318 0.294 0.307 0.318 0.286 0.366 0.329 0.347 0.332  0.320    7.63
80)  1,3-dichloropropane
```

```
      0.491 0.497 0.421 0.454 0.484 0.403 0.565 0.499 0.520 0.535  0.487   10.21
 81)  2-hexanone
      0.093 0.102 0.077 0.087 0.094 0.074 0.112 0.096 0.105 0.101  0.094   12.82
 82)  butyl acetate
                0.159 0.171 0.182 0.155 0.227 0.202 0.201        0.185   14.07
 83)  dibromochloromethane
      0.365 0.390 0.353 0.369 0.359 0.359 0.381 0.362 0.378 0.412  0.373    4.80
 84)  1,2-dibromoethane
      0.305 0.339 0.291 0.313 0.311 0.292 0.340 0.302 0.318 0.264  0.307    7.41
 85)  n-butyl ether
      1.417 1.607 1.092 1.227 1.331 0.941 1.567 1.546 1.489 1.589  1.380   16.60
 86)  chlorobenzene
      1.015 1.045 0.906 0.931 0.960 0.817 1.092 0.971 1.019 1.059  0.982    8.36
 87)  1,1,1,2-tetrachloroethane
      0.352 0.388 0.352 0.349 0.347 0.329 0.398 0.327 0.372 0.356  0.357    6.42
 88)  ethylbenzene
      1.658 1.581 1.291 1.449 1.576 1.109 1.842 1.636 1.730        1.541   14.68
 89)  m,p-xylene
      0.666 0.708 0.590 0.641 0.649 0.519 0.770 0.680 0.700 0.677  0.660   10.36
 90)  o-xylene
      0.644 0.663 0.632 0.657 0.684 0.567 0.745 0.661 0.694 0.731  0.668    7.56
 91)  styrene
      1.107 1.037 0.994 1.097 1.099 0.858 1.233 1.077 1.163 1.251  1.092   10.50
 92)  bromoform
      0.234 0.211 0.283 0.276 0.243 0.276 0.258 0.224 0.255 0.220  0.248   10.38
 93)  butyl acrylate
                0.520 0.564 0.578 0.475 0.672       0.623        0.572   12.34
 94)  n-amyl acetate
      0.268 0.275 0.213 0.234 0.231 0.199 0.261 0.229 0.250        0.240   10.65
 95)  isopropylbenzene
      1.731 1.752 1.518 1.661 1.672 1.269 1.802 1.684 1.733 1.654  1.648    9.30
 96)  cis-1,4-dichloro-2-butene
                0.123 0.127 0.112 0.123 0.112 0.095 0.107        0.114    9.84

 97) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 98)  4-bromofluorobenzene (s)
      0.935 0.925 0.855 0.820 0.953 0.867 0.931 0.946 0.939 0.929  0.910    5.02
 99)  bromobenzene
      0.838 0.875 0.741 0.723 0.822 0.708 0.879 0.791 0.878        0.806    8.50
100)  1,1,2,2-tetrachloroethane
      0.720 0.728 0.574 0.585 0.665 0.562 0.741 0.722 0.693        0.665   10.90
101)  trans-1,4-dichloro-2-butene
                0.122 0.129 0.144 0.126 0.164       0.161        0.141   12.81
102)  1,2,3-trichloropropane
                0.189 0.195 0.220 0.186 0.255 0.204 0.241        0.213   12.59
103)  n-propylbenzene
      3.396 3.803 2.732 3.063 3.588 2.392 4.101 3.698 3.848        3.402   16.61
104)  2-chlorotoluene
      0.748 0.899 0.720 0.737 0.791 0.684 0.938 0.851 0.859 0.828  0.806   10.29
105)  4-chlorotoluene
      0.910 0.788 0.736 0.778 0.826 0.690 0.874 0.830 0.871 0.889  0.819    8.66
106)  1,3,5-trimethylbenzene
      2.425 2.746 2.132 2.362 2.645 1.889 2.944 2.644 2.739 2.712  2.524   12.73
107)  tert-butylbenzene
      0.697 0.585 0.584 0.600 0.635 0.566 0.712 0.633 0.629        0.627    8.03
108)  1,2,4-trimethylbenzene
      2.583 2.569 2.190 2.425 2.682 1.937 3.002 2.719 2.792 2.415  2.531   12.12
109)  sec-butylbenzene
      3.108 3.189 2.687 2.977 3.290 2.373 3.669 3.270 3.418 3.300  3.128   11.88
110)  1,3-dichlorobenzene
```

Initial Calibration Summary

Job Number: JD41388 **Sample:** V3D7392-ICC7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174409.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

```
       1.369 1.589 1.416 1.502 1.574 1.312 1.660 1.552 1.598 1.542  1.511    7.36
111)  p-isopropyltoluene
       2.586 2.624 2.337 2.599 2.846 2.056 3.062 2.741 2.886 2.714  2.645   10.80
112)  1,4-dichlorobenzene
       1.368 1.640 1.369 1.466 1.468 1.263 1.667 1.610 1.586 1.746  1.518   10.23
113)  1,2,3-trimethylbenzene
       2.507       2.127 2.357 2.517 1.892 2.945 2.680 2.769        2.474   13.90
114)  benzyl chloride
       1.336 1.564 1.211 1.329 1.392 1.152 1.513 1.468 1.523 1.327  1.382    9.88
115)  1,2-dichlorobenzene
       1.372 1.442 1.303 1.401 1.432 1.200 1.633 1.447 1.550 1.530  1.431    8.68
116)  n-butylbenzene
       1.144 1.238 1.128 1.204 1.325 1.057 1.392 1.296 1.364 1.423  1.257    9.78
117)  1,2-dibromo-3-chloropropane
       0.151 0.126 0.163 0.159 0.160 0.178 0.177 0.161 0.152        0.159    9.84
118)  1,3,5-trichlorobenzene
       0.932 0.884 1.010 1.024 1.047 1.011 1.103 1.096 1.054 1.111  1.027    7.18
119)  1,2,4-trichlorobenzene
       0.856 0.769 0.835 0.814 0.807 0.845 0.894 0.830 0.828 0.904  0.838    4.75
120)  hexachlorobutadiene
       0.263 0.298 0.319 0.324 0.322 0.333 0.342 0.358 0.337        0.322    8.58
121)  naphthalene
       1.864 1.848 1.795 1.888 1.924 1.726 2.115 1.843 2.017 2.082  1.910    6.56
122)  1,2,3-trichlorobenzene
       0.589 0.677 0.718 0.693 0.686 0.745 0.772 0.687 0.718 0.648  0.693    7.34
123)  hexachloroethane
       0.361       0.413 0.399 0.403 0.420 0.401 0.384 0.361        0.393    5.63
124)  2-methylnaphthalene
       0.831       0.999 0.964 0.859 1.125 0.928 0.830 0.935        0.934   10.62
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3D7392.M         Fri Mar 11 18:53:53 2022   3D
```

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174414.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3D7392\3D174414.D Vial: 14
Acq On : 10 Mar 2022 6:18 pm Operator: brittank
Sample : icv7392-50 Inst : MS3D
Misc : MS57062,V3D7392,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
Last Update : Fri Mar 11 09:53:10 2022
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	100	0.00	2.87
2 M	tertiary butyl alcohol	1.498	1.484	0.9	102	0.00	2.93
	---------- True	Calc.	% Drift	----------			
3	ethanol	5000.000	4416.386	11.7	94	0.00	2.32
	---------- AvgRF	CCRF	% Dev	----------			
4 M	1,4-dioxane	0.090	0.077	14.4	92	0.00	5.04
5 I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	4.06
6	chlorodifluoromethane	----------NA----------					
7 M	dichlorodifluoromethane	0.517	0.441	14.7	90	0.00	1.53
8 M	chloromethane	0.492	0.483	1.8	106	0.00	1.67
9 M	vinyl chloride	0.531	0.611	-15.1	117	0.00	1.75
10	1,3-butadiene	0.544	0.578	-6.2	122	0.00	1.78
11 M	bromomethane	0.193	0.278	-44.0#	147	0.00	1.99
12 M	chloroethane	0.358	0.342	4.5	109	0.00	2.06
13 M	trichlorofluoromethane	0.768	0.718	6.5	101	0.00	2.24
14 M	ethyl ether	0.248	0.257	-3.6	111	0.00	2.42
15 M	acrolein	0.070	0.063	10.0	93	0.00	2.50
16	freon 113	0.368	0.363	1.4	103	0.00	2.59
17 M	1,1-dichloroethene	0.366	0.366	0.0	107	0.00	2.59
18 M	acetone	0.028	0.028	0.0	102	0.00	2.59
19 M	acetonitrile	----------NA----------					
20 M	iodomethane	0.282	0.358	-27.0	103	0.00	2.69
21 M	carbon disulfide	1.047	1.124	-7.4	115	0.00	2.75
22 M	methylene chloride	0.448	0.445	0.7	107	0.00	2.90
23 M	methyl acetate	0.262	0.255	2.7	101	0.00	2.79
24 M	methyl tert butyl ether	1.188	1.210	-1.9	105	0.00	3.06
25 M	trans-1,2-dichloroethene	0.427	0.427	0.0	107	0.00	3.08
26 M	di-isopropyl ether	1.169	1.108	5.2	101	0.00	3.37
27 M	2-butanone	0.044	0.046	-4.5	106	0.00	3.71
28 M	1,1-dichloroethane	0.735	0.713	3.0	105	0.00	3.36
29 M	chloroprene	0.628	0.623	0.8	106	0.00	3.42
30 M	acrylonitrile	----------NA----------					
31	hexane	0.378	0.315	16.7	88	0.00	3.26
32 M	vinyl acetate	0.108	0.111	-2.8	102	0.00	3.34
33 M	ethyl tert-butyl ether	1.296	1.241	4.2	98	0.00	3.61
34 M	ethyl acetate	0.058	0.056	3.4	106	0.00	3.73
35 M	2,2-dichloropropane	0.693	0.671	3.2	104	0.00	3.75
36 M	cis-1,2-dichloroethene	0.480	0.477	0.6	105	0.00	3.74
37	methyl acrylate	0.071	0.072	-1.4	108	0.00	3.77

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174414.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

38	M	propionitrile	0.047	0.043	8.5	97	0.00	3.75
39	M	bromochloromethane	0.251	0.268	-6.8	108	0.00	3.90
40	M	tetrahydrofuran	0.095	0.097	-2.1	106	0.00	3.92
41	M	chloroform	0.545	0.517	5.1	105	0.00	3.96
42	M	t-butyl formate	0.429	0.374	12.8	90	0.00	3.98
43	S	dibromofluoromethane (s)	0.434	0.441	-1.6	103	0.00	4.07
44	M	methacrylonitrile	0.170	0.167	1.8	101	0.00	3.86
45	M	1,1,1-trichloroethane	0.751	0.740	1.5	104	0.00	4.10
46		cyclohexane	0.684	0.725	-6.0	111	0.00	4.17
47		1,1-dichloropropene	0.572	0.597	-4.4	108	0.00	4.21
48		iso-butyl alcohol	0.009	0.008#	11.1	99	0.00	4.20
49		carbon tetrachloride	0.646	0.688	-6.5	106	0.00	4.21

			True	Calc.	% Drift			
50		tert amyl alcohol	250.000	231.701	7.3	94	0.00	4.29

			AvgRF	CCRF	% Dev			
51	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.330	0.314	4.8	101	0.00	4.31
53	M	n-butyl alcohol	0.004	0.004#	0.0	100	0.00	4.68
54		2,2,4-trimethylpentane	0.881	0.838	4.9	103	0.00	4.42
55	M	benzene	1.113	1.129	-1.4	108	0.00	4.35
56	M	tert-amyl methyl ether	0.222	0.215	3.2	100	0.00	4.42
57	M	heptane	0.248	0.246	0.8	108	0.00	4.54
58	M	isopropyl acetate	0.070	0.070	0.0	103	0.00	4.32
59	M	1,2-dichloroethane	0.411	0.400	2.7	105	0.00	4.37
60	M	trichloroethene	0.344	0.371	-7.8	105	0.00	4.82
61		ethyl acrylate	0.328	0.319	2.7	101	0.00	4.83
62	M	2-nitropropane	0.085	0.083	2.4	104	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.164	0.182	-11.0	108	0.00	5.39
64	M	methyl methacrylate	0.079	0.084	-6.3	107	0.00	5.01
65	M	1,2-dichloropropane	0.291	0.277	4.8	100	0.00	5.00
66	M	dibromomethane	0.195	0.195	0.0	105	0.00	5.07
67	M	methylcyclohexane	0.524	0.544	-3.8	110	0.00	5.01
68	M	bromodichloromethane	0.442	0.439	0.7	106	0.00	5.19
69		epichlorohydrin	0.024	0.024	0.0	103	0.00	5.43
70	M	cis-1,3-dichloropropene	0.502	0.518	-3.2	105	0.00	5.53
71	M	4-methyl-2-pentanone	0.093	0.095	-2.2	104	0.00	5.62
72	M	3-methyl-1-butanol	0.008	0.008#	0.0	109	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	7.00
74	S	toluene-d8 (s)	1.269	1.209	4.7	102	0.00	5.76
75		toluene	0.855	0.837	2.1	107	0.00	5.81
76		trans-1,3-dichloropropene	0.493	0.498	-1.0	104	0.00	5.98
77		ethyl methacrylate	0.414	0.403	2.7	105	0.00	6.01
78		1,1,2-trichloroethane	0.238	0.239	-0.4	106	0.00	6.15
79	M	tetrachloroethene	----------NA----------					
80	M	1,3-dichloropropane	0.487	0.480	1.4	107	0.00	6.29
81		2-hexanone	0.094	0.091	3.2	105	0.00	6.31
82	M	butyl acetate	0.185	0.185	0.0	109	0.00	6.40
83	M	dibromochloromethane	0.373	0.379	-1.6	104	0.00	6.48
84	M	1,2-dibromoethane	0.307	0.327	-6.5	106	0.00	6.59
85		n-butyl ether	1.380	1.215	12.0	100	0.00	7.09
86	M	chlorobenzene	0.982	0.979	0.3	106	0.00	7.03
87	M	1,1,1,2-tetrachloroethane	0.357	0.368	-3.1	107	0.00	7.09
88	M	ethylbenzene	1.541	1.506	2.3	105	0.00	7.10
89	M	m,p-xylene	0.660	0.674	-2.1	106	0.00	7.22
90	M	o-xylene	0.668	0.684	-2.4	105	0.00	7.57
91	M	styrene	1.092	1.123	-2.8	104	0.00	7.59

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174414.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

92	M	bromoform	0.248	0.288	-16.1	106	0.00	7.76
93		butyl acrylate	0.572	0.594	-3.8	107	0.00	7.49
94		n-amyl acetate	0.240	0.233	2.9	101	0.00	7.70
95		isopropylbenzene	1.648	1.730	-5.0	105	0.00	7.91
96		cis-1,4-dichloro-2-butene	0.114	0.129	-13.2	102	0.00	7.95
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	9.18
98	S	4-bromofluorobenzene (s)	0.910	0.870	4.4	104	0.00	8.07
99	M	bromobenzene	0.806	0.819	-1.6	111	0.00	8.21
100	M	1,1,2,2-tetrachloroethane	0.665	0.642	3.5	108	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.141	0.144	-2.1	109	0.00	8.22
102	M	1,2,3-trichloropropane	0.213	0.216	-1.4	108	0.00	8.24
103	M	n-propylbenzene	3.402	3.252	4.4	104	0.00	8.31
104	M	2-chlorotoluene	0.806	0.795	1.4	106	0.00	8.40
105	M	4-chlorotoluene	0.819	0.823	-0.5	104	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.524	2.485	1.5	103	0.00	8.48
107	M	tert-butylbenzene	0.627	0.691	-10.2	113	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.531	2.444	3.4	99	0.00	8.84
109	M	sec-butylbenzene	3.128	3.127	0.0	103	0.00	8.99
110	M	1,3-dichlorobenzene	1.511	1.568	-3.8	102	0.00	9.12
111	M	p-isopropyltoluene	2.645	2.733	-3.3	103	0.00	9.14
112	M	1,4-dichlorobenzene	1.518	1.539	-1.4	103	0.00	9.21
113		1,2,3-trimethylbenzene	----------NA----------					
114		benzyl chloride	1.382	1.295	6.3	96	0.00	9.31
115	M	1,2-dichlorobenzene	1.431	1.453	-1.5	102	0.00	9.56
116	M	n-butylbenzene	1.257	1.275	-1.4	104	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.159	0.181	-13.8	111	0.00	10.32
118		1,3,5-trichlorobenzene	1.027	1.061	-3.3	102	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.838	0.872	-4.1	105	0.00	11.15
120	M	hexachlorobutadiene	0.322	0.336	-4.3	102	0.00	11.30
121	M	naphthalene	1.910	1.996	-4.5	104	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.693	0.745	-7.5	105	0.00	11.63
123	m	hexachloroethane	0.393	0.432	-9.9	106	0.00	9.84
124		2-methylnaphthalene	0.934	0.969	-3.7	99	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D174409.D M3D7392.M Fri Mar 11 18:53:38 2022 3D

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174415.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3D7392\3D174415.D Vial: 15
Acq On : 10 Mar 2022 6:42 pm Operator: brittank
Sample : icv7392-50 Inst : MS3D
Misc : MS57062,V3D7392,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
Last Update : Fri Mar 11 09:53:10 2022
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	101	0.00	2.87
2 M	tertiary butyl alcohol		----------NA----------				
	---------- True	Calc.	% Drift	----------			
3	ethanol		----------NA----------				
	---------- AvgRF	CCRF	% Dev	----------			
4 M	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	97	0.00	4.06
6	chlorodifluoromethane	0.437	0.610	-39.6#	143	0.00	1.54
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----------				
15 M	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17 M	1,1-dichloroethene		----------NA----------				
18 M	acetone		----------NA----------				
19 M	acetonitrile	0.036	0.039	-8.3	105	0.00	2.76
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	0.123	0.136	-10.6	106	0.00	3.03
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: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174415.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

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)	0.434	0.437	-0.7	100	0.00	4.07
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----------				
		----------	True	Calc.	% Drift	----------		
50		tert amyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
51	I	1,4-difluorobenzene	1.000	1.000	0.0	96	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.330	0.346	-4.8	106	0.00	4.31
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	88	0.00	7.00
74	S	toluene-d8 (s)	1.269	1.319	-3.9	97	0.00	5.76
75		toluene		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		ethyl methacrylate		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79	M	tetrachloroethene	0.320	0.293	8.4	84	0.00	6.26
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----------				

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174415.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

92	M	bromoform		----------NA----------				
93		butyl acrylate		----------NA----------				
94		n-amyl acetate		----------NA----------				
95		isopropylbenzene		----------NA----------				
96		cis-1,4-dichloro-2-butene		----------NA----------				
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	75	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.910	0.950	-4.4	87	0.00	8.07
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		1,2,3-trimethylbenzene	2.474	2.721	-10.0	86	0.00	9.23
114		benzyl chloride		----------NA----------				
115	M	1,2-dichlorobenzene		----------NA----------				
116	M	n-butylbenzene		----------NA----------				
117	M	1,2-dibromo-3-chloropropa		----------NA----------				
118		1,3,5-trichlorobenzene		----------NA----------				
119	M	1,2,4-trichlorobenzene		----------NA----------				
120	M	hexachlorobutadiene		----------NA----------				
121	M	naphthalene		----------NA----------				
122	M	1,2,3-trichlorobenzene		----------NA----------				
123	m	hexachloroethane		----------NA----------				
124		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D174409.D M3D7392.M Fri Mar 11 18:53:16 2022 3D

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174419.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3D7392\3D174419.D Vial: 19
Acq On : 11 Mar 2022 9:41 am Operator: brittank
Sample : icv7392-50 Inst : MS3D
Misc : MS57062,V3D7392,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
Last Update : Fri Mar 11 09:53:10 2022
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	76	0.00	2.87
2	M	tertiary butyl alcohol		----------NA----------				
		---------- True Calc. % Drift ----------						
3		ethanol		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
4	M	1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	91	0.00	4.06
6		chlorodifluoromethane		----------NA----------				
7	M	dichlorodifluoromethane		----------NA----------				
8	M	chloromethane		----------NA----------				
9	M	vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11	M	bromomethane	0.193	0.177	8.3	86	0.00	1.99
12	M	chloroethane		----------NA----------				
13	M	trichlorofluoromethane		----------NA----------				
14	M	ethyl ether		----------NA----------				
15	M	acrolein		----------NA----------				
16		freon 113		----------NA----------				
17	M	1,1-dichloroethene		----------NA----------				
18	M	acetone		----------NA----------				
19	M	acetonitrile		----------NA----------				
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		----------NA----------				
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: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174419.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

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)	0.434	0.440	-1.4	95	0.00	4.06
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----------				
		----------	True	Calc.	% Drift	----------		
50		tert amyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
51	I	1,4-difluorobenzene	1.000	1.000	0.0	90	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.330	0.337	-2.1	97	0.00	4.31
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	86	0.00	6.99
74	S	toluene-d8 (s)	1.269	1.314	-3.5	94	0.00	5.76
75		toluene		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		ethyl methacrylate		----------NA----------				
78		1,1,2-trichloroethane		----------NA----------				
79	M	tetrachloroethene		----------NA----------				
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----------				

Initial Calibration Verification

Job Number: JD41388 **Sample:** V3D7392-ICV7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174419.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

92	M	bromoform		----------NA----------				
93		butyl acrylate		----------NA----------				
94		n-amyl acetate		----------NA----------				
95		isopropylbenzene		----------NA----------				
96		cis-1,4-dichloro-2-butene		----------NA----------				
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	72	0.00	9.19
98	S	4-bromofluorobenzene (s)	0.910	0.957	-5.2	84	0.00	8.07
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		1,2,3-trimethylbenzene		----------NA----------				
114		benzyl chloride		----------NA----------				
115	M	1,2-dichlorobenzene		----------NA----------				
116	M	n-butylbenzene		----------NA----------				
117	M	1,2-dibromo-3-chloropropa		----------NA----------				
118		1,3,5-trichlorobenzene		----------NA----------				
119	M	1,2,4-trichlorobenzene		----------NA----------				
120	M	hexachlorobutadiene		----------NA----------				
121	M	naphthalene		----------NA----------				
122	M	1,2,3-trichlorobenzene		----------NA----------				
123	m	hexachloroethane		----------NA----------				
124		2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D174409.D M3D7392.M Fri Mar 11 18:53:27 2022 3D

Continuing Calibration Summary

Job Number: JD41388 **Sample:** V3D7404-CC7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174718.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ne...21\v3d7404\3d174718.d Vial: 2
Acq On : 18 Mar 2022 10:06 am Operator: nickw
Sample : cc7392-20 Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
Last Update : Fri Mar 11 09:53:10 2022
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	162	0.00	2.87
2	M	tertiary butyl alcohol	1.498	1.449	3.3	174	0.00	2.92
			True	Calc.	% Drift			
3		ethanol	2000.000	4799.376	-140.0#	360	0.00	2.32
			AvgRF	CCRF	% Dev			
4	M	1,4-dioxane	0.090	0.155	-72.2#	288#	0.00	5.04
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	4.06
6		chlorodifluoromethane	0.437	0.456	-4.3	113	0.00	1.54
7	M	dichlorodifluoromethane	0.517	0.820	-58.6#	180	0.00	1.53
8	M	chloromethane	0.492	0.484	1.6	109	0.00	1.67
9	M	vinyl chloride	0.531	0.560	-5.5	114	0.00	1.76
10		1,3-butadiene	0.544	0.455	16.4	95	0.00	1.78
11	M	bromomethane	0.193	0.222	-15.0	133	0.00	1.99
12	M	chloroethane	0.358	0.366	-2.2	120	0.00	2.06
13	M	trichlorofluoromethane	0.768	0.854	-11.2	126	0.00	2.24
14	M	ethyl ether	0.248	0.269	-8.5	122	0.00	2.42
15	M	acrolein	0.070	0.079	-12.9	126	0.00	2.50
16		freon 113	0.368	0.386	-4.9	110	0.00	2.59
17	M	1,1-dichloroethene	0.366	0.417	-13.9	124	0.00	2.59
18	M	acetone	0.028	0.040	-42.9#	145	0.00	2.59
19	M	acetonitrile	0.036	0.059	-63.9#	171	0.00	2.76
20	M	iodomethane	0.282	0.298	-5.7	130	0.00	2.69
21	M	carbon disulfide	1.047	1.086	-3.7	113	0.00	2.75
22	M	methylene chloride	0.448	0.511	-14.1	126	0.00	2.90
23	M	methyl acetate	0.262	0.342	-30.5#	142	0.00	2.79
24	M	methyl tert butyl ether	1.188	1.241	-4.5	111	0.00	3.07
25	M	trans-1,2-dichloroethene	0.427	0.462	-8.2	118	0.00	3.08
26	M	di-isopropyl ether	1.169	1.363	-16.6	124	0.00	3.37
27	M	2-butanone	0.044	0.048	-9.1	120	0.00	3.71
28	M	1,1-dichloroethane	0.735	0.830	-12.9	123	0.00	3.36
29	M	chloroprene	0.628	0.639	-1.8	113	0.00	3.42
30	M	acrylonitrile	0.123	0.154	-25.2#	139	0.00	3.03
31		hexane	0.378	0.372	1.6	109	0.00	3.26
32	M	vinyl acetate	0.108	0.100	7.4	96	0.00	3.34
33	M	ethyl tert-butyl ether	1.296	1.349	-4.1	111	0.00	3.61
34	M	ethyl acetate	0.058	0.064	-10.3	118	0.00	3.73
35	M	2,2-dichloropropane	0.693	0.699	-0.9	110	0.00	3.75
36	M	cis-1,2-dichloroethene	0.480	0.513	-6.9	119	0.00	3.74
37		methyl acrylate	0.071	0.067	5.6	109	0.00	3.76

Continuing Calibration Summary

Job Number: JD41388 **Sample:** V3D7404-CC7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174718.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

38	M	propionitrile	0.047	0.061	-29.8#	143	0.00	3.75
39	M	bromochloromethane	0.251	0.272	-8.4	125	0.00	3.90
40	M	tetrahydrofuran	0.095	0.126	-32.6#	135	0.00	3.92
41	M	chloroform	0.545	0.568	-4.2	120	0.00	3.95
42	M	t-butyl formate	0.429	0.068	84.1#	18#	0.00	3.98
43	S	dibromofluoromethane (s)	0.434	0.481	-10.8	121	0.00	4.06
44	M	methacrylonitrile	0.170	0.168	1.2	108	0.00	3.86
45	M	1,1,1-trichloroethane	0.751	0.721	4.0	110	0.00	4.10
46		cyclohexane	0.684	0.698	-2.0	114	0.00	4.17
47		1,1-dichloropropene	0.572	0.583	-1.9	110	0.00	4.21
48		iso-butyl alcohol	0.009	0.012	-33.3#	149	0.00	4.20
49		carbon tetrachloride	0.646	0.618	4.3	102	0.00	4.22

			True	Calc.	% Drift			
50		tert amyl alcohol	100.000	112.403	-12.4	127	0.00	4.29

			AvgRF	CCRF	% Dev			
51	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	4.62
52	S	1,2-dichloroethane-d4 (s)	0.330	0.349	-5.8	115	0.00	4.31
53	M	n-butyl alcohol	0.004	0.007#	-75.0#	187	0.00	4.68
54		2,2,4-trimethylpentane	0.881	0.888	-0.8	110	0.00	4.42
55	M	benzene	1.113	1.150	-3.3	112	0.00	4.35
56	M	tert-amyl methyl ether	0.222	0.210	5.4	103	0.00	4.42
57	M	heptane	0.248	0.240	3.2	110	0.00	4.54
58	M	isopropyl acetate	0.070	0.065	7.1	104	0.00	4.32
59	M	1,2-dichloroethane	0.411	0.413	-0.5	111	0.00	4.36
60	M	trichloroethene	0.344	0.333	3.2	106	0.00	4.81
61		ethyl acrylate	0.328	0.318	3.0	106	0.00	4.83
62	M	2-nitropropane	0.085	0.066	22.4#	86	0.00	5.34
63	M	2-chloroethyl vinyl ether	0.164	0.044	73.2#	27#	0.00	5.39
64	M	methyl methacrylate	0.079	0.079	0.0	107	0.00	5.01
65	M	1,2-dichloropropane	0.291	0.302	-3.8	116	0.00	5.00
66	M	dibromomethane	0.195	0.195	0.0	114	0.00	5.07
67	M	methylcyclohexane	0.524	0.508	3.1	107	0.00	5.01
68	M	bromodichloromethane	0.442	0.418	5.4	106	0.00	5.19
69		epichlorohydrin	0.024	0.021	12.5	93	0.00	5.43
70	M	cis-1,3-dichloropropene	0.502	0.507	-1.0	110	0.00	5.53
71	M	4-methyl-2-pentanone	0.093	0.099	-6.5	117	0.00	5.62
72	M	3-methyl-1-butanol	0.008	0.009#	-12.5	121	0.00	5.65
73	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	6.99
74	S	toluene-d8 (s)	1.269	1.254	1.2	108	0.00	5.76
75		toluene	0.855	0.813	4.9	108	0.00	5.81
76		trans-1,3-dichloropropene	0.493	0.442	10.3	98	0.00	5.98
77		ethyl methacrylate	0.414	0.397	4.1	104	0.00	6.01
78		1,1,2-trichloroethane	0.238	0.228	4.2	108	0.00	6.14
79	M	tetrachloroethene	0.320	0.325	-1.6	112	0.00	6.25
80	M	1,3-dichloropropane	0.487	0.473	2.9	107	0.00	6.29
81		2-hexanone	0.094	0.095	-1.1	110	0.00	6.31
82	M	butyl acetate	0.185	0.187	-1.1	112	0.00	6.40
83	M	dibromochloromethane	0.373	0.338	9.4	103	0.00	6.48
84	M	1,2-dibromoethane	0.307	0.279	9.1	98	0.00	6.59
85		n-butyl ether	1.380	1.418	-2.8	116	0.00	7.09
86	M	chlorobenzene	0.982	0.962	2.0	109	0.00	7.02
87	M	1,1,1,2-tetrachloroethane	0.357	0.316	11.5	99	0.00	7.09
88	M	ethylbenzene	1.541	1.595	-3.5	110	0.00	7.10
89	M	m,p-xylene	0.660	0.656	0.6	110	0.00	7.22
90	M	o-xylene	0.668	0.658	1.5	105	0.00	7.57
91	M	styrene	1.092	1.098	-0.5	109	0.00	7.59

Continuing Calibration Summary

Job Number: JD41388 **Sample:** V3D7404-CC7392
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3D174718.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

92	M	bromoform	0.248	0.196	21.0#	88	0.00	7.76
93		butyl acrylate	0.572	0.545	4.7	103	0.00	7.49
94		n-amyl acetate	0.240	0.226	5.8	107	0.00	7.70
95		isopropylbenzene	1.648	1.701	-3.2	111	0.00	7.91
96		cis-1,4-dichloro-2-butene	0.114	0.069	39.5#	68	0.00	7.95
97	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	9.18
98	S	4-bromofluorobenzene (s)	0.910	0.950	-4.4	108	0.00	8.07
99	M	bromobenzene	0.806	0.777	3.6	102	0.00	8.21
100	M	1,1,2,2-tetrachloroethane	0.665	0.643	3.3	104	0.00	8.18
101	M	trans-1,4-dichloro-2-bute	0.141	0.111	21.3#	84	0.00	8.21
102	M	1,2,3-trichloropropane	0.213	0.215	-0.9	106	0.00	8.24
103	M	n-propylbenzene	3.402	3.677	-8.1	111	0.00	8.30
104	M	2-chlorotoluene	0.806	0.771	4.3	105	0.00	8.39
105	M	4-chlorotoluene	0.819	0.788	3.8	103	0.00	8.51
106	M	1,3,5-trimethylbenzene	2.524	2.659	-5.3	109	0.00	8.48
107	M	tert-butylbenzene	0.627	0.618	1.4	105	0.00	8.78
108	M	1,2,4-trimethylbenzene	2.531	2.701	-6.7	109	0.00	8.84
109	M	sec-butylbenzene	3.128	3.341	-6.8	110	0.00	8.99
110	M	1,3-dichlorobenzene	1.511	1.539	-1.9	106	0.00	9.11
111	M	p-isopropyltoluene	2.645	2.798	-5.8	106	0.00	9.14
112	M	1,4-dichlorobenzene	1.518	1.515	0.2	111	0.00	9.21
113		1,2,3-trimethylbenzene	2.474	2.644	-6.9	113	0.00	9.23
114		benzyl chloride	1.382	1.058	23.4#	82	0.00	9.31
115	M	1,2-dichlorobenzene	1.431	1.465	-2.4	111	0.00	9.56
116	M	n-butylbenzene	1.257	1.359	-8.1	111	0.00	9.54
117	M	1,2-dibromo-3-chloropropa	0.159	0.144	9.4	98	0.00	10.32
118		1,3,5-trichlorobenzene	1.027	1.096	-6.7	113	0.00	10.52
119	M	1,2,4-trichlorobenzene	0.838	0.882	-5.3	118	0.00	11.15
120	M	hexachlorobutadiene	0.322	0.370	-14.9	124	0.00	11.30
121	M	naphthalene	1.910	1.962	-2.7	110	0.00	11.40
122	M	1,2,3-trichlorobenzene	0.693	0.725	-4.6	114	0.00	11.63
123	m	hexachloroethane	0.393	0.296	24.7#	79	0.00	9.84
124		2-methylnaphthalene	0.934	0.716	23.3#	90	0.00	12.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3D174408.D M3D7392.M Mon Mar 21 03:59:07 2022

Run Sequence Report

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V3D7392 **Method:** SW846 8260D **Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7392-BFB	3D174401.D	03/10/22 13:03	n/a	BFB Tune
V3D7392-IC7392	3D174402.D	03/10/22 13:38	n/a	Initial cal 0.2
V3D7392-IC7392	3D174403.D	03/10/22 14:01	n/a	Initial cal 0.5
V3D7392-IC7392	3D174404.D	03/10/22 14:25	n/a	Initial cal 1
V3D7392-IC7392	3D174405.D	03/10/22 14:48	n/a	Initial cal 2
V3D7392-IC7392	3D174406.D	03/10/22 15:11	n/a	Initial cal 4
V3D7392-IC7392	3D174407.D	03/10/22 15:35	n/a	Initial cal 8
V3D7392-IC7392	3D174408.D	03/10/22 15:58	n/a	Initial cal 20
V3D7392-ICC7392	3D174409.D	03/10/22 16:21	n/a	Initial cal 50
V3D7392-IC7392	3D174410.D	03/10/22 16:45	n/a	Initial cal 100
V3D7392-IC7392	3D174411.D	03/10/22 17:08	n/a	Initial cal 200
V3D7392-ICV7392	3D174414.D	03/10/22 18:18	n/a	Initial cal verification 50
V3D7392-ICV7392	3D174415.D	03/10/22 18:42	n/a	Initial cal verification 50
V3D7392-BFB2	3D174418.D	03/11/22 09:18	n/a	BFB Tune
V3D7392-ICV7392	3D174419.D	03/11/22 09:41	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD41388
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V3D7404 **Method:** SW846 8260D **Instrument ID:** GCMS3D

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3D7404-BFB	3D174718.D	03/18/22 10:06	n/a	BFB Tune
V3D7404-CC7392	3D174718.D	03/18/22 10:06	n/a	Continuing cal 20
V3D7404-BS	3D174720.D	03/18/22 11:21	n/a	Blank Spike
V3D7404-MB	3D174722.D	03/18/22 12:08	n/a	Method Blank
JD41388-6	3D174723.D	03/18/22 12:32	n/a	TRIP BLANK
JD41388-7	3D174724.D	03/18/22 12:56	n/a	FIELD BLANK
ZZZZZZ	3D174725.D	03/18/22 13:21	n/a	(unrelated sample)
ZZZZZZ	3D174726.D	03/18/22 13:44	n/a	(unrelated sample)
JD41239-1	3D174728.D	03/18/22 14:31	n/a	(used for QC only; not part of job JD41388)
JD41239-2	3D174729.D	03/18/22 14:55	n/a	(used for QC only; not part of job JD41388)
ZZZZZZ	3D174730.D	03/18/22 15:18	n/a	(unrelated sample)
JD41239-1DUP	3D174731.D	03/18/22 15:42	n/a	Duplicate
JD41239-2MS	3D174732.D	03/18/22 16:05	n/a	Matrix Spike
ZZZZZZ	3D174734.D	03/18/22 16:52	n/a	(unrelated sample)
ZZZZZZ	3D174735.D	03/18/22 17:16	n/a	(unrelated sample)
ZZZZZZ	3D174736.D	03/18/22 17:39	n/a	(unrelated sample)
ZZZZZZ	3D174737.D	03/18/22 18:03	n/a	(unrelated sample)
JD41388-1	3D174738.D	03/18/22 18:27	n/a	MW-1S
JD41388-2	3D174739.D	03/18/22 18:50	n/a	MW-2S
JD41388-3	3D174740.D	03/18/22 19:14	n/a	MW-4S
JD41388-4	3D174741.D	03/18/22 19:37	n/a	MW-4I
JD41388-5	3D174742.D	03/18/22 20:01	n/a	MW-5S
JD41388-8	3D174743.D	03/18/22 20:24	n/a	DUP-1
ZZZZZZ	3D174744.D	03/18/22 20:48	n/a	(unrelated sample)
ZZZZZZ	3D174745.D	03/18/22 21:12	n/a	(unrelated sample)
ZZZZZZ	3D174746.D	03/18/22 21:35	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:30:59 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

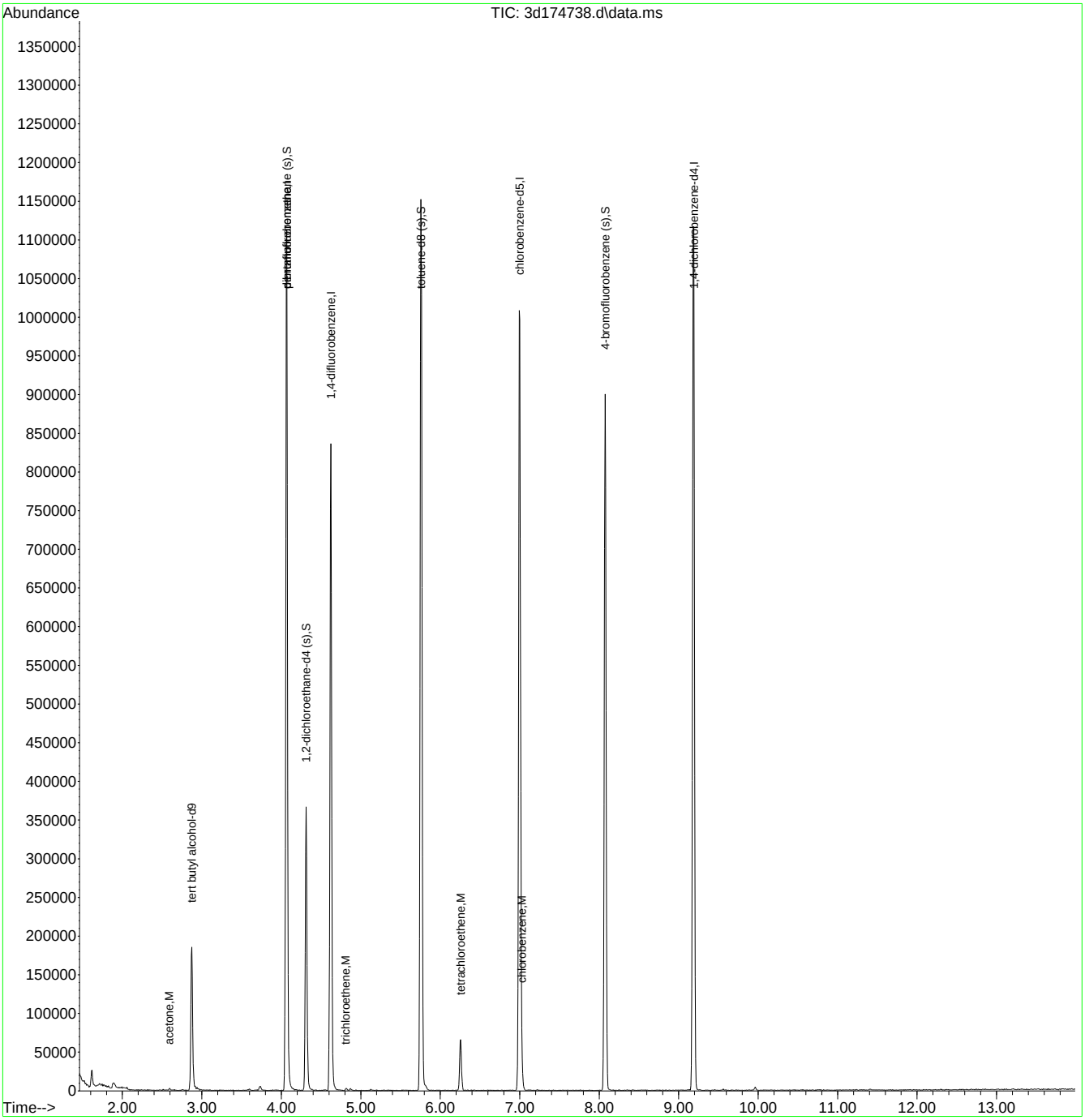
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	168029	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	395296	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	564113	50.00	ug/L	0.00
73) chlorobenzene-d5	7.001	117	544687	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	301658	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	186258	54.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.54%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	197079	52.86	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.72%			
74) toluene-d8 (s)	5.757	98	691477	50.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.04%			
98) 4-bromofluorobenzene (s)	8.074	95	275200	50.13	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.26%			
Target Compounds						Qvalue
18) acetone	2.587	58	670	3.08	ug/L #	4
60) trichloroethene	4.806	130	895	0.23	ug/L #	76
79) tetrachloroethene	6.257	164	14360	4.12	ug/L	93
86) chlorobenzene	7.025	112	18802	1.76	ug/L	92

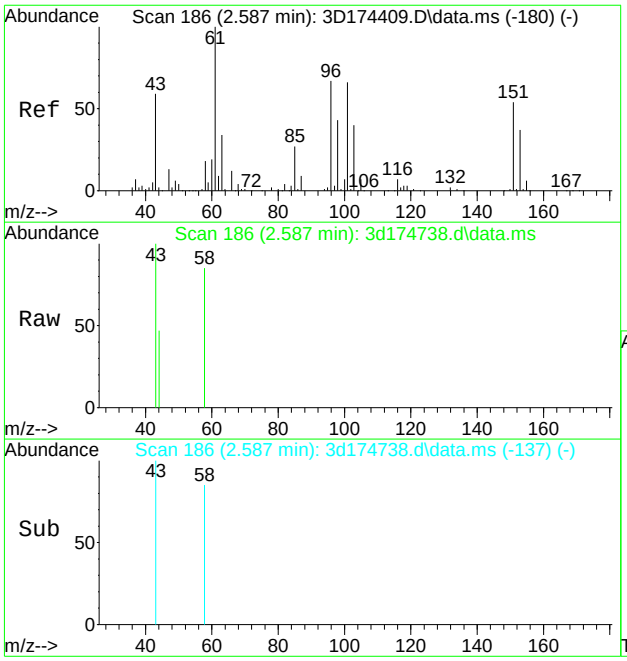
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:30:59 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

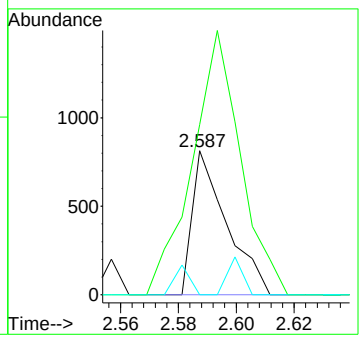


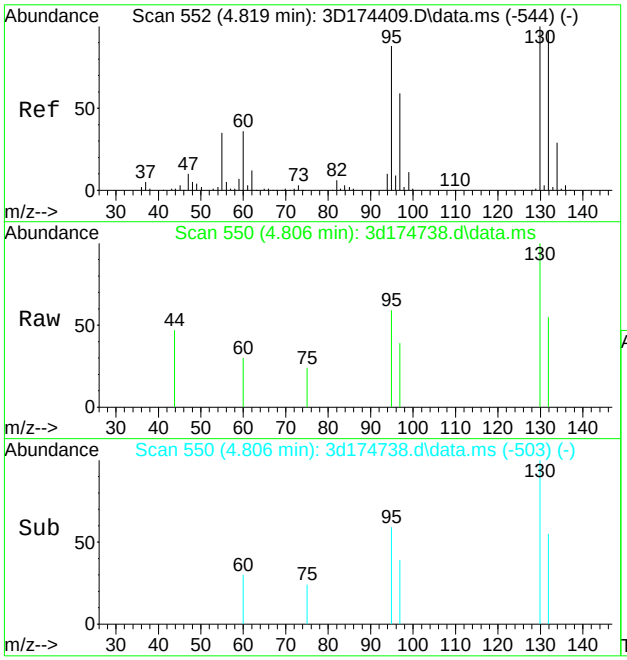


#18
acetone
Concen: 3.08 ug/L
RT: 2.587 min Scan# 186
Delta R.T. 0.000 min
Lab File: 3d174738.d
Acq: 18 Mar 2022 6:27 pm

Tgt Ion: 58 Resp: 670

Ion	Ratio	Lower	Upper
58	100		
43	118.2	294.2	354.2#
42	0.0	0.0	59.2

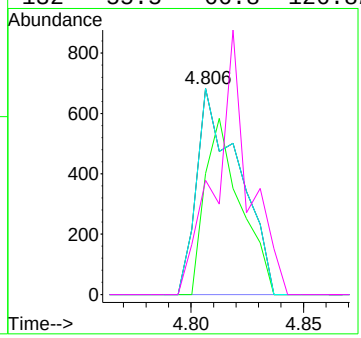


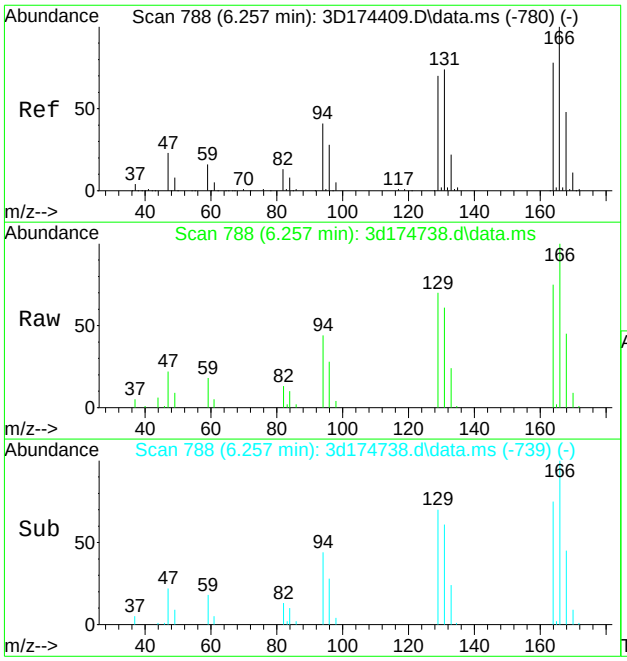


#60
trichloroethene
Concen: 0.23 ug/L
RT: 4.806 min Scan# 550
Delta R.T. -0.012 min
Lab File: 3d174738.d
Acq: 18 Mar 2022 6:27 pm

Tgt Ion:130 Resp: 895

Ion	Ratio	Lower	Upper
130	100		
95	58.7	57.7	117.7
130	100.0	70.0	130.0
132	55.5	66.8	126.8#

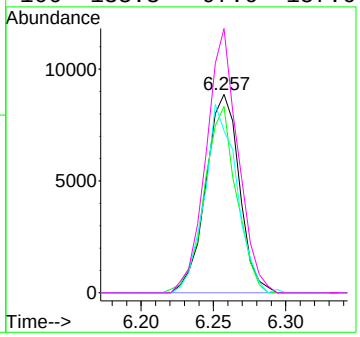


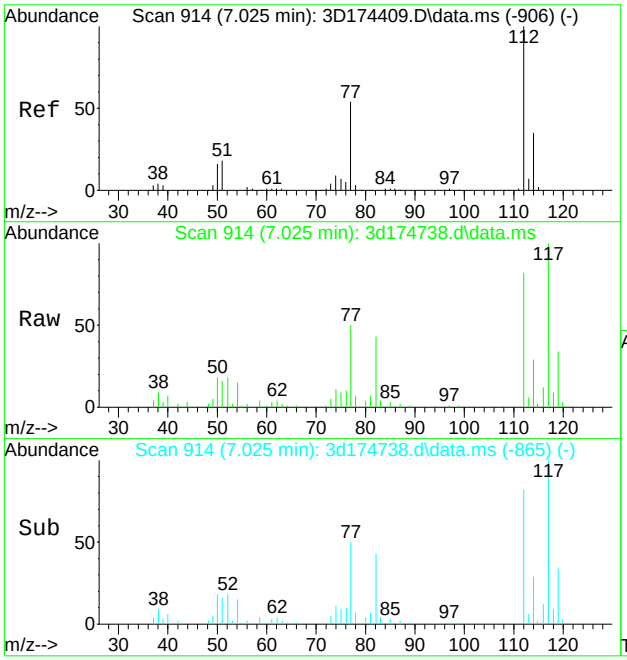


#79
tetrachloroethene
Concen: 4.12 ug/L
RT: 6.257 min Scan# 788
Delta R.T. -0.000 min
Lab File: 3d174738.d
Acq: 18 Mar 2022 6:27 pm

Tgt Ion:164 Resp: 14360

Ion	Ratio	Lower	Upper
164	100		
129	93.9	59.4	119.4
131	81.6	64.6	124.6
166	133.3	97.6	157.6

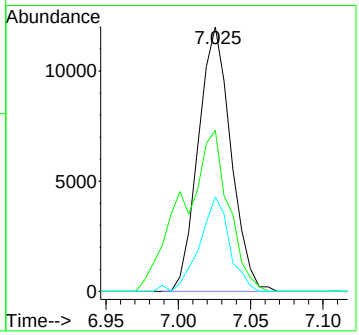




#86
chlorobenzene
Concen: 1.76 ug/L
RT: 7.025 min Scan# 914
Delta R.T. 0.000 min
Lab File: 3d174738.d
Acq: 18 Mar 2022 6:27 pm

Tgt Ion:112 Resp: 18802

Ion	Ratio	Lower	Upper
112	100		
77	61.0	24.4	84.4
114	37.6	4.7	64.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174738.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.618	21	27	36	rBV	22254	36829	1.99%	0.333%
2	1.892	66	72	91	rVB6	6817	17528	0.95%	0.159%
3	2.240	125	129	133	rBV2	1107	1418	0.08%	0.013%
4	2.337	144	145	158	rVB2	982	2287	0.12%	0.021%
5	2.514	171	174	176	rBV	1765	1254	0.07%	0.011%
6	2.593	184	187	194	rVB2	2746	3789	0.20%	0.034%
7	2.654	194	197	206	rVB	1400	1792	0.10%	0.016%
8	2.752	210	213	219	rVB2	1247	2181	0.12%	0.020%
9	2.874	225	233	249	rVV	185188	311095	16.83%	2.817%
10	2.984	249	251	256	rVV2	1124	1391	0.08%	0.013%
11	3.106	268	271	274	rVB	942	1257	0.07%	0.011%
12	3.221	289	290	295	rBV2	977	1356	0.07%	0.012%
13	3.276	295	299	302	rVV	715	1127	0.06%	0.010%
14	3.544	336	343	345	rBV	834	1562	0.08%	0.014%
15	3.599	345	352	357	rVB3	2225	4702	0.25%	0.043%
16	3.697	360	368	369	rVB2	1376	1748	0.09%	0.016%
17	3.733	369	374	392	rVB2	5747	11631	0.63%	0.105%
18	4.069	420	429	445	rVV	1113167	1755602	94.98%	15.895%
19	4.185	445	448	453	rVV2	1959	2997	0.16%	0.027%
20	4.313	460	469	485	rVV	366949	564332	30.53%	5.109%
21	4.441	485	490	494	rVB	914	1406	0.08%	0.013%
22	4.556	503	509	513	rVB3	1177	2448	0.13%	0.022%
23	4.623	513	520	533	rBV	836374	1288901	69.73%	11.669%
24	4.819	546	552	558	rBV5	2899	4581	0.25%	0.041%
25	4.867	558	560	567	rVB2	2795	4024	0.22%	0.036%
26	4.941	567	572	577	rVB2	1055	1703	0.09%	0.015%
27	5.008	577	583	586	rBV	754	1287	0.07%	0.012%
28	5.123	594	602	610	rVB2	2139	4138	0.22%	0.037%
29	5.203	610	615	618	rBV	1288	1704	0.09%	0.015%
30	5.520	662	667	682	rVB	1175	4060	0.22%	0.037%
31	5.757	698	706	725	rBV	1152142	1848463	100.00%	16.735%
32	6.257	781	788	795	rVV2	65969	109571	5.93%	0.992%
33	6.434	812	817	820	rVB2	937	1673	0.09%	0.015%
34	6.471	820	823	828	rBV	559	1205	0.07%	0.011%
35	6.605	839	845	846	rVB	687	1152	0.06%	0.010%
36	6.715	860	863	869	rBV	913	1415	0.08%	0.013%
37	6.995	899	909	923	rVV	1008293	1729057	93.54%	15.654%
38	7.111	927	928	936	rVB2	992	1378	0.07%	0.012%
39	7.221	943	946	953	rVB	1295	1904	0.10%	0.017%
40	7.269	953	954	963	rBV	630	1156	0.06%	0.010%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.592	1006	1007	1016	rVV	672	1316	0.07%	0.012%
42	8.074	1078	1086	1100	rBV	900127	1371038	74.17%	12.413%
43	8.422	1140	1143	1152	rVV	898	1123	0.06%	0.010%
44	8.562	1158	1166	1168	rBV	509	1349	0.07%	0.012%
45	8.836	1208	1211	1216	rVB	996	1166	0.06%	0.011%
46	9.056	1240	1247	1249	rVB	815	1463	0.08%	0.013%
47	9.117	1253	1257	1259	rVV	1289	1579	0.09%	0.014%
48	9.184	1261	1268	1280	rVV	1117162	1823579	98.65%	16.510%
49	9.269	1280	1282	1289	rVB	1264	1678	0.09%	0.015%
50	9.452	1311	1312	1320	rVB2	1122	1428	0.08%	0.013%
51	9.562	1323	1330	1333	rVV2	2116	2426	0.13%	0.022%
52	9.586	1333	1334	1339	rVB	1040	1141	0.06%	0.010%
53	9.659	1343	1346	1352	rBV	995	1237	0.07%	0.011%
54	9.757	1359	1362	1373	rVB	692	1417	0.08%	0.013%
55	9.964	1391	1396	1404	rVB2	4718	6736	0.36%	0.061%
56	10.037	1404	1408	1412	rBV	660	1193	0.06%	0.011%
57	10.068	1412	1413	1423	rVB2	769	1245	0.07%	0.011%
58	10.311	1445	1453	1460	rBV	871	2206	0.12%	0.020%
59	10.397	1464	1467	1470	rVB	961	1115	0.06%	0.010%
60	10.464	1470	1478	1483	rBV	1089	2556	0.14%	0.023%
61	10.537	1486	1490	1493	rBV	844	1320	0.07%	0.012%
62	10.616	1498	1503	1506	rVB	900	1256	0.07%	0.011%
63	10.677	1511	1513	1519	rBV	1088	1863	0.10%	0.017%
64	10.787	1524	1531	1535	rVB	1106	2425	0.13%	0.022%
65	10.866	1541	1544	1552	rVB	882	1919	0.10%	0.017%
66	11.037	1562	1572	1574	rBV2	941	2242	0.12%	0.020%
67	11.067	1574	1577	1582	rBV2	662	1345	0.07%	0.012%
68	11.153	1588	1591	1601	rVV	876	1917	0.10%	0.017%
69	11.232	1603	1604	1609	rVB	1325	1628	0.09%	0.015%
70	11.305	1609	1616	1617	rBV	1090	1969	0.11%	0.018%
71	11.403	1627	1632	1644	rBV3	1419	3659	0.20%	0.033%
72	11.525	1649	1652	1664	rVB2	864	3141	0.17%	0.028%
73	11.671	1669	1676	1678	rVB2	793	1292	0.07%	0.012%
74	11.689	1678	1679	1686	rVB	932	1092	0.06%	0.010%
75	11.884	1708	1711	1713	rVV2	1014	1112	0.06%	0.010%
76	11.915	1713	1716	1721	rVB2	1337	1838	0.10%	0.017%
77	11.957	1721	1723	1727	rBV	941	1517	0.08%	0.014%
78	12.146	1752	1754	1761	rBV	707	1086	0.06%	0.010%
79	12.293	1775	1778	1783	rVB2	1163	1600	0.09%	0.014%
80	12.396	1787	1795	1802	rBV2	1134	2998	0.16%	0.027%
81	12.451	1802	1804	1813	rBV2	775	2053	0.11%	0.019%
82	12.537	1813	1818	1821	rVB2	1161	1536	0.08%	0.014%
83	12.622	1827	1832	1837	rBV	1294	2639	0.14%	0.024%
84	12.683	1837	1842	1849	rVV3	1277	3479	0.19%	0.031%
85	12.744	1849	1852	1855	rVV	1334	1519	0.08%	0.014%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.768	1855	1856	1863	rVV2	1033	1671	0.09%	0.015%
87	12.860	1863	1871	1880	rVV3	1304	4354	0.24%	0.039%
88	12.945	1880	1885	1889	rVB2	609	1448	0.08%	0.013%
89	13.213	1923	1929	1936	rVV5	1299	2206	0.12%	0.020%
90	13.268	1936	1938	1944	rVV2	876	1732	0.09%	0.016%
91	13.317	1944	1946	1955	rVV2	1408	2388	0.13%	0.022%
92	13.439	1964	1966	1970	rVV2	1091	1107	0.06%	0.010%
93	13.475	1970	1972	1977	rVV	988	1627	0.09%	0.015%
94	13.524	1977	1980	1985	rVB2	1499	2002	0.11%	0.018%
95	13.591	1989	1991	1998	rBV2	1553	2331	0.13%	0.021%
96	13.646	1998	2000	2011	rBV2	1405	3256	0.18%	0.029%
97	13.738	2011	2015	2022	rVB2	1625	3283	0.18%	0.030%
98	13.799	2022	2025	2026	rBV	1449	1373	0.07%	0.012%
99	13.817	2027	2028	2034	rVV2	1315	2219	0.12%	0.020%
100	13.866	2034	2036	2042	rVB	1187	1674	0.09%	0.015%

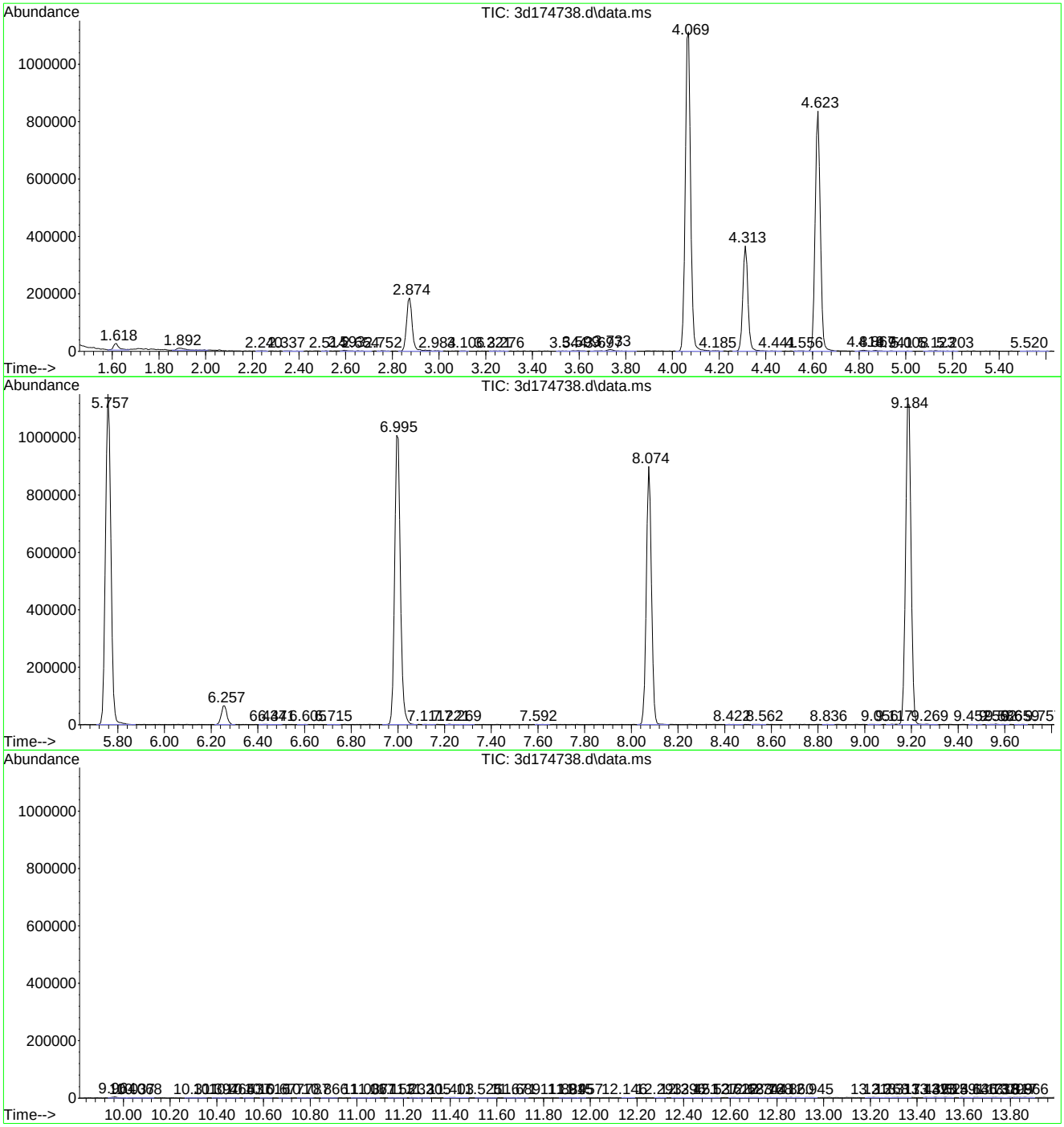
Sum of corrected areas: 11045211

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174738.d
Acq On : 18 Mar 2022 6:27 pm
Operator : nickw
Sample : jd41388-1
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:34:24 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

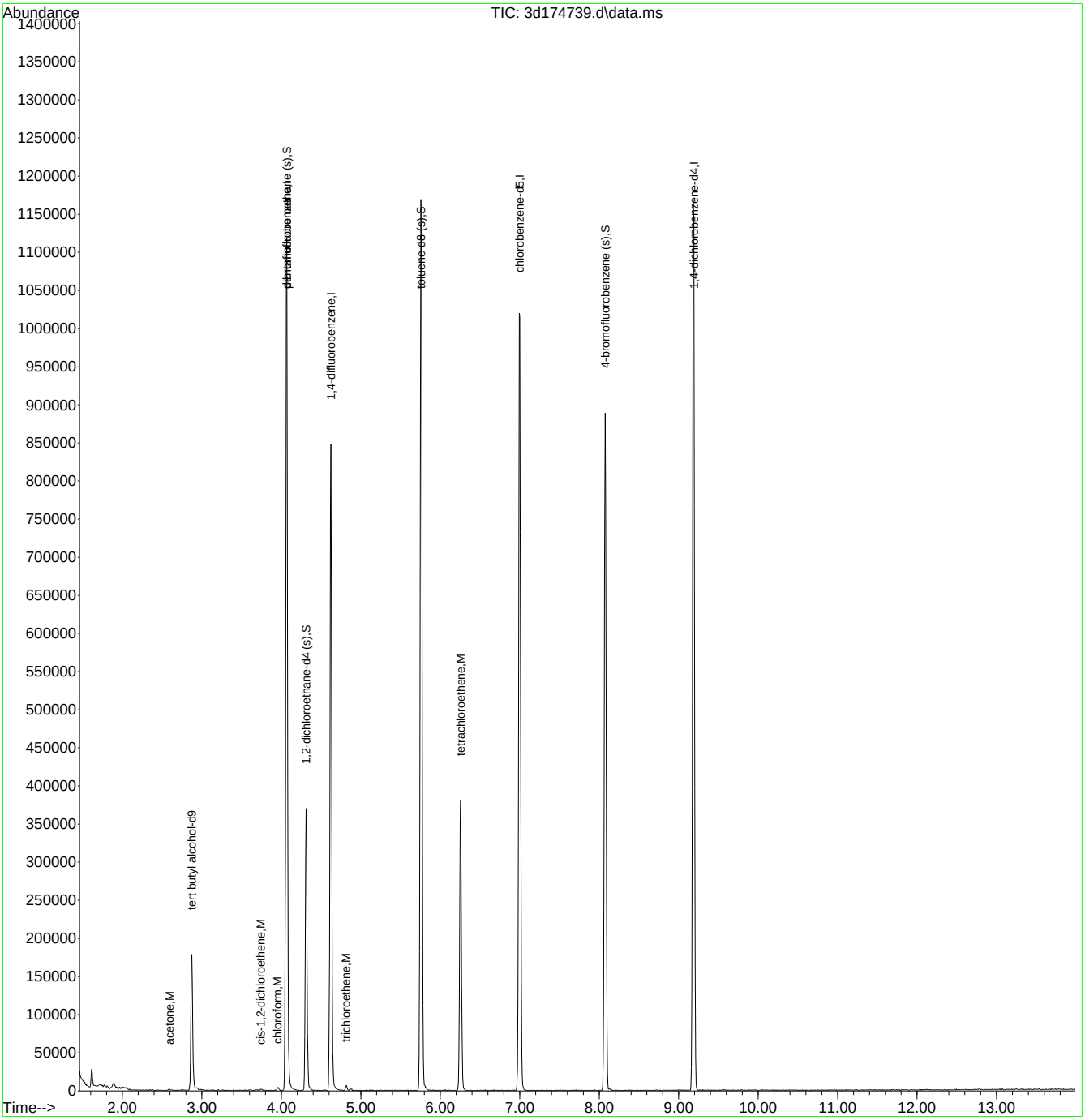
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	162910	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	407485	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	578765	50.00	ug/L	0.00
73) chlorobenzene-d5	7.001	117	548588	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	297552	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	188115	53.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.34%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	201620	52.71	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.42%			
74) toluene-d8 (s)	5.757	98	693780	49.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.66%			
98) 4-bromofluorobenzene (s)	8.074	95	280038	51.71	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.42%			
Target Compounds						Qvalue
18) acetone	2.593	58	602	2.68	ug/L #	26
36) cis-1,2-dichloroethene	3.740	96	858	0.22	ug/L #	68
41) chloroform	3.953	85	2037	0.46	ug/L #	64
60) trichloroethene	4.812	130	2280	0.57	ug/L	88
79) tetrachloroethene	6.257	164	80531	22.94	ug/L	98

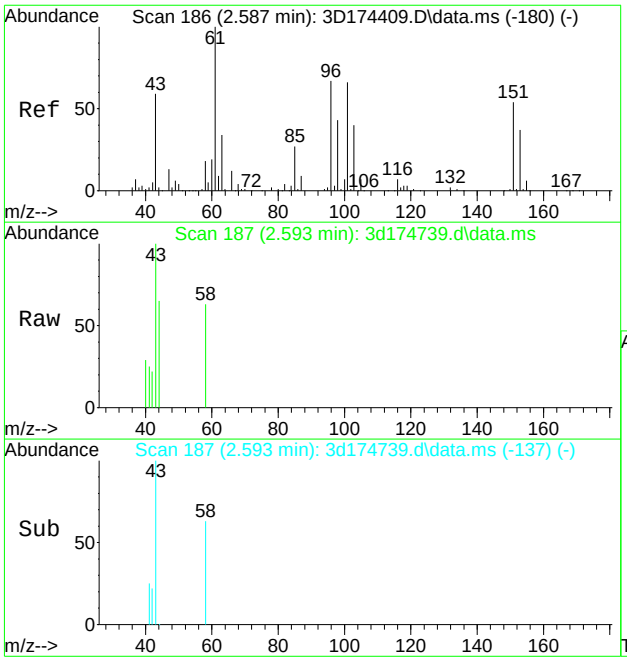
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:34:24 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

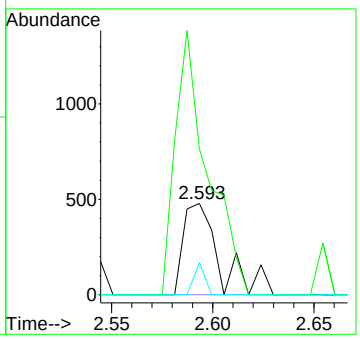


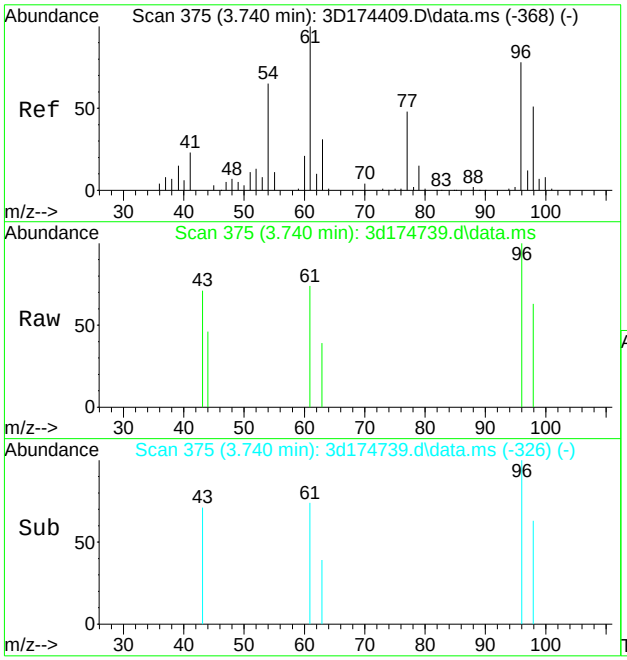


#18
acetone
Concen: 2.68 ug/L
RT: 2.593 min Scan# 187
Delta R.T. 0.006 min
Lab File: 3d174739.d
Acq: 18 Mar 2022 6:50 pm

Tgt Ion: 58 Resp: 602

Ion	Ratio	Lower	Upper
58	100		
43	159.7	294.2	354.2#
42	35.3	0.0	59.2

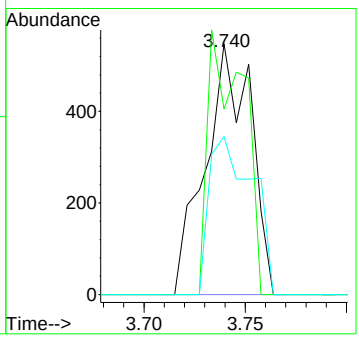


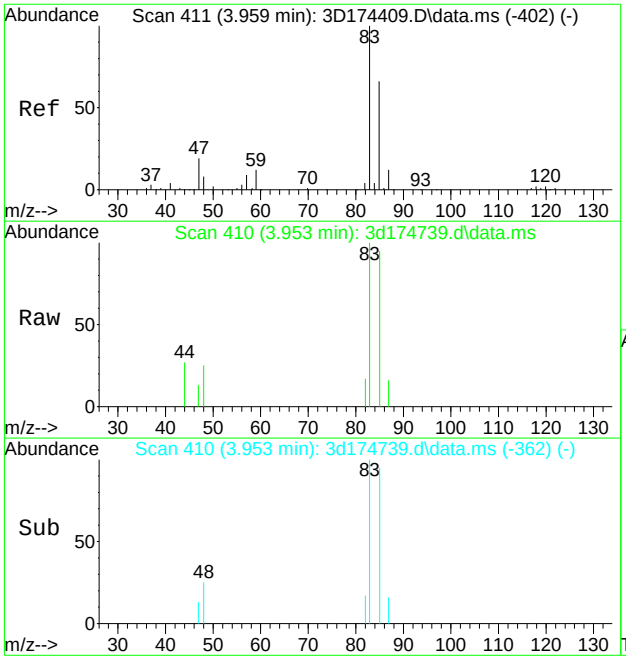


#36
cis-1,2-dichloroethene
Concen: 0.22 ug/L
RT: 3.740 min Scan# 375
Delta R.T. -0.000 min
Lab File: 3d174739.d
Acq: 18 Mar 2022 6:50 pm

Tgt Ion: 96 Resp: 858

Ion	Ratio	Lower	Upper
96	100		
61	73.9	98.0	158.0#
98	63.0	34.8	94.8

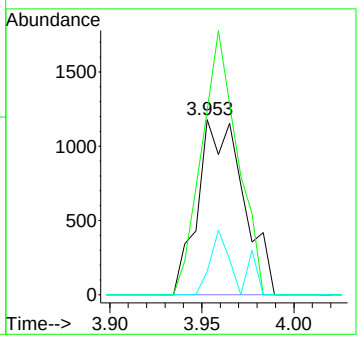


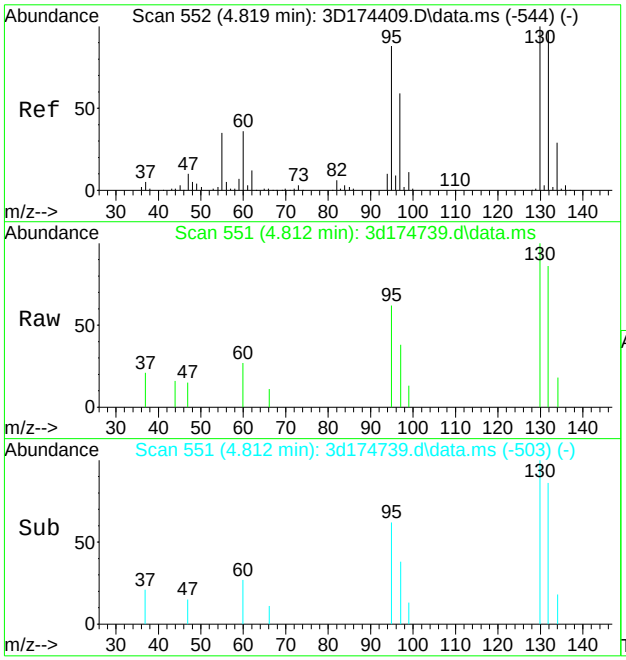


#41
chloroform
Concen: 0.46 ug/L
RT: 3.953 min Scan# 410
Delta R.T. -0.006 min
Lab File: 3d174739.d
Acq: 18 Mar 2022 6:50 pm

Tgt Ion: 85 Resp: 2037

Ion	Ratio	Lower	Upper
85	100		
83	105.1	120.6	180.6#
47	13.5	5.6	65.6

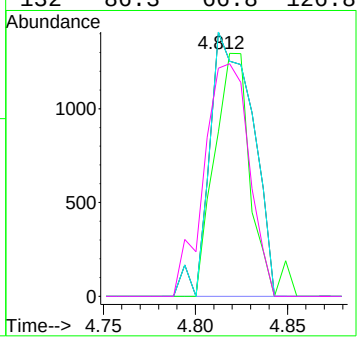


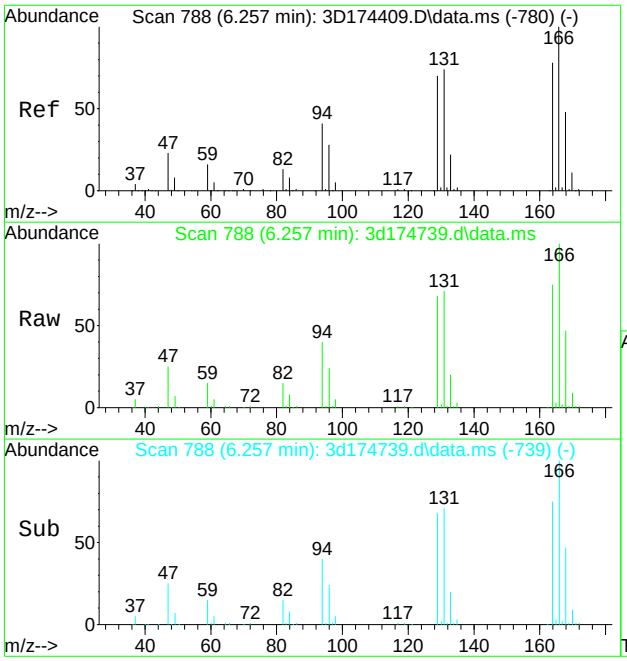


#60
trichloroethene
Concen: 0.57 ug/L
RT: 4.812 min Scan# 551
Delta R.T. -0.006 min
Lab File: 3d174739.d
Acq: 18 Mar 2022 6:50 pm

Tgt Ion:130 Resp: 2280

Ion	Ratio	Lower	Upper
130	100		
95	62.2	57.7	117.7
130	100.0	70.0	130.0
132	86.3	66.8	126.8

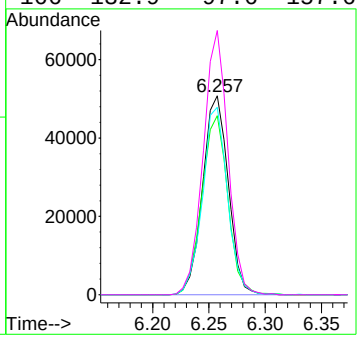




#79
tetrachloroethene
Concen: 22.94 ug/L
RT: 6.257 min Scan# 788
Delta R.T. -0.000 min
Lab File: 3d174739.d
Acq: 18 Mar 2022 6:50 pm

Tgt Ion:164 Resp: 80531

Ion	Ratio	Lower	Upper
164	100		
129	90.0	59.4	119.4
131	94.2	64.6	124.6
166	132.9	97.6	157.6



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174739.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.612	23	26	39	rBV	23490	36039	1.94%	0.311%
2	1.770	50	52	57	rVB4	2721	2811	0.15%	0.024%
3	1.892	63	72	82	rBV8	7593	22405	1.20%	0.193%
4	1.965	82	84	86	rVB	2522	1796	0.10%	0.015%
5	1.996	86	89	90	rBV3	2313	2059	0.11%	0.018%
6	2.197	119	122	130	rVB	582	1100	0.06%	0.009%
7	2.343	145	146	150	rVB	1195	1102	0.06%	0.010%
8	2.380	150	152	156	rVB2	1172	1186	0.06%	0.010%
9	2.447	162	163	173	rVB2	1051	1658	0.09%	0.014%
10	2.539	173	178	180	rVB	818	1078	0.06%	0.009%
11	2.587	180	186	195	rBV5	2366	5966	0.32%	0.051%
12	2.758	210	214	225	rVB2	1009	1679	0.09%	0.014%
13	2.874	225	233	255	rBV	178317	304095	16.35%	2.622%
14	3.209	282	288	291	rVB	1118	1520	0.08%	0.013%
15	3.319	305	306	315	rVB	604	1122	0.06%	0.010%
16	3.398	315	319	322	rBV	1089	1162	0.06%	0.010%
17	3.605	348	353	359	rVB2	1236	3003	0.16%	0.026%
18	3.697	364	368	370	rBV2	1143	1744	0.09%	0.015%
19	3.746	372	376	380	rVB3	1595	2873	0.15%	0.025%
20	3.922	400	405	406	rBV2	1097	1304	0.07%	0.011%
21	3.959	406	411	416	rVB2	4452	7267	0.39%	0.063%
22	4.069	420	429	452	rVB	1119109	1777040	95.55%	15.321%
23	4.313	461	469	484	rBV	370113	575551	30.95%	4.962%
24	4.544	503	507	513	rVB3	1409	2303	0.12%	0.020%
25	4.623	513	520	539	rBV	848178	1313839	70.65%	11.328%
26	4.819	546	552	556	rBV3	7300	11452	0.62%	0.099%
27	4.867	556	560	565	rVV3	2601	5458	0.29%	0.047%
28	5.111	597	600	605	rBV	1047	1408	0.08%	0.012%
29	5.757	697	706	723	rVV	1169194	1859710	100.00%	16.034%
30	5.928	732	734	738	rVB2	886	1146	0.06%	0.010%
31	5.989	741	744	749	rBV2	727	1542	0.08%	0.013%
32	6.062	754	756	760	rVB2	1369	1133	0.06%	0.010%
33	6.099	760	762	772	rBV	844	1332	0.07%	0.011%
34	6.257	779	788	803	rVB	380987	609831	32.79%	5.258%
35	6.507	824	829	833	rBV	812	1433	0.08%	0.012%
36	6.568	833	839	843	rBV2	949	1202	0.06%	0.010%
37	6.775	869	873	882	rBV2	759	1562	0.08%	0.013%
38	6.995	900	909	927	rVB	1019894	1688910	90.82%	14.561%
39	7.940	1061	1064	1070	rBV	1596	1829	0.10%	0.016%
40	8.074	1077	1086	1106	rBV	889084	1390231	74.76%	11.986%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	8.367	1131	1134	1146	rVB	1021	2743	0.15%	0.024%
42	8.476	1146	1152	1155	rBV2	842	1638	0.09%	0.014%
43	8.690	1183	1187	1189	rBV	694	1063	0.06%	0.009%
44	8.806	1204	1206	1214	rBV	686	1358	0.07%	0.012%
45	9.001	1233	1238	1240	rBV	784	1356	0.07%	0.012%
46	9.025	1240	1242	1246	rVB	961	1194	0.06%	0.010%
47	9.074	1246	1250	1255	rBV	1000	1527	0.08%	0.013%
48	9.129	1255	1259	1261	rBV	702	1152	0.06%	0.010%
49	9.184	1261	1268	1279	rVB	1169035	1844386	99.18%	15.902%
50	9.519	1315	1323	1325	rBV	780	1432	0.08%	0.012%
51	9.574	1330	1332	1336	rVV2	1365	1423	0.08%	0.012%
52	9.677	1344	1349	1358	rBV	850	1752	0.09%	0.015%
53	9.787	1362	1367	1373	rVV2	998	1485	0.08%	0.013%
54	9.885	1378	1383	1387	rVV	987	1306	0.07%	0.011%
55	10.104	1418	1419	1425	rBV	907	1162	0.06%	0.010%
56	10.324	1451	1455	1457	rVB	817	1244	0.07%	0.011%
57	10.385	1464	1465	1470	rVB2	917	1325	0.07%	0.011%
58	10.433	1470	1473	1481	rBV	1017	2118	0.11%	0.018%
59	10.750	1522	1525	1528	rVB	937	1142	0.06%	0.010%
60	10.805	1533	1534	1545	rVB	746	1260	0.07%	0.011%
61	11.025	1567	1570	1574	rVB2	791	1364	0.07%	0.012%
62	11.067	1574	1577	1580	rBV	1036	1256	0.07%	0.011%
63	11.165	1585	1593	1598	rVB2	889	2270	0.12%	0.020%
64	11.232	1598	1604	1613	rBV	1150	2774	0.15%	0.024%
65	11.336	1613	1621	1623	rVB	836	1610	0.09%	0.014%
66	11.354	1623	1624	1630	rBV	830	1175	0.06%	0.010%
67	11.415	1630	1634	1638	rBV2	996	1656	0.09%	0.014%
68	11.567	1655	1659	1663	rBV	1213	1916	0.10%	0.017%
69	11.701	1679	1681	1684	rVV2	1245	1310	0.07%	0.011%
70	11.738	1684	1687	1690	rVV	1336	1278	0.07%	0.011%
71	11.781	1690	1694	1695	rVB	1160	1293	0.07%	0.011%
72	11.805	1695	1698	1702	rBV2	1157	2084	0.11%	0.018%
73	11.835	1702	1703	1714	rVB	984	2662	0.14%	0.023%
74	11.927	1714	1718	1731	rBV2	1215	3626	0.19%	0.031%
75	12.134	1748	1752	1768	rVB3	1100	2201	0.12%	0.019%
76	12.348	1784	1787	1791	rBV	1080	1260	0.07%	0.011%
77	12.494	1809	1811	1816	rVB2	1437	1228	0.07%	0.011%
78	12.610	1828	1830	1834	rVB2	1291	1352	0.07%	0.012%
79	12.726	1848	1849	1853	rVV	1227	1263	0.07%	0.011%
80	12.787	1856	1859	1861	rVB2	1471	1625	0.09%	0.014%
81	12.805	1861	1862	1870	rBV	1096	1418	0.08%	0.012%
82	12.860	1870	1871	1878	rVB3	1229	2005	0.11%	0.017%
83	12.908	1878	1879	1882	rBV2	1189	1090	0.06%	0.009%
84	13.018	1893	1897	1899	rVV2	1022	1217	0.07%	0.010%
85	13.043	1899	1901	1904	rVV	1554	1133	0.06%	0.010%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	13.073	1904	1906	1909	rVB	2084	1490	0.08%	0.013%
87	13.122	1911	1914	1924	rBV	1063	3248	0.17%	0.028%
88	13.189	1924	1925	1930	rVB3	1688	2175	0.12%	0.019%
89	13.250	1930	1935	1941	rBV3	2242	4491	0.24%	0.039%
90	13.317	1941	1946	1952	rBV2	1474	3431	0.18%	0.030%
91	13.408	1957	1961	1962	rBV2	1320	1476	0.08%	0.013%
92	13.475	1968	1972	1975	rBV	1721	1973	0.11%	0.017%
93	13.500	1975	1976	1981	rVV2	1330	1957	0.11%	0.017%
94	13.536	1981	1982	1987	rVV	2128	1559	0.08%	0.013%
95	13.579	1987	1989	1995	rVV3	878	1312	0.07%	0.011%
96	13.622	1995	1996	2002	rVV2	1295	1477	0.08%	0.013%
97	13.670	2002	2004	2006	rVB	1465	1195	0.06%	0.010%
98	13.744	2006	2016	2018	rBV2	1711	4166	0.22%	0.036%
99	13.780	2018	2022	2031	rVV2	1217	3095	0.17%	0.027%
100	13.841	2031	2032	2041	rVB2	1239	1553	0.08%	0.013%

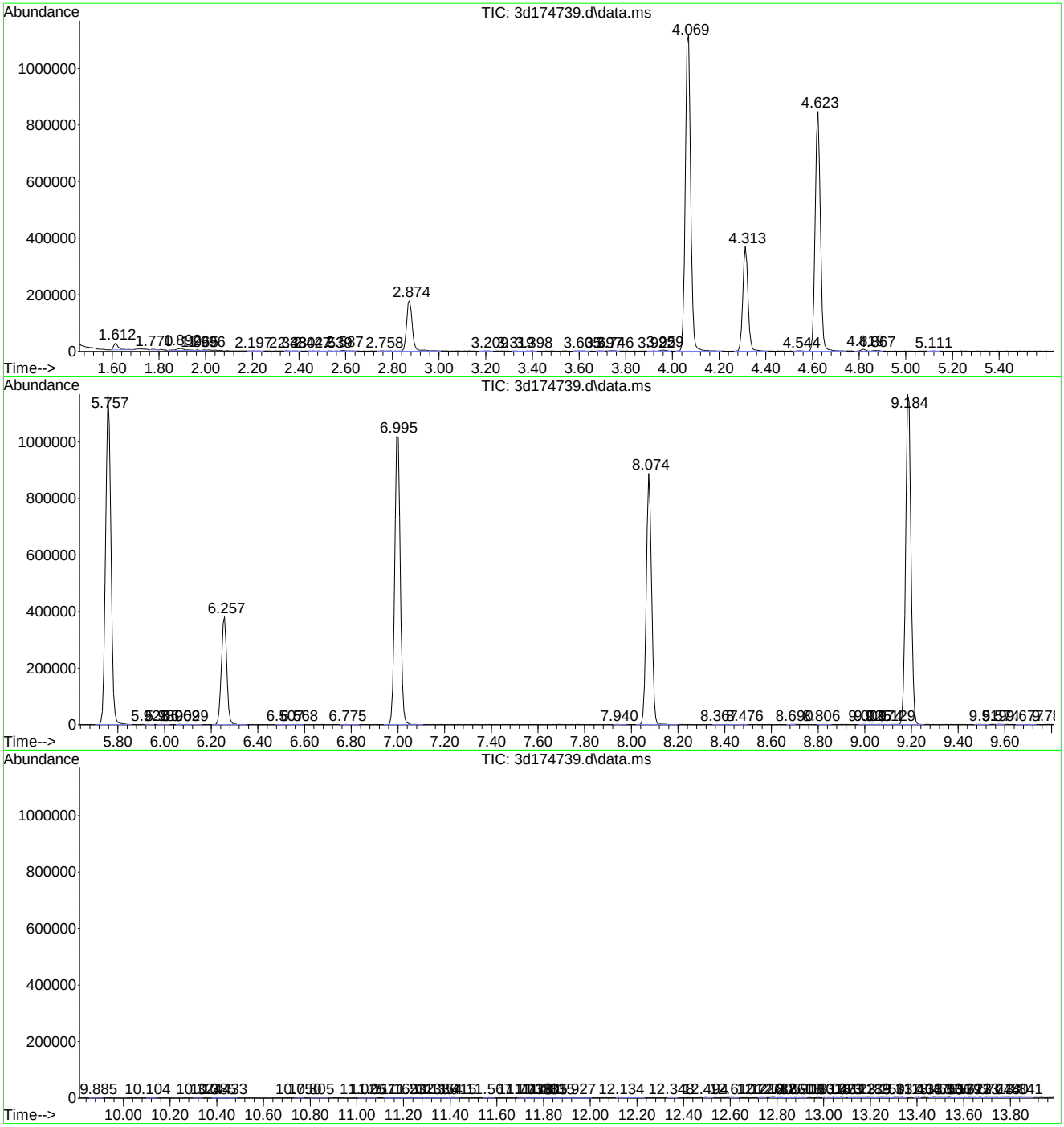
Sum of corrected areas: 11598611

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174739.d
Acq On : 18 Mar 2022 6:50 pm
Operator : nickw
Sample : jd41388-2
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:36:48 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

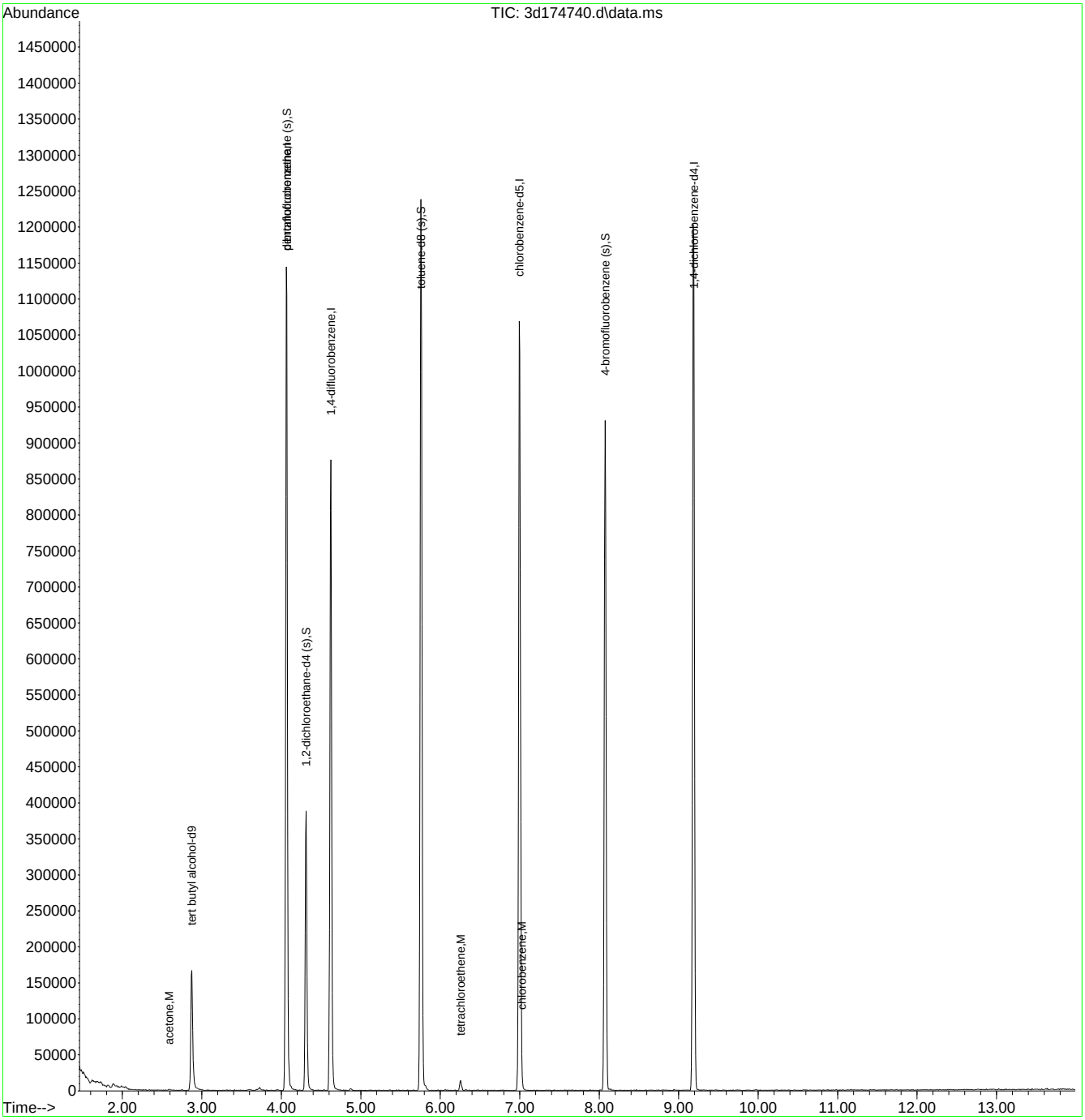
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	166043	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	416702	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	598507	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	561111	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	316985	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	186242	51.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.96%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	214327	54.19	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 108.38%			
74) toluene-d8 (s)	5.758	98	714625	50.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.36%			
98) 4-bromofluorobenzene (s)	8.074	95	292793	50.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.50%			
Target Compounds						Qvalue
18) acetone	2.587	58	583	2.54	ug/L #	35
79) tetrachloroethene	6.257	164	3131	0.87	ug/L	88
86) chlorobenzene	7.026	112	3235	0.29	ug/L	79

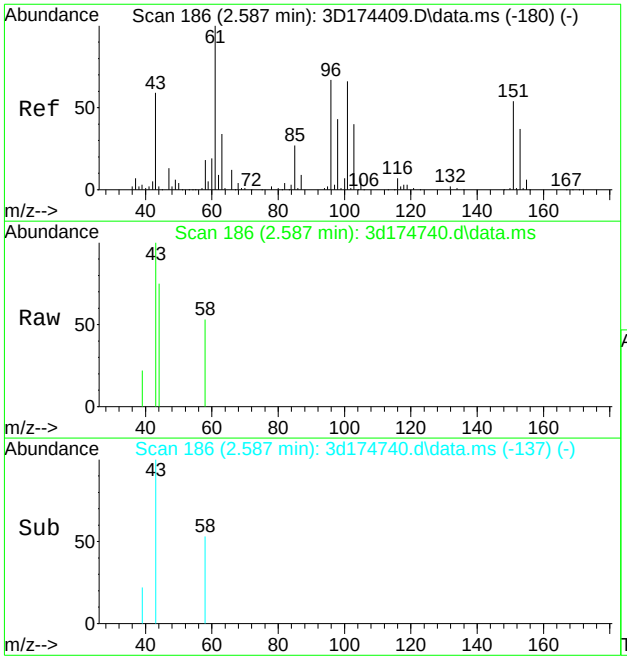
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:36:48 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

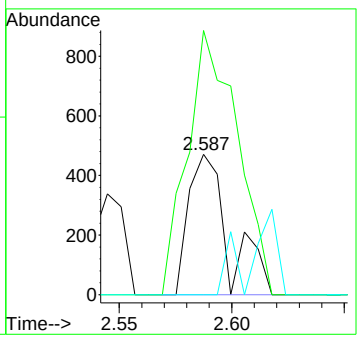


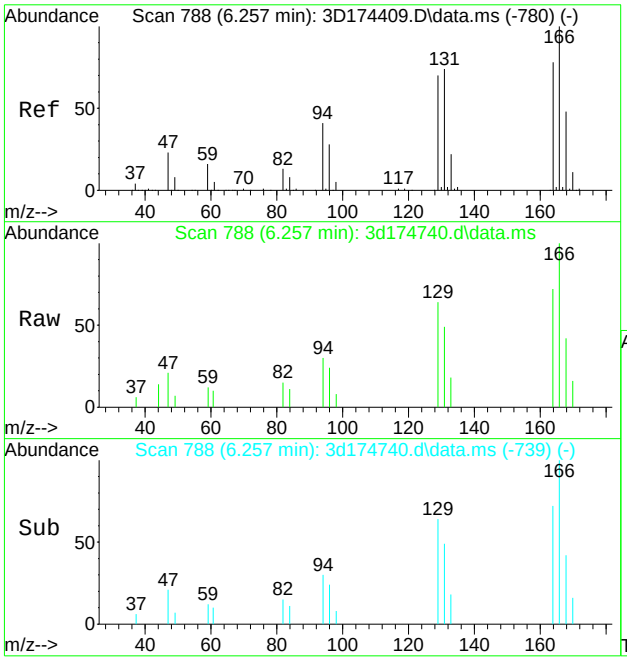


#18
acetone
Concen: 2.54 ug/L
RT: 2.587 min Scan# 186
Delta R.T. 0.000 min
Lab File: 3d174740.d
Acq: 18 Mar 2022 7:14 pm

Tgt Ion: 58 Resp: 583

Ion	Ratio	Lower	Upper
58	100		
43	188.3	294.2	354.2#
42	0.0	0.0	59.2

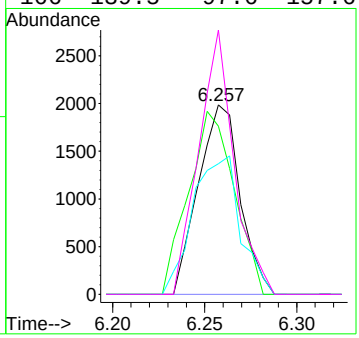


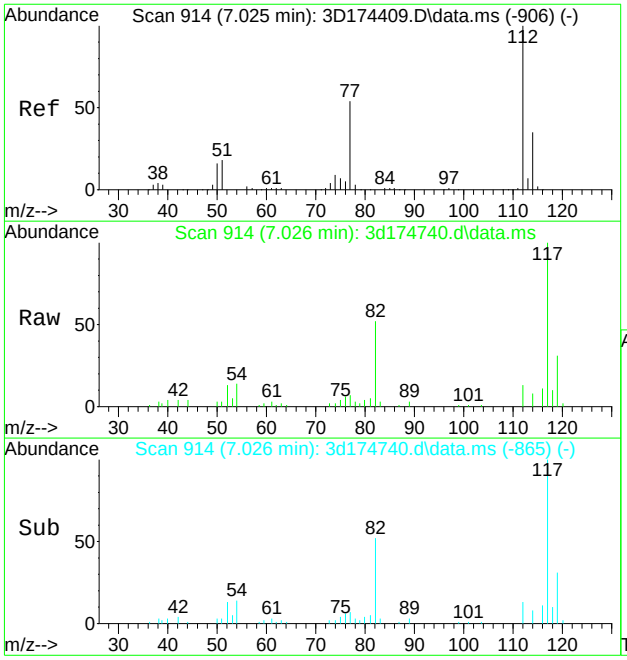


#79
tetrachloroethene
Concen: 0.87 ug/L
RT: 6.257 min Scan# 788
Delta R.T. 0.000 min
Lab File: 3d174740.d
Acq: 18 Mar 2022 7:14 pm

Tgt Ion:164 Resp: 3131

Ion	Ratio	Lower	Upper
164	100		
129	88.8	59.4	119.4
131	68.9	64.6	124.6
166	139.5	97.6	157.6

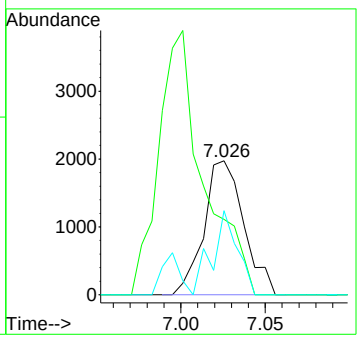




#86
chlorobenzene
Concen: 0.29 ug/L
RT: 7.026 min Scan# 914
Delta R.T. 0.000 min
Lab File: 3d174740.d
Acq: 18 Mar 2022 7:14 pm

Tgt Ion:112 Resp: 3235

Ion	Ratio	Lower	Upper
112	100		
77	56.3	24.4	84.4
114	62.8	4.7	64.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174740.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.819	57	60	67	rVB4	3300	4820	0.25%	0.042%
2	1.886	67	71	86	rVV10	5781	15677	0.82%	0.138%
3	1.990	86	88	94	rVB6	2850	3882	0.20%	0.034%
4	2.216	124	125	131	rVB	1400	2017	0.11%	0.018%
5	2.258	131	132	136	rBV2	1326	1675	0.09%	0.015%
6	2.295	136	138	142	rVB	1066	962	0.05%	0.008%
7	2.405	153	156	161	rVB2	830	1607	0.08%	0.014%
8	2.441	161	162	168	rBV2	929	1673	0.09%	0.015%
9	2.587	181	186	194	rBV3	1502	3091	0.16%	0.027%
10	2.679	199	201	205	rVB	815	1053	0.05%	0.009%
11	2.728	205	209	211	rBV2	931	1375	0.07%	0.012%
12	2.752	211	213	218	rVB2	1411	1241	0.06%	0.011%
13	2.874	222	233	259	rBV	166918	310281	16.16%	2.733%
14	3.075	263	266	273	rBV2	916	1563	0.08%	0.014%
15	3.599	343	352	362	rBV	1549	4655	0.24%	0.041%
16	3.691	362	367	368	rBV2	1954	1857	0.10%	0.016%
17	3.727	368	373	385	rVV2	4629	9333	0.49%	0.082%
18	3.880	392	398	403	rBV	824	1980	0.10%	0.017%
19	3.935	403	407	408	rVV2	1130	1039	0.05%	0.009%
20	3.959	408	411	415	rVB2	1299	1773	0.09%	0.016%
21	4.063	421	428	452	rBV	1144303	1805909	94.06%	15.905%
22	4.227	452	455	461	rVB	1256	1604	0.08%	0.014%
23	4.313	461	469	486	rVB	388540	601816	31.35%	5.300%
24	4.538	503	506	513	rVV3	1396	1816	0.09%	0.016%
25	4.624	513	520	544	rVV	876263	1371604	71.44%	12.080%
26	4.806	547	550	555	rVV	924	1581	0.08%	0.014%
27	4.874	555	561	567	rVB4	3054	5348	0.28%	0.047%
28	5.184	606	612	615	rVV	616	1064	0.06%	0.009%
29	5.233	618	620	625	rVB	829	1063	0.06%	0.009%
30	5.282	625	628	631	rBV2	837	962	0.05%	0.008%
31	5.367	636	642	646	rVB	1111	1941	0.10%	0.017%
32	5.447	654	655	659	rBV	1132	1097	0.06%	0.010%
33	5.532	666	669	675	rVB2	649	1063	0.06%	0.009%
34	5.587	675	678	685	rVB2	1231	1646	0.09%	0.014%
35	5.666	685	691	696	rBV	1164	1945	0.10%	0.017%
36	5.758	696	706	726	rBV	1238065	1917898	99.89%	16.891%
37	5.977	738	742	745	rVB2	1017	1188	0.06%	0.010%
38	6.068	751	757	759	rVV	1477	2162	0.11%	0.019%
39	6.184	770	776	782	rBV2	1138	1749	0.09%	0.015%
40	6.257	782	788	794	rVB4	14074	24201	1.26%	0.213%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	6.324	794	799	803	rBV3	1582	2266	0.12%	0.020%
42	6.477	818	824	827	rVB2	1110	2043	0.11%	0.018%
43	6.538	827	834	835	rBV2	1000	1620	0.08%	0.014%
44	6.794	873	876	881	rVV	756	1267	0.07%	0.011%
45	6.837	881	883	897	rVV2	518	1406	0.07%	0.012%
46	6.995	902	909	925	rVV	1068955	1753741	91.34%	15.445%
47	7.434	979	981	983	rBV	1118	997	0.05%	0.009%
48	7.568	997	1003	1005	rBV2	905	1151	0.06%	0.010%
49	8.007	1072	1075	1079	rBV2	833	1239	0.06%	0.011%
50	8.074	1079	1086	1101	rVV	930653	1445245	75.28%	12.728%
51	8.312	1123	1125	1129	rBV	814	945	0.05%	0.008%
52	8.806	1200	1206	1211	rBV	764	1634	0.09%	0.014%
53	8.940	1223	1228	1239	rVB	1447	2655	0.14%	0.023%
54	9.184	1261	1268	1282	rVB	1203244	1919952	100.00%	16.909%
55	9.318	1286	1290	1294	rVV	915	1043	0.05%	0.009%
56	9.385	1299	1301	1312	rBV2	640	1426	0.07%	0.013%
57	9.568	1325	1331	1333	rVV2	905	981	0.05%	0.009%
58	9.879	1376	1382	1384	rBV	578	1251	0.07%	0.011%
59	9.976	1389	1398	1401	rBV	1287	2956	0.15%	0.026%
60	10.232	1435	1440	1445	rVB2	1204	2562	0.13%	0.023%
61	10.293	1445	1450	1452	rBV	957	1433	0.07%	0.013%
62	10.336	1452	1457	1462	rBV	587	1310	0.07%	0.012%
63	10.616	1492	1503	1506	rBV	987	3080	0.16%	0.027%
64	10.647	1506	1508	1513	rVV	584	966	0.05%	0.009%
65	10.946	1552	1557	1559	rBV	994	1531	0.08%	0.013%
66	10.982	1561	1563	1568	rVB	1089	967	0.05%	0.009%
67	11.055	1574	1575	1580	rVB2	993	1499	0.08%	0.013%
68	11.128	1580	1587	1591	rBV2	1195	2685	0.14%	0.024%
69	11.165	1591	1593	1596	rVV	1301	1277	0.07%	0.011%
70	11.189	1596	1597	1605	rVB	677	1301	0.07%	0.011%
71	11.287	1610	1613	1615	rVV	1000	1205	0.06%	0.011%
72	11.409	1630	1633	1638	rVV	1287	2125	0.11%	0.019%
73	11.452	1638	1640	1647	rVB	1280	1887	0.10%	0.017%
74	11.586	1659	1662	1664	rVB	1149	1189	0.06%	0.010%
75	11.671	1672	1676	1683	rVB2	1078	2232	0.12%	0.020%
76	11.732	1683	1686	1692	rVB2	1130	1797	0.09%	0.016%
77	11.872	1706	1709	1715	rVB	948	1598	0.08%	0.014%
78	11.933	1718	1719	1728	rBV	1143	1656	0.09%	0.015%
79	12.128	1745	1751	1769	rVB3	827	2864	0.15%	0.025%
80	12.250	1769	1771	1774	rVB2	1254	1396	0.07%	0.012%
81	12.287	1774	1777	1781	rBV2	1361	1815	0.09%	0.016%
82	12.329	1781	1784	1791	rBV3	759	1265	0.07%	0.011%
83	12.421	1795	1799	1807	rVB2	953	1778	0.09%	0.016%
84	12.524	1813	1816	1826	rBV2	1116	2862	0.15%	0.025%
85	12.665	1836	1839	1846	rVB2	908	1804	0.09%	0.016%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.768	1853	1856	1868	rVB3	1343	4230	0.22%	0.037%
87	12.872	1869	1873	1892	rVB2	1470	7194	0.37%	0.063%
88	13.024	1893	1898	1905	rVB2	2080	3978	0.21%	0.035%
89	13.122	1910	1914	1919	rBV2	1670	2652	0.14%	0.023%
90	13.159	1919	1920	1926	rVV	990	1024	0.05%	0.009%
91	13.201	1926	1927	1934	rVB2	1239	1883	0.10%	0.017%
92	13.274	1934	1939	1943	rVB2	1373	2484	0.13%	0.022%
93	13.311	1943	1945	1955	rBV3	1284	3478	0.18%	0.031%
94	13.445	1965	1967	1971	rBV2	2047	1842	0.10%	0.016%
95	13.518	1971	1979	1985	rVV2	1187	3806	0.20%	0.034%
96	13.567	1985	1987	1992	rVV	1500	1509	0.08%	0.013%
97	13.640	1992	1999	2001	rVV	2005	2460	0.13%	0.022%
98	13.780	2004	2022	2024	rVB3	1370	5344	0.28%	0.047%
99	13.805	2024	2026	2028	rBV2	1478	1592	0.08%	0.014%
100	13.847	2028	2033	2036	rBV	1326	2047	0.11%	0.018%

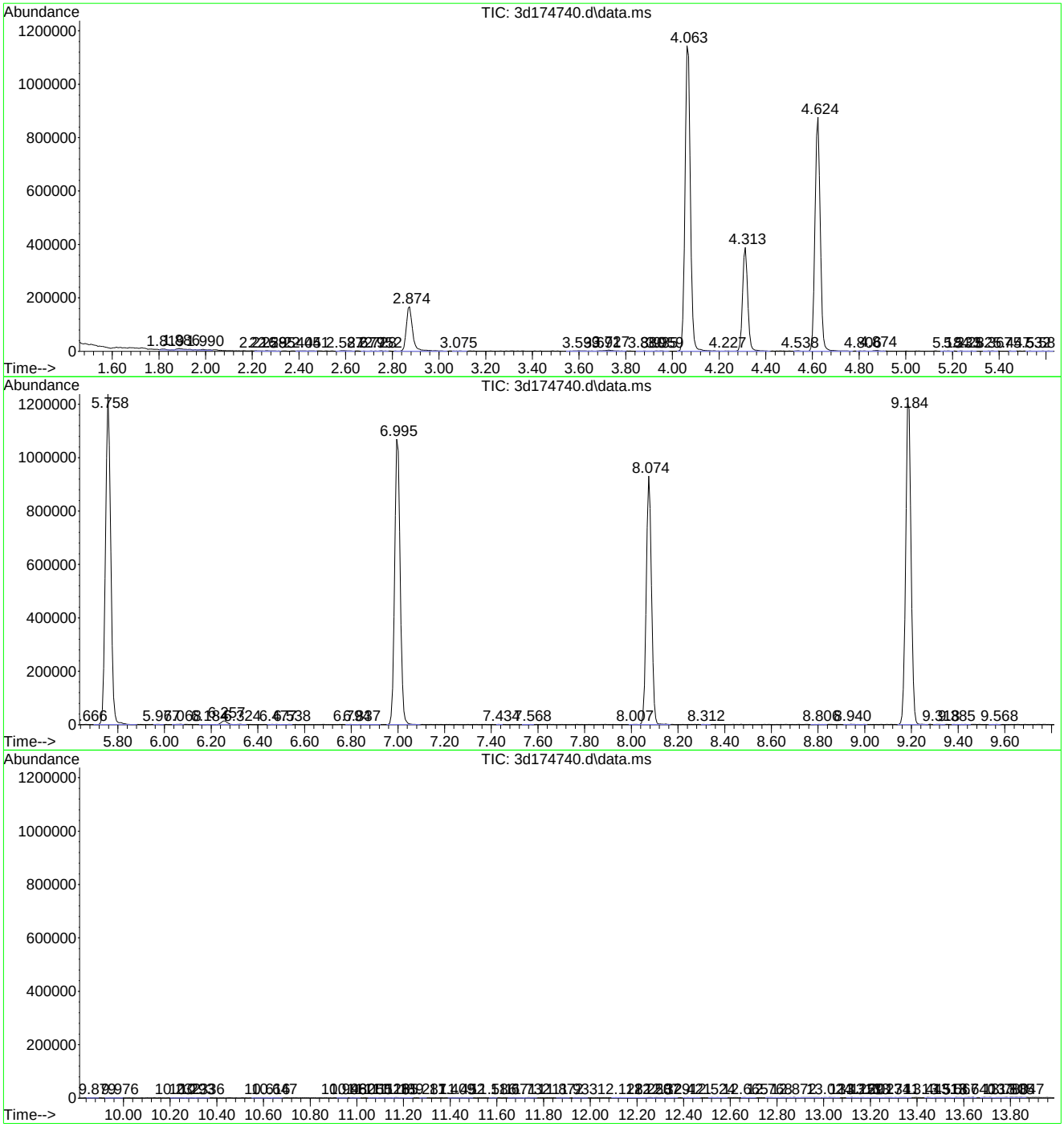
Sum of corrected areas: 11354636

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174740.d
Acq On : 18 Mar 2022 7:14 pm
Operator : nickw
Sample : jd41388-3
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:39:33 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

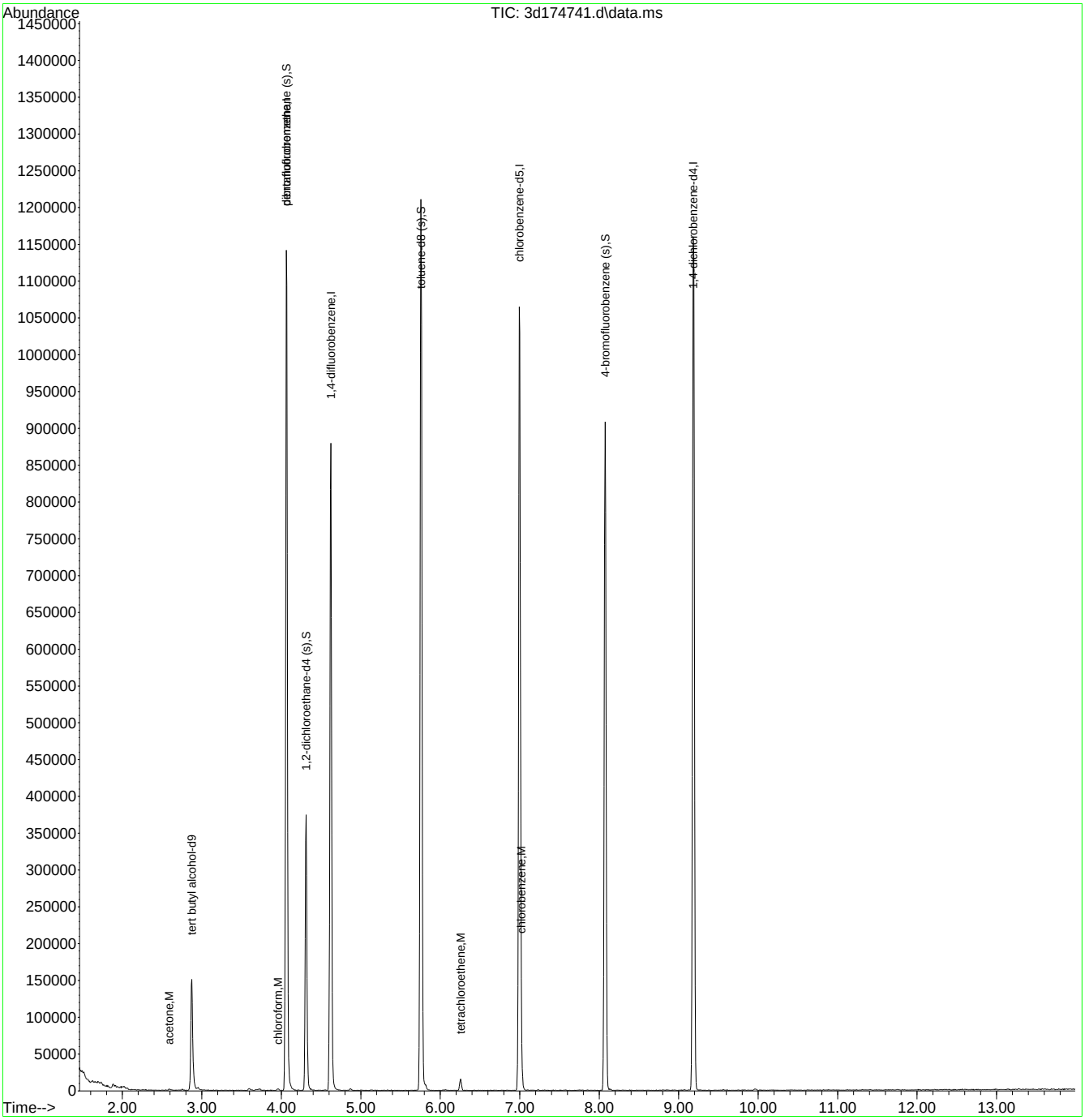
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	150872	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	416801	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	589060	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	562855	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.183	152	310635	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	184419	50.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.92%			
52) 1,2-dichloroethane-d4 (s)	4.312	65	204407	52.51	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.02%			
74) toluene-d8 (s)	5.757	98	715604	50.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.20%			
98) 4-bromofluorobenzene (s)	8.074	95	284616	50.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.68%			
Target Compounds						Qvalue
18) acetone	2.587	58	585	2.55	ug/L #	76
41) chloroform	3.959	85	995	0.22	ug/L	80
79) tetrachloroethene	6.257	164	3294	0.91	ug/L	85
86) chlorobenzene	7.019	112	10698	0.97	ug/L	97

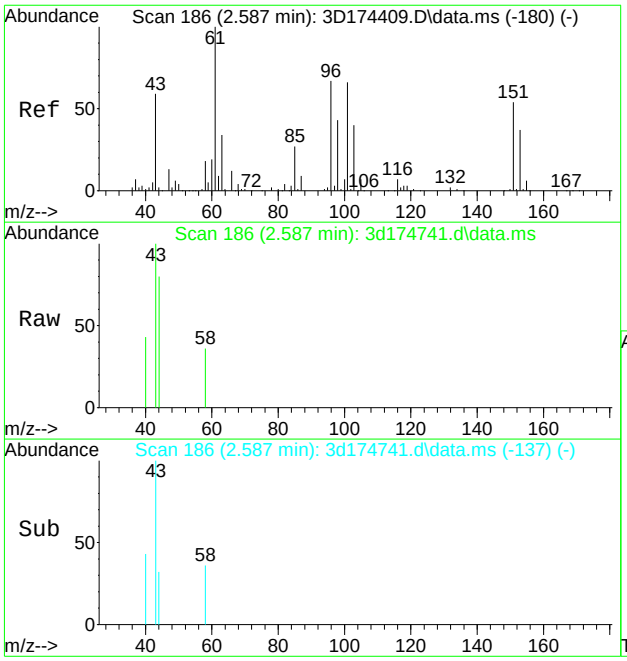
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:39:33 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

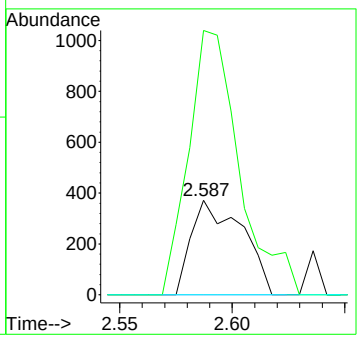


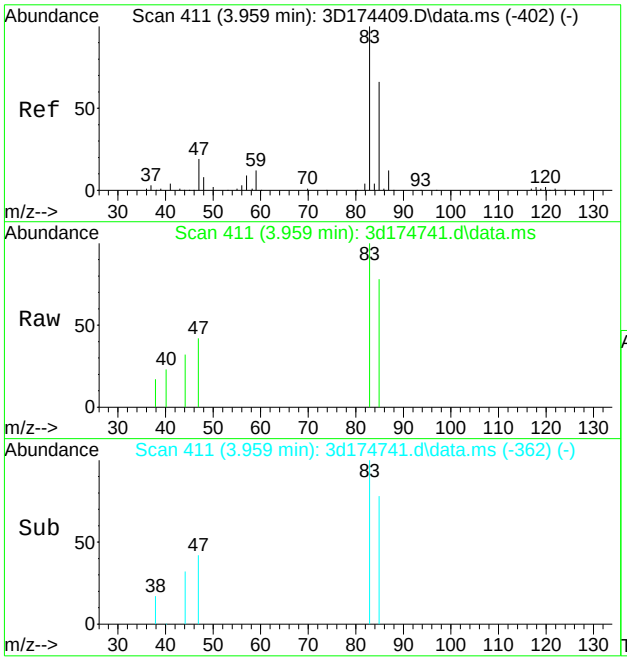


#18
acetone
Concen: 2.55 ug/L
RT: 2.587 min Scan# 186
Delta R.T. 0.000 min
Lab File: 3d174741.d
Acq: 18 Mar 2022 7:37 pm

Tgt Ion: 58 Resp: 585

Ion	Ratio	Lower	Upper
58	100		
43	279.6	294.2	354.2#
42	0.0	0.0	59.2

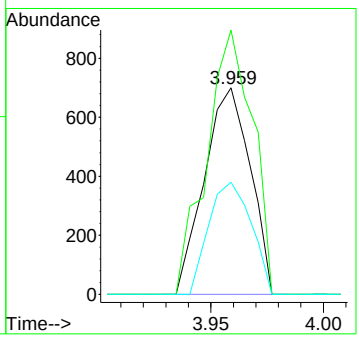


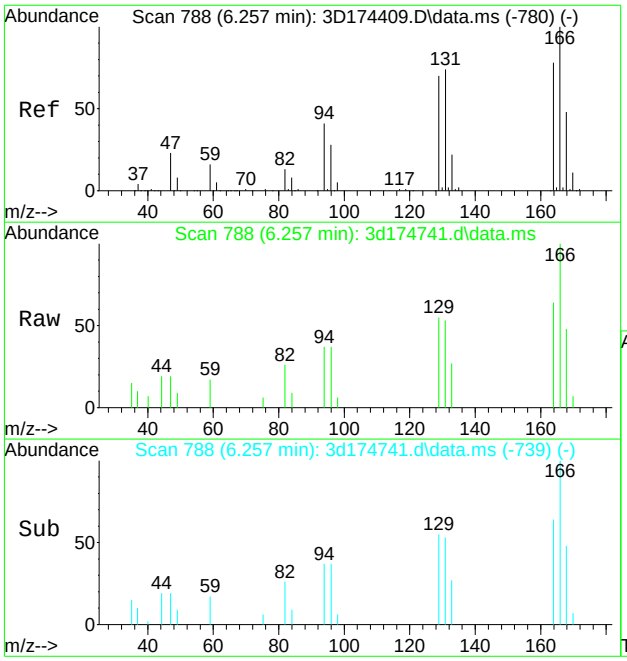


#41
chloroform
Concen: 0.22 ug/L
RT: 3.959 min Scan# 411
Delta R.T. -0.000 min
Lab File: 3d174741.d
Acq: 18 Mar 2022 7:37 pm

Tgt Ion: 85 Resp: 995

Ion	Ratio	Lower	Upper
85	100		
83	128.0	120.6	180.6
47	54.3	5.6	65.6

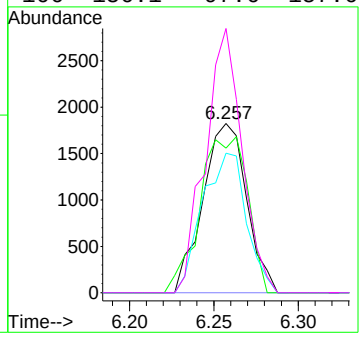


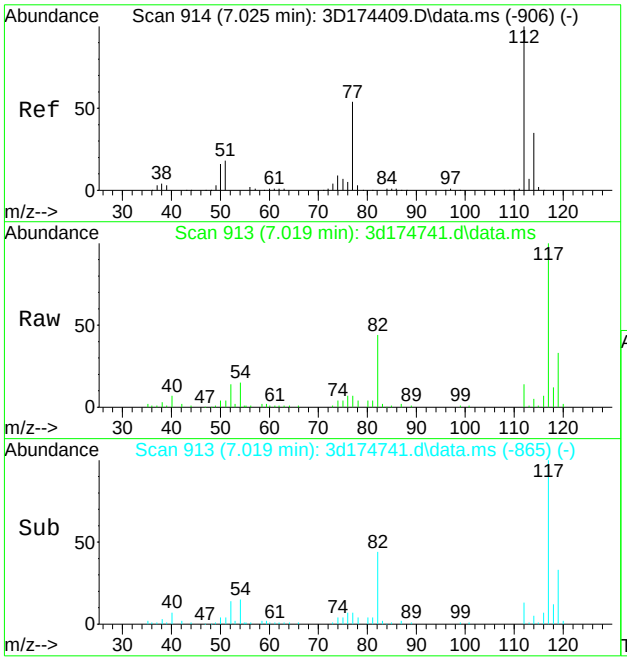


#79
tetrachloroethene
Concen: 0.91 ug/L
RT: 6.257 min Scan# 788
Delta R.T. -0.000 min
Lab File: 3d174741.d
Acq: 18 Mar 2022 7:37 pm

Tgt Ion:164 Resp: 3294

Ion	Ratio	Lower	Upper
164	100		
129	85.4	59.4	119.4
131	82.4	64.6	124.6
166	156.1	97.6	157.6

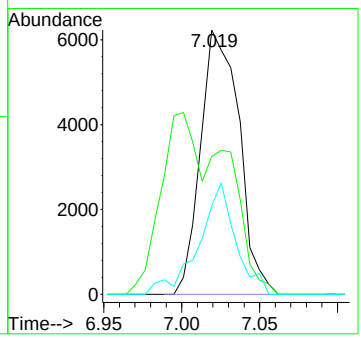




#86
chlorobenzene
Concen: 0.97 ug/L
RT: 7.019 min Scan# 913
Delta R.T. -0.006 min
Lab File: 3d174741.d
Acq: 18 Mar 2022 7:37 pm

Tgt Ion:112 Resp: 10698

Ion	Ratio	Lower	Upper
112	100		
77	52.1	24.4	84.4
114	33.5	4.7	64.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174741.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.880	66	70	84	rBV8	4820	15174	0.79%	0.135%
2	2.020	87	93	108	rVB6	5149	18286	0.95%	0.162%
3	2.160	111	116	119	rVB2	1115	2045	0.11%	0.018%
4	2.209	119	124	128	rBV	860	1177	0.06%	0.010%
5	2.502	168	172	176	rBV	758	1339	0.07%	0.012%
6	2.545	176	179	181	rBV	951	1146	0.06%	0.010%
7	2.587	183	186	193	rVB3	2041	3535	0.18%	0.031%
8	2.758	211	214	217	rVB	1665	1784	0.09%	0.016%
9	2.874	224	233	243	rBV	150843	269641	14.06%	2.393%
10	2.953	243	246	256	rVV3	4156	8663	0.45%	0.077%
11	3.026	256	258	262	rVV2	1003	1357	0.07%	0.012%
12	3.148	274	278	280	rBV	1165	1205	0.06%	0.011%
13	3.191	280	285	290	rVB	714	1180	0.06%	0.010%
14	3.392	313	318	322	rBV	835	1196	0.06%	0.011%
15	3.599	347	352	360	rBV2	3056	6543	0.34%	0.058%
16	3.691	360	367	368	rVV	1390	2387	0.12%	0.021%
17	3.721	368	372	379	rVB2	2408	5337	0.28%	0.047%
18	3.776	379	381	388	rVB	1007	1746	0.09%	0.015%
19	3.953	404	410	417	rBV3	2280	4628	0.24%	0.041%
20	4.063	421	428	446	rVV	1141554	1800151	93.85%	15.978%
21	4.209	450	452	459	rBV	1090	1746	0.09%	0.015%
22	4.312	459	469	483	rBV	374637	582760	30.38%	5.172%
23	4.556	505	509	512	rVB2	948	1482	0.08%	0.013%
24	4.623	512	520	537	rBV	879653	1368669	71.36%	12.148%
25	4.867	553	560	567	rVB3	2755	5227	0.27%	0.046%
26	4.995	579	581	587	rBV	795	1174	0.06%	0.010%
27	5.123	598	602	608	rBV2	810	1768	0.09%	0.016%
28	5.190	608	613	622	rVB	863	2214	0.12%	0.020%
29	5.337	635	637	643	rVB	1182	1260	0.07%	0.011%
30	5.562	669	674	679	rBV	646	1567	0.08%	0.014%
31	5.757	693	706	727	rBV	1210872	1918090	100.00%	17.025%
32	6.062	755	756	764	rVB	1326	2086	0.11%	0.019%
33	6.257	779	788	794	rVV5	15844	26554	1.38%	0.236%
34	6.477	822	824	831	rVV	786	1208	0.06%	0.011%
35	6.672	854	856	865	rBV	773	1314	0.07%	0.012%
36	6.995	901	909	923	rVB	1064709	1775143	92.55%	15.756%
37	7.099	923	926	930	rVB	1195	1635	0.09%	0.015%
38	7.233	942	948	951	rVB	1485	2146	0.11%	0.019%
39	7.312	959	961	966	rVB	1033	1204	0.06%	0.011%
40	7.446	981	983	990	rVB	886	1192	0.06%	0.011%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.751	1027	1033	1037	rVV2	931	1951	0.10%	0.017%
42	7.854	1044	1050	1053	rVB	1040	1450	0.08%	0.013%
43	7.879	1053	1054	1061	rBV2	602	1206	0.06%	0.011%
44	8.074	1078	1086	1102	rVV	908585	1424844	74.28%	12.647%
45	8.293	1119	1122	1134	rVB	701	1742	0.09%	0.015%
46	8.385	1134	1137	1147	rBV	885	1533	0.08%	0.014%
47	8.470	1147	1151	1169	rBV2	649	2545	0.13%	0.023%
48	8.854	1210	1214	1220	rVB2	995	2110	0.11%	0.019%
49	8.921	1220	1225	1227	rBV	1202	1280	0.07%	0.011%
50	9.074	1245	1250	1255	rBV2	1404	2301	0.12%	0.020%
51	9.123	1255	1258	1261	rBV	1069	1408	0.07%	0.012%
52	9.183	1261	1268	1280	rVB	1159482	1882841	98.16%	16.712%
53	9.555	1328	1329	1333	rVV2	1083	1303	0.07%	0.012%
54	9.653	1344	1345	1354	rBV	504	1399	0.07%	0.012%
55	9.750	1358	1361	1366	rVB	907	1532	0.08%	0.014%
56	9.805	1366	1370	1372	rBV2	907	1424	0.07%	0.013%
57	9.824	1372	1373	1378	rVB	926	1149	0.06%	0.010%
58	9.872	1378	1381	1390	rVB	627	1937	0.10%	0.017%
59	9.958	1390	1395	1403	rBV3	2314	5379	0.28%	0.048%
60	10.415	1465	1470	1475	rVV2	567	1341	0.07%	0.012%
61	10.622	1502	1504	1510	rVV2	709	1339	0.07%	0.012%
62	10.884	1546	1547	1553	rVV	1079	1348	0.07%	0.012%
63	10.951	1553	1558	1563	rVV	611	1394	0.07%	0.012%
64	11.122	1580	1586	1594	rBV	872	1825	0.10%	0.016%
65	11.409	1629	1633	1639	rVB2	1377	2869	0.15%	0.025%
66	11.464	1639	1642	1645	rBV	863	1327	0.07%	0.012%
67	11.549	1648	1656	1659	rVV	809	1661	0.09%	0.015%
68	11.604	1659	1665	1672	rVB	943	2358	0.12%	0.021%
69	11.659	1672	1674	1678	rBV	1015	1255	0.07%	0.011%
70	11.762	1684	1691	1697	rVV2	1342	3329	0.17%	0.030%
71	11.921	1716	1717	1723	rVV	902	1477	0.08%	0.013%
72	11.970	1723	1725	1730	rVV2	878	1647	0.09%	0.015%
73	12.037	1733	1736	1738	rVB	1131	1499	0.08%	0.013%
74	12.073	1738	1742	1747	rBV2	1113	2296	0.12%	0.020%
75	12.140	1747	1753	1756	rBV2	1360	2590	0.14%	0.023%
76	12.226	1763	1767	1770	rBV2	1025	1357	0.07%	0.012%
77	12.311	1774	1781	1783	rVB2	1002	1586	0.08%	0.014%
78	12.347	1783	1787	1789	rBV	1052	1522	0.08%	0.014%
79	12.402	1793	1796	1802	rVB	1609	2380	0.12%	0.021%
80	12.567	1817	1823	1825	rBV2	1354	1677	0.09%	0.015%
81	12.683	1840	1842	1844	rBV2	1213	1164	0.06%	0.010%
82	12.750	1848	1853	1854	rVB3	1225	1542	0.08%	0.014%
83	12.969	1882	1889	1890	rBV2	755	1169	0.06%	0.010%
84	13.030	1897	1899	1914	rBV2	979	3725	0.19%	0.033%
85	13.134	1914	1916	1924	rVB	1360	2461	0.13%	0.022%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	13.207	1924	1928	1931	rBV3	1244	1716	0.09%	0.015%
87	13.238	1931	1933	1937	rVV2	1042	1585	0.08%	0.014%
88	13.280	1937	1940	1945	rVB3	1817	2743	0.14%	0.024%
89	13.341	1945	1950	1952	rBV2	1027	1906	0.10%	0.017%
90	13.366	1952	1954	1964	rVV2	1188	2843	0.15%	0.025%
91	13.463	1968	1970	1978	rVV3	1199	2022	0.11%	0.018%
92	13.555	1978	1985	1986	rVB3	1372	2269	0.12%	0.020%
93	13.573	1986	1988	1991	rBV2	1796	2018	0.11%	0.018%
94	13.609	1992	1994	2003	rVB3	1649	3145	0.16%	0.028%
95	13.689	2003	2007	2011	rBV2	1550	2127	0.11%	0.019%
96	13.725	2011	2013	2015	rVB	1767	1433	0.07%	0.013%
97	13.744	2015	2016	2020	rBV2	1118	1583	0.08%	0.014%
98	13.780	2020	2022	2027	rVB2	1499	1513	0.08%	0.013%
99	13.829	2027	2030	2033	rVB	1446	1904	0.10%	0.017%
100	13.853	2033	2034	2041	rBV2	1698	3323	0.17%	0.029%

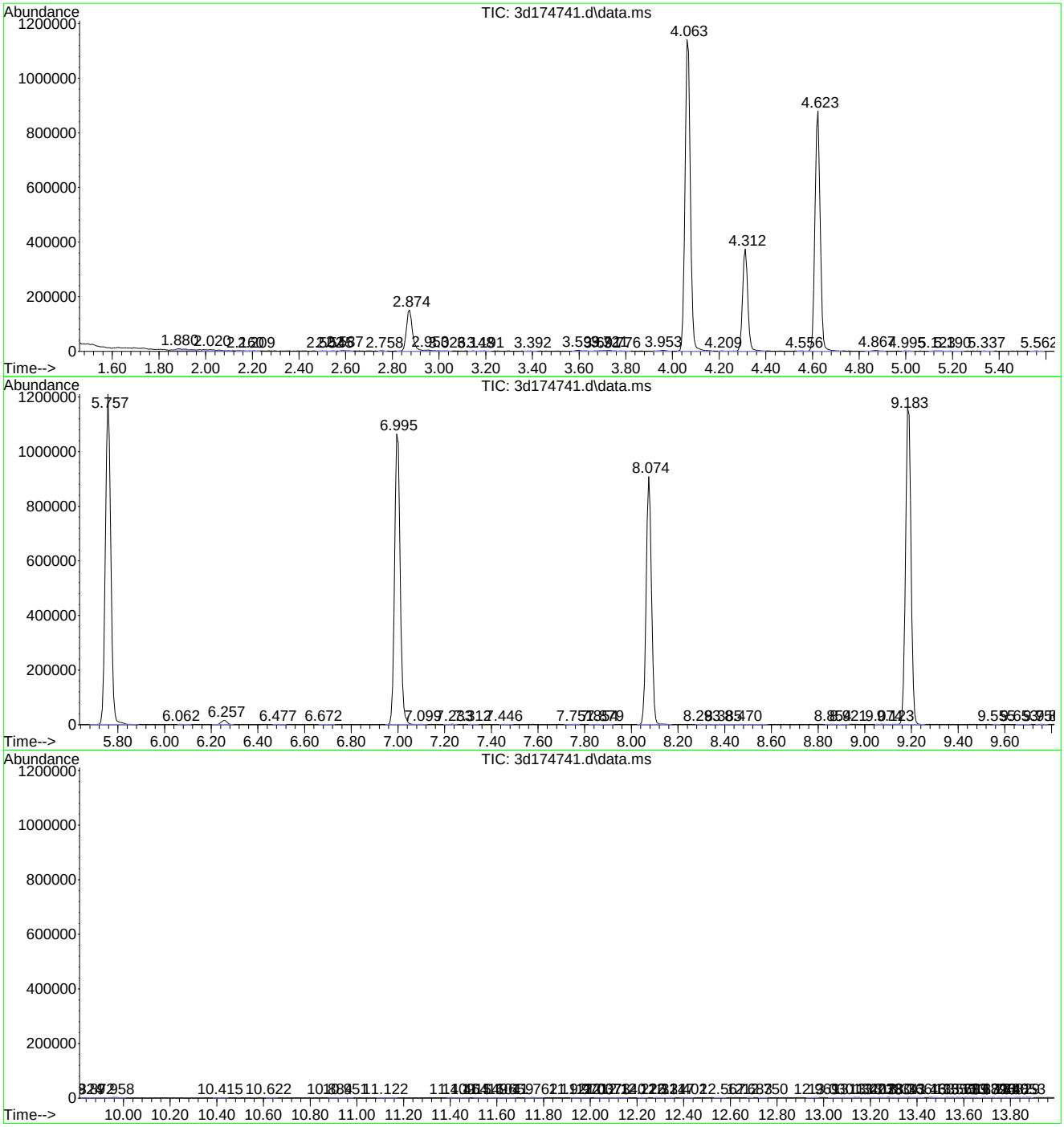
Sum of corrected areas: 11266561

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174741.d
Acq On : 18 Mar 2022 7:37 pm
Operator : nickw
Sample : jd41388-4
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:41:54 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

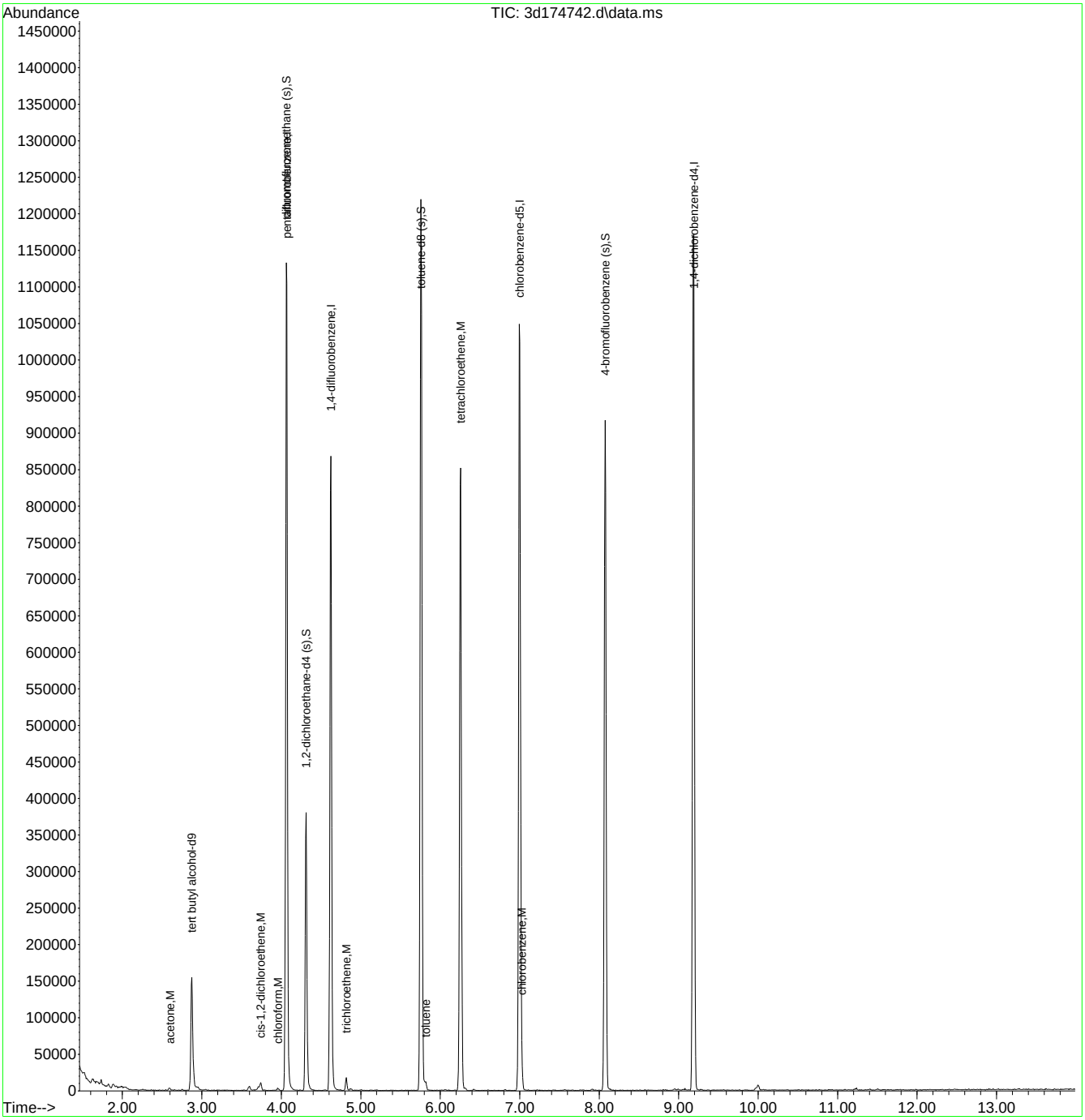
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	153683	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	414193	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	589940	50.00	ug/L	0.00
73) chlorobenzene-d5	7.001	117	556443	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	310023	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	184350	51.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.54%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	208252	53.42	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 106.84%			
74) toluene-d8 (s)	5.757	98	720147	51.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.00%			
98) 4-bromofluorobenzene (s)	8.074	95	286937	50.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.70%			
Target Compounds						Qvalue
18) acetone	2.599	58	1148	5.03	ug/L #	19
36) cis-1,2-dichloroethene	3.739	96	3087	0.78	ug/L	95
41) chloroform	3.959	85	1133	0.25	ug/L	83
60) trichloroethene	4.819	130	4566	1.12	ug/L	96
75) toluene	5.818	92	3392	0.36	ug/L	87
79) tetrachloroethene	6.257	164	183128	51.44	ug/L	96
86) chlorobenzene	7.025	112	11197	1.03	ug/L	100

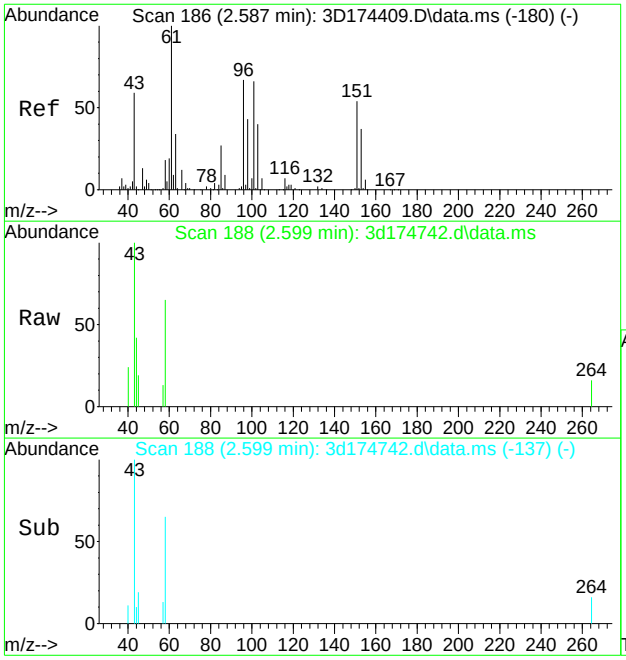
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:41:54 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

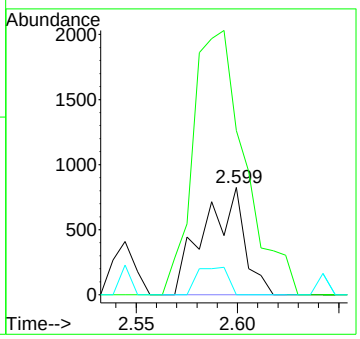


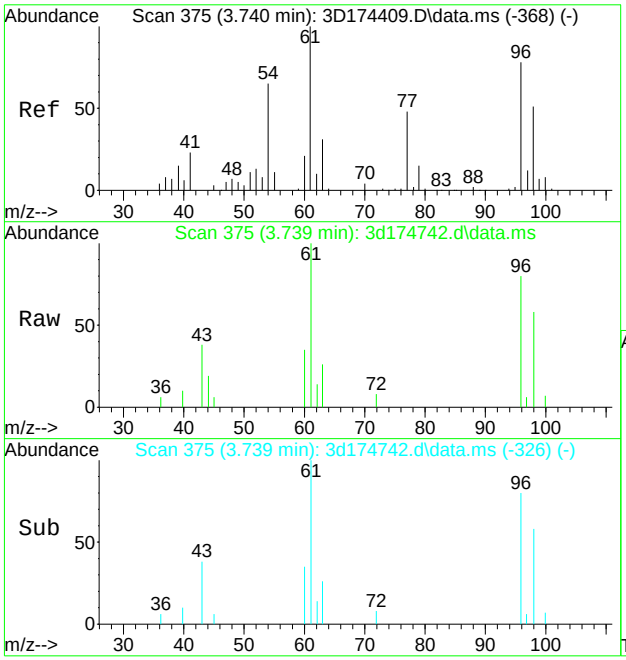


#18
acetone
Concen: 5.03 ug/L
RT: 2.599 min Scan# 188
Delta R.T. 0.012 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion: 58 Resp: 1148

Ion	Ratio	Lower	Upper
58	100		
43	152.9	294.2	354.2#
42	0.0	0.0	59.2

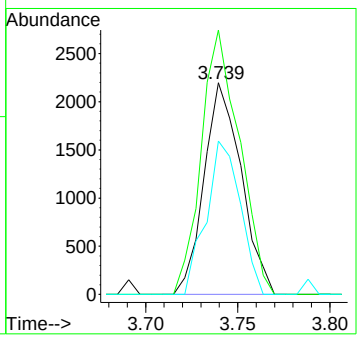


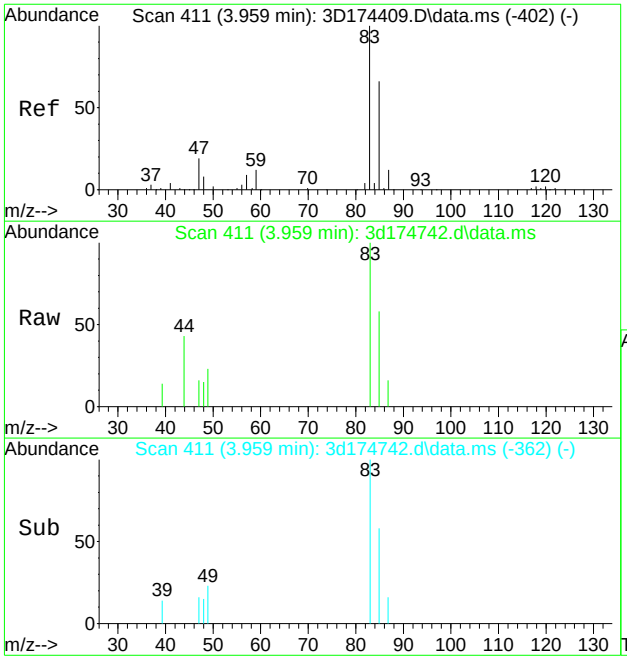


#36
cis-1,2-dichloroethene
Concen: 0.78 ug/L
RT: 3.739 min Scan# 375
Delta R.T. -0.000 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion: 96 Resp: 3087

Ion	Ratio	Lower	Upper
96	100		
61	124.9	98.0	158.0
98	72.5	34.8	94.8

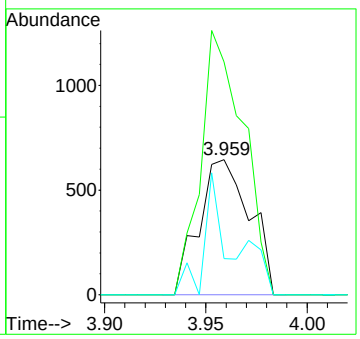


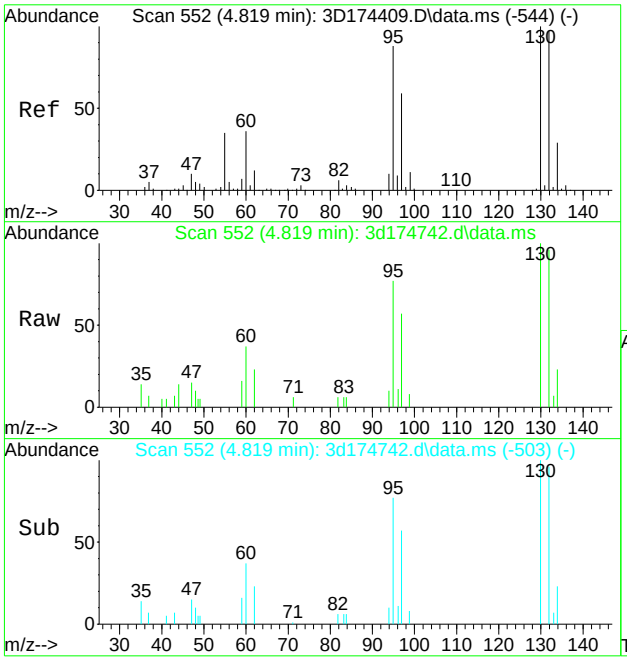


#41
chloroform
Concen: 0.25 ug/L
RT: 3.959 min Scan# 411
Delta R.T. -0.000 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion: 85 Resp: 1133

Ion	Ratio	Lower	Upper
85	100		
83	172.4	120.6	180.6
47	26.8	5.6	65.6

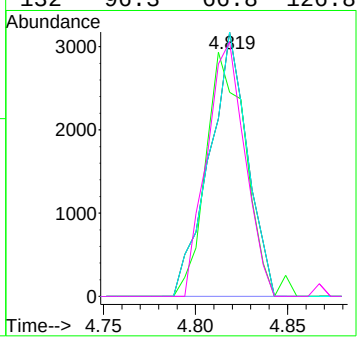


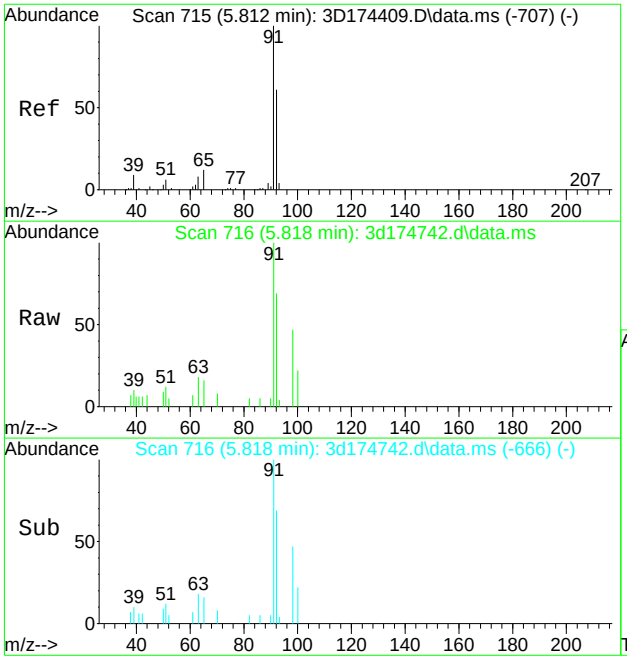


#60
trichloroethene
Concen: 1.12 ug/L
RT: 4.819 min Scan# 552
Delta R.T. -0.000 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion:130 Resp: 4566

Ion	Ratio	Lower	Upper
130	100		
95	77.2	57.7	117.7
130	100.0	70.0	130.0
132	96.3	66.8	126.8

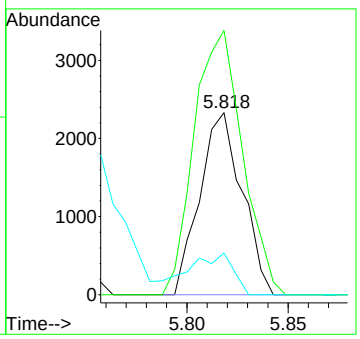


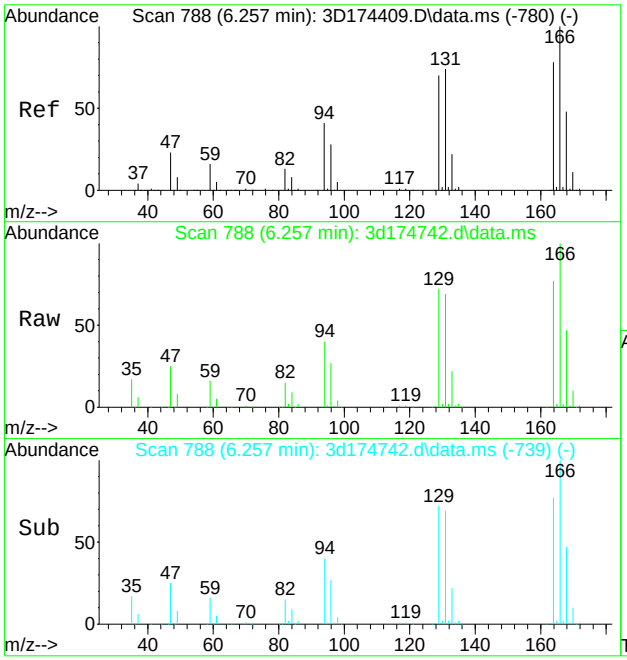


#75
toluene
Concen: 0.36 ug/L
RT: 5.818 min Scan# 716
Delta R.T. 0.006 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion: 92 Resp: 3392

Ion	Ratio	Lower	Upper
92	100		
91	145.0	144.2	184.2
65	22.8	0.0	40.0

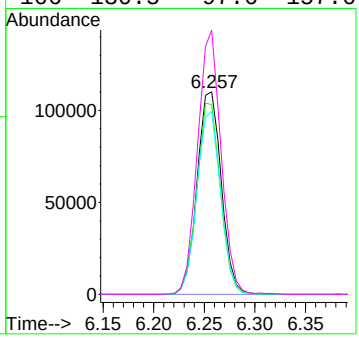


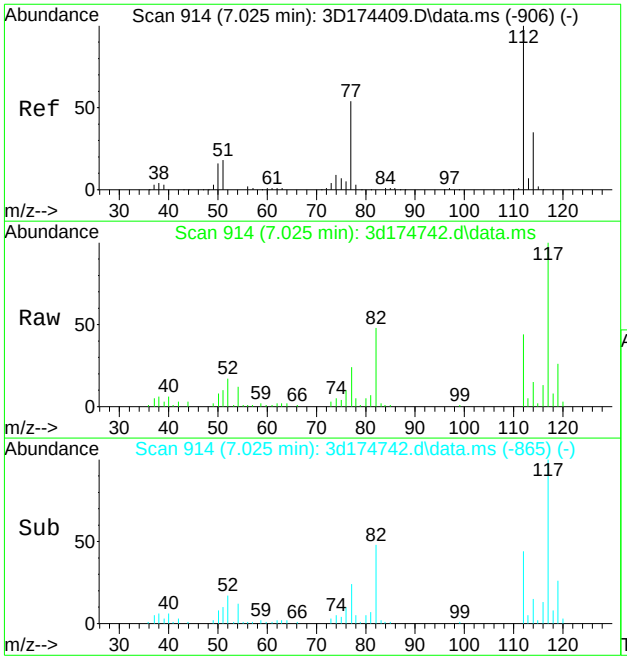


#79
tetrachloroethene
Concen: 51.44 ug/L
RT: 6.257 min Scan# 788
Delta R.T. -0.000 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion:164 Resp: 183128

Ion	Ratio	Lower	Upper
164	100		
129	93.7	59.4	119.4
131	90.3	64.6	124.6
166	130.5	97.6	157.6

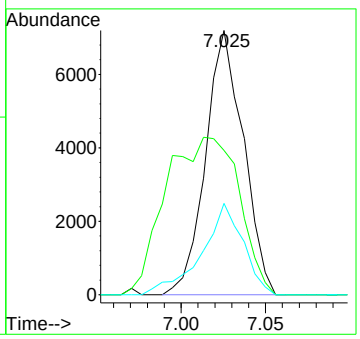




#86
chlorobenzene
Concen: 1.03 ug/L
RT: 7.025 min Scan# 914
Delta R.T. -0.000 min
Lab File: 3d174742.d
Acq: 18 Mar 2022 8:01 pm

Tgt Ion:112 Resp: 11197

Ion	Ratio	Lower	Upper
112	100		
77	54.6	24.4	84.4
114	34.6	4.7	64.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174742.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.624	24	28	44	rVV3	6312	24479	1.27%	0.192%
2	1.734	44	46	58	rVV3	9349	12556	0.65%	0.098%
3	1.825	58	61	67	rVB2	5564	7740	0.40%	0.061%
4	1.886	67	71	80	rVB4	5295	13564	0.70%	0.106%
5	2.020	92	93	104	rVB5	4269	11312	0.59%	0.089%
6	2.093	104	105	110	rVB2	1284	1745	0.09%	0.014%
7	2.154	110	115	117	rBV	897	1199	0.06%	0.009%
8	2.258	125	132	142	rVB4	1814	4697	0.24%	0.037%
9	2.465	164	166	170	rBV	1031	1268	0.07%	0.010%
10	2.587	182	186	195	rVB3	3268	6818	0.35%	0.053%
11	2.654	195	197	204	rBV2	1242	1406	0.07%	0.011%
12	2.752	210	213	216	rVB2	1726	1628	0.08%	0.013%
13	2.874	226	233	256	rBV	154790	290331	15.01%	2.272%
14	3.044	256	261	265	rVB4	1365	2847	0.15%	0.022%
15	3.191	284	285	288	rBV2	1287	1205	0.06%	0.009%
16	3.319	303	306	314	rVB	929	2204	0.11%	0.017%
17	3.599	344	352	358	rBV2	5931	11038	0.57%	0.086%
18	3.739	363	375	380	rVB5	10917	26300	1.36%	0.206%
19	3.776	380	381	389	rVB2	1154	2018	0.10%	0.016%
20	3.953	406	410	418	rVB3	3399	5275	0.27%	0.041%
21	4.063	418	428	455	rBV	1132906	1791945	92.67%	14.021%
22	4.313	461	469	485	rBV	380708	592966	30.67%	4.640%
23	4.550	502	508	512	rBV2	1010	2031	0.11%	0.016%
24	4.623	512	520	533	rBV	868036	1363110	70.50%	10.665%
25	4.739	538	539	544	rVB2	1575	1456	0.08%	0.011%
26	4.819	544	552	557	rBV	18067	26074	1.35%	0.204%
27	4.867	557	560	568	rVB2	2642	4259	0.22%	0.033%
28	5.008	577	583	586	rBV2	1307	2041	0.11%	0.016%
29	5.111	597	600	609	rVV3	810	1575	0.08%	0.012%
30	5.197	613	614	621	rVB2	1139	1499	0.08%	0.012%
31	5.373	641	643	651	rVV	787	1429	0.07%	0.011%
32	5.520	660	667	671	rBV2	1019	1859	0.10%	0.015%
33	5.757	696	706	724	rVV	1219585	1933623	100.00%	15.129%
34	6.062	751	756	761	rVV3	1257	2529	0.13%	0.020%
35	6.257	779	788	806	rVB	852136	1400342	72.42%	10.957%
36	6.416	812	814	820	rVV3	1927	2382	0.12%	0.019%
37	6.526	826	832	836	rBV	616	1335	0.07%	0.010%
38	6.812	875	879	885	rVB2	1335	2090	0.11%	0.016%
39	6.995	900	909	926	rBV	1049058	1755086	90.77%	13.732%
40	7.220	944	946	950	rVB2	1285	1732	0.09%	0.014%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.367	967	970	976	rBV	973	1664	0.09%	0.013%
42	7.568	999	1003	1007	rVV2	1480	2262	0.12%	0.018%
43	7.605	1007	1009	1016	rVV	678	1369	0.07%	0.011%
44	7.653	1016	1017	1023	rVB	810	1275	0.07%	0.010%
45	7.757	1032	1034	1039	rBV	997	1676	0.09%	0.013%
46	7.794	1039	1040	1045	rVV	987	1348	0.07%	0.011%
47	7.922	1055	1061	1065	rBV3	2309	4495	0.23%	0.035%
48	8.074	1077	1086	1106	rVB	917553	1429335	73.92%	11.184%
49	8.428	1140	1144	1147	rVB	877	1294	0.07%	0.010%
50	8.482	1147	1153	1155	rBV	873	1591	0.08%	0.012%
51	8.513	1155	1158	1165	rVV	1009	1734	0.09%	0.014%
52	8.574	1165	1168	1173	rVV	1363	1474	0.08%	0.012%
53	8.952	1224	1230	1234	rBV3	2148	3636	0.19%	0.028%
54	8.995	1234	1237	1243	rVB2	1710	2109	0.11%	0.017%
55	9.049	1243	1246	1248	rBV	1103	1535	0.08%	0.012%
56	9.190	1260	1269	1281	rVB	1171930	1885267	97.50%	14.751%
57	9.275	1281	1283	1290	rBV3	1490	2162	0.11%	0.017%
58	9.366	1295	1298	1305	rVB	1074	2074	0.11%	0.016%
59	9.433	1305	1309	1310	rBV	1068	1223	0.06%	0.010%
60	9.568	1327	1331	1335	rVB2	1102	1506	0.08%	0.012%
61	9.610	1335	1338	1346	rBV	677	1312	0.07%	0.010%
62	10.000	1393	1402	1407	rBV4	7320	17584	0.91%	0.138%
63	10.068	1410	1413	1416	rVV3	1441	1686	0.09%	0.013%
64	10.202	1433	1435	1440	rBV	788	1346	0.07%	0.011%
65	10.372	1457	1463	1469	rVB	689	1250	0.06%	0.010%
66	10.506	1484	1485	1490	rVB	1240	1614	0.08%	0.013%
67	10.549	1490	1492	1504	rBV3	1172	3529	0.18%	0.028%
68	10.634	1504	1506	1512	rBV	985	1221	0.06%	0.010%
69	10.884	1544	1547	1552	rBV	1036	1305	0.07%	0.010%
70	11.092	1576	1581	1586	rBV2	1582	2447	0.13%	0.019%
71	11.134	1586	1588	1598	rVB2	959	2596	0.13%	0.020%
72	11.238	1598	1605	1610	rBV3	3549	6110	0.32%	0.048%
73	11.348	1618	1623	1627	rBV2	910	1507	0.08%	0.012%
74	11.409	1630	1633	1637	rVB	1792	2260	0.12%	0.018%
75	11.506	1642	1649	1656	rVB3	2239	4394	0.23%	0.034%
76	11.927	1715	1718	1724	rVB2	947	1760	0.09%	0.014%
77	11.982	1724	1727	1733	rBV	1357	1854	0.10%	0.015%
78	12.079	1740	1743	1748	rBV2	1012	2061	0.11%	0.016%
79	12.128	1748	1751	1754	rBV2	1251	1416	0.07%	0.011%
80	12.159	1754	1756	1769	rVB	1270	4246	0.22%	0.033%
81	12.268	1769	1774	1775	rBV2	947	1479	0.08%	0.012%
82	12.402	1794	1796	1804	rVB2	1061	1578	0.08%	0.012%
83	12.463	1804	1806	1823	rVB5	1273	4492	0.23%	0.035%
84	12.652	1833	1837	1840	rVB2	1428	1617	0.08%	0.013%
85	12.756	1851	1854	1857	rBV2	1169	1374	0.07%	0.011%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.817	1863	1864	1871	rVB2	1098	2214	0.11%	0.017%
87	12.878	1871	1874	1875	rBV	1445	1386	0.07%	0.011%
88	12.902	1877	1878	1883	rVB2	1811	1632	0.08%	0.013%
89	13.024	1891	1898	1901	rVB4	1849	2672	0.14%	0.021%
90	13.140	1906	1917	1921	rBV2	1095	3821	0.20%	0.030%
91	13.232	1929	1932	1935	rBV2	1103	1420	0.07%	0.011%
92	13.286	1935	1941	1946	rVV3	1630	2488	0.13%	0.019%
93	13.402	1959	1960	1967	rBV3	1289	1267	0.07%	0.010%
94	13.463	1967	1970	1972	rVB2	1636	1897	0.10%	0.015%
95	13.555	1984	1985	1993	rVB3	1247	2195	0.11%	0.017%
96	13.622	1993	1996	2011	rVB3	2071	5516	0.29%	0.043%
97	13.725	2011	2013	2024	rBV3	1757	4342	0.22%	0.034%
98	13.805	2024	2026	2034	rBV3	1394	2862	0.15%	0.022%
99	13.859	2034	2035	2043	rVB4	1433	3471	0.18%	0.027%
100	13.920	2043	2045	2052	rBV3	1831	3423	0.18%	0.027%

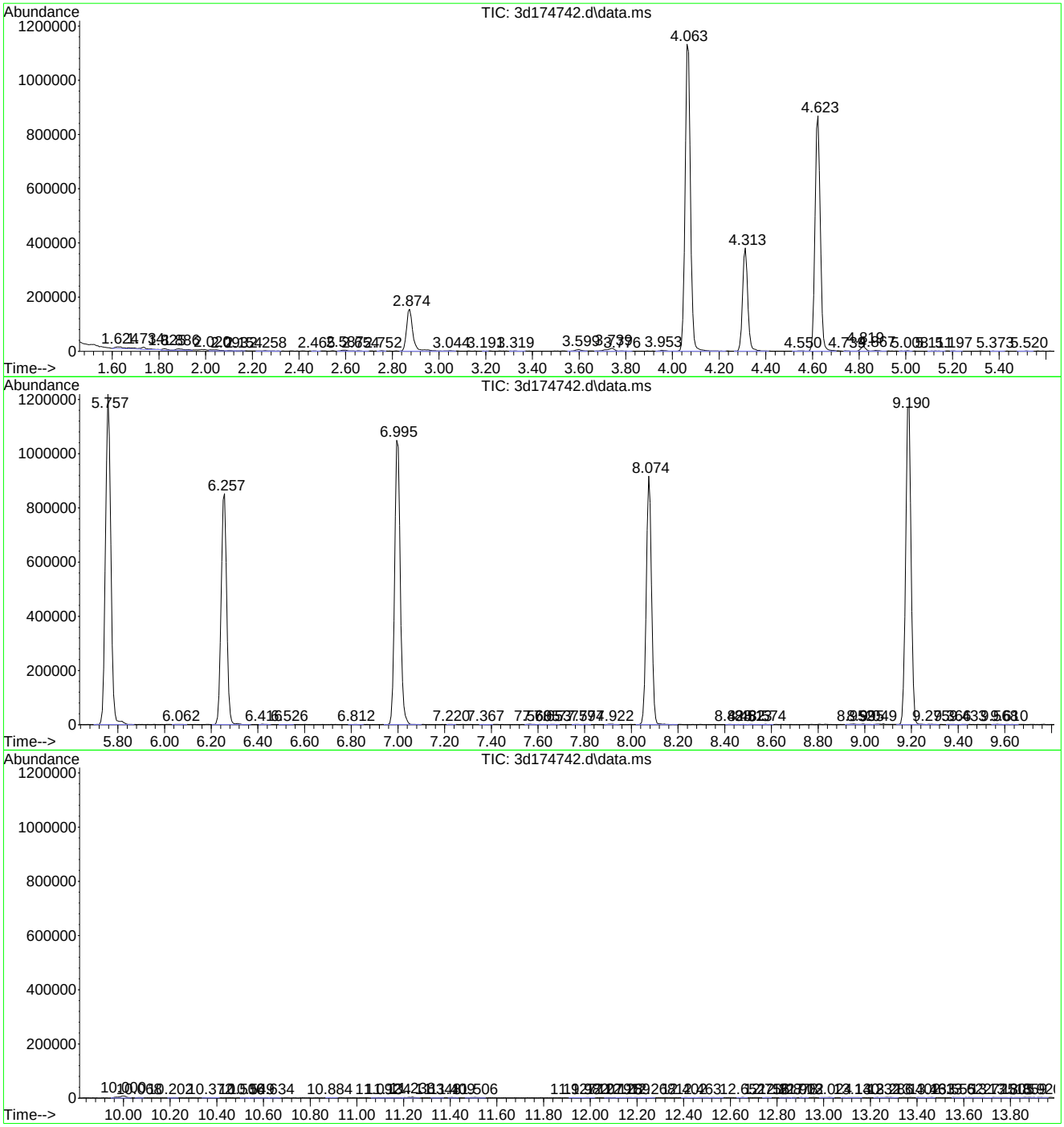
Sum of corrected areas: 12780666

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174742.d
Acq On : 18 Mar 2022 8:01 pm
Operator : nickw
Sample : jd41388-5
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:53:02 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

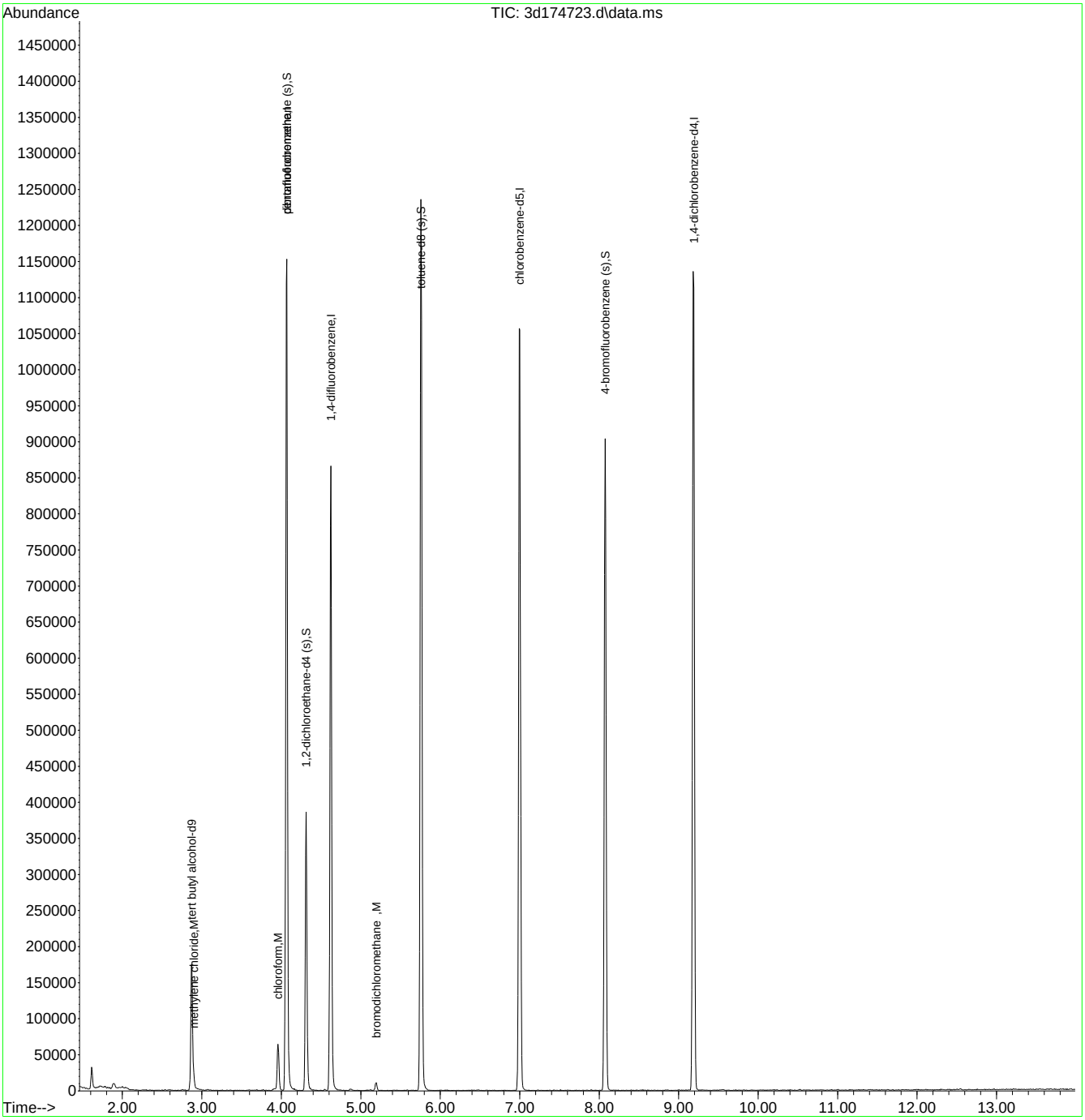
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	161816	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	417018	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	582588	50.00	ug/L	0.00
73) chlorobenzene-d5	7.001	117	563044	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	307509	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	196723	54.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.68%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	204607	53.14	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 106.28%			
74) toluene-d8 (s)	5.757	98	716237	50.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.24%			
98) 4-bromofluorobenzene (s)	8.074	95	281468	50.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.58%			
Target Compounds						Qvalue
22) methylene chloride	2.898	84	3890	1.04	ug/L	94
41) chloroform	3.959	85	25029	5.51	ug/L	97
68) bromodichloromethane	5.197	83	5889	1.14	ug/L	77

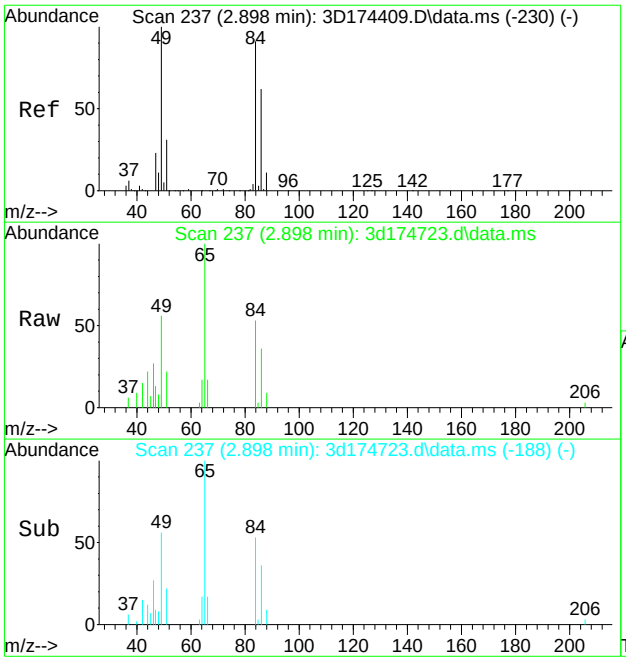
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:53:02 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

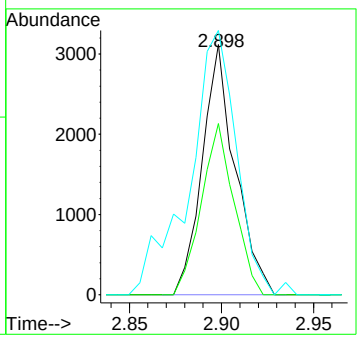


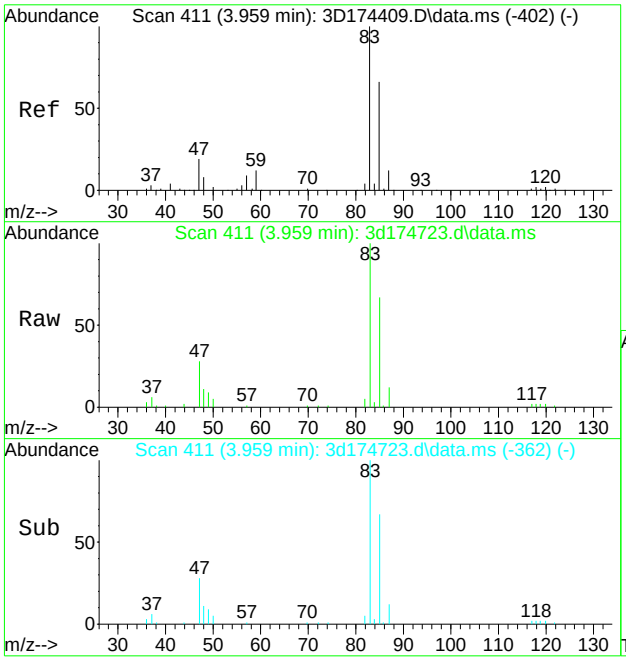


#22
methylene chloride
Concen: 1.04 ug/L
RT: 2.898 min Scan# 237
Delta R.T. 0.000 min
Lab File: 3d174723.d
Acq: 18 Mar 2022 12:32 pm

Tgt Ion: 84 Resp: 3890

Ion	Ratio	Lower	Upper
84	100		
86	68.4	37.5	97.5
49	100.6	79.4	139.4

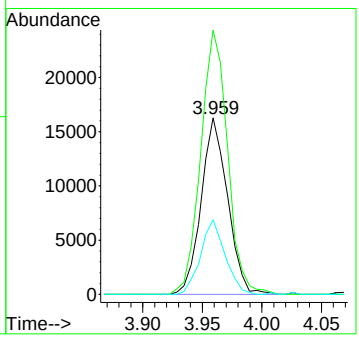


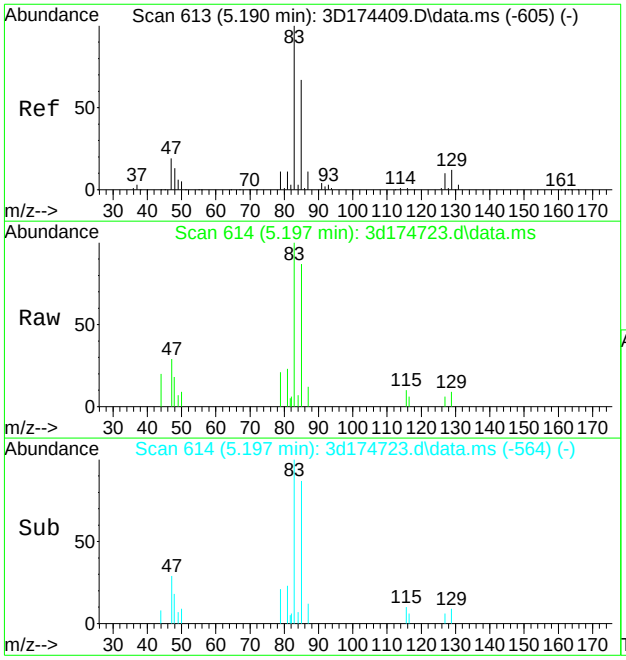


#41
chloroform
Concen: 5.51 ug/L
RT: 3.959 min Scan# 411
Delta R.T. 0.000 min
Lab File: 3d174723.d
Acq: 18 Mar 2022 12:32 pm

Tgt Ion: 85 Resp: 25029

Ion	Ratio	Lower	Upper
85	100		
83	149.6	120.6	180.6
47	42.2	5.6	65.6

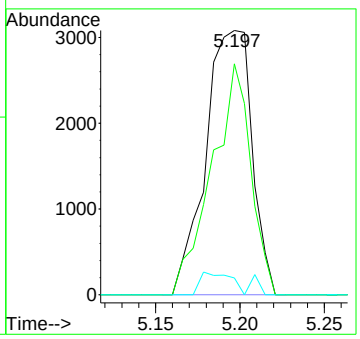




#68
bromodichloromethane
Concen: 1.14 ug/L
RT: 5.197 min Scan# 614
Delta R.T. 0.007 min
Lab File: 3d174723.d
Acq: 18 Mar 2022 12:32 pm

Tgt Ion: 83 Resp: 5889

Ion	Ratio	Lower	Upper
83	100		
85	87.3	37.0	97.0
127	6.4	0.0	39.8



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174723.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.612	20	26	36	rBV	30794	47971	2.50%	0.422%
2	1.716	39	43	52	rVV6	2473	7873	0.41%	0.069%
3	1.813	58	59	66	rVB4	2536	4344	0.23%	0.038%
4	1.886	66	71	80	rBV7	7418	19892	1.04%	0.175%
5	2.002	87	90	94	rVB3	2389	2889	0.15%	0.025%
6	2.173	116	118	125	rVB2	1182	1269	0.07%	0.011%
7	2.344	143	146	151	rVB	930	1512	0.08%	0.013%
8	2.502	168	172	175	rBV	950	1109	0.06%	0.010%
9	2.533	175	177	181	rVV	1472	1768	0.09%	0.016%
10	2.600	181	188	196	rVV3	1236	3423	0.18%	0.030%
11	2.758	211	214	218	rBV2	1484	2270	0.12%	0.020%
12	2.874	223	233	250	rBV	175642	315992	16.49%	2.777%
13	2.984	250	251	255	rVV2	1648	1956	0.10%	0.017%
14	3.075	263	266	269	rVV	1437	2039	0.11%	0.018%
15	3.362	309	313	318	rBV	869	1332	0.07%	0.012%
16	3.593	348	351	355	rVV3	1054	1645	0.09%	0.014%
17	3.630	355	357	361	rVV2	721	1097	0.06%	0.010%
18	3.691	365	367	370	rVV2	1260	1117	0.06%	0.010%
19	3.770	378	380	383	rVB	1354	1156	0.06%	0.010%
20	3.813	383	387	390	rBV2	831	1142	0.06%	0.010%
21	3.959	397	411	421	rBV	64407	108572	5.67%	0.954%
22	4.069	421	429	454	rVB	1153108	1829843	95.50%	16.080%
23	4.313	461	469	482	rBV	386414	585160	30.54%	5.142%
24	4.398	482	483	488	rVV	1548	1741	0.09%	0.015%
25	4.544	503	507	511	rVV	1961	2410	0.13%	0.021%
26	4.624	511	520	545	rVV	866454	1341346	70.00%	11.787%
27	4.874	556	561	571	rVV2	2154	5055	0.26%	0.044%
28	5.081	586	595	597	rBV	1079	1604	0.08%	0.014%
29	5.123	597	602	607	rVB	1347	2250	0.12%	0.020%
30	5.197	607	614	619	rBV4	11317	19636	1.02%	0.173%
31	5.264	619	625	628	rBV2	795	1126	0.06%	0.010%
32	5.422	645	651	654	rBV	948	1777	0.09%	0.016%
33	5.581	674	677	682	rBV2	970	1218	0.06%	0.011%
34	5.757	698	706	727	rVB	1235900	1916151	100.00%	16.838%
35	6.001	742	746	750	rBV	830	1197	0.06%	0.011%
36	6.398	806	811	813	rVV2	1041	1250	0.07%	0.011%
37	6.483	819	825	828	rVV3	1185	2223	0.12%	0.020%
38	6.587	836	842	846	rBV2	826	1689	0.09%	0.015%
39	6.684	851	858	861	rVB	687	1413	0.07%	0.012%
40	6.995	900	909	927	rVV	1057061	1737392	90.67%	15.268%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.227	943	947	951	rVB	824	1193	0.06%	0.010%
42	7.428	977	980	992	rVB	1122	2863	0.15%	0.025%
43	7.513	992	994	1000	rBV	1414	1541	0.08%	0.014%
44	7.800	1035	1041	1043	rBV	946	1519	0.08%	0.013%
45	7.952	1063	1066	1071	rVV	870	1143	0.06%	0.010%
46	8.074	1077	1086	1098	rBV	903959	1416941	73.95%	12.452%
47	8.403	1137	1140	1143	rVB	1159	1095	0.06%	0.010%
48	8.470	1147	1151	1155	rVB2	1229	1453	0.08%	0.013%
49	8.531	1155	1161	1162	rBV2	1064	1527	0.08%	0.013%
50	8.550	1162	1164	1172	rBV	1165	1233	0.06%	0.011%
51	8.611	1172	1174	1179	rVB	1085	1265	0.07%	0.011%
52	8.690	1184	1187	1193	rBV	667	1138	0.06%	0.010%
53	8.836	1207	1211	1214	rBV	1014	1383	0.07%	0.012%
54	8.861	1214	1215	1224	rVB	1061	1694	0.09%	0.015%
55	8.928	1224	1226	1234	rBV2	515	1443	0.08%	0.013%
56	9.001	1234	1238	1242	rBV	1305	1521	0.08%	0.013%
57	9.037	1242	1244	1251	rBV	823	1181	0.06%	0.010%
58	9.184	1260	1268	1280	rVB	1135700	1873260	97.76%	16.462%
59	9.446	1306	1311	1316	rBV2	696	1858	0.10%	0.016%
60	9.568	1324	1331	1336	rVB3	1064	2677	0.14%	0.024%
61	9.824	1368	1373	1376	rVV2	798	1340	0.07%	0.012%
62	9.921	1387	1389	1398	rVB	904	1233	0.06%	0.011%
63	10.311	1450	1453	1460	rBV	822	1697	0.09%	0.015%
64	10.403	1465	1468	1475	rBV	1185	1416	0.07%	0.012%
65	10.525	1482	1488	1494	rBV	1698	2311	0.12%	0.020%
66	10.775	1528	1529	1541	rVB	786	2332	0.12%	0.020%
67	10.872	1541	1545	1548	rBV	791	1108	0.06%	0.010%
68	11.006	1562	1567	1571	rVB	1326	1916	0.10%	0.017%
69	11.269	1603	1610	1612	rVB	1330	1592	0.08%	0.014%
70	11.323	1616	1619	1627	rVV	1108	1514	0.08%	0.013%
71	11.415	1627	1634	1637	rVV2	1119	2543	0.13%	0.022%
72	11.488	1640	1646	1650	rBV2	905	1814	0.09%	0.016%
73	11.549	1654	1656	1660	rBV	960	1196	0.06%	0.011%
74	11.628	1665	1669	1676	rBV2	1217	2345	0.12%	0.021%
75	11.811	1696	1699	1705	rBV2	981	1472	0.08%	0.013%
76	11.970	1720	1725	1726	rBV	1035	1141	0.06%	0.010%
77	12.012	1726	1732	1738	rVB2	1171	2191	0.11%	0.019%
78	12.250	1765	1771	1775	rBV2	854	2092	0.11%	0.018%
79	12.384	1790	1793	1803	rVB2	1361	3018	0.16%	0.027%
80	12.464	1803	1806	1808	rBV	1441	1164	0.06%	0.010%
81	12.506	1808	1813	1815	rBV2	1459	2246	0.12%	0.020%
82	12.549	1815	1820	1825	rVB3	2164	3097	0.16%	0.027%
83	12.652	1833	1837	1847	rBV2	1047	2273	0.12%	0.020%
84	12.756	1853	1854	1865	rBV3	1365	2641	0.14%	0.023%
85	12.872	1871	1873	1876	rBV3	919	1196	0.06%	0.011%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.909	1876	1879	1882	rVV2	1002	1352	0.07%	0.012%
87	12.970	1883	1889	1893	rVV3	1690	2416	0.13%	0.021%
88	13.067	1898	1905	1912	rBV3	1015	3302	0.17%	0.029%
89	13.122	1912	1914	1921	rVV3	1263	2054	0.11%	0.018%
90	13.183	1921	1924	1927	rVV	1194	1142	0.06%	0.010%
91	13.213	1927	1929	1939	rVB3	1371	3183	0.17%	0.028%
92	13.299	1942	1943	1949	rBV2	1106	1667	0.09%	0.015%
93	13.402	1954	1960	1962	rBV2	745	1223	0.06%	0.011%
94	13.500	1973	1976	1980	rBV2	1054	1367	0.07%	0.012%
95	13.549	1980	1984	1993	rVB3	1465	3019	0.16%	0.027%
96	13.640	1993	1999	2002	rBV4	1095	2143	0.11%	0.019%
97	13.811	2024	2027	2029	rVV2	1150	1565	0.08%	0.014%
98	13.841	2029	2032	2034	rVV2	1652	1832	0.10%	0.016%
99	13.890	2038	2040	2043	rBV	1449	1145	0.06%	0.010%
100	13.939	2043	2048	2051	rVB2	1594	2553	0.13%	0.022%

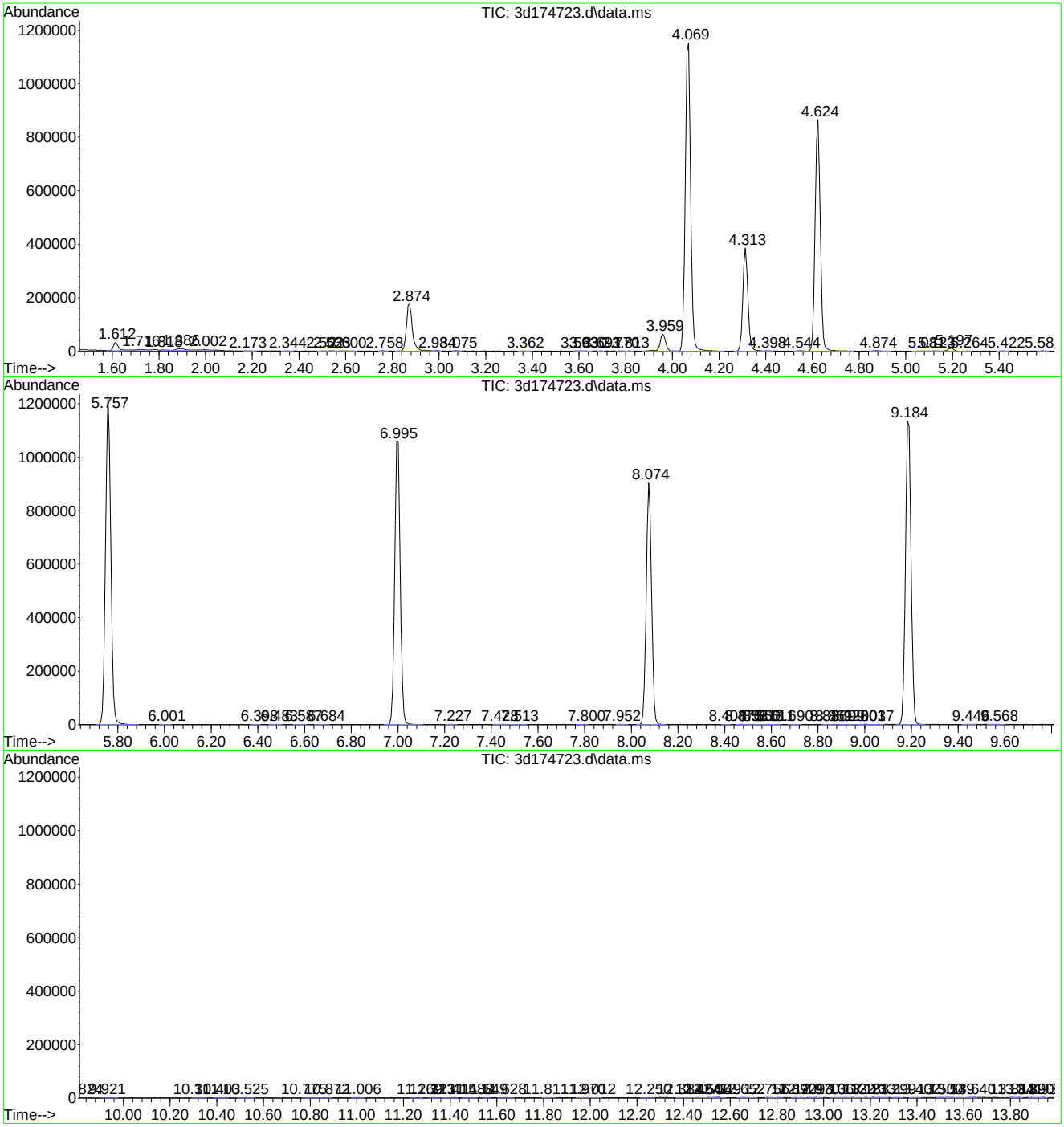
Sum of corrected areas: 11379628

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174723.d
Acq On : 18 Mar 2022 12:32 pm
Operator : nickw
Sample : jd41388-6
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:54:46 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

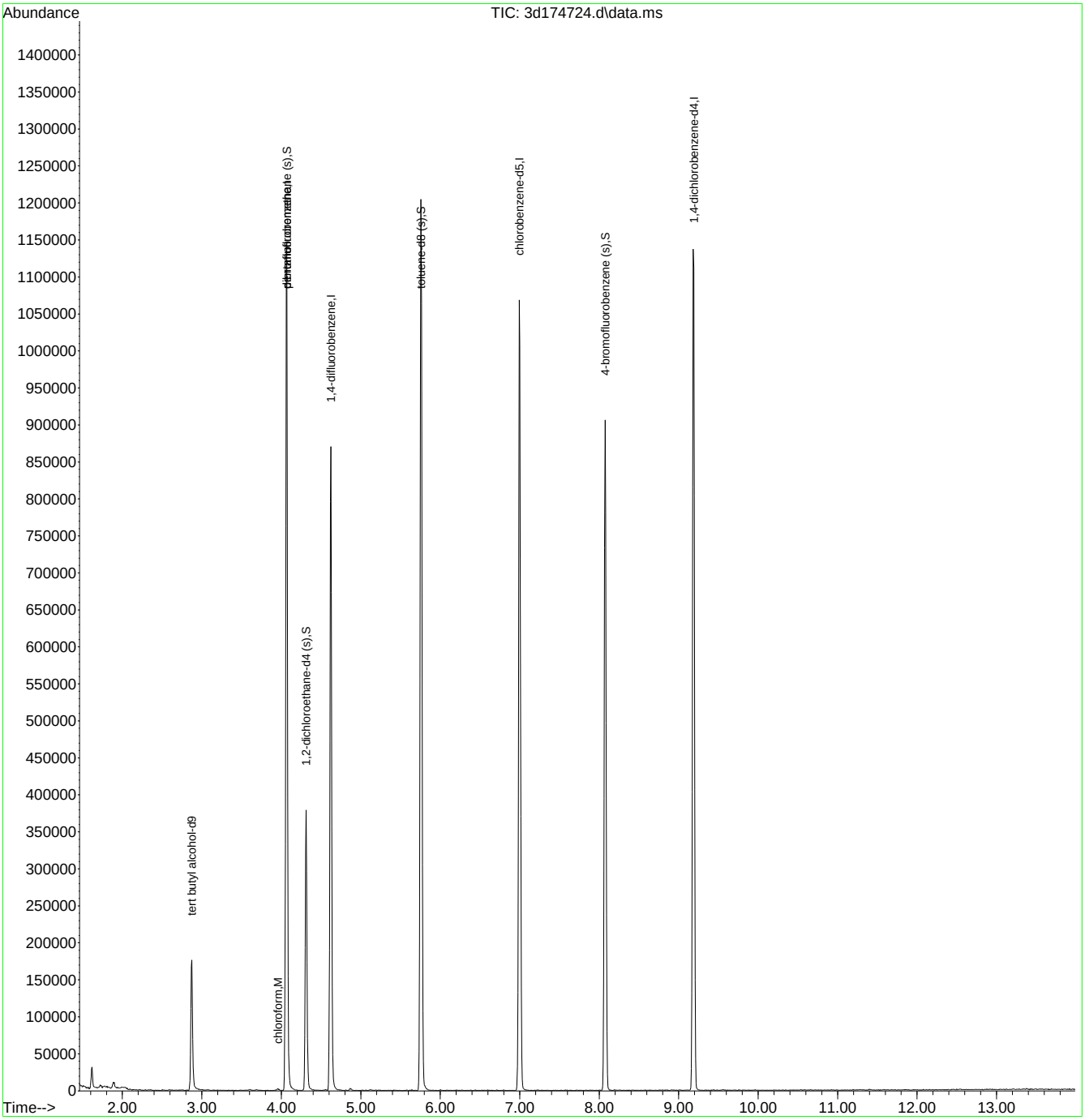
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	157495	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	415192	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	583117	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	563164	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	300794	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	192257	53.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.68%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	208721	54.16	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 108.32%			
74) toluene-d8 (s)	5.757	98	716867	50.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.32%			
98) 4-bromofluorobenzene (s)	8.074	95	280702	51.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.54%			
Target Compounds						Qvalue
41) chloroform	3.959	85	1303	0.29	ug/L	# 64

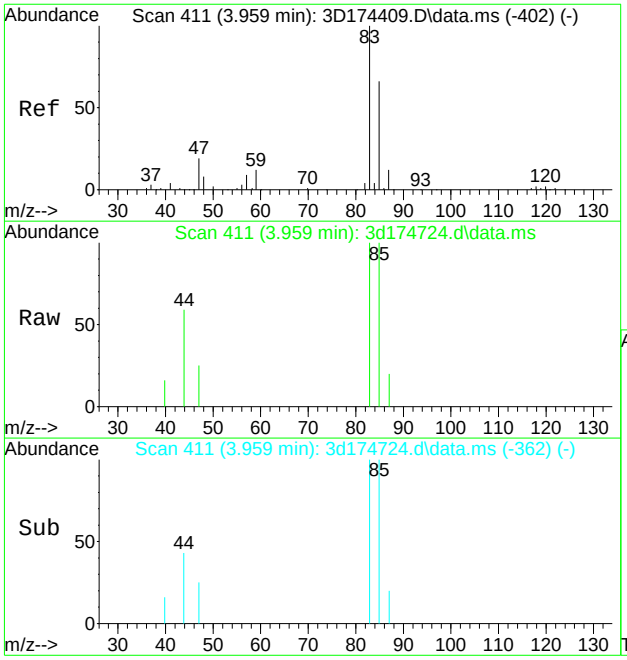
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:54:46 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

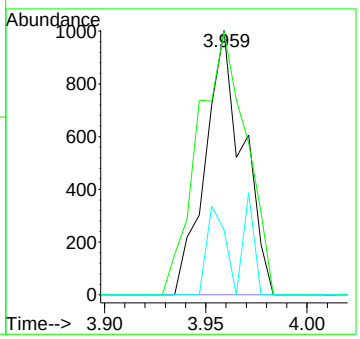




#41
chloroform
Concen: 0.29 ug/L
RT: 3.959 min Scan# 411
Delta R.T. -0.000 min
Lab File: 3d174724.d
Acq: 18 Mar 2022 12:56 pm

Tgt Ion: 85 Resp: 1303

Ion	Ratio	Lower	Upper
85	100		
83	99.6	120.6	180.6#
47	24.6	5.6	65.6



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174724.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.618	21	27	39	rBV	29647	48308	2.52%	0.431%
2	1.722	39	44	48	rVB3	4219	7242	0.38%	0.065%
3	1.886	66	71	86	rBV9	8657	21484	1.12%	0.192%
4	1.990	86	88	102	rVB6	3988	15955	0.83%	0.142%
5	2.094	102	105	109	rVB2	1678	2381	0.12%	0.021%
6	2.222	122	126	133	rVB2	1453	2389	0.12%	0.021%
7	2.282	133	136	140	rBV	874	1073	0.06%	0.010%
8	2.356	147	148	156	rVB2	1117	1272	0.07%	0.011%
9	2.587	182	186	191	rBV3	970	1559	0.08%	0.014%
10	2.764	210	215	217	rVB2	1050	1706	0.09%	0.015%
11	2.874	226	233	251	rBV	176655	295870	15.46%	2.640%
12	3.002	251	254	258	rVB	1495	2118	0.11%	0.019%
13	3.075	262	266	273	rVB2	1262	2322	0.12%	0.021%
14	3.270	297	298	307	rVB	713	1855	0.10%	0.017%
15	3.331	307	308	312	rBV	878	1001	0.05%	0.009%
16	3.605	348	353	361	rVB3	1463	3001	0.16%	0.027%
17	3.685	361	366	372	rBV2	1127	2214	0.12%	0.020%
18	3.959	399	411	418	rVV3	2842	6042	0.32%	0.054%
19	4.069	418	429	454	rVV	1145880	1828850	95.58%	16.321%
20	4.313	459	469	487	rBV	378928	584119	30.53%	5.213%
21	4.556	507	509	513	rVB3	1479	1434	0.07%	0.013%
22	4.623	513	520	534	rBV	870391	1339781	70.02%	11.957%
23	4.867	555	560	570	rVB2	3223	5105	0.27%	0.046%
24	5.026	583	586	590	rVB	795	1044	0.05%	0.009%
25	5.069	590	593	596	rVB	1004	1202	0.06%	0.011%
26	5.123	596	602	609	rBV2	1512	3596	0.19%	0.032%
27	5.197	609	614	616	rBV	738	1166	0.06%	0.010%
28	5.306	629	632	636	rBV	720	1044	0.05%	0.009%
29	5.465	652	658	659	rVV	658	1056	0.06%	0.009%
30	5.642	685	687	693	rVV	1345	1208	0.06%	0.011%
31	5.757	698	706	728	rBV	1204797	1913351	100.00%	17.075%
32	6.001	740	746	753	rVB2	1446	2407	0.13%	0.021%
33	6.081	753	759	764	rBV	845	1888	0.10%	0.017%
34	6.117	764	765	771	rBV2	604	1082	0.06%	0.010%
35	6.276	786	791	796	rBV2	865	1725	0.09%	0.015%
36	6.385	803	809	813	rVB2	942	1530	0.08%	0.014%
37	6.446	813	819	821	rBV	1041	1494	0.08%	0.013%
38	6.599	840	844	846	rBV	1068	1128	0.06%	0.010%
39	6.715	860	863	870	rVB	1011	1641	0.09%	0.015%
40	6.794	874	876	881	rBV2	1031	1238	0.06%	0.011%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	6.995	899	909	930	rVB	1068279	1735011	90.68%	15.484%
42	7.227	943	947	952	rBV	975	1644	0.09%	0.015%
43	7.525	993	996	1000	rBV	940	1154	0.06%	0.010%
44	7.574	1000	1004	1006	rVV	1159	1036	0.05%	0.009%
45	7.714	1023	1027	1032	rVB	767	1386	0.07%	0.012%
46	7.842	1043	1048	1052	rBV	638	1005	0.05%	0.009%
47	8.013	1070	1076	1077	rVB	824	1129	0.06%	0.010%
48	8.074	1077	1086	1096	rBV	906139	1411581	73.78%	12.597%
49	8.190	1103	1105	1112	rBV2	1046	1420	0.07%	0.013%
50	8.275	1112	1119	1122	rVV	687	1135	0.06%	0.010%
51	8.385	1134	1137	1139	rBV	922	1005	0.05%	0.009%
52	8.915	1220	1224	1227	rBV	825	1234	0.06%	0.011%
53	9.007	1236	1239	1243	rBV	833	1045	0.05%	0.009%
54	9.092	1251	1253	1260	rVB2	547	1081	0.06%	0.010%
55	9.184	1260	1268	1285	rBV	1136999	1849167	96.65%	16.502%
56	9.482	1313	1317	1321	rVB2	802	1186	0.06%	0.011%
57	9.562	1326	1330	1338	rVB3	1157	2371	0.12%	0.021%
58	9.757	1359	1362	1368	rVB	1262	1830	0.10%	0.016%
59	9.805	1368	1370	1372	rBV	1014	996	0.05%	0.009%
60	10.196	1431	1434	1438	rBV	616	1081	0.06%	0.010%
61	10.305	1449	1452	1456	rVB	913	997	0.05%	0.009%
62	10.537	1487	1490	1494	rVB	1063	1466	0.08%	0.013%
63	10.586	1494	1498	1503	rBV	1038	1988	0.10%	0.018%
64	10.659	1507	1510	1515	rVB	987	1370	0.07%	0.012%
65	10.714	1517	1519	1525	rVB	745	1065	0.06%	0.010%
66	10.836	1535	1539	1542	rVB2	720	1011	0.05%	0.009%
67	10.878	1542	1546	1550	rBV	731	1186	0.06%	0.011%
68	10.921	1550	1553	1561	rVB	1150	2219	0.12%	0.020%
69	10.982	1561	1563	1572	rBV	876	1875	0.10%	0.017%
70	11.195	1596	1598	1603	rBV	1040	1480	0.08%	0.013%
71	11.281	1608	1612	1617	rVV	871	1822	0.10%	0.016%
72	11.317	1617	1618	1625	rVB	925	1572	0.08%	0.014%
73	11.397	1628	1631	1644	rVB4	1302	2976	0.16%	0.027%
74	11.518	1644	1651	1652	rVB	1252	1870	0.10%	0.017%
75	11.586	1656	1662	1668	rBV	896	1819	0.10%	0.016%
76	11.726	1679	1685	1688	rVB2	828	1722	0.09%	0.015%
77	11.762	1688	1691	1697	rBV	1039	1625	0.08%	0.015%
78	12.006	1726	1731	1734	rVB	898	1675	0.09%	0.015%
79	12.079	1738	1743	1746	rBV2	1536	1928	0.10%	0.017%
80	12.195	1759	1762	1765	rVB2	1065	1248	0.07%	0.011%
81	12.250	1765	1771	1774	rBV	937	1818	0.10%	0.016%
82	12.390	1790	1794	1800	rVV3	1008	1802	0.09%	0.016%
83	12.457	1803	1805	1810	rVB2	1073	1428	0.07%	0.013%
84	12.530	1814	1817	1823	rVV3	1146	2371	0.12%	0.021%
85	12.634	1829	1834	1843	rBV2	785	2378	0.12%	0.021%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.823	1847	1865	1867	rBV2	979	3527	0.18%	0.031%
87	12.878	1867	1874	1876	rBV	1235	1596	0.08%	0.014%
88	12.951	1884	1886	1892	rBV2	1244	1041	0.05%	0.009%
89	13.036	1897	1900	1907	rVV3	737	1361	0.07%	0.012%
90	13.122	1912	1914	1917	rVB2	1138	1341	0.07%	0.012%
91	13.213	1924	1929	1934	rBV2	1160	2142	0.11%	0.019%
92	13.286	1934	1941	1949	rVV3	887	2076	0.11%	0.019%
93	13.378	1953	1956	1963	rVB4	1979	2746	0.14%	0.025%
94	13.445	1963	1967	1970	rBV2	1369	1784	0.09%	0.016%
95	13.494	1972	1975	1979	rVB3	1302	1604	0.08%	0.014%
96	13.542	1980	1983	1992	rVB2	1224	3408	0.18%	0.030%
97	13.634	1992	1998	2001	rVB3	1120	2774	0.14%	0.025%
98	13.689	2004	2007	2018	rVB4	1098	1878	0.10%	0.017%
99	13.762	2018	2019	2026	rBV2	646	983	0.05%	0.009%
100	13.860	2032	2035	2044	rVB3	987	2074	0.11%	0.019%

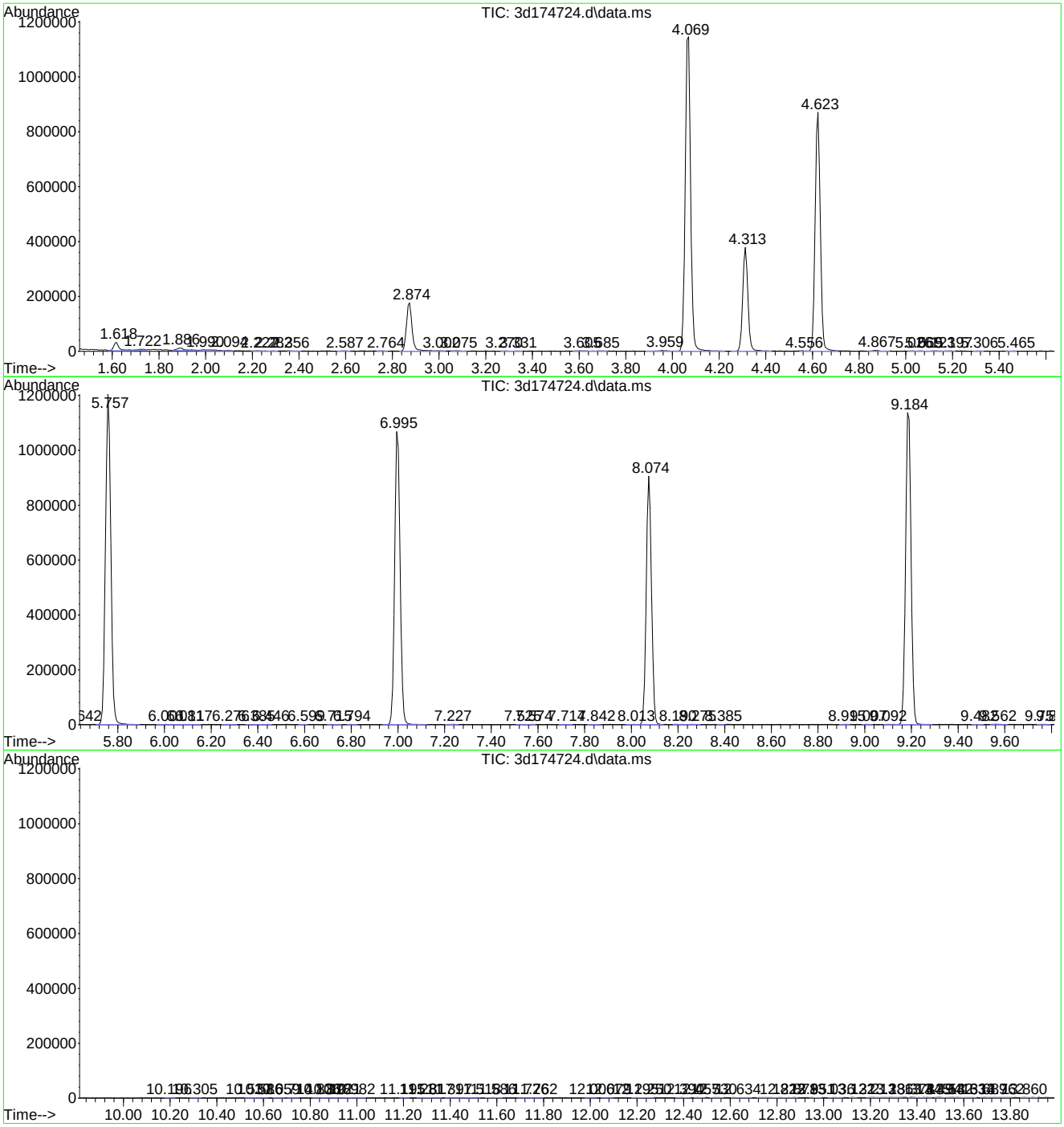
Sum of corrected areas: 11205424

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174724.d
Acq On : 18 Mar 2022 12:56 pm
Operator : nickw
Sample : jd41388-7
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:43:58 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

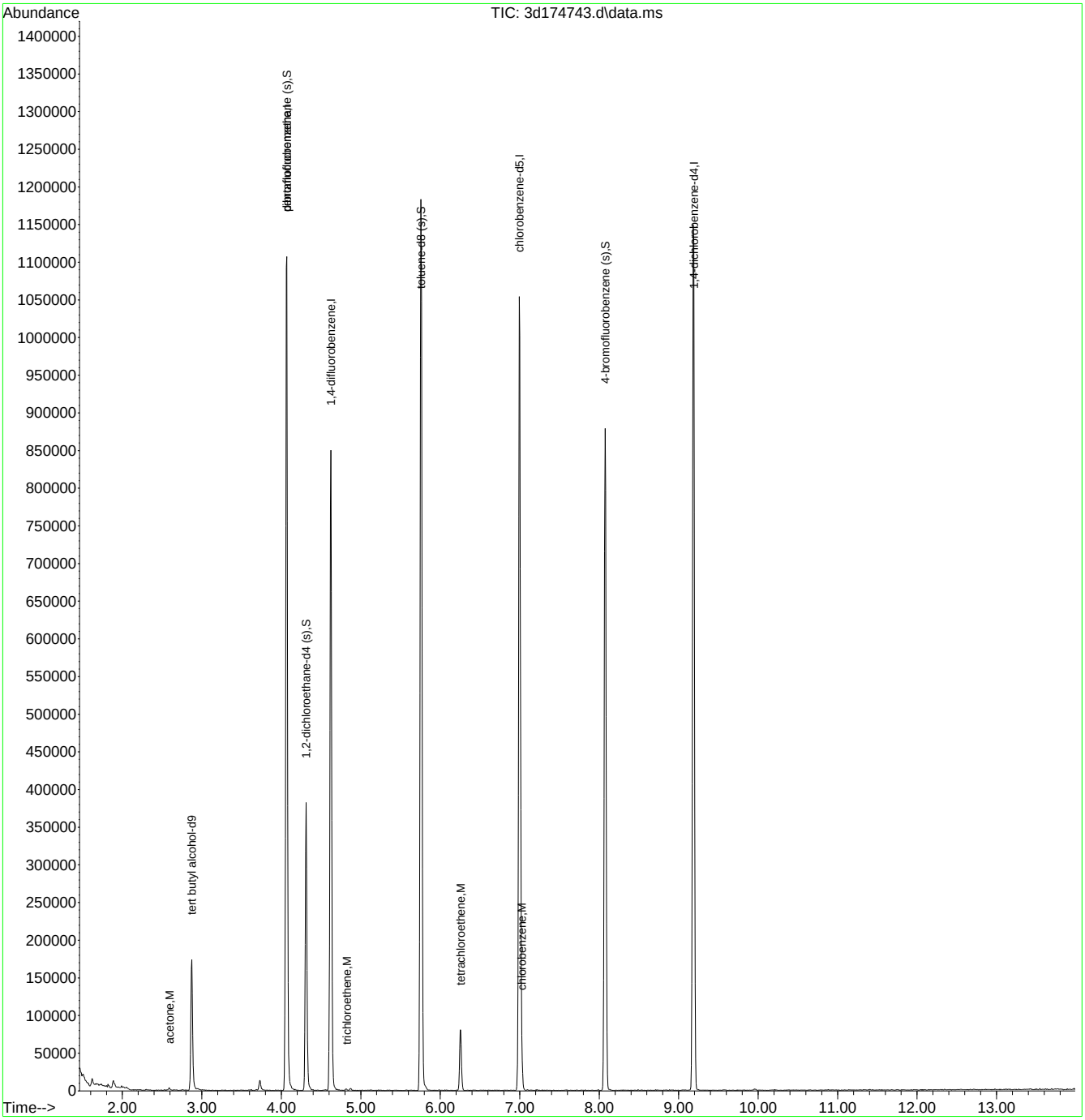
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	155046	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	402452	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	581701	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	548166	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	301635	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	180654	51.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.40%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	200786	52.23	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 104.46%			
74) toluene-d8 (s)	5.757	98	698972	50.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.48%			
98) 4-bromofluorobenzene (s)	8.074	95	277048	50.47	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.94%			
Target Compounds						Qvalue
18) acetone	2.593	58	924	4.17	ug/L #	27
60) trichloroethene	4.825	130	623	0.16	ug/L #	85
79) tetrachloroethene	6.257	164	18019	5.14	ug/L	93
86) chlorobenzene	7.025	112	16112	1.50	ug/L	87

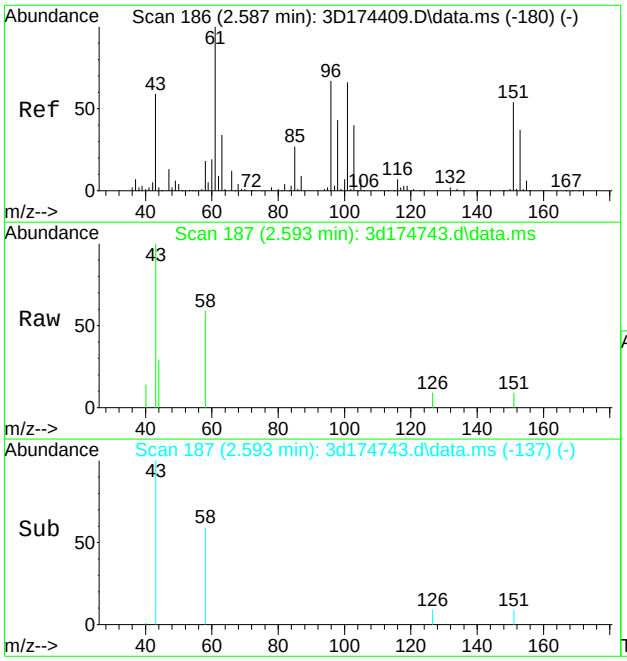
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8 Inst : MS3D
Misc : MS57470,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:43:58 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

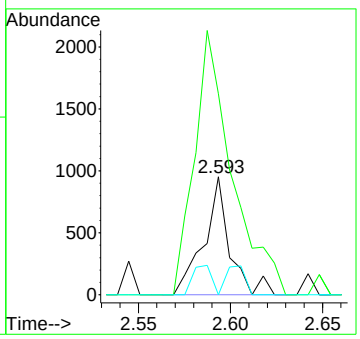


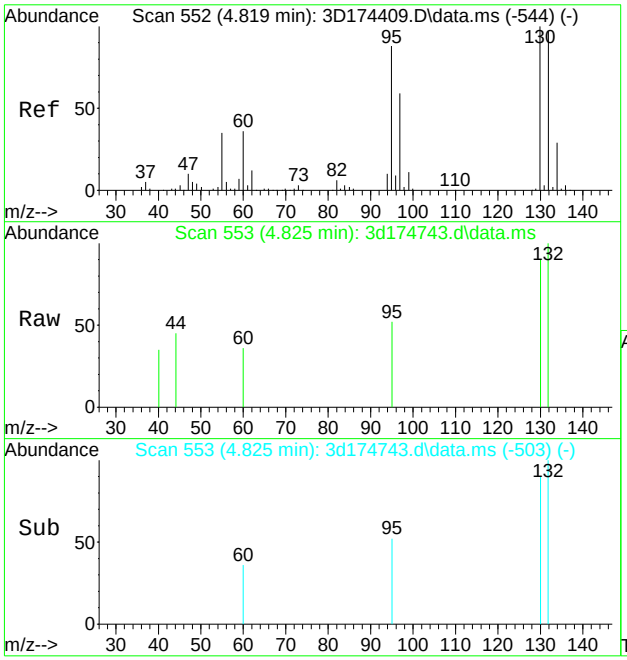


#18
acetone
Concen: 4.17 ug/L
RT: 2.593 min Scan# 187
Delta R.T. 0.006 min
Lab File: 3d174743.d
Acq: 18 Mar 2022 8:24 pm

Tgt Ion: 58 Resp: 924

Ion	Ratio	Lower	Upper
58	100		
43	170.2	294.2	354.2#
42	0.0	0.0	59.2

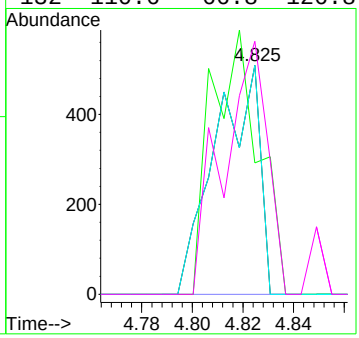


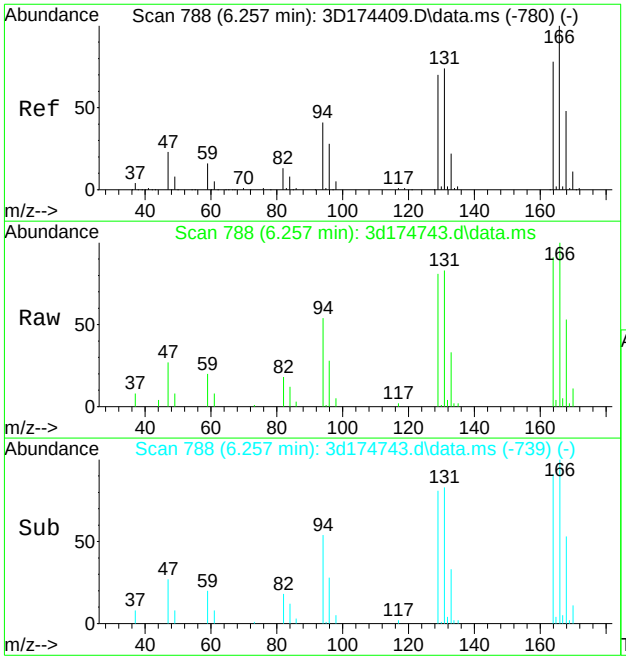


#60
trichloroethene
Concen: 0.16 ug/L
RT: 4.825 min Scan# 553
Delta R.T. 0.006 min
Lab File: 3d174743.d
Acq: 18 Mar 2022 8:24 pm

Tgt Ion:130 Resp: 623

Ion	Ratio	Lower	Upper
130	100		
95	57.4	57.7	117.7#
130	100.0	70.0	130.0
132	110.6	66.8	126.8

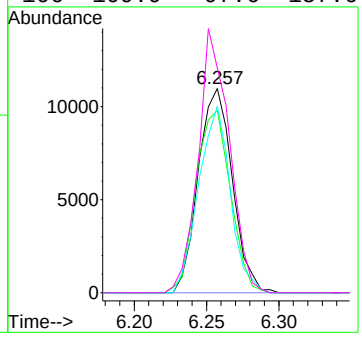


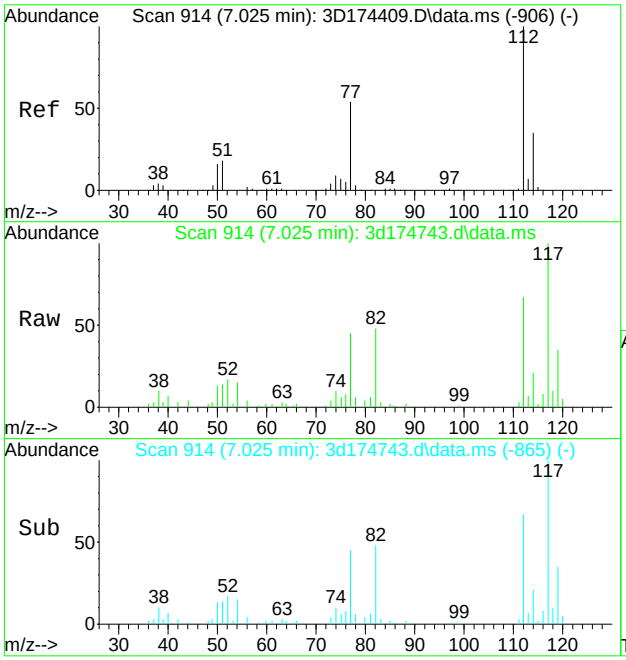


#79
tetrachloroethene
Concen: 5.14 ug/L
RT: 6.257 min Scan# 788
Delta R.T. 0.000 min
Lab File: 3d174743.d
Acq: 18 Mar 2022 8:24 pm

Tgt Ion:164 Resp: 18019

Ion	Ratio	Lower	Upper
164	100		
129	89.4	59.4	119.4
131	91.4	64.6	124.6
166	109.9	97.6	157.6

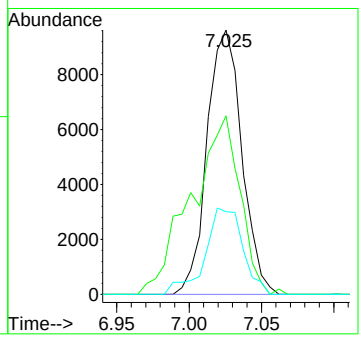




#86
chlorobenzene
Concen: 1.50 ug/L
RT: 7.025 min Scan# 914
Delta R.T. 0.000 min
Lab File: 3d174743.d
Acq: 18 Mar 2022 8:24 pm

Tgt Ion:112 Resp: 16112

Ion	Ratio	Lower	Upper
112	100		
77	67.5	24.4	84.4
114	31.3	4.7	64.7



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174743.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.618	23	27	59	rVV2	11308	52271	2.79%	0.465%
2	1.819	59	60	67	rVV2	5611	7207	0.38%	0.064%
3	1.886	67	71	85	rVV7	11271	28432	1.52%	0.253%
4	1.990	85	88	96	rVV5	5034	11382	0.61%	0.101%
5	2.051	96	98	109	rVB4	4004	7762	0.41%	0.069%
6	2.191	119	121	135	rBV2	951	2309	0.12%	0.021%
7	2.295	135	138	145	rVV2	1285	2099	0.11%	0.019%
8	2.587	180	186	194	rBV3	3946	6447	0.34%	0.057%
9	2.648	194	196	206	rVB2	1328	2944	0.16%	0.026%
10	2.752	206	213	218	rBV2	1380	2759	0.15%	0.025%
11	2.801	218	221	226	rVV	815	1229	0.07%	0.011%
12	2.874	226	233	252	rVV	173867	292055	15.60%	2.601%
13	3.008	252	255	261	rVB2	1427	2721	0.15%	0.024%
14	3.246	292	294	301	rBV2	764	1296	0.07%	0.012%
15	3.398	317	319	324	rVB2	1138	1816	0.10%	0.016%
16	3.453	324	328	331	rBV2	1162	1794	0.10%	0.016%
17	3.526	331	340	342	rVB2	800	1902	0.10%	0.017%
18	3.691	362	367	368	rBV2	1674	1768	0.09%	0.016%
19	3.727	368	373	386	rVB2	13440	21961	1.17%	0.196%
20	4.069	421	429	445	rBV	1107116	1757186	93.83%	15.648%
21	4.172	445	446	450	rVB2	2021	1757	0.09%	0.016%
22	4.313	461	469	486	rBV	382451	578675	30.90%	5.153%
23	4.453	490	492	499	rBV	739	1346	0.07%	0.012%
24	4.624	511	520	540	rVV	849731	1324669	70.73%	11.796%
25	4.819	547	552	556	rVV3	1929	2819	0.15%	0.025%
26	4.867	556	560	566	rVB3	2908	4883	0.26%	0.043%
27	5.020	582	585	588	rBV	853	1064	0.06%	0.009%
28	5.123	600	602	607	rVB	870	1159	0.06%	0.010%
29	5.367	639	642	645	rVV	778	1062	0.06%	0.009%
30	5.447	649	655	657	rVB	593	1086	0.06%	0.010%
31	5.575	671	676	679	rVB	817	1385	0.07%	0.012%
32	5.757	696	706	726	rVB	1183266	1872730	100.00%	16.677%
33	6.081	757	759	765	rBV	750	1241	0.07%	0.011%
34	6.257	780	788	796	rVB	80821	134259	7.17%	1.196%
35	6.343	796	802	805	rVB	965	1662	0.09%	0.015%
36	6.416	811	814	824	rVB2	973	2230	0.12%	0.020%
37	6.513	824	830	832	rBV2	787	1242	0.07%	0.011%
38	6.605	841	845	848	rBV	886	1362	0.07%	0.012%
39	6.812	877	879	889	rVB	738	1509	0.08%	0.013%
40	6.995	900	909	922	rVV	1054104	1746631	93.27%	15.554%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.099	922	926	930	rVV	1225	1844	0.10%	0.016%
42	7.135	930	932	938	rVB2	912	1667	0.09%	0.015%
43	7.214	944	945	949	rVV	1133	1175	0.06%	0.010%
44	7.343	959	966	970	rBV	801	1768	0.09%	0.016%
45	7.592	1001	1007	1011	rVB	847	1637	0.09%	0.015%
46	7.714	1022	1027	1033	rBV2	758	1742	0.09%	0.016%
47	7.916	1054	1060	1064	rBV	582	1034	0.06%	0.009%
48	8.074	1078	1086	1105	rVB	879260	1393669	74.42%	12.411%
49	8.220	1105	1110	1112	rBV	586	1095	0.06%	0.010%
50	8.318	1125	1126	1137	rVB2	990	2626	0.14%	0.023%
51	8.415	1137	1142	1145	rBV	772	1398	0.07%	0.012%
52	8.489	1151	1154	1158	rBV	1196	1238	0.07%	0.011%
53	8.611	1172	1174	1178	rVB	937	1099	0.06%	0.010%
54	8.732	1193	1194	1204	rVV2	761	1287	0.07%	0.011%
55	8.842	1209	1212	1217	rVV2	961	1252	0.07%	0.011%
56	8.934	1221	1227	1230	rBV	962	1806	0.10%	0.016%
57	9.049	1241	1246	1250	rBV	972	1438	0.08%	0.013%
58	9.080	1250	1251	1258	rVV2	741	1166	0.06%	0.010%
59	9.184	1258	1268	1285	rVV	1149433	1842497	98.39%	16.407%
60	9.336	1292	1293	1300	rVB	905	1700	0.09%	0.015%
61	9.440	1303	1310	1318	rBV2	718	2513	0.13%	0.022%
62	9.580	1326	1333	1340	rVV2	965	2750	0.15%	0.024%
63	9.677	1347	1349	1355	rVB	703	1136	0.06%	0.010%
64	9.824	1367	1373	1377	rVB	820	1582	0.08%	0.014%
65	9.921	1387	1389	1392	rVV	780	1056	0.06%	0.009%
66	9.952	1392	1394	1400	rVV3	1932	3460	0.18%	0.031%
67	10.031	1400	1407	1410	rVV	759	1346	0.07%	0.012%
68	10.055	1410	1411	1420	rVB	862	1562	0.08%	0.014%
69	10.190	1423	1433	1435	rBV	978	2391	0.13%	0.021%
70	10.208	1435	1436	1445	rVV2	1305	1660	0.09%	0.015%
71	10.281	1445	1448	1454	rVB	686	1230	0.07%	0.011%
72	10.385	1463	1465	1472	rVV	900	1537	0.08%	0.014%
73	10.549	1487	1492	1504	rBV	658	2304	0.12%	0.021%
74	10.653	1507	1509	1513	rVB	842	1131	0.06%	0.010%
75	10.714	1517	1519	1525	rVB	765	1371	0.07%	0.012%
76	10.781	1525	1530	1537	rBV	1017	2412	0.13%	0.021%
77	10.885	1544	1547	1550	rVB	1239	1232	0.07%	0.011%
78	11.086	1578	1580	1586	rVB	714	1061	0.06%	0.009%
79	11.141	1586	1589	1594	rBV	931	1393	0.07%	0.012%
80	11.336	1616	1621	1629	rBV2	925	2143	0.11%	0.019%
81	11.403	1629	1632	1637	rVB2	1310	1700	0.09%	0.015%
82	11.683	1674	1678	1684	rVB	910	1713	0.09%	0.015%
83	11.750	1684	1689	1695	rBV2	1051	2129	0.11%	0.019%
84	11.823	1700	1701	1709	rVB2	854	1749	0.09%	0.016%
85	11.964	1720	1724	1734	rVB2	1023	3177	0.17%	0.028%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.098	1743	1746	1751	rBV2	906	1132	0.06%	0.010%
87	12.244	1762	1770	1776	rBV2	632	1766	0.09%	0.016%
88	12.348	1784	1787	1794	rBV2	983	1330	0.07%	0.012%
89	12.543	1817	1819	1838	rVV3	995	4376	0.23%	0.039%
90	12.671	1838	1840	1844	rVV2	948	1073	0.06%	0.010%
91	12.707	1844	1846	1857	rVB3	1167	3247	0.17%	0.029%
92	12.976	1887	1890	1901	rVB3	1389	3191	0.17%	0.028%
93	13.122	1911	1914	1916	rBV	1256	1227	0.07%	0.011%
94	13.171	1916	1922	1927	rVB3	1100	2019	0.11%	0.018%
95	13.354	1945	1952	1962	rVV2	737	2644	0.14%	0.024%
96	13.421	1962	1963	1972	rVB2	1466	2649	0.14%	0.024%
97	13.506	1972	1977	1980	rBV2	1419	2056	0.11%	0.018%
98	13.543	1980	1983	1987	rBV2	1758	1540	0.08%	0.014%
99	13.640	1997	1999	2002	rVB	1233	1295	0.07%	0.012%
100	13.738	2011	2015	2017	rBV2	935	1168	0.06%	0.010%

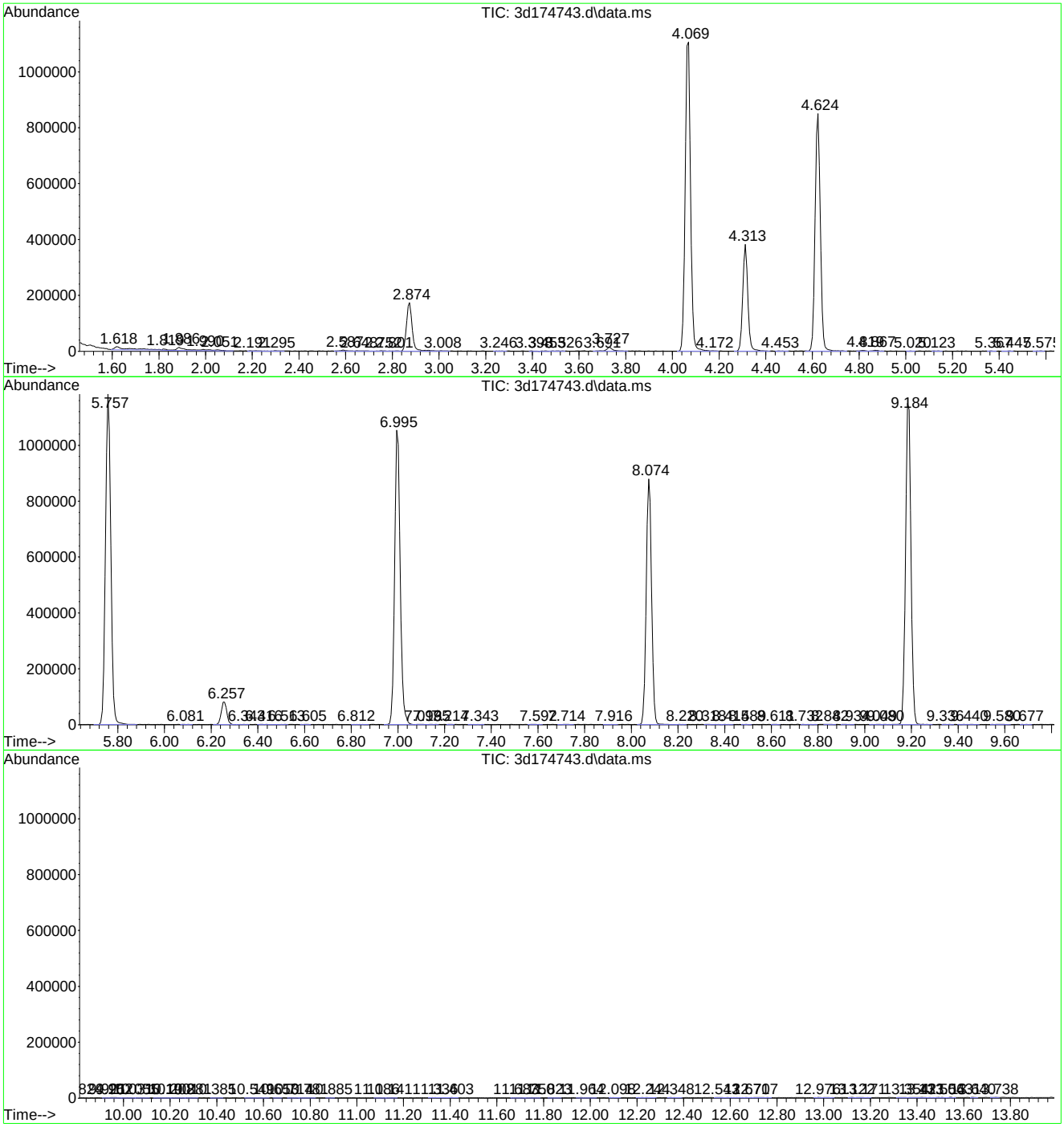
Sum of corrected areas: 11229700

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174743.d
Acq On : 18 Mar 2022 8:24 pm
Operator : nickw
Sample : jd41388-8
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb Inst : MS3D
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:48:46 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

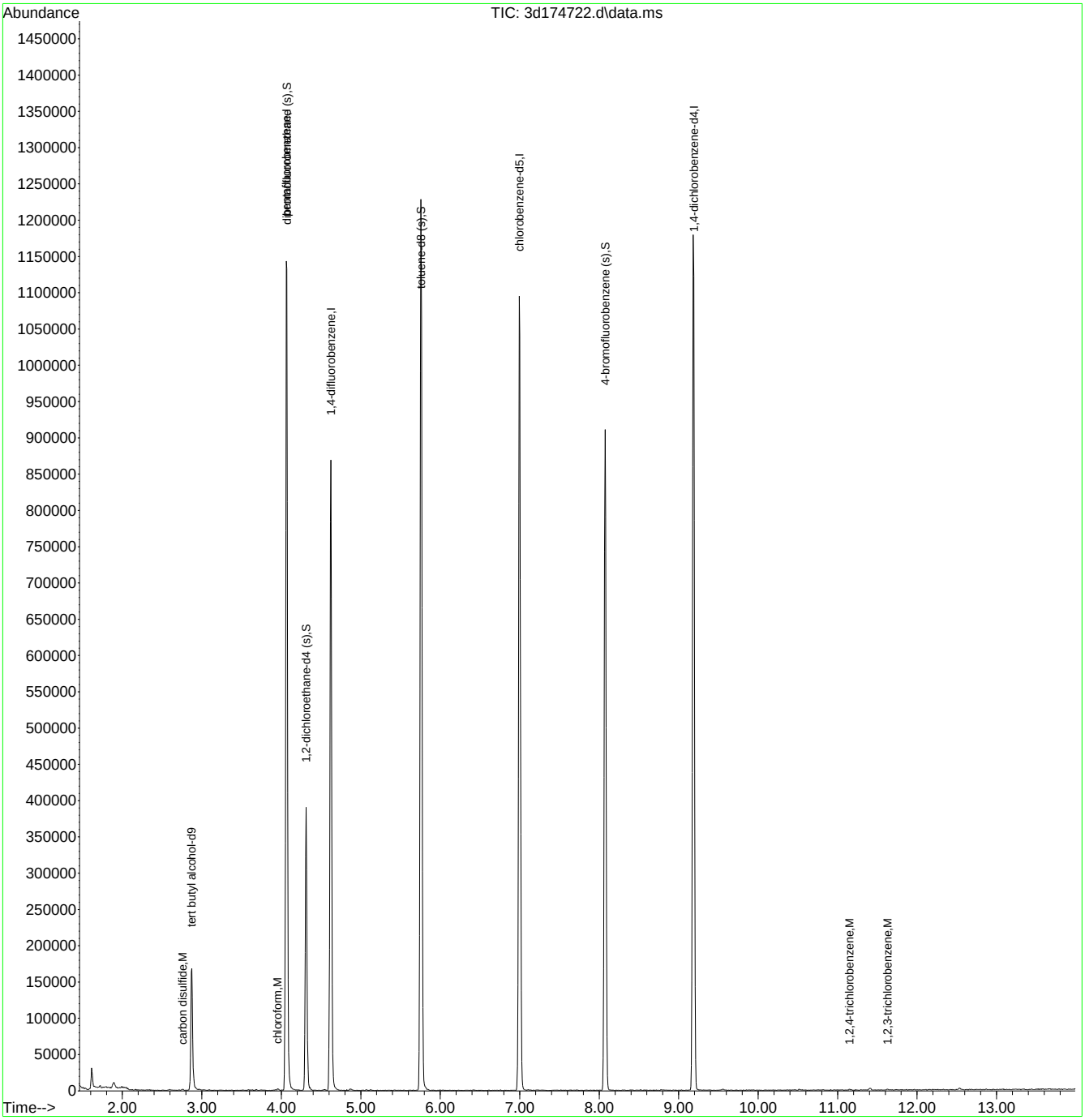
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	2.868	65	153255	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	415190	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	584585	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	571366	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	310909	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	195802	54.32	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.64%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	205312	53.14	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 106.28%				
74) toluene-d8 (s)	5.758	98	719496	49.62	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.24%				
98) 4-bromofluorobenzene (s)	8.074	95	285369	50.43	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.86%				
Target Compounds							Qvalue
21) carbon disulfide	2.758	76	1240	0.14	ug/L		58
41) chloroform	3.953	85	1027	0.23	ug/L	#	72
119) 1,2,4-trichlorobenzene	11.147	180	577	0.11	ug/L	#	84
122) 1,2,3-trichlorobenzene	11.628	180	806	0.19	ug/L		83

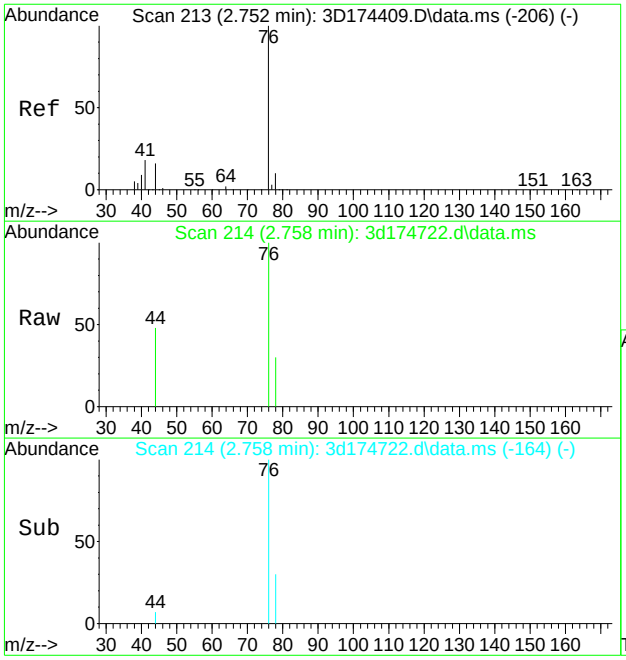
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb Inst : MS3D
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:48:46 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

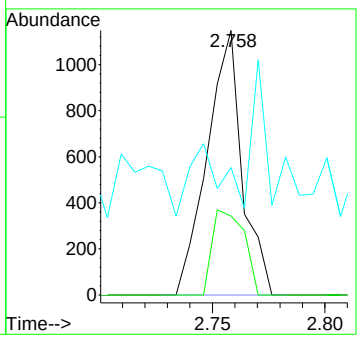


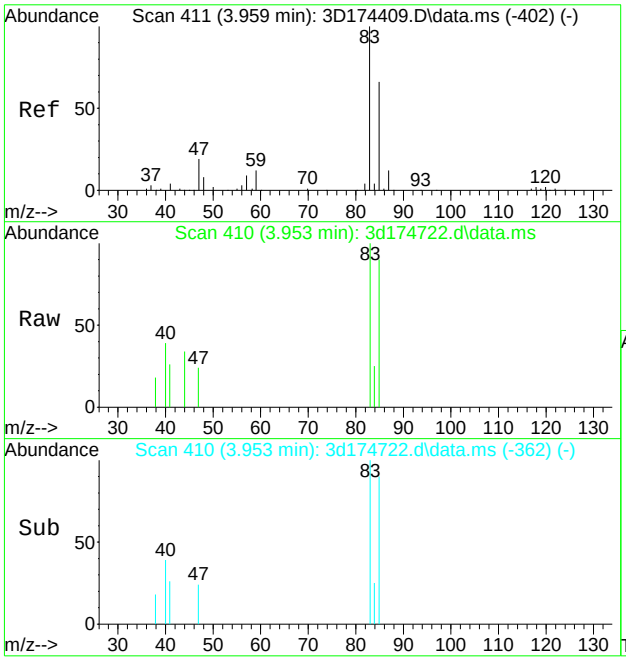


#21
carbon disulfide
Concen: 0.14 ug/L
RT: 2.758 min Scan# 214
Delta R.T. 0.007 min
Lab File: 3d174722.d
Acq: 18 Mar 2022 12:08 pm

Tgt Ion: 76 Resp: 1240

Ion	Ratio	Lower	Upper
76	100		
78	29.9	0.0	39.5
44	1.2	0.0	45.9

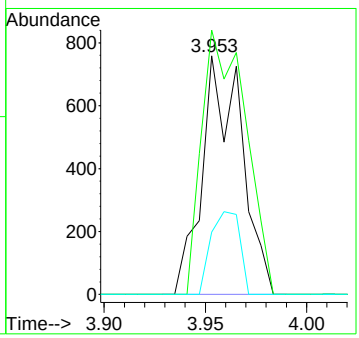


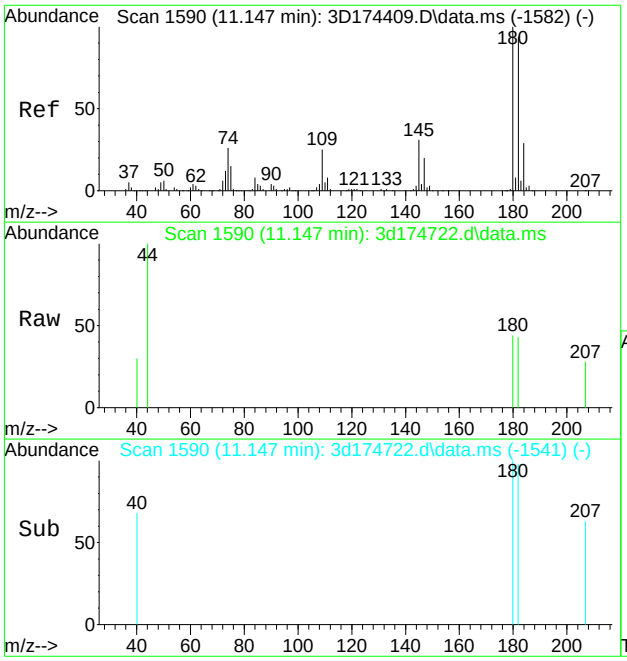


#41
chloroform
Concen: 0.23 ug/L
RT: 3.953 min Scan# 410
Delta R.T. -0.006 min
Lab File: 3d174722.d
Acq: 18 Mar 2022 12:08 pm

Tgt Ion: 85 Resp: 1027

Ion	Ratio	Lower	Upper
85	100		
83	110.8	120.6	180.6#
47	26.1	5.6	65.6

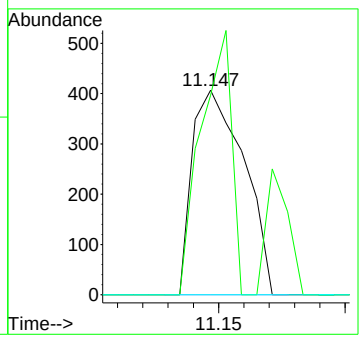


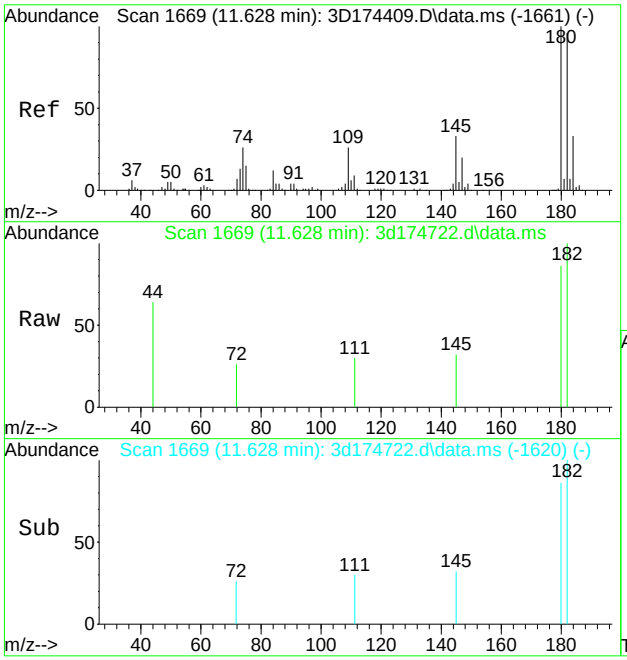


#119
1,2,4-trichlorobenzene
Concen: 0.11 ug/L
RT: 11.147 min Scan# 1590
Delta R.T. 0.000 min
Lab File: 3d174722.d
Acq: 18 Mar 2022 12:08 pm

Tgt Ion:180 Resp: 577

Ion	Ratio	Lower	Upper
180	100		
182	97.5	64.4	124.4
145	0.0	1.2	61.2#

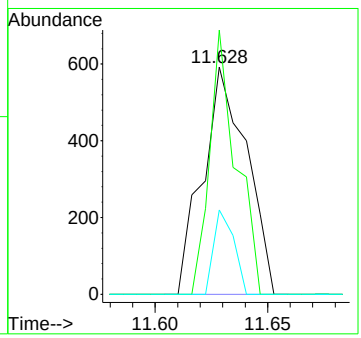




#122
1,2,3-trichlorobenzene
Concen: 0.19 ug/L
RT: 11.628 min Scan# 1669
Delta R.T. 0.000 min
Lab File: 3d174722.d
Acq: 18 Mar 2022 12:08 pm

Tgt Ion:180 Resp: 806

Ion	Ratio	Lower	Upper
180	100		
182	116.4	66.3	126.3
145	37.2	3.1	63.1



LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

Signal : TIC: 3d174722.d\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.612	20	26	41	rBV	29733	54612	2.82%	0.481%
2	1.722	41	44	48	rVB3	3250	4128	0.21%	0.036%
3	1.893	66	72	86	rBV8	7932	18323	0.95%	0.161%
4	1.990	86	88	96	rVB5	2099	2795	0.14%	0.025%
5	2.167	113	117	121	rVB2	1663	1926	0.10%	0.017%
6	2.344	137	146	151	rVB2	1199	2402	0.12%	0.021%
7	2.441	159	162	167	rVB	900	1276	0.07%	0.011%
8	2.502	167	172	181	rBV2	968	2412	0.12%	0.021%
9	2.594	181	187	195	rBV3	1509	3441	0.18%	0.030%
10	2.752	209	213	219	rVB3	1805	3301	0.17%	0.029%
11	2.874	223	233	247	rBV	168106	284453	14.71%	2.506%
12	3.026	256	258	264	rVB3	1056	1373	0.07%	0.012%
13	3.094	266	269	274	rVB2	1363	1902	0.10%	0.017%
14	3.154	277	279	283	rBV	903	1211	0.06%	0.011%
15	3.514	336	338	346	rVB2	1330	2870	0.15%	0.025%
16	3.587	346	350	352	rBV2	1603	2496	0.13%	0.022%
17	3.685	363	366	372	rVB3	1555	1961	0.10%	0.017%
18	3.752	372	377	379	rBV2	928	1479	0.08%	0.013%
19	3.923	402	405	407	rVV	1292	1612	0.08%	0.014%
20	3.953	407	410	416	rVB2	2651	4317	0.22%	0.038%
21	4.063	421	428	448	rVV	1143199	1835349	94.89%	16.166%
22	4.191	448	449	460	rVV3	1031	2304	0.12%	0.020%
23	4.313	460	469	483	rVV	390277	588403	30.42%	5.183%
24	4.423	483	487	493	rVB2	640	1163	0.06%	0.010%
25	4.551	500	508	512	rBV2	1721	3238	0.17%	0.029%
26	4.624	512	520	539	rBV	869206	1350701	69.83%	11.897%
27	4.868	555	560	571	rBV2	2300	5822	0.30%	0.051%
28	4.959	571	575	581	rVB	778	1390	0.07%	0.012%
29	5.069	591	593	598	rVB	1359	1765	0.09%	0.016%
30	5.124	598	602	612	rBV2	1432	2754	0.14%	0.024%
31	5.361	635	641	644	rVB	651	1290	0.07%	0.011%
32	5.428	648	652	657	rVV2	682	1451	0.08%	0.013%
33	5.758	693	706	726	rVV	1228476	1934203	100.00%	17.037%
34	5.910	730	731	737	rVB	972	1178	0.06%	0.010%
35	6.227	782	783	793	rBV	570	1209	0.06%	0.011%
36	6.337	796	801	805	rVV2	499	1212	0.06%	0.011%
37	6.422	810	815	824	rVV	1057	1885	0.10%	0.017%
38	6.501	827	828	835	rVB	878	1443	0.07%	0.013%
39	6.995	902	909	924	rVV	1095041	1765860	91.30%	15.554%
40	7.111	924	928	930	rVV2	1300	1711	0.09%	0.015%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

41	7.141	930	933	937	rVV	1069	1175	0.06%	0.010%
42	7.233	941	948	953	rBV2	1106	2739	0.14%	0.024%
43	7.294	953	958	967	rVB	832	2355	0.12%	0.021%
44	7.404	973	976	980	rBV	627	1201	0.06%	0.011%
45	7.459	980	985	986	rVV	796	1273	0.07%	0.011%
46	7.562	1001	1002	1011	rVV	833	1308	0.07%	0.012%
47	7.647	1011	1016	1021	rVV	964	1344	0.07%	0.012%
48	7.715	1024	1027	1032	rVB2	1051	1887	0.10%	0.017%
49	7.995	1072	1073	1079	rVV	741	1147	0.06%	0.010%
50	8.074	1079	1086	1105	rVB	911133	1437701	74.33%	12.664%
51	8.300	1119	1123	1130	rBV2	809	1929	0.10%	0.017%
52	8.477	1147	1152	1156	rBV	795	1470	0.08%	0.013%
53	8.519	1156	1159	1163	rVV	1197	1216	0.06%	0.011%
54	8.586	1169	1170	1176	rVB2	979	1170	0.06%	0.010%
55	8.775	1199	1201	1211	rBV	1225	2529	0.13%	0.022%
56	8.934	1224	1227	1231	rBV	718	1246	0.06%	0.011%
57	9.184	1257	1268	1280	rBV	1179496	1893760	97.91%	16.681%
58	9.385	1295	1301	1308	rVV2	850	1886	0.10%	0.017%
59	9.562	1324	1330	1334	rVB2	1231	2249	0.12%	0.020%
60	9.647	1343	1344	1352	rVB	779	1509	0.08%	0.013%
61	9.726	1352	1357	1361	rVB	1101	1359	0.07%	0.012%
62	9.885	1380	1383	1386	rVB	1038	1188	0.06%	0.010%
63	9.934	1389	1391	1397	rVB	1093	1670	0.09%	0.015%
64	9.976	1397	1398	1406	rBV	783	1726	0.09%	0.015%
65	10.086	1411	1416	1421	rBV	880	1465	0.08%	0.013%
66	10.190	1431	1433	1440	rVB	925	1199	0.06%	0.011%
67	10.281	1440	1448	1451	rVB	700	1471	0.08%	0.013%
68	10.360	1459	1461	1465	rBV	986	1265	0.07%	0.011%
69	10.427	1470	1472	1475	rBV	839	1231	0.06%	0.011%
70	10.513	1483	1486	1491	rBV3	1708	2172	0.11%	0.019%
71	10.555	1491	1493	1504	rVB2	1199	2132	0.11%	0.019%
72	10.818	1532	1536	1540	rVB	972	1308	0.07%	0.012%
73	10.952	1555	1558	1563	rBV	1008	1544	0.08%	0.014%
74	11.147	1585	1590	1599	rVB2	1558	3422	0.18%	0.030%
75	11.293	1611	1614	1618	rBV	1033	1365	0.07%	0.012%
76	11.409	1628	1633	1647	rBV3	2948	7059	0.36%	0.062%
77	11.507	1647	1649	1653	rVB	886	1171	0.06%	0.010%
78	11.622	1664	1668	1677	rVB4	1545	3334	0.17%	0.029%
79	11.927	1710	1718	1721	rBV2	1149	2892	0.15%	0.025%
80	11.970	1721	1725	1728	rVV2	1202	1673	0.09%	0.015%
81	12.110	1744	1748	1751	rVB2	991	1257	0.06%	0.011%
82	12.195	1760	1762	1772	rBV2	1180	2197	0.11%	0.019%
83	12.330	1780	1784	1795	rVB3	1235	2342	0.12%	0.021%
84	12.433	1795	1801	1802	rBV2	889	1243	0.06%	0.011%
85	12.531	1813	1817	1829	rVB4	2686	6066	0.31%	0.053%

LSC Area Percent Report

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.3 Max Peaks: 100
Stop Thrs : 0.3 Peak Location: TOP

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

Method : C:\msdchem\1\METHODS\M3D7392.M
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

86	12.659	1835	1838	1840	rBV2	1182	1355	0.07%	0.012%
87	12.750	1851	1853	1859	rBV3	729	1416	0.07%	0.012%
88	12.872	1868	1873	1876	rBV2	1504	2330	0.12%	0.021%
89	12.909	1876	1879	1884	rVB2	1060	1578	0.08%	0.014%
90	12.951	1884	1886	1894	rBV2	1240	2585	0.13%	0.023%
91	13.092	1903	1909	1918	rBV4	1285	2648	0.14%	0.023%
92	13.207	1925	1928	1931	rBV2	911	1316	0.07%	0.012%
93	13.348	1944	1951	1959	rBV3	1524	4546	0.24%	0.040%
94	13.439	1964	1966	1973	rVV4	1348	1781	0.09%	0.016%
95	13.530	1973	1981	1983	rVB2	1442	2716	0.14%	0.024%
96	13.585	1983	1990	1993	rBV3	1614	2919	0.15%	0.026%
97	13.652	1993	2001	2002	rBV3	1402	2287	0.12%	0.020%
98	13.787	2021	2023	2030	rVB3	1430	2710	0.14%	0.024%
99	13.854	2030	2034	2041	rBV3	1356	3271	0.17%	0.029%
100	13.902	2041	2042	2051	rBV2	1048	1983	0.10%	0.017%

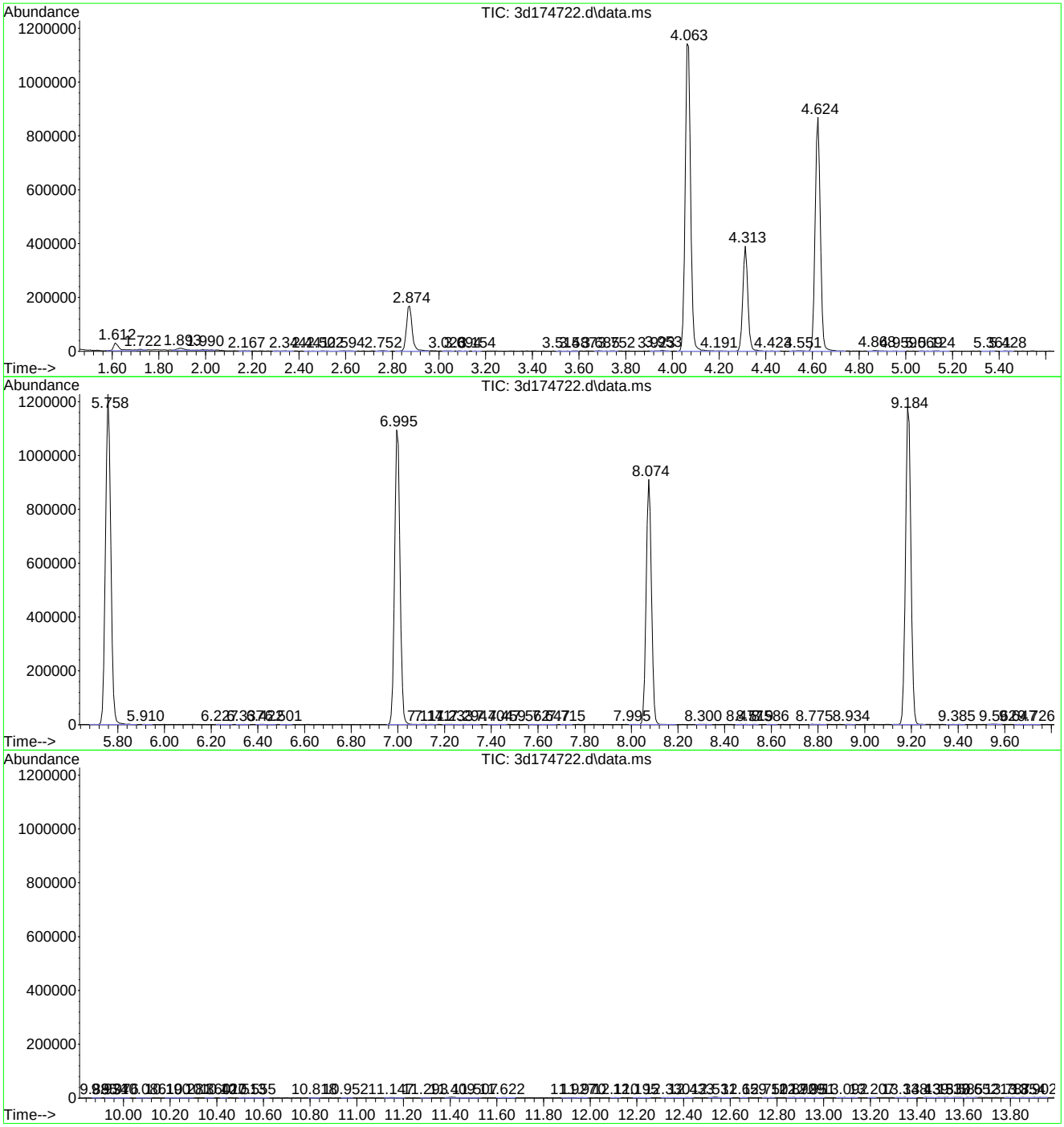
Sum of corrected areas: 11352907

LSC Report - Integrated Chromatogram

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p



Tentatively Identified Compound (LSC) summary

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174722.d
Acq On : 18 Mar 2022 12:08 pm
Operator : nickw
Sample : mb
Misc : MS46075,V3D7404,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022

TIC Library : C:\DATABASE\NIST08.L
TIC Integration Parameters: lscint.p

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

No Library Search Compounds Detected
****

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174720.d
Acq On : 18 Mar 2022 11:21 am
Operator : nickw
Sample : bs Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 18 11:36:21 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	124149	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	390306	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	595911	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	582597	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	307605	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	192837	56.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.82%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	203590	51.70	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 103.40%			
74) toluene-d8 (s)	5.758	98	716282	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.90%			
98) 4-bromofluorobenzene (s)	8.074	95	295894	52.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.70%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	2.923	59	93955	252.61	ug/L	94
3) ethanol	2.319	45	233055	16161.53	ug/L	100
4) 1,4-dioxane	5.044	88	55530	2475.85	ug/L	97
6) chlorodifluoromethane	1.545	51	251207	73.57	ug/L	96
7) dichlorodifluoromethane	1.533	85	333241	82.57	ug/L	98
8) chloromethane	1.673	50	196874	51.27	ug/L	98
9) vinyl chloride	1.752	62	230011	55.45	ug/L	99
10) 1,3-butadiene	1.783	54	222592	52.39	ug/L	98
11) bromomethane	1.990	94	116698	77.53	ug/L	98
12) chloroethane	2.063	64	145168	51.95	ug/L	97
13) trichlorofluoromethane	2.240	101	338775	56.54	ug/L	97
14) ethyl ether	2.417	74	121411	62.75	ug/L	96
15) acrolein	2.502	56	33103	60.78	ug/L	91
16) freon 113	2.587	151	164971	57.44	ug/L	98
17) 1,1-dichloroethene	2.587	96	170693	59.75	ug/L	98
18) acetone	2.587	58	82521	384.00	ug/L	98
19) acetonitrile	2.764	41	240030	860.91	ug/L	98
20) iodomethane	2.691	142	173544	78.81	ug/L	98
21) carbon disulfide	2.752	76	478005	58.49	ug/L	99
22) methylene chloride	2.898	84	196773	56.28	ug/L	93
23) methyl acetate	2.789	43	131977	64.54	ug/L	99
24) methyl tert butyl ether	3.069	73	533874	57.59	ug/L	97
25) trans-1,2-dichloroethene	3.081	96	183047	54.86	ug/L	93
26) di-isopropyl ether	3.368	45	538983	59.04	ug/L	95
27) 2-butanone	3.709	72	93092	269.15	ug/L	90
28) 1,1-dichloroethane	3.362	63	318378	55.49	ug/L	97
29) chloroprene	3.416	53	270925	55.30	ug/L	96
30) acrylonitrile	3.026	53	60113	62.40	ug/L	98
31) hexane	3.264	56	170628	57.81	ug/L	93
32) vinyl acetate	3.337	86	46229	54.84	ug/L #	69
33) ethyl tert-butyl ether	3.605	59	562625	55.60	ug/L	96
34) ethyl acetate	3.727	45	26025	57.22	ug/L #	91
35) 2,2-dichloropropane	3.752	77	292511	54.09	ug/L	95
36) cis-1,2-dichloroethene	3.740	96	202068	53.90	ug/L	93
37) methyl acrylate	3.770	85	27440	49.81	ug/L #	68
38) propionitrile	3.746	54	239461	652.76	ug/L	99
39) bromochloromethane	3.904	128	104917	53.62	ug/L	91
40) tetrahydrofuran	3.916	42	51340	69.44	ug/L	84
41) chloroform	3.959	85	218903	51.48	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174720.d
Acq On : 18 Mar 2022 11:21 am
Operator : nickw
Sample : bs Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 18 11:36:21 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	3.977	59	99487	29.70	ug/L		87
44) methacrylonitrile	3.855	67	75991	57.29	ug/L		88
45) 1,1,1-trichloroethane	4.099	97	307553	52.46	ug/L		95
46) cyclohexane	4.166	84	304177	56.94	ug/L		94
47) 1,1-dichloropropene	4.209	75	251071	56.20	ug/L		95
48) iso-butyl alcohol	4.209	43	57407	828.90	ug/L		91
49) carbon tetrachloride	4.215	117	265835	52.69	ug/L		99
50) tert amyl alcohol	4.294	55	28228	415.81	ug/L		94
53) n-butyl alcohol	4.678	56	222558	4507.68	ug/L		90
54) 2,2,4-trimethylpentane	4.422	57	535957	51.02	ug/L		94
55) benzene	4.349	78	699068	52.72	ug/L		100
56) tert-amyl methyl ether	4.416	87	137195	51.91	ug/L		99
57) heptane	4.532	71	150999	51.01	ug/L		99
58) isopropyl acetate	4.325	87	42736	51.13	ug/L	#	67
59) 1,2-dichloroethane	4.368	62	252275	51.52	ug/L		96
60) trichloroethene	4.819	130	210380	51.28	ug/L		98
61) ethyl acrylate	4.831	55	197457	50.58	ug/L		98
62) 2-nitropropane	5.337	41	48179	47.32	ug/L		92
63) 2-chloroethyl vinyl ether	5.386	63	266628	136.15	ug/L		98
64) methyl methacrylate	5.008	100	49369	52.19	ug/L	#	48
65) 1,2-dichloropropane	5.002	63	187188	54.02	ug/L		99
66) dibromomethane	5.069	93	118141	50.71	ug/L		93
67) methylcyclohexane	5.008	83	315068	50.45	ug/L		99
68) bromodichloromethane	5.191	83	266385	50.58	ug/L		98
69) epichlorohydrin	5.428	57	81528	283.98	ug/L		87
70) cis-1,3-dichloropropene	5.532	75	324159	54.22	ug/L		94
71) 4-methyl-2-pentanone	5.623	58	241974	217.53	ug/L		95
72) 3-methyl-1-butanol	5.648	55	117339	1183.49	ug/L		99
75) toluene	5.812	92	472884	47.49	ug/L		98
76) trans-1,3-dichloropropene	5.977	75	290894	50.67	ug/L		97
77) ethyl methacrylate	6.007	69	237483	49.29	ug/L		91
78) 1,1,2-trichloroethane	6.148	83	139052	50.08	ug/L		94
79) tetrachloroethene	6.251	164	185492	49.76	ug/L		96
80) 1,3-dichloropropane	6.288	76	284514	50.15	ug/L		96
81) 2-hexanone	6.312	58	235353	214.59	ug/L		93
82) butyl acetate	6.404	56	107238	49.67	ug/L		88
83) dibromochloromethane	6.477	129	206712	47.60	ug/L		98
84) 1,2-dibromoethane	6.593	107	176903	49.38	ug/L		99
85) n-butyl ether	7.087	57	769879	47.86	ug/L		96
86) chlorobenzene	7.026	112	537917	47.03	ug/L		97
87) 1,1,1,2-tetrachloroethane	7.093	131	186396	44.83	ug/L		95
88) ethylbenzene	7.105	91	869464	48.41	ug/L		97
89) m,p-xylene	7.221	106	731033	95.05	ug/L		100
90) o-xylene	7.568	106	379815	48.80	ug/L		97
91) styrene	7.586	104	611516	48.08	ug/L		95
92) bromoform	7.757	173	127929	44.29	ug/L		92
93) butyl acrylate	7.495	55	337549	50.65	ug/L		98
94) n-amyl acetate	7.702	70	136272	48.73	ug/L	#	88
95) isopropylbenzene	7.910	105	941200	49.02	ug/L		99
96) cis-1,4-dichloro-2-butene	7.952	88	58771	44.22	ug/L	#	87
99) bromobenzene	8.214	156	242749	48.94	ug/L		95
100) 1,1,2,2-tetrachloroethane	8.184	83	208742	50.99	ug/L		94
101) trans-1,4-dichloro-2-b...	8.214	53	44587	51.42	ug/L	#	80
102) 1,2,3-trichloropropane	8.239	110	64510	49.26	ug/L		99
103) n-propylbenzene	8.306	91	1073781	51.30	ug/L		97
104) 2-chlorotoluene	8.397	126	231897	46.80	ug/L	#	83
105) 4-chlorotoluene	8.507	126	233545	46.35	ug/L	#	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174720.d
Acq On : 18 Mar 2022 11:21 am
Operator : nickw
Sample : bs Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 18 11:36:21 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,3,5-trimethylbenzene	8.476	105	781262	50.32	ug/L	95
107) tert-butylbenzene	8.775	134	189761	49.22	ug/L #	92
108) 1,2,4-trimethylbenzene	8.836	105	794763	51.03	ug/L	95
109) sec-butylbenzene	8.995	105	985491	51.21	ug/L	97
110) 1,3-dichlorobenzene	9.117	146	470080	50.56	ug/L	98
111) p-isopropyltoluene	9.141	119	828763	50.93	ug/L	95
112) 1,4-dichlorobenzene	9.214	146	451454	48.33	ug/L	96
113) 1,2,3-trimethylbenzene	9.232	105	777317	51.06	ug/L	96
114) benzyl chloride	9.312	91	410529	48.30	ug/L	93
115) 1,2-dichlorobenzene	9.562	146	432714	49.15	ug/L	97
116) n-butylbenzene	9.537	92	424241	54.85	ug/L	95
117) 1,2-dibromo-3-chloropr...	10.324	157	50894	52.17	ug/L	98
118) 1,3,5-trichlorobenzene	10.525	180	336860	53.30	ug/L	96
119) 1,2,4-trichlorobenzene	11.147	180	272549	52.85	ug/L	97
120) hexachlorobutadiene	11.299	225	110136	55.64	ug/L	99
121) naphthalene	11.403	128	628256	53.46	ug/L	99
122) 1,2,3-trichlorobenzene	11.628	180	226167	53.02	ug/L	96
123) hexachloroethane	9.836	201	108501	44.89	ug/L	93
124) 2-methylnaphthalene	12.537	142	130620	22.74	ug/L	99

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

Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174720.d
Acq On    : 18 Mar 2022  11:21 am
Operator  : nickw
Sample    : bs                                    Inst    : MS3D
Misc      : MS57409,V3D7404,5,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 18 11:36:21 2022
Quant Title  : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration
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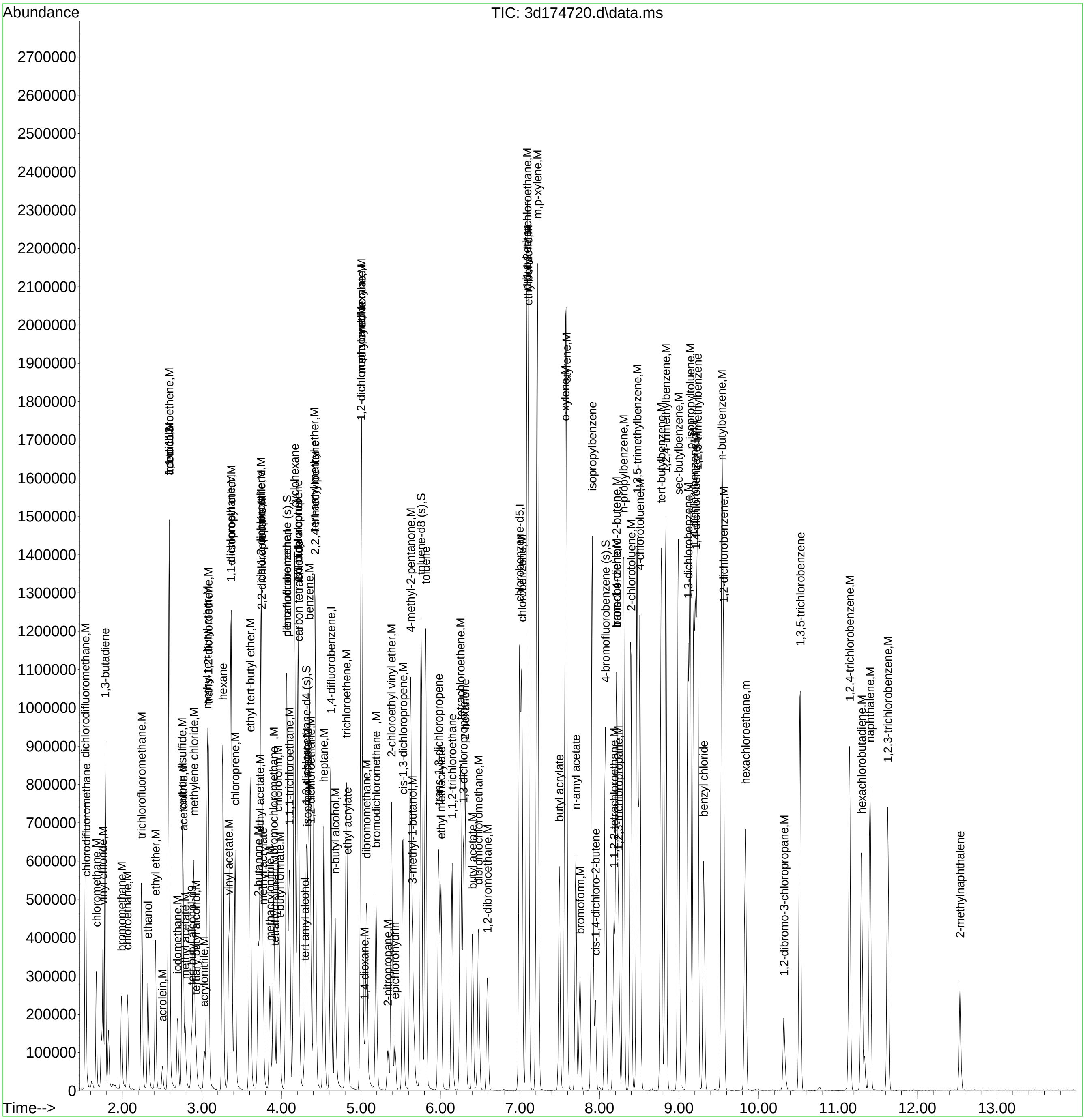


M3D7392.M Mon Mar 21 03:58:13 2022 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174732.d
Acq On : 18 Mar 2022 4:05 pm
Operator : nickw
Sample : jd41239-2ms Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 19 14:28:42 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	150312	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	368085	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	563985	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	557787	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	301363	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	179715	56.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.48%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	203539	54.61	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 109.22%			
74) toluene-d8 (s)	5.758	98	686997	48.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.06%			
98) 4-bromofluorobenzene (s)	8.074	95	285629	52.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.16%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	2.929	59	113247	251.49	ug/L	98
3) ethanol	2.319	45	255178	13886.16	ug/L	100
4) 1,4-dioxane	5.044	88	60035	2210.80	ug/L	95
6) chlorodifluoromethane	1.539	51	254571	79.06	ug/L	97
7) dichlorodifluoromethane	1.533	85	333119	87.52	ug/L	99
8) chloromethane	1.673	50	181574	50.14	ug/L	98
9) vinyl chloride	1.752	62	230953	59.04	ug/L	99
10) 1,3-butadiene	1.783	54	222777	55.60	ug/L	96
11) bromomethane	1.984	94	102753	72.38	ug/L	97
12) chloroethane	2.063	64	140251	53.22	ug/L	99
13) trichlorofluoromethane	2.240	101	341472	60.43	ug/L	98
14) ethyl ether	2.417	74	123196	67.51	ug/L	94
15) acrolein	2.502	56	38770	75.48	ug/L	96
16) freon 113	2.587	151	165535	61.12	ug/L	95
17) 1,1-dichloroethene	2.587	96	170797	63.40	ug/L	90
18) acetone	2.587	58	67338	332.27	ug/L	94
19) acetonitrile	2.764	41	256745	976.45	ug/L	98
20) iodomethane	2.691	142	156788	75.50	ug/L	99
21) carbon disulfide	2.752	76	481744	62.51	ug/L	100
22) methylene chloride	2.898	84	195001	59.14	ug/L	96
23) methyl acetate	2.789	43	136180	70.61	ug/L	99
24) methyl tert butyl ether	3.069	73	540979	61.88	ug/L	98
25) trans-1,2-dichloroethene	3.081	96	185776	59.04	ug/L	95
26) di-isopropyl ether	3.368	45	527414	61.27	ug/L	96
27) 2-butanone	3.709	72	89560	274.57	ug/L	100
28) 1,1-dichloroethane	3.362	63	322557	59.61	ug/L	99
29) chloroprene	3.417	53	277667	60.10	ug/L	96
30) acrylonitrile	3.032	53	69080	76.04	ug/L	93
31) hexane	3.264	56	170535	61.27	ug/L	93
32) vinyl acetate	3.343	86	47605	59.88	ug/L #	69
33) ethyl tert-butyl ether	3.606	59	556293	58.29	ug/L	98
34) ethyl acetate	3.727	45	27903	65.05	ug/L #	76
35) 2,2-dichloropropane	3.752	77	305142	59.84	ug/L	95
36) cis-1,2-dichloroethene	3.740	96	203351	57.52	ug/L	93
37) methyl acrylate	3.770	85	29603	56.99	ug/L #	71
38) propionitrile	3.746	54	254393	735.32	ug/L	93
39) bromochloromethane	3.904	128	103805	56.25	ug/L	88
40) tetrahydrofuran	3.916	42	55997	80.31	ug/L	81
41) chloroform	3.959	85	224639	56.02	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174732.d
Acq On : 18 Mar 2022 4:05 pm
Operator : nickw
Sample : jd41239-2ms Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 19 14:28:42 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	3.977	59	89685	28.39	ug/L		89
44) methacrylonitrile	3.855	67	77726	62.13	ug/L		84
45) 1,1,1-trichloroethane	4.099	97	309294	55.94	ug/L		96
46) cyclohexane	4.166	84	286837	56.94	ug/L	#	87
47) 1,1-dichloropropene	4.209	75	259527	61.60	ug/L		97
48) iso-butyl alcohol	4.209	43	66872	1023.85	ug/L		90
49) carbon tetrachloride	4.215	117	273605	57.51	ug/L		95
50) tert amyl alcohol	4.301	55	32219	570.46	ug/L		96
53) n-butyl alcohol	4.678	56	258210	5525.81	ug/L		92
54) 2,2,4-trimethylpentane	4.422	57	549005	55.22	ug/L		95
55) benzene	4.349	78	704116	56.11	ug/L		100
56) tert-amyl methyl ether	4.416	87	133015	53.17	ug/L		93
57) heptane	4.538	71	155255	55.42	ug/L		100
58) isopropyl acetate	4.325	87	44236	55.92	ug/L	#	73
59) 1,2-dichloroethane	4.368	62	255153	55.05	ug/L		97
60) trichloroethene	4.819	130	215241	55.43	ug/L		100
61) ethyl acrylate	4.831	55	216390	58.57	ug/L		97
62) 2-nitropropane	5.343	41	52479	54.46	ug/L		91
63) 2-chloroethyl vinyl ether	5.386	63	4790	2.58	ug/L		96
64) methyl methacrylate	5.014	100	51841	57.90	ug/L	#	78
65) 1,2-dichloropropane	5.002	63	188403	57.45	ug/L		98
66) dibromomethane	5.075	93	119570	54.23	ug/L		96
67) methylcyclohexane	5.008	83	320864	54.28	ug/L		97
68) bromodichloromethane	5.191	83	266579	53.48	ug/L		98
69) epichlorohydrin	5.428	57	87236	321.06	ug/L		83
70) cis-1,3-dichloropropene	5.532	75	325806	57.58	ug/L		91
71) 4-methyl-2-pentanone	5.623	58	266518	253.15	ug/L		94
72) 3-methyl-1-butanol	5.654	55	144210	1536.85	ug/L		95
75) toluene	5.812	92	479437	50.29	ug/L		99
76) trans-1,3-dichloropropene	5.977	75	294704	53.62	ug/L		98
77) ethyl methacrylate	6.008	69	248799	53.93	ug/L		90
78) 1,1,2-trichloroethane	6.148	83	141032	53.05	ug/L		93
79) tetrachloroethene	6.257	164	188092	52.70	ug/L		96
80) 1,3-dichloropropane	6.288	76	288281	53.07	ug/L		94
81) 2-hexanone	6.312	58	251309	239.33	ug/L		90
82) butyl acetate	6.404	56	115510	55.88	ug/L		89
83) dibromochloromethane	6.483	129	207909	50.00	ug/L		95
84) 1,2-dibromoethane	6.593	107	180516	52.63	ug/L		96
85) n-butyl ether	7.087	57	774692	50.31	ug/L		98
86) chlorobenzene	7.026	112	537281	49.07	ug/L		97
87) 1,1,1,2-tetrachloroethane	7.093	131	190260	47.79	ug/L		95
88) ethylbenzene	7.105	91	866731	50.40	ug/L		96
89) m,p-xylene	7.221	106	724242	98.36	ug/L		100
90) o-xylene	7.574	106	378617	50.81	ug/L		93
91) styrene	7.586	104	611067	50.18	ug/L		94
92) bromoform	7.757	173	133405	48.24	ug/L		97
93) butyl acrylate	7.495	55	354642	55.58	ug/L		97
94) n-amyl acetate	7.702	70	146413	54.68	ug/L	#	82
95) isopropylbenzene	7.910	105	949170	51.64	ug/L		97
96) cis-1,4-dichloro-2-butene	7.952	88	66007	51.87	ug/L		85
99) bromobenzene	8.214	156	239828	49.35	ug/L		92
100) 1,1,2,2-tetrachloroethane	8.184	83	221008	55.10	ug/L		96
101) trans-1,4-dichloro-2-b...	8.214	53	50715	59.70	ug/L	#	75
102) 1,2,3-trichloropropane	8.239	110	70626	55.04	ug/L		94
103) n-propylbenzene	8.300	91	1073835	52.36	ug/L		96
104) 2-chlorotoluene	8.397	126	235685	48.54	ug/L		87
105) 4-chlorotoluene	8.507	126	236568	47.92	ug/L	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174732.d
Acq On : 18 Mar 2022 4:05 pm
Operator : nickw
Sample : jd41239-2ms Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 19 14:28:42 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

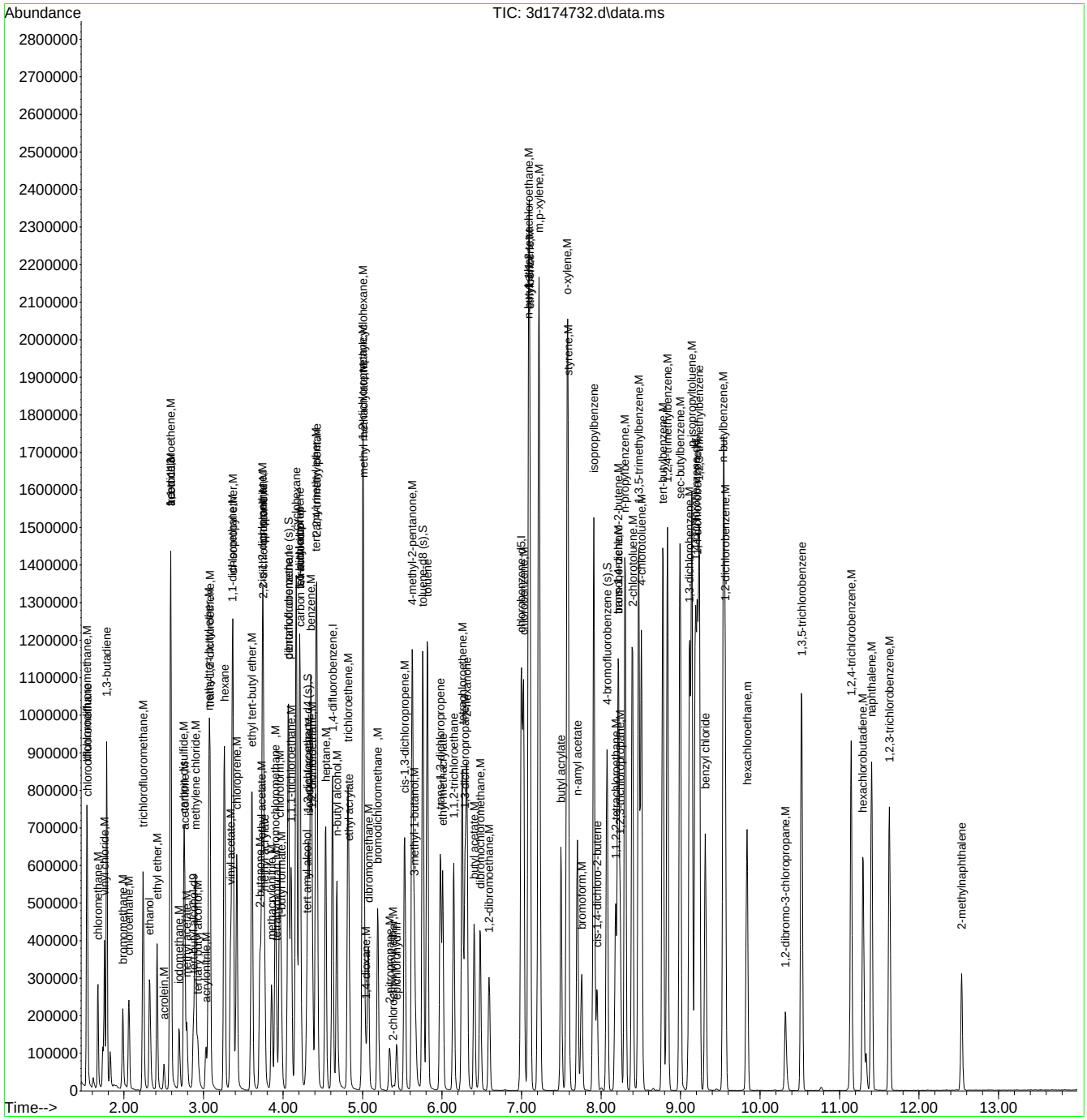
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,3,5-trimethylbenzene	8.477	105	791380	52.02	ug/L	96
107) tert-butylbenzene	8.775	134	189518	50.17	ug/L	91
108) 1,2,4-trimethylbenzene	8.836	105	807420	52.92	ug/L	93
109) sec-butylbenzene	8.995	105	989104	52.46	ug/L	98
110) 1,3-dichlorobenzene	9.111	146	472832	51.91	ug/L	98
111) p-isopropyltoluene	9.141	119	834166	52.32	ug/L	95
112) 1,4-dichlorobenzene	9.208	146	453811	49.59	ug/L	96
113) 1,2,3-trimethylbenzene	9.232	105	778441	52.20	ug/L	96
114) benzyl chloride	9.312	91	456225	54.79	ug/L	93
115) 1,2-dichlorobenzene	9.562	146	435818	50.53	ug/L	98
116) n-butylbenzene	9.537	92	428952	56.61	ug/L	97
117) 1,2-dibromo-3-chloropr...	10.318	157	57719	60.39	ug/L	94
118) 1,3,5-trichlorobenzene	10.525	180	332252	53.66	ug/L	93
119) 1,2,4-trichlorobenzene	11.147	180	277376	54.90	ug/L	98
120) hexachlorobutadiene	11.293	225	109159	56.29	ug/L	99
121) naphthalene	11.403	128	677165	58.81	ug/L	98
122) 1,2,3-trichlorobenzene	11.628	180	231047	55.29	ug/L	98
123) hexachloroethane	9.836	201	108423	45.79	ug/L	93
124) 2-methylnaphthalene	12.537	142	149022	26.48	ug/L	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174732.d
Acq On : 18 Mar 2022 4:05 pm
Operator : nickw
Sample : jd41239-2ms Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 19 14:28:42 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174731.d
Acq On : 18 Mar 2022 3:42 pm
Operator : nickw
Sample : jd41239-1dup Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:16:06 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

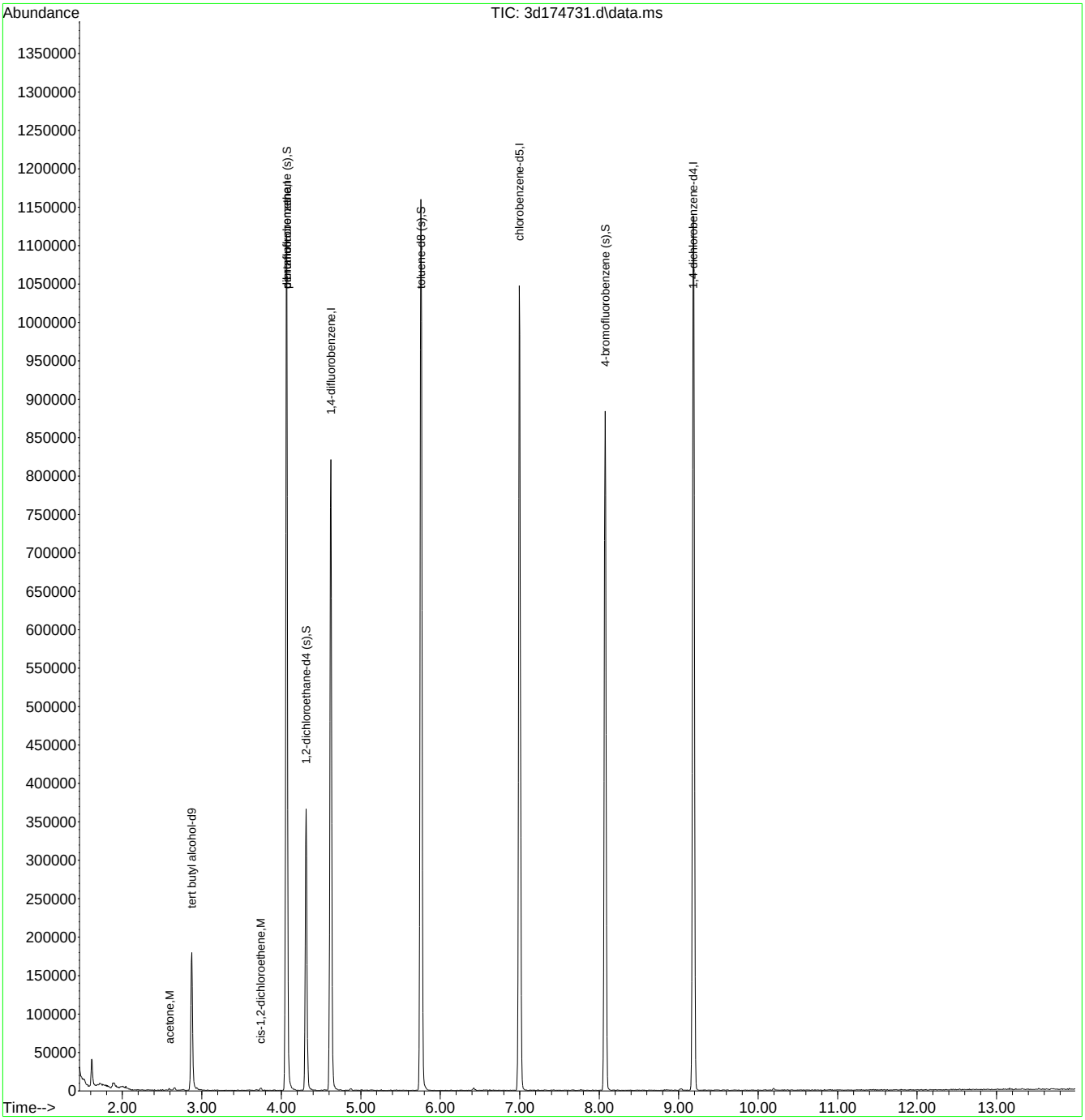
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	159902	500.00	ug/L	0.00
5) pentafluorobenzene	4.069	168	394897	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	570021	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	544750	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.184	152	299277	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	185297	54.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.10%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	201553	53.50	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 107.00%			
74) toluene-d8 (s)	5.757	98	688558	49.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.62%			
98) 4-bromofluorobenzene (s)	8.074	95	275387	50.56	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.12%			
Target Compounds						Qvalue
18) acetone	2.593	58	621	2.86	ug/L #	81
36) cis-1,2-dichloroethene	3.740	96	948	0.25	ug/L	73

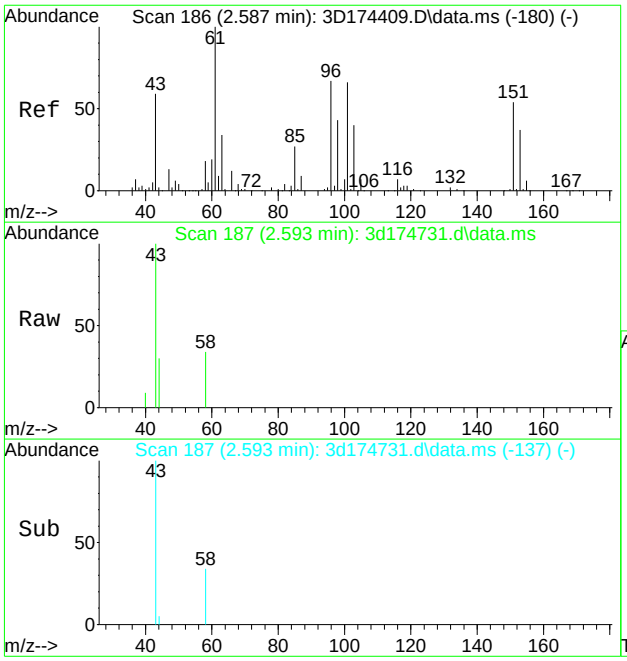
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174731.d
Acq On : 18 Mar 2022 3:42 pm
Operator : nickw
Sample : jd41239-1dup Inst : MS3D
Misc : MS57411,V3D7404,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 03:16:06 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

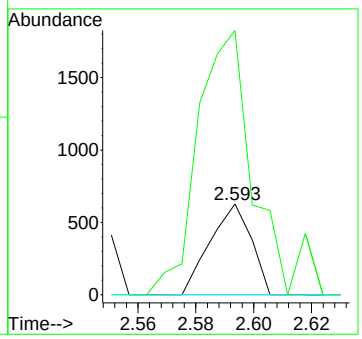


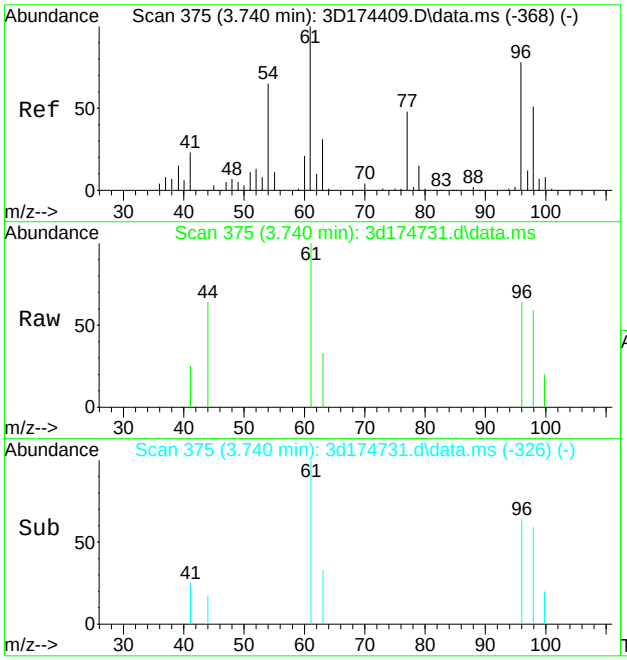


#18
acetone
Concen: 2.86 ug/L
RT: 2.593 min Scan# 187
Delta R.T. 0.006 min
Lab File: 3d174731.d
Acq: 18 Mar 2022 3:42 pm

Tgt Ion: 58 Resp: 621

Ion	Ratio	Lower	Upper
58	100		
43	291.4	294.2	354.2#
42	0.0	0.0	59.2

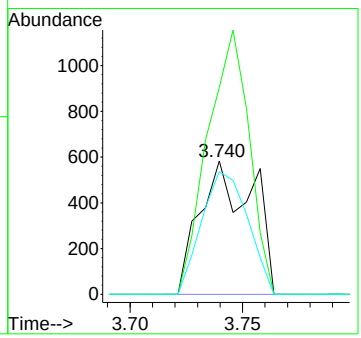




#36
cis-1,2-dichloroethene
Concen: 0.25 ug/L
RT: 3.740 min Scan# 375
Delta R.T. 0.000 min
Lab File: 3d174731.d
Acq: 18 Mar 2022 3:42 pm

Tgt Ion: 96 Resp: 948

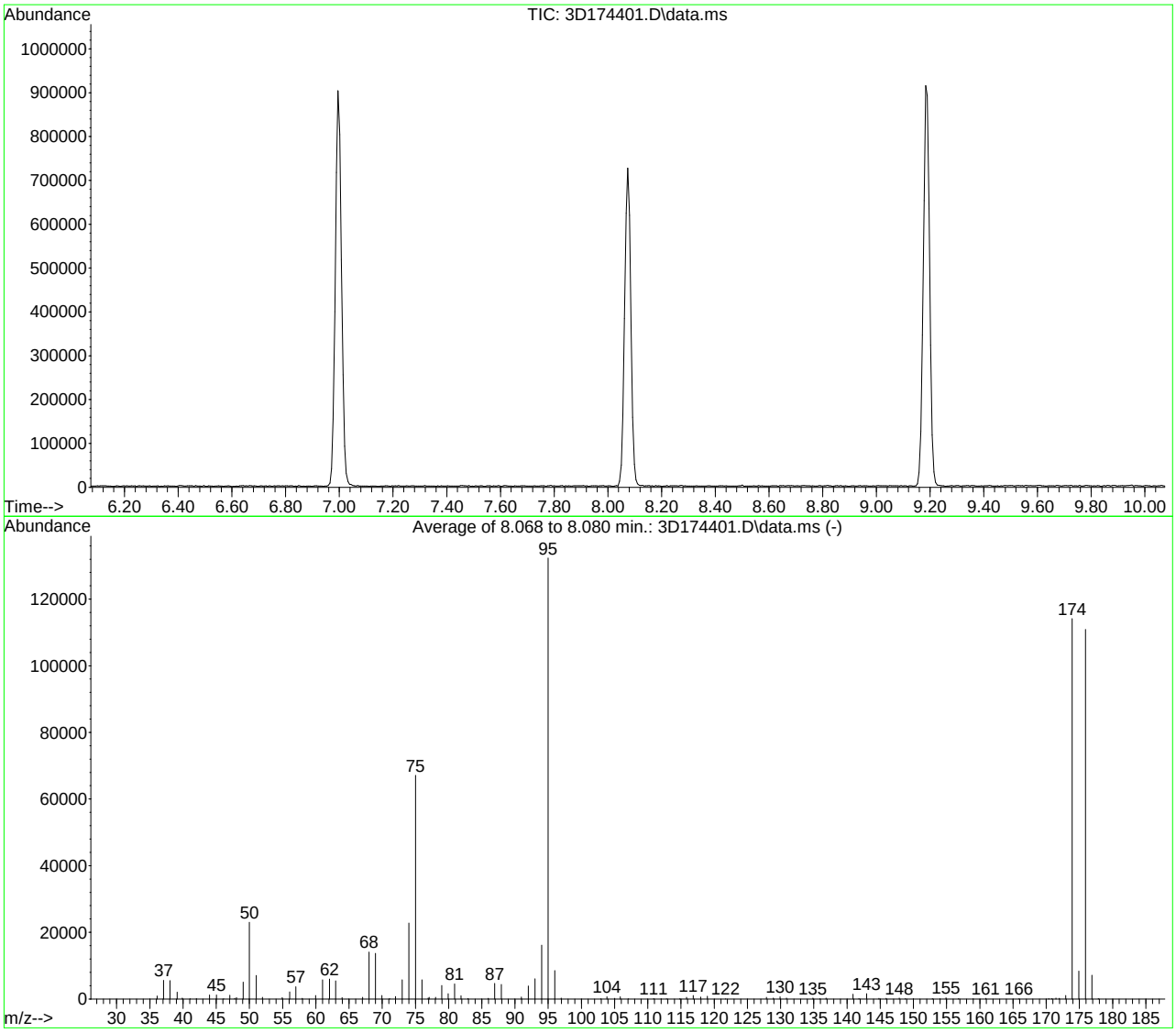
Ion	Ratio	Lower	Upper
96	100		
61	155.1	98.0	158.0
98	92.1	34.8	94.8



SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V3D7392\3D174401.D Vial: 2
Acq On : 10 Mar 2022 1:03 pm Operator: brittank
Sample : bfb Inst : MS3D
Misc : MS57062,V3D7392,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022



AutoFind: Scans 1085, 1086, 1087; Background Corrected with Scan 1077

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	22989	PASS
75	95	30	60	50.7	67101	PASS
95	95	100	100	100.0	132330	PASS
96	95	5	9	6.4	8493	PASS
173	174	0.00	2	1.0	1085	PASS
174	95	50	120	86.2	114125	PASS
175	174	5	9	7.4	8390	PASS
176	174	95	101	97.2	110925	PASS
177	176	5	9	6.4	7141	PASS

3D174401.D M3D7392.M Fri Mar 11 18:39:44 2022 3D

Average of 8.068 to 8.080 min.: 3D174401.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	908	47.80	233	61.00	5712	74.00	22760
37.05	5588	48.05	466	62.05	6016	75.00	67101
38.05	5523	49.05	5048	63.00	5417	76.00	5737
39.10	2082	50.00	22989	63.95	396	76.90	281
39.90	248	51.05	7083	67.05	480	77.05	506
41.10	71	51.95	513	68.00	14081	78.05	494
42.00	81	54.95	450	69.00	13704	78.95	4070
44.00	1204	56.05	2100	69.95	1015	79.95	1584
45.05	1224	57.00	3661	71.10	87	80.90	4538
46.10	54	57.95	222	72.00	707	81.85	951
47.05	1145	59.95	1045	73.00	5758	82.90	158

Average of 8.068 to 8.080 min.: 3D174401.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.95	219	103.85	682	118.95	809	142.95	1586
86.95	4648	105.00	228	121.70	67	144.80	204
87.95	4388	105.85	662	127.85	521	145.90	164
90.95	621	107.10	78	128.90	286	147.85	306
92.00	3924	110.90	150	129.90	647	148.80	119
93.00	6037	112.00	76	130.90	273	150.00	73
94.00	16182	112.80	58	134.85	304	152.85	142
95.00	132330	114.80	51	135.90	57	154.00	71
96.00	8493	115.85	483	136.85	284	154.90	332
96.95	276	116.85	1020	140.90	1467	156.80	124
102.90	57	117.95	565	141.80	144	159.00	62

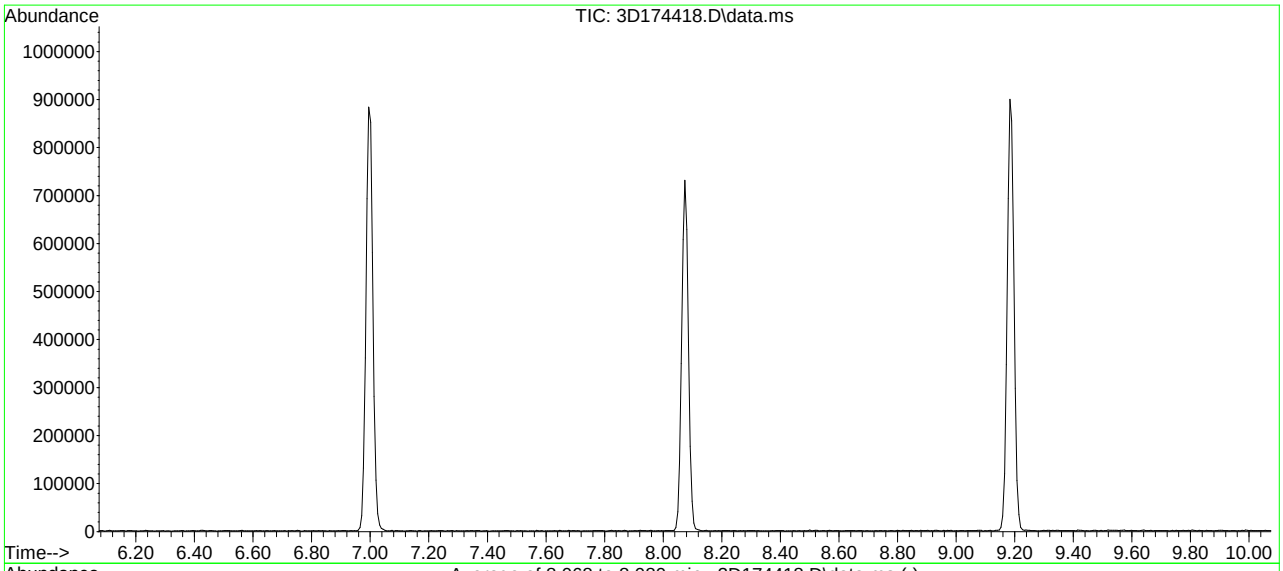
Average of 8.068 to 8.080 min.: 3D174401.D\data.ms
bfb
Modified:subtracted

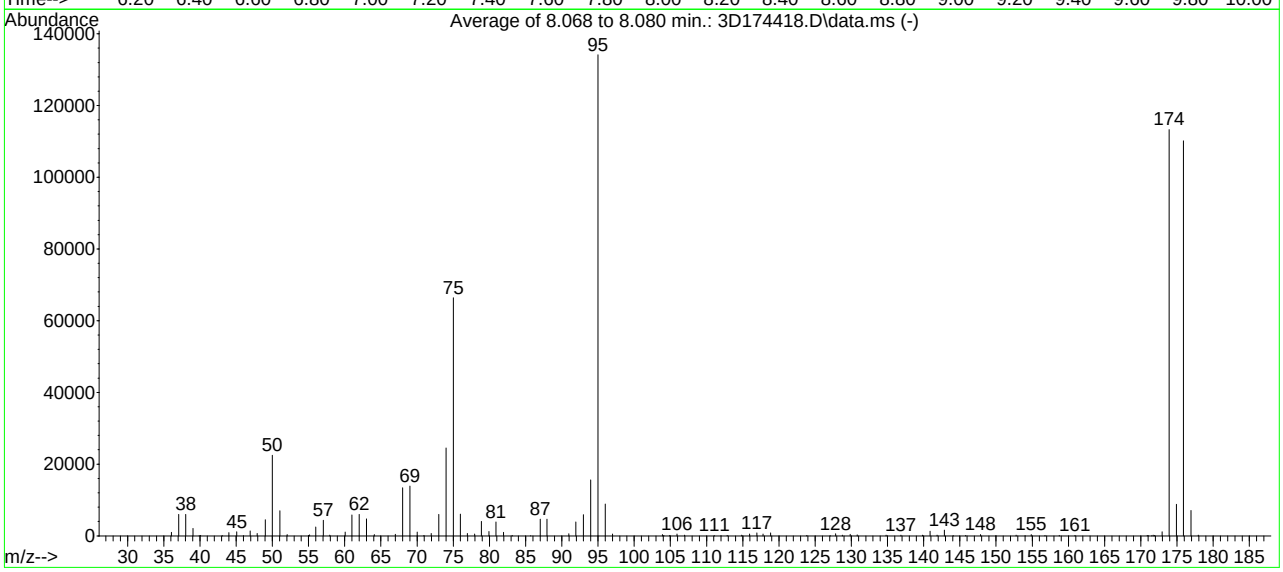
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
160.90	185	177.85	115				
165.90	69						
170.40	97						
170.80	80						
171.45	286						
171.95	178						
172.95	1085						
173.90	114125						
174.90	8390						
175.90	110925						
176.90	7141						

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\V3D7392\3D174418.D Vial: 18
Acq On : 11 Mar 2022 9:18 am Operator: brittank
Sample : bfb2 Inst : MS3D
Misc : MS57062,V3D7392,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022





AutoFind: Scans 1085, 1086, 1087; Background Corrected with Scan 1077

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	22472	PASS
75	95	30	60	49.5	66368	PASS
95	95	100	100	100.0	134130	PASS
96	95	5	9	6.6	8876	PASS
173	174	0.00	2	1.0	1119	PASS
174	95	50	120	84.4	113250	PASS
175	174	5	9	7.7	8771	PASS
176	174	95	101	97.3	110176	PASS
177	176	5	9	6.4	7095	PASS

3D174418.D M3D7392.M Fri Mar 11 18:55:02 2022 3D

Average of 8.068 to 8.080 min.: 3D174418.D\data.ms
bfb2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	965	47.90	705	61.00	5862	74.00	24525
37.05	5975	49.05	4481	62.00	5976	75.00	66368
38.05	6006	50.00	22472	63.00	4720	76.00	6049
39.05	2054	51.05	7032	64.10	390	76.95	671
39.90	52	52.05	388	67.00	452	77.95	543
40.10	140	55.00	129	68.00	13406	78.90	4056
43.10	10	55.15	292	69.00	13916	79.95	1217
44.00	909	56.00	2478	70.00	1057	80.90	3856
45.10	1162	57.05	4376	70.95	135	81.95	975
46.00	79	57.95	202	71.95	663	83.15	118
46.95	1401	60.05	1047	73.00	5994	85.70	52

Average of 8.068 to 8.080 min.: 3D174418.D\data.ms
bfb2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	4695	104.90	145	123.85	127	142.85	1605
87.95	4666	105.90	512	127.10	60	144.10	80
90.95	566	106.95	176	127.85	558	145.80	119
91.95	3864	111.10	72	128.75	174	147.85	388
93.00	5929	112.00	54	129.85	470	150.00	56
94.00	15580	112.85	116	130.80	242	152.75	167
95.00	134130	114.85	191	134.80	215	154.00	68
96.00	8876	115.95	500	136.85	227	154.85	347
97.00	480	116.95	839	139.85	170	156.75	139
103.90	365	117.80	534	140.90	1290	158.75	112
104.10	134	118.85	794	141.85	219	160.90	115

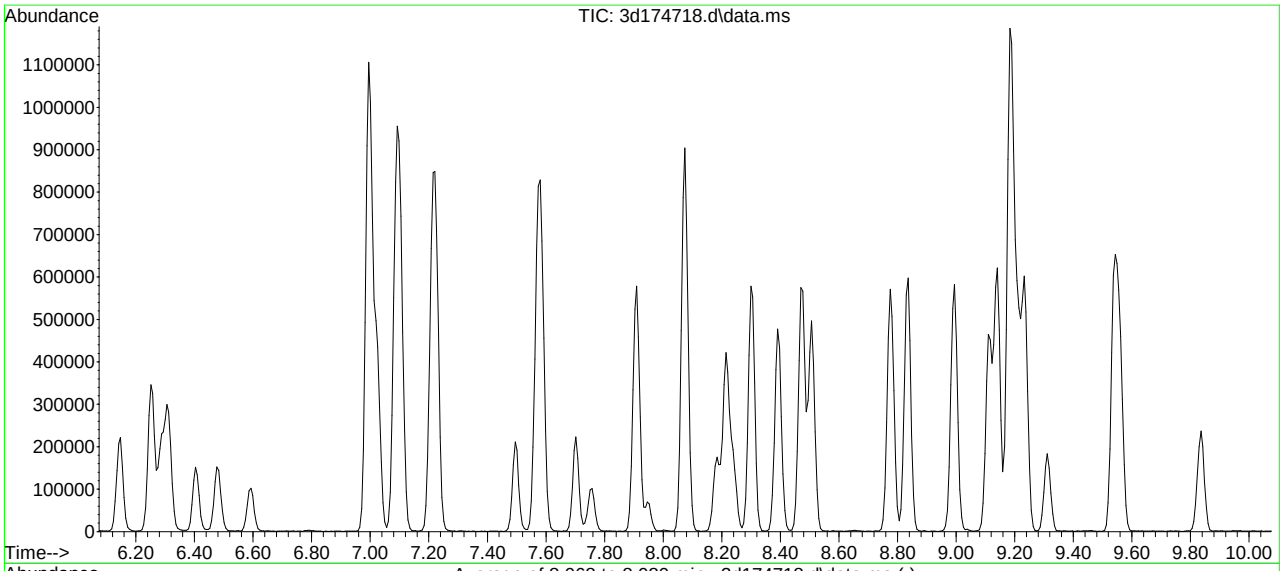
Average of 8.068 to 8.080 min.: 3D174418.D\data.ms
bfb2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.90	95						
171.10	62						
171.50	68						
171.70	189						
171.90	136						
172.95	1119						
173.90	113250						
174.90	8771						
175.90	110176						
176.95	7095						
177.95	219						

SW-846 Method 8260

Data File : C:\msdchem\1\data\ne...21\v3d7404\3d174718.d Vial: 2
Acq On : 18 Mar 2022 10:06 am Operator: nickw
Sample : bfb Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M3D7392.M (RTE Integrator)
Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022



AutoFind: Scans 1085, 1086, 1087; Background Corrected with Scan 1077

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	29741	PASS
75	95	30	60	52.3	84021	PASS
95	95	100	100	100.0	160661	PASS
96	95	5	9	7.0	11182	PASS
173	174	0.00	2	0.8	1089	PASS
174	95	50	120	84.5	135824	PASS
175	174	5	9	7.3	9933	PASS
176	174	95	101	99.4	134989	PASS
177	176	5	9	6.8	9159	PASS

3d174718.d M3D7392.M Mon Mar 21 02:38:46 2022

Average of 8.068 to 8.080 min.: 3d174718.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1464	46.20	60	58.05	270	73.05	7125
37.10	8013	47.10	1655	60.00	1328	74.05	28003
38.10	7284	47.80	241	61.00	7917	75.05	84021
39.10	2752	48.10	1047	62.10	6765	76.00	6868
39.90	98	49.10	6356	63.10	5921	77.05	795
40.20	69	50.10	29741	64.05	552	77.95	804
42.80	94	51.10	8983	67.10	431	78.95	5799
43.10	85	51.90	278	68.00	16331	79.95	1754
44.05	998	55.00	203	69.00	17324	80.95	5898
45.10	1352	56.05	2431	70.05	1223	81.85	1300
45.90	74	57.05	4893	71.95	814	82.95	205

Average of 8.068 to 8.080 min.: 3d174718.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.20	103	97.05	312	115.90	725	134.70	81
87.00	6669	104.00	771	116.95	1141	134.95	381
88.00	5443	105.00	326	117.95	803	135.95	153
90.70	76	105.95	1033	118.95	943	136.80	124
90.95	432	106.90	175	123.90	74	137.00	233
92.05	4640	109.80	61	127.85	597	139.85	109
93.00	7019	110.80	156	128.85	250	140.90	1745
94.05	20136	111.80	94	129.70	262	141.75	178
95.00	160661	112.60	51	129.95	411	141.95	195
96.05	11182	113.00	110	130.60	76	142.90	1965
96.90	90	114.85	198	130.90	180	146.70	65

Average of 8.068 to 8.080 min.: 3d174718.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.90	64	158.95	208	177.95	269		
147.80	360	160.90	64				
148.80	72	170.10	53				
149.95	193	170.50	133				
152.10	87	171.40	80				
153.70	75	171.55	132				
154.00	88	173.00	1089				
154.90	546	174.00	135824				
156.70	84	175.00	9933				
156.90	190	175.95	134989				
158.70	60	176.95	9159				

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174402.D
Acq On : 10 Mar 2022 1:38 pm
Operator : brittank
Sample : ic7392-0.2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 19:43:48 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.868	65	77481	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	385851	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.618	114	528423	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	474957	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.184	152	242997	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.063	113	164070	50.15	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%				
52) 1,2-dichloroethane-d4 (s)	4.307	65	178374	54.38	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 108.76%				
74) toluene-d8 (s)	5.758	98	625124	54.75	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.50%				
98) 4-bromofluorobenzene (s)	8.074	95	225709	56.67	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.34%				
Target Compounds							Qvalue
13) trichlorofluoromethane	2.240	101	1284	0.24	ug/L		75
16) freon 113	2.587	151	589	0.22	ug/L	#	58
24) methyl tert butyl ether	3.057	73	1946	0.22	ug/L		88
28) 1,1-dichloroethane	3.368	63	1189	0.23	ug/L		92
29) chloroprene	3.423	53	1110	0.25	ug/L		80
33) ethyl tert-butyl ether	3.606	59	1982	0.20	ug/L	#	63
36) cis-1,2-dichloroethene	3.740	96	856	0.25	ug/L	#	77
42) t-butyl formate	3.977	59	756	0.24	ug/L	#	61
45) 1,1,1-trichloroethane	4.099	97	1361	0.25	ug/L	#	43
47) 1,1-dichloropropene	4.209	75	927	0.22	ug/L		83
49) carbon tetrachloride	4.221	117	947	0.19	ug/L	#	40
56) tert-amyl methyl ether	4.410	87	418	0.18	ug/L	#	1
60) trichloroethene	4.813	130	753	0.20	ug/L		89
63) 2-chloroethyl vinyl ether	5.392	63	1519	0.84	ug/L		91
65) 1,2-dichloropropane	5.008	63	582	0.20	ug/L	#	47
70) cis-1,3-dichloropropene	5.526	75	985	0.19	ug/L	#	66
75) toluene	5.819	92	1825	0.24	ug/L	#	79
76) trans-1,3-dichloropropene	5.977	75	1030	0.22	ug/L		88
79) tetrachloroethene	6.257	164	630	0.22	ug/L	#	72
80) 1,3-dichloropropane	6.282	76	1016	0.24	ug/L		81
81) 2-hexanone	6.318	58	770	0.93	ug/L	#	26
83) dibromochloromethane	6.477	129	783	0.22	ug/L		92
84) 1,2-dibromoethane	6.593	107	502	0.17	ug/L		70
85) n-butyl ether	7.099	57	3018	0.26	ug/L		91
86) chlorobenzene	7.026	112	2011	0.23	ug/L		96
87) 1,1,1,2-tetrachloroethane	7.093	131	676	0.20	ug/L	#	53
89) m,p-xylene	7.215	106	2574	0.42	ug/L	#	69
90) o-xylene	7.568	106	1388	0.22	ug/L		86
91) styrene	7.586	104	2376	0.23	ug/L		91
92) bromoform	7.763	173	418	0.16	ug/L		82
95) isopropylbenzene	7.910	105	3143	0.20	ug/L		88
104) 2-chlorotoluene	8.397	126	805	0.22	ug/L	#	79
105) 4-chlorotoluene	8.513	126	864	0.23	ug/L	#	43
106) 1,3,5-trimethylbenzene	8.477	105	2636	0.23	ug/L		83
108) 1,2,4-trimethylbenzene	8.842	105	2347	0.20	ug/L		78
109) sec-butylbenzene	9.001	105	3208	0.22	ug/L		96
110) 1,3-dichlorobenzene	9.123	146	1499	0.21	ug/L		73
111) p-isopropyltoluene	9.141	119	2638	0.21	ug/L		97
112) 1,4-dichlorobenzene	9.214	146	1697	0.24	ug/L		59
114) benzyl chloride	9.318	91	1290	0.20	ug/L		94
115) 1,2-dichlorobenzene	9.568	146	1487	0.22	ug/L		75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174402.D
Acq On : 10 Mar 2022 1:38 pm
Operator : brittank
Sample : ic7392-0.2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 19:43:48 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

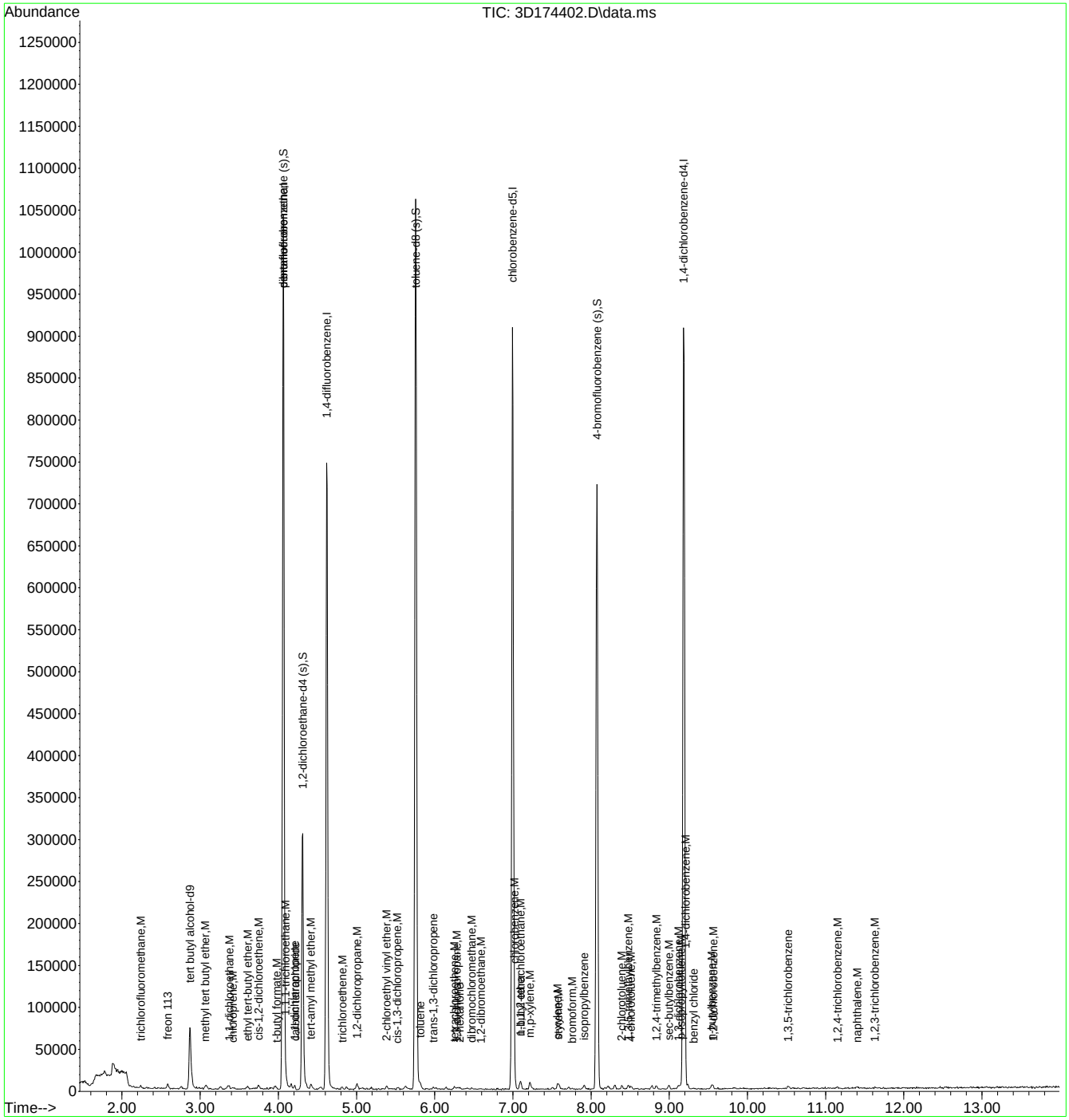
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
116) n-butylbenzene	9.537	92	1383	0.24 ug/L	84
118) 1,3,5-trichlorobenzene	10.513	180	1080	0.22 ug/L #	64
119) 1,2,4-trichlorobenzene	11.153	180	879	0.22 ug/L	85
121) naphthalene	11.409	128	2024	0.22 ug/L	98
122) 1,2,3-trichlorobenzene	11.628	180	630	0.19 ug/L #	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174402.D
Acq On : 10 Mar 2022 1:38 pm
Operator : brittank
Sample : ic7392-0.2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 19:43:48 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174403.D
Acq On : 10 Mar 2022 2:01 pm
Operator : brittank
Sample : ic7392-0.5
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 19:45:41 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	2.868	65	84222	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	343981	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	501589	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	471050	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	245946	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	152739	52.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.74%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	174572	56.07	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 112.14%			
74) toluene-d8 (s)	5.757	98	607615	53.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 107.32%			
98) 4-bromofluorobenzene (s)	8.074	95	227463	56.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.84%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	2.923	59	657	2.71	ug/L #	40
11) bromomethane	1.990	94	748	0.58	ug/L #	55
13) trichlorofluoromethane	2.240	101	2985	0.62	ug/L	96
14) ethyl ether	2.423	74	892	0.56	ug/L #	51
16) freon 113	2.581	151	1241	0.52	ug/L #	73
17) 1,1-dichloroethene	2.587	96	1309	0.56	ug/L	88
21) carbon disulfide	2.752	76	3907	0.59	ug/L	97
24) methyl tert butyl ether	3.069	73	3939	0.50	ug/L	73
25) trans-1,2-dichloroethene	3.087	96	1614	0.59	ug/L	87
28) 1,1-dichloroethane	3.368	63	2620	0.57	ug/L	99
29) chloroprene	3.416	53	2373	0.59	ug/L	80
32) vinyl acetate	3.337	86	379	0.51	ug/L #	34
33) ethyl tert-butyl ether	3.599	59	4316	0.50	ug/L	89
36) cis-1,2-dichloroethene	3.746	96	1685	0.54	ug/L	82
37) methyl acrylate	3.782	85	259	0.57	ug/L #	1
39) bromochloromethane	3.898	128	917	0.54	ug/L #	65
42) t-butyl formate	3.971	59	1592	0.56	ug/L #	66
45) 1,1,1-trichloroethane	4.099	97	2818	0.58	ug/L #	57
46) cyclohexane	4.166	84	2544	0.56	ug/L	97
47) 1,1-dichloropropene	4.209	75	1935	0.51	ug/L	85
49) carbon tetrachloride	4.215	117	2245	0.51	ug/L #	78
55) benzene	4.349	78	5823	0.55	ug/L	86
56) tert-amyl methyl ether	4.416	87	1149	0.53	ug/L #	84
57) heptane	4.532	71	1536	0.67	ug/L #	75
60) trichloroethene	4.812	130	1615	0.45	ug/L	89
63) 2-chloroethyl vinyl ether	5.392	63	3782	2.21	ug/L	89
64) methyl methacrylate	5.008	100	352	0.44	ug/L #	60
65) 1,2-dichloropropane	5.008	63	1583	0.56	ug/L	92
66) dibromomethane	5.069	93	1063	0.56	ug/L	95
67) methylcyclohexane	5.008	83	2882	0.58	ug/L	80
68) bromodichloromethane	5.184	83	2750	0.66	ug/L	77
70) cis-1,3-dichloropropene	5.532	75	2887	0.58	ug/L	90
71) 4-methyl-2-pentanone	5.629	58	2076	2.27	ug/L	88
75) toluene	5.812	92	4491	0.60	ug/L	98
76) trans-1,3-dichloropropene	5.977	75	2410	0.53	ug/L	92
79) tetrachloroethene	6.251	164	1497	0.52	ug/L	95
80) 1,3-dichloropropane	6.282	76	2342	0.55	ug/L	96
81) 2-hexanone	6.312	58	1921	2.34	ug/L #	70
83) dibromochloromethane	6.483	129	1835	0.53	ug/L #	59
84) 1,2-dibromoethane	6.599	107	1599	0.54	ug/L	84
85) n-butyl ether	7.086	57	7571	0.65	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174403.D
Acq On : 10 Mar 2022 2:01 pm
Operator : brittank
Sample : ic7392-0.5
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 19:45:41 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

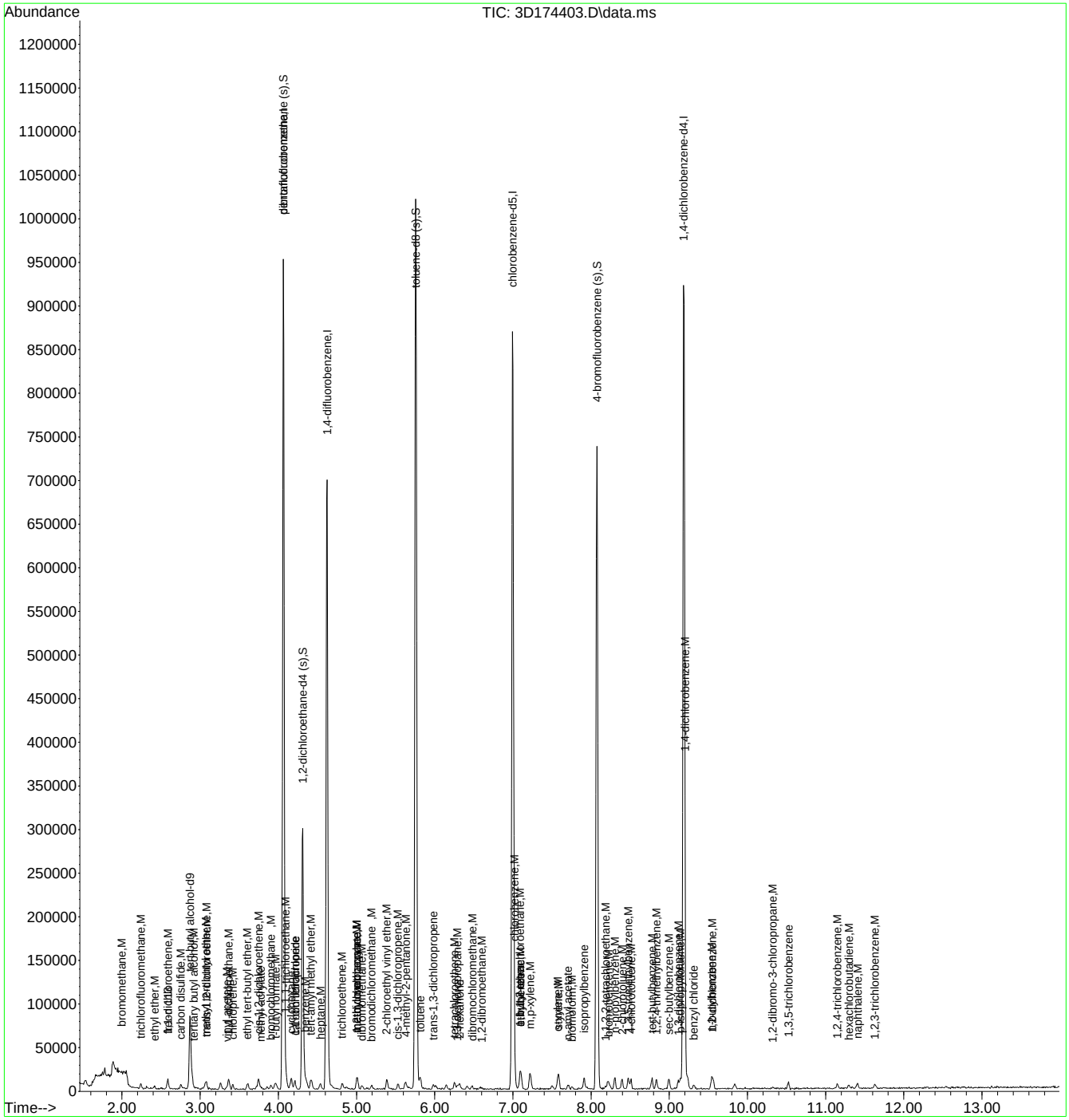
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) chlorobenzene	7.025	112	4924	0.56	ug/L		90
87) 1,1,1,2-tetrachloroethane	7.093	131	1827	0.56	ug/L		81
88) ethylbenzene	7.105	91	7449	0.55	ug/L		93
89) m,p-xylene	7.227	106	6672	1.10	ug/L		91
90) o-xylene	7.568	106	3125	0.50	ug/L		83
91) styrene	7.586	104	4887	0.47	ug/L		91
92) bromoform	7.751	173	992	0.38	ug/L		81
94) n-amyl acetate	7.702	70	1296	0.59	ug/L	#	62
95) isopropylbenzene	7.909	105	8252	0.53	ug/L		93
99) bromobenzene	8.214	156	2153	0.61	ug/L		94
100) 1,1,2,2-tetrachloroethane	8.184	83	1790	0.62	ug/L		94
103) n-propylbenzene	8.306	91	9354	0.62	ug/L		90
104) 2-chlorotoluene	8.397	126	2210	0.61	ug/L	#	72
105) 4-chlorotoluene	8.513	126	1939	0.51	ug/L	#	27
106) 1,3,5-trimethylbenzene	8.476	105	6754	0.58	ug/L		87
107) tert-butylbenzene	8.781	134	1438	0.49	ug/L		91
108) 1,2,4-trimethylbenzene	8.836	105	6318	0.53	ug/L		92
109) sec-butylbenzene	8.995	105	7844	0.54	ug/L		92
110) 1,3-dichlorobenzene	9.117	146	3907	0.53	ug/L		96
111) p-isopropyltoluene	9.141	119	6453	0.50	ug/L		87
112) 1,4-dichlorobenzene	9.208	146	4033	0.56	ug/L		76
114) benzyl chloride	9.306	91	3847	0.59	ug/L		89
115) 1,2-dichlorobenzene	9.555	146	3547	0.51	ug/L		91
116) n-butylbenzene	9.543	92	3045	0.51	ug/L		95
117) 1,2-dibromo-3-chloropr...	10.318	157	309	0.40	ug/L	#	41
118) 1,3,5-trichlorobenzene	10.519	180	2173	0.43	ug/L		92
119) 1,2,4-trichlorobenzene	11.153	180	1892	0.47	ug/L		91
120) hexachlorobutadiene	11.299	225	734	0.46	ug/L	#	66
121) naphthalene	11.403	128	4546	0.49	ug/L		91
122) 1,2,3-trichlorobenzene	11.628	180	1666	0.49	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174403.D
Acq On : 10 Mar 2022 2:01 pm
Operator : brittank
Sample : ic7392-0.5
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 19:45:41 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174404.D
Acq On : 10 Mar 2022 2:25 pm
Operator : brittank
Sample : ic7392-1
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 19:47:03 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.868	65	83089	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	344884	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.623	114	506912	50.00	ug/L		0.00
73) chlorobenzene-d5	7.001	117	473285	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	241162	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.063	113	150799	51.57	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.14%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	176406	56.06	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 112.12%				
74) toluene-d8 (s)	5.757	98	621627	54.64	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.28%				
98) 4-bromofluorobenzene (s)	8.074	95	225560	57.06	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.12%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.923	59	1324	5.53	ug/L	#	1
3) ethanol	2.319	45	1840	159.74	ug/L		88
4) 1,4-dioxane	5.044	88	420	30.66	ug/L	#	22
8) chloromethane	1.673	50	4188	1.35	ug/L		94
9) vinyl chloride	1.752	62	4052	1.13	ug/L		91
11) bromomethane	1.996	94	1464	1.13	ug/L		74
12) chloroethane	2.063	64	2983	1.39	ug/L		88
13) trichlorofluoromethane	2.240	101	5489	1.13	ug/L		95
14) ethyl ether	2.417	74	1754	1.10	ug/L		86
16) freon 113	2.587	151	2341	0.97	ug/L	#	72
17) 1,1-dichloroethene	2.587	96	2502	1.07	ug/L		78
21) carbon disulfide	2.752	76	7522	1.12	ug/L		91
24) methyl tert butyl ether	3.069	73	8158	1.04	ug/L		99
25) trans-1,2-dichloroethene	3.081	96	3034	1.12	ug/L		94
26) di-isopropyl ether	3.368	45	8411	1.10	ug/L		90
27) 2-butanone	3.715	72	1268	4.24	ug/L		90
28) 1,1-dichloroethane	3.368	63	5714	1.24	ug/L		93
29) chloroprene	3.416	53	4328	1.07	ug/L		87
31) hexane	3.264	56	3023	1.24	ug/L	#	76
32) vinyl acetate	3.349	86	768	1.03	ug/L	#	71
33) ethyl tert-butyl ether	3.611	59	9652	1.12	ug/L		88
35) 2,2-dichloropropane	3.758	77	5059	1.14	ug/L		82
36) cis-1,2-dichloroethene	3.739	96	3321	1.07	ug/L		87
37) methyl acrylate	3.776	85	514	1.14	ug/L	#	24
38) propionitrile	3.746	54	3520	11.66	ug/L		85
39) bromochloromethane	3.904	128	1956	1.15	ug/L	#	76
41) chloroform	3.959	85	4866	1.45	ug/L		92
42) t-butyl formate	3.977	59	2676	0.94	ug/L		85
44) methacrylonitrile	3.861	67	1186	1.05	ug/L	#	79
45) 1,1,1-trichloroethane	4.105	97	5248	1.08	ug/L	#	66
46) cyclohexane	4.166	84	5502	1.22	ug/L		92
47) 1,1-dichloropropene	4.203	75	4040	1.07	ug/L		82
49) carbon tetrachloride	4.215	117	4424	1.00	ug/L		84
54) 2,2,4-trimethylpentane	4.422	57	9963	1.20	ug/L		91
55) benzene	4.349	78	11755	1.10	ug/L		87
56) tert-amyl methyl ether	4.410	87	2447	1.12	ug/L	#	60
57) heptane	4.532	71	2658	1.14	ug/L		93
59) 1,2-dichloroethane	4.367	62	4513	1.17	ug/L		94
60) trichloroethene	4.819	130	3375	0.93	ug/L		98
63) 2-chloroethyl vinyl ether	5.385	63	7635	4.42	ug/L		93
64) methyl methacrylate	5.020	100	824	1.03	ug/L	#	30

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174404.D
Acq On : 10 Mar 2022 2:25 pm
Operator : brittank
Sample : ic7392-1
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 19:47:03 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

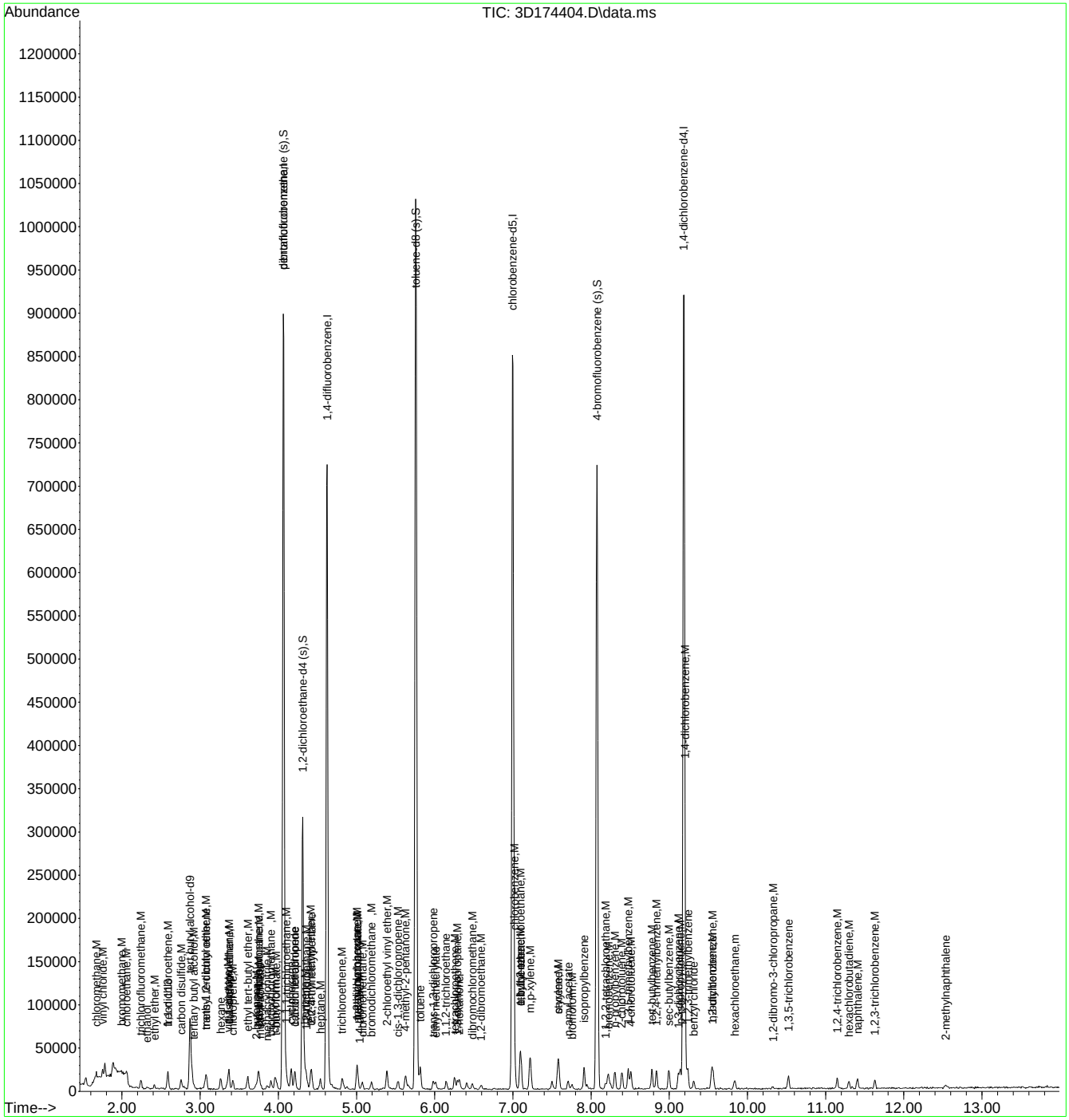
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
65) 1,2-dichloropropane	5.001	63	3129	1.10 ug/L	95
66) dibromomethane	5.075	93	2103	1.11 ug/L	86
67) methylcyclohexane	5.008	83	5074	1.00 ug/L	86
68) bromodichloromethane	5.190	83	4473	1.06 ug/L	83
70) cis-1,3-dichloropropene	5.526	75	4752	0.94 ug/L	81
71) 4-methyl-2-pentanone	5.629	58	3742	4.05 ug/L #	75
75) toluene	5.818	92	7812	1.04 ug/L #	77
76) trans-1,3-dichloropropene	5.983	75	4382	0.96 ug/L	86
77) ethyl methacrylate	6.007	69	4141	1.12 ug/L	91
78) 1,1,2-trichloroethane	6.141	83	2142	0.99 ug/L	95
79) tetrachloroethene	6.263	164	2871	0.99 ug/L	79
80) 1,3-dichloropropane	6.294	76	4652	1.08 ug/L	95
81) 2-hexanone	6.318	58	3516	4.26 ug/L	87
83) dibromochloromethane	6.483	129	3452	0.99 ug/L #	65
84) 1,2-dibromoethane	6.593	107	2885	0.97 ug/L	95
85) n-butyl ether	7.092	57	13410	1.15 ug/L	97
86) chlorobenzene	7.025	112	9611	1.09 ug/L	97
87) 1,1,1,2-tetrachloroethane	7.099	131	3336	1.01 ug/L	83
88) ethylbenzene	7.105	91	15695	1.14 ug/L	94
89) m,p-xylene	7.227	106	12601	2.08 ug/L	93
90) o-xylene	7.574	106	6098	0.98 ug/L	98
91) styrene	7.586	104	10476	1.01 ug/L	93
92) bromoform	7.757	173	2211	0.85 ug/L	91
94) n-amyl acetate	7.708	70	2539	1.15 ug/L #	79
95) isopropylbenzene	7.909	105	16385	1.04 ug/L	97
99) bromobenzene	8.214	156	4041	1.16 ug/L	93
100) 1,1,2,2-tetrachloroethane	8.184	83	3471	1.23 ug/L	87
103) n-propylbenzene	8.306	91	16382	1.11 ug/L	90
104) 2-chlorotoluene	8.397	126	3608	1.02 ug/L	91
105) 4-chlorotoluene	8.513	126	4388	1.17 ug/L	86
106) 1,3,5-trimethylbenzene	8.476	105	11697	1.03 ug/L	97
107) tert-butylbenzene	8.775	134	3362	1.16 ug/L #	85
108) 1,2,4-trimethylbenzene	8.836	105	12460	1.07 ug/L	95
109) sec-butylbenzene	8.995	105	14992	1.04 ug/L	97
110) 1,3-dichlorobenzene	9.116	146	6601	0.91 ug/L	84
111) p-isopropyltoluene	9.147	119	12473	1.00 ug/L	90
112) 1,4-dichlorobenzene	9.208	146	6598	0.93 ug/L	91
113) 1,2,3-trimethylbenzene	9.238	105	12093	1.06 ug/L	98
114) benzyl chloride	9.312	91	6446	1.01 ug/L	93
115) 1,2-dichlorobenzene	9.562	146	6616	0.98 ug/L	86
116) n-butylbenzene	9.543	92	5518	0.95 ug/L	95
117) 1,2-dibromo-3-chloropr...	10.330	157	729	0.95 ug/L	80
118) 1,3,5-trichlorobenzene	10.519	180	4495	0.91 ug/L	97
119) 1,2,4-trichlorobenzene	11.147	180	4129	1.05 ug/L	87
120) hexachlorobutadiene	11.299	225	1268	0.81 ug/L	69
121) naphthalene	11.409	128	8991	0.99 ug/L	97
122) 1,2,3-trichlorobenzene	11.634	180	2841	0.85 ug/L	84
123) hexachloroethane	9.836	201	1743	0.91 ug/L #	79
124) 2-methylnaphthalene	12.537	142	2005	0.43 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174404.D
Acq On : 10 Mar 2022 2:25 pm
Operator : brittank
Sample : ic7392-1
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 19:47:03 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174405.D
Acq On : 10 Mar 2022 2:48 pm
Operator : brittank
Sample : ic7392-2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:48:10 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.868	65	73370	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	351023	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	500421	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	461739	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	233596	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	153460	51.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.12%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	171626	55.25	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 110.50%				
74) toluene-d8 (s)	5.758	98	607570	54.74	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.48%				
98) 4-bromofluorobenzene (s)	8.074	95	221036	57.73	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 115.46%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.923	59	2336	11.04	ug/L		68
3) ethanol	2.319	45	3427	336.93	ug/L		99
4) 1,4-dioxane	5.050	88	646	53.41	ug/L		91
7) dichlorodifluoromethane	1.527	85	7600	2.23	ug/L		95
8) chloromethane	1.673	50	7444	2.35	ug/L		91
9) vinyl chloride	1.752	62	7735	2.12	ug/L		93
11) bromomethane	1.990	94	2302	1.75	ug/L		96
12) chloroethane	2.063	64	5996	2.74	ug/L		86
13) trichlorofluoromethane	2.240	101	11446	2.32	ug/L		88
14) ethyl ether	2.417	74	3769	2.33	ug/L		97
15) acrolein	2.502	56	1191	2.54	ug/L	#	4
16) freon 113	2.594	151	5508	2.24	ug/L	#	75
17) 1,1-dichloroethene	2.587	96	5471	2.29	ug/L		90
18) acetone	2.581	58	1426	7.63	ug/L		90
20) iodomethane	2.685	142	1856	0.77	ug/L		78
21) carbon disulfide	2.752	76	15604	2.29	ug/L		97
22) methylene chloride	2.892	84	7348	2.55	ug/L		93
24) methyl tert butyl ether	3.063	73	17468	2.18	ug/L		94
25) trans-1,2-dichloroethene	3.081	96	6344	2.29	ug/L		94
26) di-isopropyl ether	3.368	45	17896	2.31	ug/L		99
27) 2-butanone	3.715	72	2241	7.36	ug/L	#	51
28) 1,1-dichloroethane	3.362	63	11272	2.40	ug/L		97
29) chloroprene	3.417	53	8968	2.19	ug/L		82
31) hexane	3.264	56	5455	2.20	ug/L		89
32) vinyl acetate	3.343	86	1346	1.77	ug/L	#	85
33) ethyl tert-butyl ether	3.606	59	18776	2.13	ug/L		95
34) ethyl acetate	3.728	45	870	2.37	ug/L	#	52
35) 2,2-dichloropropane	3.752	77	10767	2.39	ug/L		91
36) cis-1,2-dichloroethene	3.746	96	6931	2.19	ug/L		87
37) methyl acrylate	3.770	85	971	2.11	ug/L	#	81
38) propionitrile	3.746	54	6590	21.44	ug/L		82
39) bromochloromethane	3.904	128	3089	1.79	ug/L		84
41) chloroform	3.959	85	7884	2.31	ug/L		88
42) t-butyl formate	3.977	59	6558	2.26	ug/L		86
44) methacrylonitrile	3.856	67	2237	1.94	ug/L		86
45) 1,1,1-trichloroethane	4.099	97	10097	2.04	ug/L		87
46) cyclohexane	4.166	84	9820	2.14	ug/L		94
47) 1,1-dichloropropene	4.203	75	8449	2.19	ug/L		96
49) carbon tetrachloride	4.215	117	8875	1.96	ug/L		92
53) n-butyl alcohol	4.679	56	4436	113.47	ug/L		89
54) 2,2,4-trimethylpentane	4.423	57	19364	2.36	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174405.D
Acq On : 10 Mar 2022 2:48 pm
Operator : brittank
Sample : ic7392-2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:48:10 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) benzene	4.349	78	23416	2.23	ug/L		94
56) tert-amyl methyl ether	4.416	87	4330	2.01	ug/L		94
57) heptane	4.538	71	5113	2.23	ug/L		93
59) 1,2-dichloroethane	4.362	62	9329	2.44	ug/L		97
60) trichloroethene	4.819	130	6517	1.83	ug/L		88
62) 2-nitropropane	5.343	41	1790	2.21	ug/L		90
63) 2-chloroethyl vinyl ether	5.392	63	16475	9.66	ug/L		94
64) methyl methacrylate	5.014	100	1491	1.88	ug/L	#	89
65) 1,2-dichloropropane	5.008	63	5650	2.02	ug/L		95
66) dibromomethane	5.075	93	3734	1.99	ug/L		99
67) methylcyclohexane	5.008	83	10753	2.15	ug/L		91
68) bromodichloromethane	5.197	83	8861	2.12	ug/L		89
70) cis-1,3-dichloropropene	5.532	75	9806	1.97	ug/L		86
71) 4-methyl-2-pentanone	5.623	58	7035	7.71	ug/L		94
72) 3-methyl-1-butanol	5.660	55	4092	55.39	ug/L	#	49
75) toluene	5.812	92	16719	2.29	ug/L		94
76) trans-1,3-dichloropropene	5.977	75	8892	1.99	ug/L		97
77) ethyl methacrylate	6.008	69	8028	2.23	ug/L		98
78) 1,1,2-trichloroethane	6.148	83	4486	2.13	ug/L		89
79) tetrachloroethene	6.251	164	6075	2.14	ug/L		95
80) 1,3-dichloropropane	6.288	76	9212	2.20	ug/L		93
81) 2-hexanone	6.312	58	7120	8.84	ug/L	#	82
82) butyl acetate	6.404	56	3738	2.36	ug/L		94
83) dibromochloromethane	6.483	129	6683	1.96	ug/L		90
84) 1,2-dibromoethane	6.587	107	5578	1.93	ug/L		81
85) n-butyl ether	7.093	57	28545	2.52	ug/L		93
86) chlorobenzene	7.026	112	17934	2.09	ug/L		98
87) 1,1,1,2-tetrachloroethane	7.099	131	6043	1.88	ug/L		87
88) ethylbenzene	7.105	91	30223	2.26	ug/L		92
89) m,p-xylene	7.221	106	25134	4.25	ug/L		94
90) o-xylene	7.574	106	12215	2.01	ug/L		98
91) styrene	7.587	104	19897	1.96	ug/L		93
92) bromoform	7.757	173	4129	1.62	ug/L		92
94) n-amyl acetate	7.702	70	4232	1.96	ug/L		87
95) isopropylbenzene	7.910	105	31108	2.03	ug/L		95
96) cis-1,4-dichloro-2-butene	7.952	88	1749	1.49	ug/L	#	81
99) bromobenzene	8.221	156	7395	2.19	ug/L		98
100) 1,1,2,2-tetrachloroethane	8.184	83	6743	2.47	ug/L		73
102) 1,2,3-trichloropropane	8.251	110	1907	2.09	ug/L		95
103) n-propylbenzene	8.306	91	34553	2.42	ug/L		96
104) 2-chlorotoluene	8.391	126	7951	2.31	ug/L		92
105) 4-chlorotoluene	8.513	126	7754	2.14	ug/L		95
106) 1,3,5-trimethylbenzene	8.477	105	24706	2.24	ug/L		95
107) tert-butylbenzene	8.781	134	5912	2.11	ug/L		89
108) 1,2,4-trimethylbenzene	8.836	105	25410	2.24	ug/L		84
109) sec-butylbenzene	8.995	105	30552	2.20	ug/L		97
110) 1,3-dichlorobenzene	9.111	146	14498	2.07	ug/L		92
111) p-isopropyltoluene	9.141	119	25615	2.11	ug/L		99
112) 1,4-dichlorobenzene	9.208	146	15040	2.20	ug/L		93
113) 1,2,3-trimethylbenzene	9.239	105	25046	2.28	ug/L		88
114) benzyl chloride	9.312	91	13717	2.21	ug/L		96
115) 1,2-dichlorobenzene	9.562	146	13517	2.06	ug/L		90
116) n-butylbenzene	9.543	92	12109	2.15	ug/L		86
117) 1,2-dibromo-3-chloropr...	10.324	157	1506	2.03	ug/L		90
118) 1,3,5-trichlorobenzene	10.525	180	10244	2.14	ug/L		97
119) 1,2,4-trichlorobenzene	11.147	180	7759	2.04	ug/L		82
120) hexachlorobutadiene	11.293	225	3341	2.21	ug/L		78
121) naphthalene	11.409	128	17219	1.95	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174405.D
Acq On : 10 Mar 2022 2:48 pm
Operator : brittank
Sample : ic7392-2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:48:10 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) 1,2,3-trichlorobenzene	11.635	180	6416	1.98	ug/L	80
123) hexachloroethane	9.836	201	3590	1.93	ug/L	85
124) 2-methylnaphthalene	12.537	142	3876	0.86	ug/L	95

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

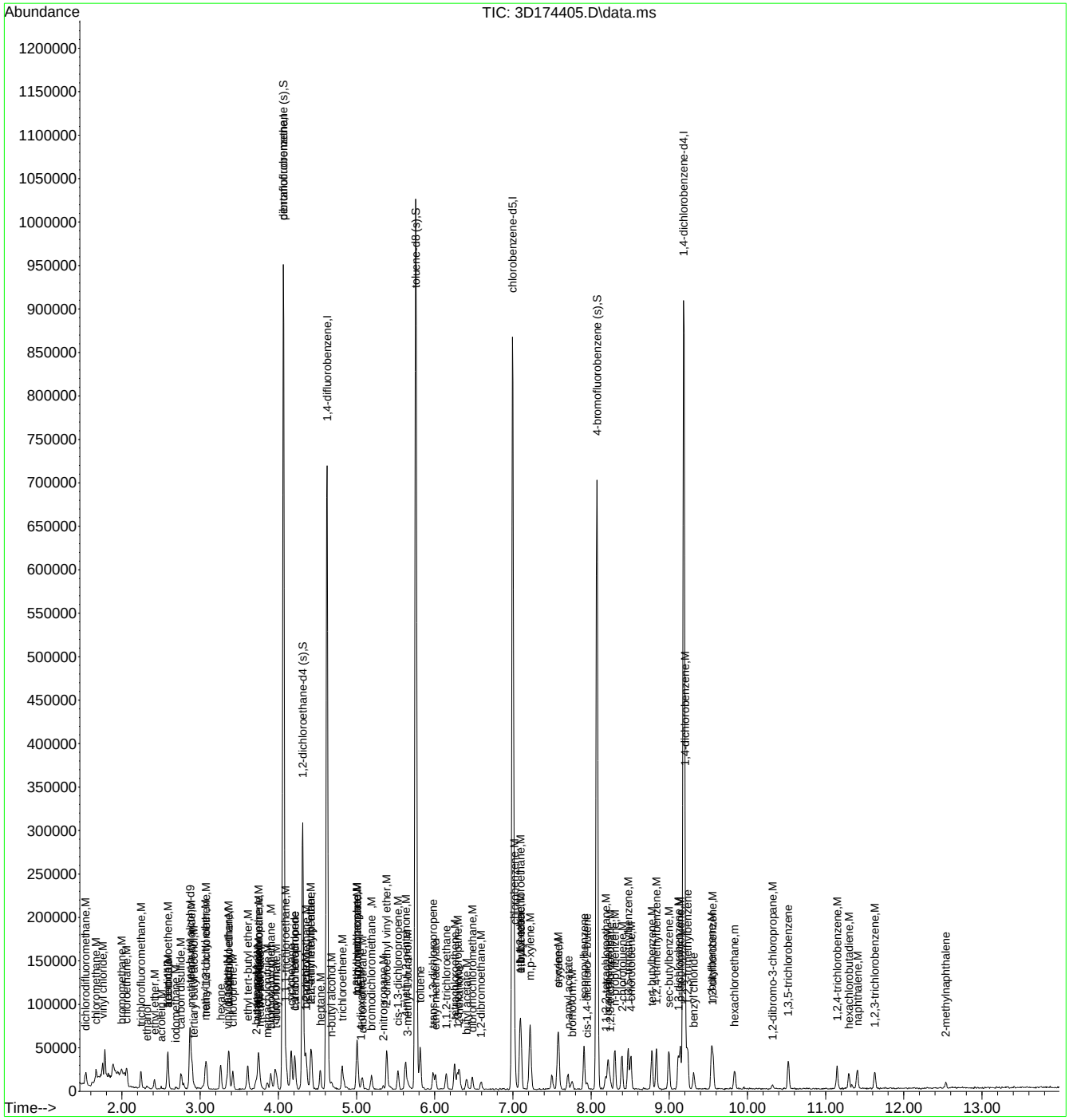
7.7.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174405.D
Acq On : 10 Mar 2022 2:48 pm
Operator : brittank
Sample : ic7392-2
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:48:10 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174406.D
Acq On : 10 Mar 2022 3:11 pm
Operator : brittank
Sample : ic7392-4
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 19:49:32 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.868	65	76138	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	347555	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	508451	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	464403	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	242681	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	154064	52.28	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.56%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	174205	55.19	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 110.38%				
74) toluene-d8 (s)	5.758	98	617045	55.27	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.54%				
98) 4-bromofluorobenzene (s)	8.074	95	225984	56.81	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.62%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.929	59	4860	22.14	ug/L		72
3) ethanol	2.319	45	5733	543.16	ug/L		96
4) 1,4-dioxane	5.044	88	1402	111.69	ug/L		79
6) chlorodifluoromethane	1.539	51	13967	4.86	ug/L		93
7) dichlorodifluoromethane	1.533	85	15394	4.57	ug/L		93
8) chloromethane	1.667	50	14979	4.78	ug/L		96
9) vinyl chloride	1.752	62	15914	4.41	ug/L		96
10) 1,3-butadiene	1.783	54	19752	6.05	ug/L		90
11) bromomethane	1.990	94	4877	3.73	ug/L		94
12) chloroethane	2.063	64	10807	4.99	ug/L		97
13) trichlorofluoromethane	2.246	101	23638	4.84	ug/L		86
14) ethyl ether	2.417	74	7766	4.84	ug/L		88
15) acrolein	2.502	56	2161	4.66	ug/L		89
16) freon 113	2.587	151	11474	4.72	ug/L	#	88
17) 1,1-dichloroethene	2.587	96	12489	5.28	ug/L		96
18) acetone	2.587	58	3784	20.46	ug/L		87
20) iodomethane	2.691	142	4428	1.85	ug/L		69
21) carbon disulfide	2.752	76	33159	4.91	ug/L		98
22) methylene chloride	2.898	84	14844	5.21	ug/L		91
23) methyl acetate	2.789	43	9633	5.55	ug/L		95
24) methyl tert butyl ether	3.063	73	38258	4.83	ug/L		94
25) trans-1,2-dichloroethene	3.081	96	13628	4.97	ug/L		99
26) di-isopropyl ether	3.368	45	39391	5.13	ug/L		93
27) 2-butanone	3.709	72	6035	20.02	ug/L	#	76
28) 1,1-dichloroethane	3.362	63	23215	4.98	ug/L		98
29) chloroprene	3.417	53	19157	4.72	ug/L		94
30) acrylonitrile	3.026	53	3851	4.47	ug/L		83
31) hexane	3.264	56	12233	4.99	ug/L		86
32) vinyl acetate	3.343	86	3410	4.54	ug/L	#	89
33) ethyl tert-butyl ether	3.606	59	39991	4.59	ug/L		96
34) ethyl acetate	3.734	45	1913	5.26	ug/L	#	22
35) 2,2-dichloropropane	3.752	77	22168	4.97	ug/L		98
36) cis-1,2-dichloroethene	3.740	96	14746	4.72	ug/L		90
37) methyl acrylate	3.776	85	2396	5.26	ug/L	#	87
38) propionitrile	3.746	54	16238	53.36	ug/L		93
39) bromochloromethane	3.904	128	7228	4.23	ug/L		88
41) chloroform	3.959	85	17297	5.12	ug/L		93
42) t-butyl formate	3.977	59	13326	4.65	ug/L		97
44) methacrylonitrile	3.856	67	6003	5.25	ug/L		83
45) 1,1,1-trichloroethane	4.099	97	22977	4.70	ug/L		89
46) cyclohexane	4.166	84	19406	4.26	ug/L	#	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174406.D
Acq On : 10 Mar 2022 3:11 pm
Operator : brittank
Sample : ic7392-4
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 19:49:32 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 1,1-dichloropropene	4.209	75	18260	4.79	ug/L		91
48) iso-butyl alcohol	4.197	43	3141	52.15	ug/L	#	73
49) carbon tetrachloride	4.215	117	20055	4.48	ug/L		87
50) tert amyl alcohol	4.301	55	1462	20.83	ug/L	#	80
53) n-butyl alcohol	4.679	56	10553	265.67	ug/L		94
54) 2,2,4-trimethylpentane	4.422	57	40850	4.91	ug/L		98
55) benzene	4.349	78	52959	4.95	ug/L		95
56) tert-amyl methyl ether	4.416	87	10350	4.72	ug/L		90
57) heptane	4.538	71	10503	4.50	ug/L		92
58) isopropyl acetate	4.325	87	3136	4.58	ug/L	#	80
59) 1,2-dichloroethane	4.368	62	18823	4.85	ug/L		94
60) trichloroethene	4.813	130	14855	4.10	ug/L		97
61) ethyl acrylate	4.831	55	16157	5.01	ug/L		94
62) 2-nitropropane	5.337	41	3932	4.78	ug/L		87
63) 2-chloroethyl vinyl ether	5.386	63	38899	22.44	ug/L		94
64) methyl methacrylate	5.014	100	3713	4.61	ug/L	#	92
65) 1,2-dichloropropane	5.008	63	13860	4.88	ug/L		93
66) dibromomethane	5.069	93	9188	4.82	ug/L		98
67) methylcyclohexane	5.008	83	23903	4.71	ug/L		93
68) bromodichloromethane	5.191	83	19055	4.49	ug/L		96
70) cis-1,3-dichloropropene	5.526	75	23032	4.55	ug/L		99
71) 4-methyl-2-pentanone	5.623	58	17262	18.61	ug/L	#	81
72) 3-methyl-1-butanol	5.654	55	8087	107.73	ug/L		84
75) toluene	5.812	92	36116	4.92	ug/L		94
76) trans-1,3-dichloropropene	5.977	75	20181	4.50	ug/L		98
77) ethyl methacrylate	6.008	69	18095	5.00	ug/L		99
78) 1,1,2-trichloroethane	6.148	83	10591	4.99	ug/L	#	80
79) tetrachloroethene	6.251	164	13600	4.77	ug/L		91
80) 1,3-dichloropropane	6.288	76	21000	4.98	ug/L		94
81) 2-hexanone	6.312	58	16659	20.56	ug/L		98
82) butyl acetate	6.410	56	8421	5.30	ug/L		90
83) dibromochloromethane	6.483	129	14157	4.14	ug/L		88
84) 1,2-dibromoethane	6.593	107	12642	4.35	ug/L		93
85) n-butyl ether	7.087	57	58216	5.11	ug/L		96
86) chlorobenzene	7.026	112	40588	4.69	ug/L		96
87) 1,1,1,2-tetrachloroethane	7.099	131	14771	4.56	ug/L		84
88) ethylbenzene	7.105	91	68438	5.09	ug/L		99
89) m,p-xylene	7.221	106	57220	9.61	ug/L		98
90) o-xylene	7.574	106	27663	4.53	ug/L		86
91) styrene	7.586	104	45819	4.50	ug/L		96
92) bromoform	7.751	173	9591	3.75	ug/L		88
93) butyl acrylate	7.495	55	24957	4.76	ug/L		97
94) n-amyl acetate	7.702	70	9689	4.46	ug/L	#	85
95) isopropylbenzene	7.910	105	66951	4.34	ug/L		98
96) cis-1,4-dichloro-2-butene	7.952	88	4164	3.52	ug/L		89
99) bromobenzene	8.221	156	17075	4.87	ug/L		94
100) 1,1,2,2-tetrachloroethane	8.178	83	14386	5.08	ug/L		96
101) trans-1,4-dichloro-2-b...	8.208	53	3183	5.09	ug/L	#	45
102) 1,2,3-trichloropropane	8.239	110	4950	5.23	ug/L		80
103) n-propylbenzene	8.306	91	79610	5.36	ug/L		91
104) 2-chlorotoluene	8.391	126	18213	5.09	ug/L		98
105) 4-chlorotoluene	8.507	126	16964	4.50	ug/L	#	73
106) 1,3,5-trimethylbenzene	8.477	105	57151	4.99	ug/L		90
107) tert-butylbenzene	8.775	134	13818	4.74	ug/L		92
108) 1,2,4-trimethylbenzene	8.836	105	58282	4.95	ug/L		88
109) sec-butylbenzene	8.995	105	71237	4.93	ug/L		94
110) 1,3-dichlorobenzene	9.117	146	32228	4.42	ug/L		99
111) p-isopropyltoluene	9.141	119	59452	4.71	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174406.D
Acq On : 10 Mar 2022 3:11 pm
Operator : brittank
Sample : ic7392-4
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 19:49:32 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

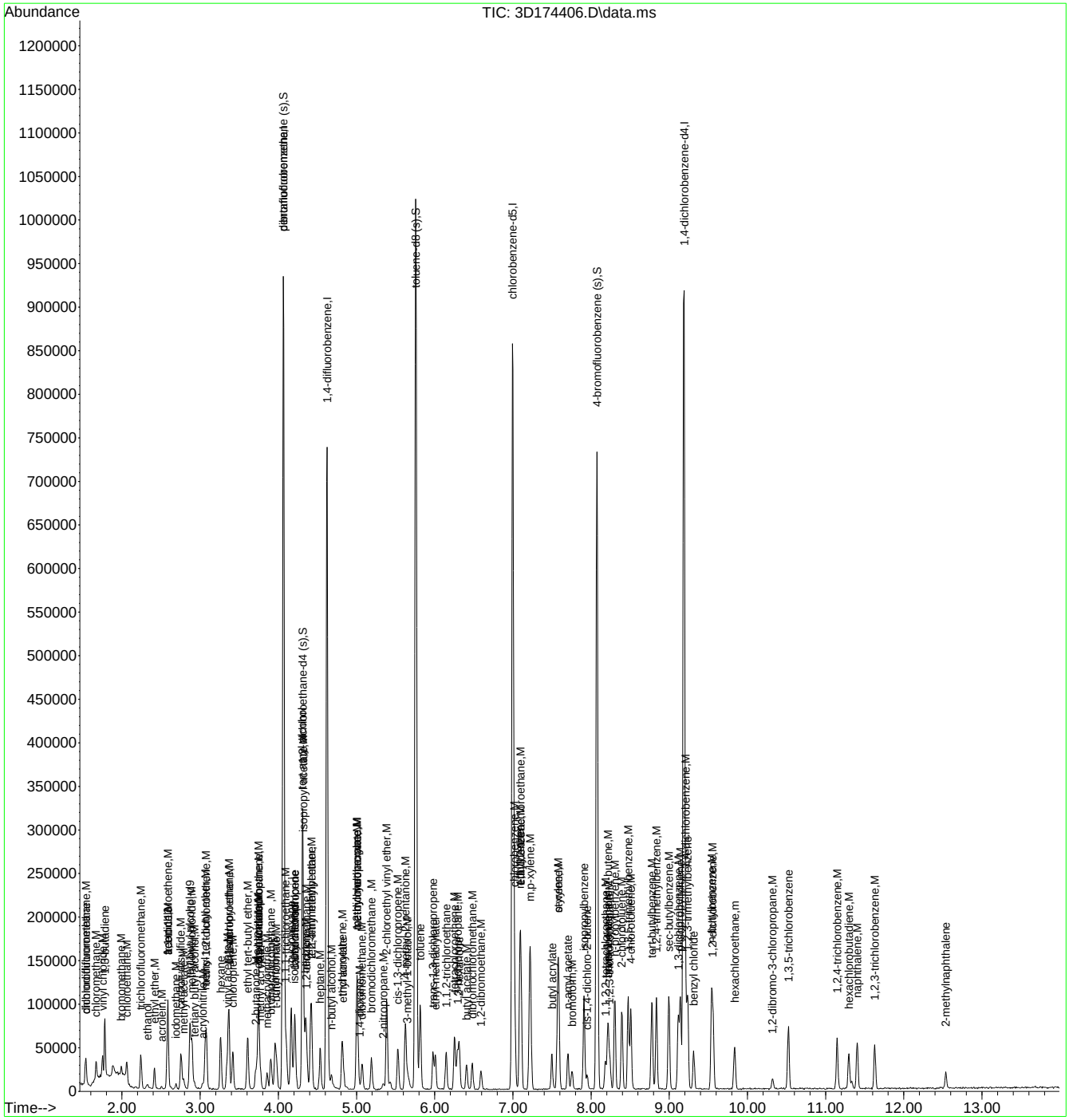
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,4-dichlorobenzene	9.214	146	32370	4.55	ug/L	98
113) 1,2,3-trimethylbenzene	9.239	105	57172	5.00	ug/L	91
114) benzyl chloride	9.312	91	29367	4.55	ug/L	88
115) 1,2-dichlorobenzene	9.562	146	31702	4.66	ug/L	94
116) n-butylbenzene	9.543	92	27031	4.63	ug/L	92
117) 1,2-dibromo-3-chloropr...	10.318	157	3439	4.46	ug/L	92
118) 1,3,5-trichlorobenzene	10.525	180	21421	4.31	ug/L	98
119) 1,2,4-trichlorobenzene	11.147	180	17352	4.39	ug/L	97
120) hexachlorobutadiene	11.299	225	6641	4.22	ug/L	85
121) naphthalene	11.403	128	41068	4.48	ug/L	96
122) 1,2,3-trichlorobenzene	11.628	180	14981	4.46	ug/L	89
123) hexachloroethane	9.836	201	7793	4.03	ug/L	89
124) 2-methylnaphthalene	12.537	142	9004	1.93	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174406.D
Acq On : 10 Mar 2022 3:11 pm
Operator : brittank
Sample : ic7392-4
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 19:49:32 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174407.D
Acq On : 10 Mar 2022 3:35 pm
Operator : brittank
Sample : ic7392-8
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 18:13:35 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.874	65	81538	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	358477	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	522459	50.00	ug/L		0.00
73) chlorobenzene-d5	7.001	117	482634	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.184	152	251826	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	157428	51.79	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.58%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	179883	55.46	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 110.92%				
74) toluene-d8 (s)	5.757	98	635554	54.78	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 109.56%				
98) 4-bromofluorobenzene (s)	8.074	95	236575	57.31	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 114.62%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.929	59	9900	42.11	ug/L		85
3) ethanol	2.319	45	12645	1118.68	ug/L		93
4) 1,4-dioxane	5.050	88	3482	259.03	ug/L		87
6) chlorodifluoromethane	1.545	51	25646	8.65	ug/L		99
7) dichlorodifluoromethane	1.533	85	28296	8.15	ug/L		99
8) chloromethane	1.673	50	28915	8.94	ug/L		97
9) vinyl chloride	1.752	62	31174	8.38	ug/L		96
10) 1,3-butadiene	1.783	54	32341	9.60	ug/L		96
11) bromomethane	1.990	94	8341	6.19	ug/L		97
12) chloroethane	2.063	64	20489	9.17	ug/L		99
13) trichlorofluoromethane	2.246	101	43926	8.72	ug/L		95
14) ethyl ether	2.417	74	15262	9.23	ug/L		93
15) acrolein	2.502	56	3801	7.94	ug/L		86
16) freon 113	2.581	151	22857	9.12	ug/L		96
17) 1,1-dichloroethene	2.587	96	21922	8.99	ug/L		86
18) acetone	2.587	58	7240	37.95	ug/L		97
19) acetonitrile	2.764	41	26663	103.81	ug/L		98
20) iodomethane	2.691	142	10419	4.22	ug/L		96
21) carbon disulfide	2.752	76	63764	9.16	ug/L		98
22) methylene chloride	2.898	84	26505	9.02	ug/L		95
23) methyl acetate	2.789	43	16594	9.28	ug/L		95
24) methyl tert butyl ether	3.063	73	73244	8.96	ug/L		98
25) trans-1,2-dichloroethene	3.081	96	25960	9.18	ug/L		96
26) di-isopropyl ether	3.368	45	71970	9.08	ug/L		96
27) 2-butanone	3.709	72	10960	35.25	ug/L		88
28) 1,1-dichloroethane	3.362	63	42939	8.94	ug/L		97
29) chloroprene	3.416	53	37745	9.01	ug/L		93
30) acrylonitrile	3.032	53	7243	8.14	ug/L		86
31) hexane	3.264	56	22062	8.72	ug/L		98
32) vinyl acetate	3.337	86	6037	7.79	ug/L		97
33) ethyl tert-butyl ether	3.605	59	80616	8.96	ug/L		95
34) ethyl acetate	3.721	45	3786	10.09	ug/L	#	37
35) 2,2-dichloropropane	3.752	77	42669	9.27	ug/L		98
36) cis-1,2-dichloroethene	3.740	96	28091	8.71	ug/L		95
37) methyl acrylate	3.770	85	4202	8.94	ug/L		96
38) propionitrile	3.746	54	30406	96.87	ug/L		94
39) bromochloromethane	3.904	128	14573	8.27	ug/L		86
40) tetrahydrofuran	3.916	42	7118	11.24	ug/L		93
41) chloroform	3.959	85	31791	9.12	ug/L		99
42) t-butyl formate	3.977	59	25353	8.57	ug/L		95
44) methacrylonitrile	3.855	67	10218	8.67	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174407.D
Acq On : 10 Mar 2022 3:35 pm
Operator : brittank
Sample : ic7392-8
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 18:13:35 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,1-trichloroethane	4.099	97	43135	8.55	ug/L		96
46) cyclohexane	4.166	84	39084	8.32	ug/L		91
47) 1,1-dichloropropene	4.209	75	33353	8.48	ug/L		97
48) iso-butyl alcohol	4.203	43	5877	94.61	ug/L	#	62
49) carbon tetrachloride	4.215	117	39620	8.59	ug/L		97
50) tert amyl alcohol	4.300	55	4092	56.52	ug/L	#	84
53) n-butyl alcohol	4.678	56	18936	463.92	ug/L		91
54) 2,2,4-trimethylpentane	4.422	57	76670	8.97	ug/L		99
55) benzene	4.349	78	97918	8.91	ug/L		99
56) tert-amyl methyl ether	4.416	87	19139	8.50	ug/L		95
57) heptane	4.532	71	20411	8.51	ug/L		92
58) isopropyl acetate	4.325	87	6328	8.99	ug/L	#	56
59) 1,2-dichloroethane	4.368	62	36366	9.11	ug/L		96
60) trichloroethene	4.819	130	28966	7.77	ug/L		97
61) ethyl acrylate	4.831	55	30309	9.14	ug/L		93
62) 2-nitropropane	5.343	41	8391	9.93	ug/L		94
63) 2-chloroethyl vinyl ether	5.386	63	78712	44.19	ug/L		96
64) methyl methacrylate	5.008	100	7023	8.48	ug/L	#	53
65) 1,2-dichloropropane	5.008	63	24991	8.56	ug/L		96
66) dibromomethane	5.069	93	16864	8.60	ug/L		96
67) methylcyclohexane	5.008	83	46774	8.97	ug/L		87
68) bromodichloromethane	5.191	83	36369	8.34	ug/L		98
69) epichlorohydrin	5.428	57	11710	47.16	ug/L		82
70) cis-1,3-dichloropropene	5.532	75	42265	8.12	ug/L		96
71) 4-methyl-2-pentanone	5.623	58	33636	35.29	ug/L		90
72) 3-methyl-1-butanol	5.648	55	15481	200.70	ug/L		93
75) toluene	5.818	92	68491	8.97	ug/L		96
76) trans-1,3-dichloropropene	5.977	75	39777	8.54	ug/L		97
77) ethyl methacrylate	6.007	69	34038	9.05	ug/L		96
78) 1,1,2-trichloroethane	6.148	83	20488	9.29	ug/L		92
79) tetrachloroethene	6.257	164	26782	9.04	ug/L		92
80) 1,3-dichloropropane	6.288	76	40123	9.15	ug/L		97
81) 2-hexanone	6.312	58	32406	38.48	ug/L		94
82) butyl acetate	6.404	56	15524	9.39	ug/L		98
83) dibromochloromethane	6.483	129	29163	8.20	ug/L		99
84) 1,2-dibromoethane	6.593	107	24528	8.13	ug/L		93
85) n-butyl ether	7.087	57	114983	9.71	ug/L		96
86) chlorobenzene	7.026	112	78673	8.75	ug/L		97
87) 1,1,1,2-tetrachloroethane	7.093	131	28692	8.52	ug/L		96
88) ethylbenzene	7.105	91	133613	9.56	ug/L		93
89) m,p-xylene	7.221	106	108083	17.47	ug/L		98
90) o-xylene	7.574	106	53616	8.45	ug/L		80
91) styrene	7.586	104	89788	8.48	ug/L		97
92) bromoform	7.757	173	19694	7.40	ug/L		98
93) butyl acrylate	7.495	55	48146	8.84	ug/L		94
94) n-amyl acetate	7.702	70	19311	8.56	ug/L		93
95) isopropylbenzene	7.910	105	133860	8.35	ug/L		97
96) cis-1,4-dichloro-2-butene	7.946	88	8286	6.74	ug/L		90
99) bromobenzene	8.220	156	35375	9.72	ug/L		93
100) 1,1,2,2-tetrachloroethane	8.184	83	27926	9.51	ug/L		95
101) trans-1,4-dichloro-2-b...	8.220	53	6471	9.96	ug/L		97
102) 1,2,3-trichloropropane	8.245	110	9710	9.88	ug/L		96
103) n-propylbenzene	8.306	91	155047	10.06	ug/L		95
104) 2-chlorotoluene	8.397	126	34604	9.32	ug/L		93
105) 4-chlorotoluene	8.507	126	35078	8.97	ug/L	#	79
106) 1,3,5-trimethylbenzene	8.476	105	110363	9.28	ug/L		97
107) tert-butylbenzene	8.775	134	25344	8.39	ug/L	#	84
108) 1,2,4-trimethylbenzene	8.836	105	112497	9.21	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174407.D
Acq On : 10 Mar 2022 3:35 pm
Operator : brittank
Sample : ic7392-8
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 18:13:35 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

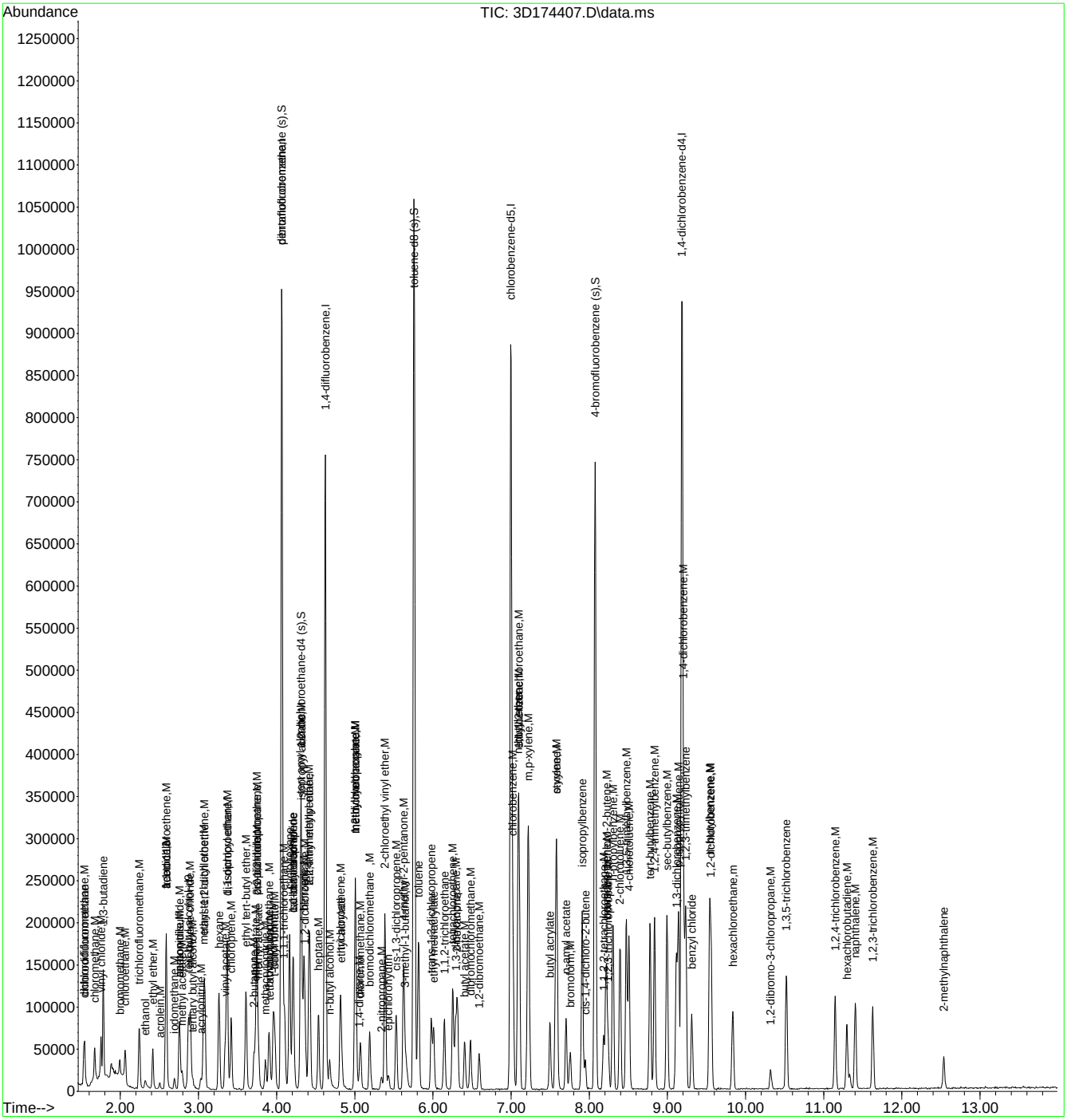
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	8.995	105	137701	9.18	ug/L	96
110) 1,3-dichlorobenzene	9.117	146	64402	8.51	ug/L	98
111) p-isopropyltoluene	9.141	119	116301	8.89	ug/L	97
112) 1,4-dichlorobenzene	9.208	146	63884	8.65	ug/L	97
113) 1,2,3-trimethylbenzene	9.232	105	111583	9.41	ug/L	96
114) benzyl chloride	9.312	91	61358	9.17	ug/L	97
115) 1,2-dichlorobenzene	9.562	146	62443	8.85	ug/L	98
116) n-butylbenzene	9.537	92	54968	9.06	ug/L	96
117) 1,2-dibromo-3-chloropr...	10.318	157	6112	7.64	ug/L	79
118) 1,3,5-trichlorobenzene	10.519	180	42470	8.23	ug/L	92
119) 1,2,4-trichlorobenzene	11.147	180	33370	8.14	ug/L	98
120) hexachlorobutadiene	11.299	225	13595	8.33	ug/L	94
121) naphthalene	11.403	128	81279	8.55	ug/L	98
122) 1,2,3-trichlorobenzene	11.628	180	28944	8.30	ug/L	93
123) hexachloroethane	9.836	201	14546	7.24	ug/L	93
124) 2-methylnaphthalene	12.537	142	18845	3.88	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174407.D
Acq On : 10 Mar 2022 3:35 pm
Operator : brittank
Sample : ic7392-8
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 18:13:35 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174408.D
Acq On : 10 Mar 2022 3:58 pm
Operator : brittank
Sample : ic7392-20
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 18:13:36 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.868	65	75553	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	361786	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	537776	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	513465	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	275509	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	155557	50.71	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.42%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	175573	52.59	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.18%				
74) toluene-d8 (s)	5.757	98	651199	52.76	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.52%				
98) 4-bromofluorobenzene (s)	8.074	95	262516	58.13	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 116.26%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.923	59	20408	93.69	ug/L		99
3) ethanol	2.319	45	24064	2297.54	ug/L		98
4) 1,4-dioxane	5.044	88	6592	529.23	ug/L		95
6) chlorodifluoromethane	1.539	51	63228	21.13	ug/L		98
7) dichlorodifluoromethane	1.533	85	71132	20.29	ug/L		98
8) chloromethane	1.667	50	69508	21.29	ug/L		98
9) vinyl chloride	1.752	62	76716	20.42	ug/L		100
10) 1,3-butadiene	1.783	54	74908	22.03	ug/L		98
11) bromomethane	1.990	94	26126	19.22	ug/L		96
12) chloroethane	2.063	64	47558	21.10	ug/L		96
13) trichlorofluoromethane	2.240	101	106111	20.88	ug/L		96
14) ethyl ether	2.417	74	34479	20.65	ug/L		96
15) acrolein	2.502	56	9783	20.25	ug/L	#	66
16) freon 113	2.581	151	54740	21.63	ug/L		98
17) 1,1-dichloroethene	2.587	96	52541	21.35	ug/L		98
18) acetone	2.587	58	17131	88.97	ug/L		88
19) acetonitrile	2.764	41	54018	208.38	ug/L		98
20) iodomethane	2.691	142	36001	14.46	ug/L		97
21) carbon disulfide	2.752	76	150621	21.44	ug/L		98
22) methylene chloride	2.898	84	63381	21.38	ug/L		99
23) methyl acetate	2.789	43	37618	20.84	ug/L		95
24) methyl tert butyl ether	3.063	73	174246	21.12	ug/L		99
25) trans-1,2-dichloroethene	3.081	96	61107	21.42	ug/L		94
26) di-isopropyl ether	3.368	45	171520	21.45	ug/L		98
27) 2-butanone	3.709	72	24939	79.47	ug/L		91
28) 1,1-dichloroethane	3.362	63	105334	21.72	ug/L		97
29) chloroprene	3.416	53	88223	20.86	ug/L		97
30) acrylonitrile	3.032	53	17358	19.33	ug/L		97
31) hexane	3.264	56	53373	20.90	ug/L		97
32) vinyl acetate	3.337	86	16276	20.81	ug/L		95
33) ethyl tert-butyl ether	3.605	59	190690	21.01	ug/L		97
34) ethyl acetate	3.727	45	8448	22.30	ug/L	#	72
35) 2,2-dichloropropane	3.752	77	99380	21.40	ug/L		99
36) cis-1,2-dichloroethene	3.740	96	67423	20.72	ug/L		98
37) methyl acrylate	3.770	85	9550	20.14	ug/L		96
38) propionitrile	3.746	54	66739	210.69	ug/L		98
39) bromochloromethane	3.904	128	34049	19.15	ug/L		97
40) tetrahydrofuran	3.916	42	14602	22.84	ug/L		90
41) chloroform	3.959	85	74351	21.14	ug/L		97
42) t-butyl formate	3.977	59	59076	19.78	ug/L		87
44) methacrylonitrile	3.855	67	24236	20.37	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174408.D
Acq On : 10 Mar 2022 3:58 pm
Operator : brittank
Sample : ic7392-20
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 18:13:36 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,1-trichloroethane	4.099	97	102587	20.15	ug/L		99
46) cyclohexane	4.166	84	95715	20.19	ug/L		97
47) 1,1-dichloropropene	4.209	75	83068	20.93	ug/L		96
48) iso-butyl alcohol	4.203	43	12636	201.56	ug/L		94
49) carbon tetrachloride	4.215	117	94887	20.38	ug/L		97
50) tert amyl alcohol	4.294	55	7483	102.41	ug/L	#	69
53) n-butyl alcohol	4.678	56	40948	974.63	ug/L		99
54) 2,2,4-trimethylpentane	4.422	57	187024	21.25	ug/L		98
55) benzene	4.349	78	236541	20.92	ug/L		99
56) tert-amyl methyl ether	4.416	87	47171	20.35	ug/L		90
57) heptane	4.538	71	50406	20.43	ug/L		98
58) isopropyl acetate	4.325	87	14536	20.06	ug/L	#	68
59) 1,2-dichloroethane	4.367	62	86087	20.96	ug/L		100
60) trichloroethene	4.819	130	72867	19.00	ug/L		95
61) ethyl acrylate	4.831	55	69439	20.34	ug/L		99
62) 2-nitropropane	5.337	41	17822	20.48	ug/L		94
63) 2-chloroethyl vinyl ether	5.386	63	187490	102.26	ug/L		98
64) methyl methacrylate	5.014	100	17202	20.19	ug/L	#	88
65) 1,2-dichloropropane	5.001	63	60374	20.08	ug/L		98
66) dibromomethane	5.069	93	39655	19.65	ug/L		95
67) methylcyclohexane	5.008	83	110370	20.57	ug/L		95
68) bromodichloromethane	5.190	83	90996	20.27	ug/L		95
69) epichlorohydrin	5.428	57	26165	102.37	ug/L		86
70) cis-1,3-dichloropropene	5.532	75	106559	19.89	ug/L		99
71) 4-methyl-2-pentanone	5.623	58	78454	79.97	ug/L		99
72) 3-methyl-1-butanol	5.648	55	33618	423.42	ug/L		89
75) toluene	5.812	92	168245	20.72	ug/L		98
76) trans-1,3-dichloropropene	5.977	75	100691	20.31	ug/L		97
77) ethyl methacrylate	6.007	69	85263	21.31	ug/L		99
78) 1,1,2-trichloroethane	6.148	83	47226	20.12	ug/L		96
79) tetrachloroethene	6.257	164	65314	20.73	ug/L		93
80) 1,3-dichloropropane	6.288	76	99457	21.32	ug/L		99
81) 2-hexanone	6.312	58	76874	85.81	ug/L		96
82) butyl acetate	6.404	56	37377	21.26	ug/L		94
83) dibromochloromethane	6.477	129	73759	19.49	ug/L		98
84) 1,2-dibromoethane	6.593	107	63845	19.88	ug/L		96
85) n-butyl ether	7.086	57	273371	21.70	ug/L		98
86) chlorobenzene	7.025	112	197090	20.61	ug/L		98
87) 1,1,1,2-tetrachloroethane	7.093	131	71294	19.91	ug/L		96
88) ethylbenzene	7.105	91	323594	21.76	ug/L		95
89) m,p-xylene	7.221	106	266665	40.51	ug/L		98
90) o-xylene	7.574	106	140584	20.83	ug/L		96
91) styrene	7.586	104	225709	20.03	ug/L		98
92) bromoform	7.757	173	49964	17.65	ug/L		99
93) butyl acrylate	7.495	55	118703	20.48	ug/L		97
94) n-amyl acetate	7.702	70	47449	19.76	ug/L		99
95) isopropylbenzene	7.909	105	343459	20.14	ug/L		99
96) cis-1,4-dichloro-2-butene	7.952	88	22923	17.53	ug/L		96
99) bromobenzene	8.220	156	90574	22.74	ug/L		95
100) 1,1,2,2-tetrachloroethane	8.184	83	73329	22.82	ug/L		98
101) trans-1,4-dichloro-2-b...	8.220	53	15822	22.27	ug/L		96
102) 1,2,3-trichloropropane	8.245	110	24268	22.58	ug/L		97
103) n-propylbenzene	8.306	91	395373	23.44	ug/L		96
104) 2-chlorotoluene	8.397	126	87193	21.47	ug/L		99
105) 4-chlorotoluene	8.507	126	91044	21.27	ug/L		87
106) 1,3,5-trimethylbenzene	8.476	105	291477	22.40	ug/L		96
107) tert-butylbenzene	8.781	134	69977	21.16	ug/L		96
108) 1,2,4-trimethylbenzene	8.836	105	295564	22.12	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174408.D
Acq On : 10 Mar 2022 3:58 pm
Operator : brittank
Sample : ic7392-20
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 18:13:36 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

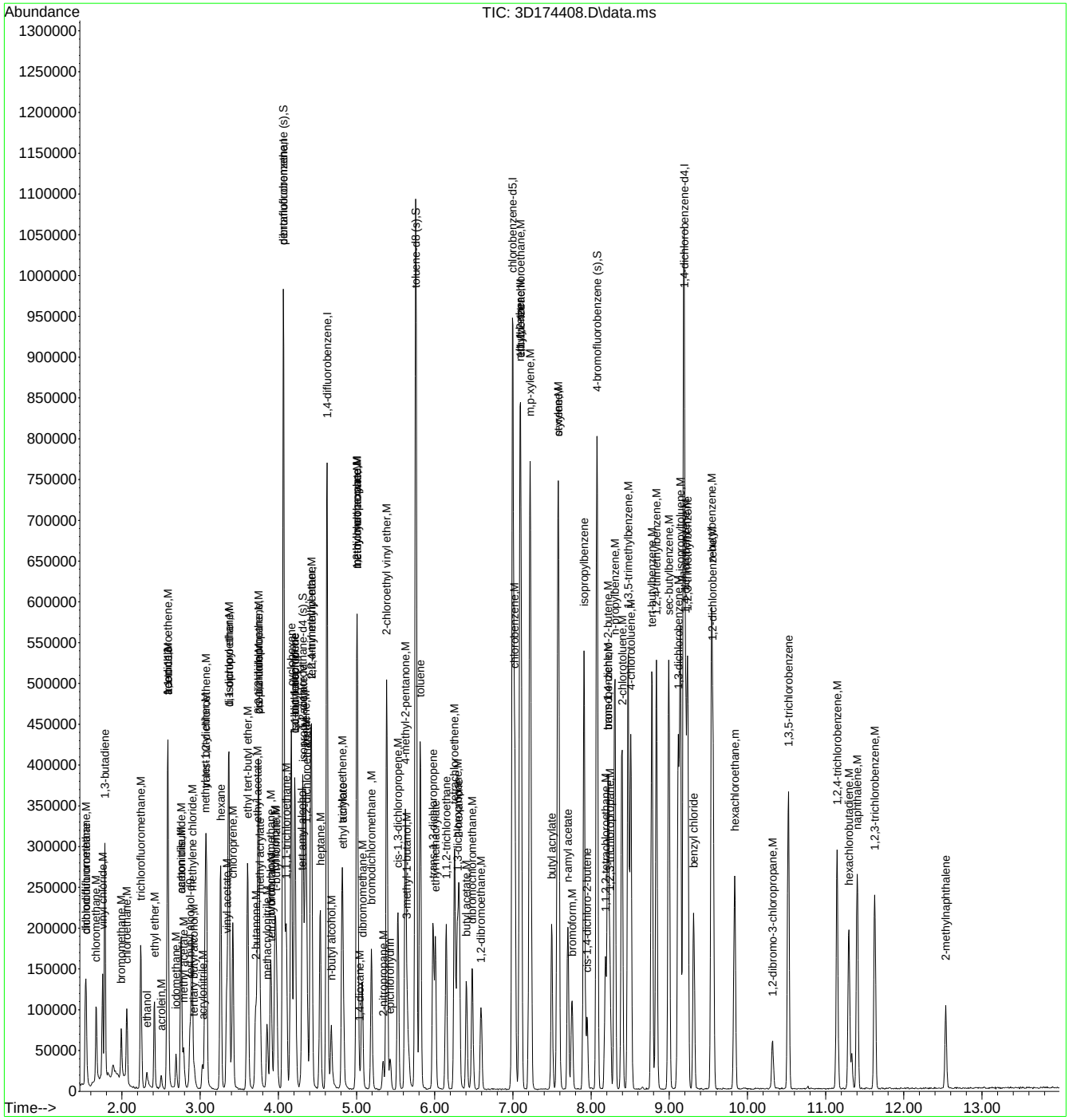
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	8.995	105	362574	22.10	ug/L	98
110) 1,3-dichlorobenzene	9.117	146	173418	20.95	ug/L	96
111) p-isopropyltoluene	9.141	119	313600	21.90	ug/L	95
112) 1,4-dichlorobenzene	9.214	146	161815	20.03	ug/L	98
113) 1,2,3-trimethylbenzene	9.232	105	277410	21.38	ug/L	93
114) benzyl chloride	9.312	91	153398	20.95	ug/L	97
115) 1,2-dichlorobenzene	9.562	146	157865	20.44	ug/L	98
116) n-butylbenzene	9.537	92	145993	22.01	ug/L	96
117) 1,2-dibromo-3-chloropr...	10.324	157	17624	20.13	ug/L	97
118) 1,3,5-trichlorobenzene	10.525	180	115376	20.44	ug/L	100
119) 1,2,4-trichlorobenzene	11.147	180	88943	19.82	ug/L	93
120) hexachlorobutadiene	11.299	225	35432	19.86	ug/L	95
121) naphthalene	11.403	128	211997	20.38	ug/L	99
122) 1,2,3-trichlorobenzene	11.628	180	75646	19.82	ug/L	96
123) hexachloroethane	9.836	201	44457	20.23	ug/L	98
124) 2-methylnaphthalene	12.537	142	47310	8.91	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174408.D
Acq On : 10 Mar 2022 3:58 pm
Operator : brittank
Sample : ic7392-20
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 18:13:36 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174409.D
Acq On : 10 Mar 2022 4:21 pm
Operator : brittank
Sample : icc7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 18:13:38 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	2.868	65	77606	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	399525	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	582272	50.00	ug/L	0.00
73) chlorobenzene-d5	7.001	117	567932	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	340284	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	169377	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	181684	50.27	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.54%			
74) toluene-d8 (s)	5.757	98	682652	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
98) 4-bromofluorobenzene (s)	8.074	95	278877	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	2.923	59	55937	250.00	ug/L	100
3) ethanol	2.319	45	53792	5000.00	ug/L	100
4) 1,4-dioxane	5.044	88	15993	1250.00	ug/L	100
6) chlorodifluoromethane	1.545	51	165239	50.00	ug/L	100
7) dichlorodifluoromethane	1.533	85	193581	50.00	ug/L	100
8) chloromethane	1.673	50	180227	50.00	ug/L	100
9) vinyl chloride	1.752	62	207399	50.00	ug/L	100
10) 1,3-butadiene	1.783	54	187773	50.00	ug/L	100
11) bromomethane	1.990	94	75068	50.00	ug/L	100
12) chloroethane	2.063	64	124477	50.00	ug/L	100
13) trichlorofluoromethane	2.240	101	280626	50.00	ug/L	100
14) ethyl ether	2.417	74	92191	50.00	ug/L	100
15) acrolein	2.502	56	26678	50.00	ug/L	100
16) freon 113	2.581	151	139737	50.00	ug/L	100
17) 1,1-dichloroethene	2.587	96	135870	50.00	ug/L	100
18) acetone	2.587	58	42525	200.00	ug/L	100
19) acetonitrile	2.764	41	143133	500.00	ug/L	100
20) iodomethane	2.691	142	137461	50.00	ug/L	100
21) carbon disulfide	2.752	76	387833	50.00	ug/L	100
22) methylene chloride	2.898	84	163715	50.00	ug/L	100
23) methyl acetate	2.789	43	99691	50.00	ug/L	100
24) methyl tert butyl ether	3.069	73	455506	50.00	ug/L	100
25) trans-1,2-dichloroethene	3.081	96	157547	50.00	ug/L	100
26) di-isopropyl ether	3.368	45	433488	49.08	ug/L	99
27) 2-butanone	3.709	72	69307	200.00	ug/L	100
28) 1,1-dichloroethane	3.362	63	267727	50.00	ug/L	100
29) chloroprene	3.416	53	233480	50.00	ug/L	100
30) acrylonitrile	3.026	53	49570	50.00	ug/L	100
31) hexane	3.264	56	141022	50.00	ug/L	100
32) vinyl acetate	3.337	86	43174	49.98	ug/L	99
33) ethyl tert-butyl ether	3.605	59	501247	50.00	ug/L	100
34) ethyl acetate	3.727	45	20913	49.99	ug/L	100
35) 2,2-dichloropropane	3.752	77	256455	50.00	ug/L	100
36) cis-1,2-dichloroethene	3.740	96	179700	50.00	ug/L	100
37) methyl acrylate	3.770	85	26184	50.01	ug/L	97
38) propionitrile	3.746	54	174906	500.00	ug/L	100
39) bromochloromethane	3.904	128	98165	50.00	ug/L	100
40) tetrahydrofuran	3.916	42	36260	51.37	ug/L	100
41) chloroform	3.959	85	194164	50.00	ug/L	100
42) t-butyl formate	3.977	59	164889	50.00	ug/L	100
44) methacrylonitrile	3.855	67	65710	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174409.D
Acq On : 10 Mar 2022 4:21 pm
Operator : brittank
Sample : icc7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 18:13:38 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,1-trichloroethane	4.099	97	281057	50.00	ug/L	100
46) cyclohexane	4.166	84	259574	49.59	ug/L	100
47) 1,1-dichloropropene	4.209	75	219152	50.00	ug/L	100
48) iso-butyl alcohol	4.203	43	33532	484.34	ug/L	100
49) carbon tetrachloride	4.215	117	257102	50.00	ug/L	100
50) tert amyl alcohol	4.294	55	19456	241.11	ug/L	100
53) n-butyl alcohol	4.678	56	113272	2490.04	ug/L	100
54) 2,2,4-trimethylpentane	4.422	57	476531	50.00	ug/L	100
55) benzene	4.349	78	612204	50.00	ug/L	100
56) tert-amyl methyl ether	4.416	87	125482	50.00	ug/L	100
57) heptane	4.538	71	133579	50.00	ug/L	100
58) isopropyl acetate	4.325	87	39795	50.72	ug/L	98
59) 1,2-dichloroethane	4.367	62	222327	50.00	ug/L	100
60) trichloroethene	4.819	130	207612	50.00	ug/L	100
61) ethyl acrylate	4.831	55	184787	50.00	ug/L	100
62) 2-nitropropane	5.337	41	46858	49.73	ug/L	99
63) 2-chloroethyl vinyl ether	5.386	63	496314	250.00	ug/L	100
64) methyl methacrylate	5.014	100	46133	50.00	ug/L	100
65) 1,2-dichloropropane	5.001	63	162755	50.00	ug/L	100
66) dibromomethane	5.069	93	109241	50.00	ug/L	100
67) methylcyclohexane	5.008	83	290430	50.00	ug/L	100
68) bromodichloromethane	5.190	83	243008	50.00	ug/L	100
69) epichlorohydrin	5.428	57	69184	250.00	ug/L	100
70) cis-1,3-dichloropropene	5.532	75	290031	50.00	ug/L	100
71) 4-methyl-2-pentanone	5.623	58	212501	200.05	ug/L	100
72) 3-methyl-1-butanol	5.648	55	86075	1001.28	ug/L	100
75) toluene	5.812	92	449072	50.00	ug/L	100
76) trans-1,3-dichloropropene	5.977	75	274114	50.00	ug/L	100
77) ethyl methacrylate	6.007	69	221280	50.00	ug/L	100
78) 1,1,2-trichloroethane	6.148	83	129781	50.00	ug/L	100
79) tetrachloroethene	6.257	164	174237	50.00	ug/L	100
80) 1,3-dichloropropane	6.288	76	257985	50.00	ug/L	100
81) 2-hexanone	6.312	58	198189	200.00	ug/L	100
82) butyl acetate	6.404	56	97224	50.00	ug/L	100
83) dibromochloromethane	6.483	129	209336	50.00	ug/L	100
84) 1,2-dibromoethane	6.593	107	177575	50.00	ug/L	100
85) n-butyl ether	7.086	57	696807	50.00	ug/L	100
86) chlorobenzene	7.025	112	528932	50.00	ug/L	100
87) 1,1,1,2-tetrachloroethane	7.093	131	198041	50.00	ug/L	100
88) ethylbenzene	7.105	91	823213	50.04	ug/L	100
89) m,p-xylene	7.221	106	728121	100.00	ug/L	100
90) o-xylene	7.574	106	373333	50.00	ug/L	100
91) styrene	7.586	104	623062	50.00	ug/L	100
92) bromoform	7.757	173	156548	50.00	ug/L	100
93) butyl acrylate	7.495	55	320549	50.00	ug/L	100
94) n-amyl acetate	7.702	70	132808	50.00	ug/L	100
95) isopropylbenzene	7.909	105	943284	50.00	ug/L	100
96) cis-1,4-dichloro-2-butene	7.952	88	72325	50.00	ug/L	100
99) bromobenzene	8.214	156	246005	50.00	ug/L	100
100) 1,1,2,2-tetrachloroethane	8.184	83	198958	50.13	ug/L	100
101) trans-1,4-dichloro-2-b...	8.220	53	43878	50.00	ug/L	100
102) 1,2,3-trichloropropane	8.245	110	66374	50.00	ug/L	100
103) n-propylbenzene	8.306	91	1042363	50.03	ug/L	100
104) 2-chlorotoluene	8.397	126	250782	50.00	ug/L	100
105) 4-chlorotoluene	8.507	126	264619	50.05	ug/L	100
106) 1,3,5-trimethylbenzene	8.476	105	803647	50.00	ug/L	100
107) tert-butylbenzene	8.781	134	204185	50.00	ug/L	100
108) 1,2,4-trimethylbenzene	8.836	105	825286	50.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174409.D
Acq On : 10 Mar 2022 4:21 pm
Operator : brittank
Sample : icc7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 18:13:38 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

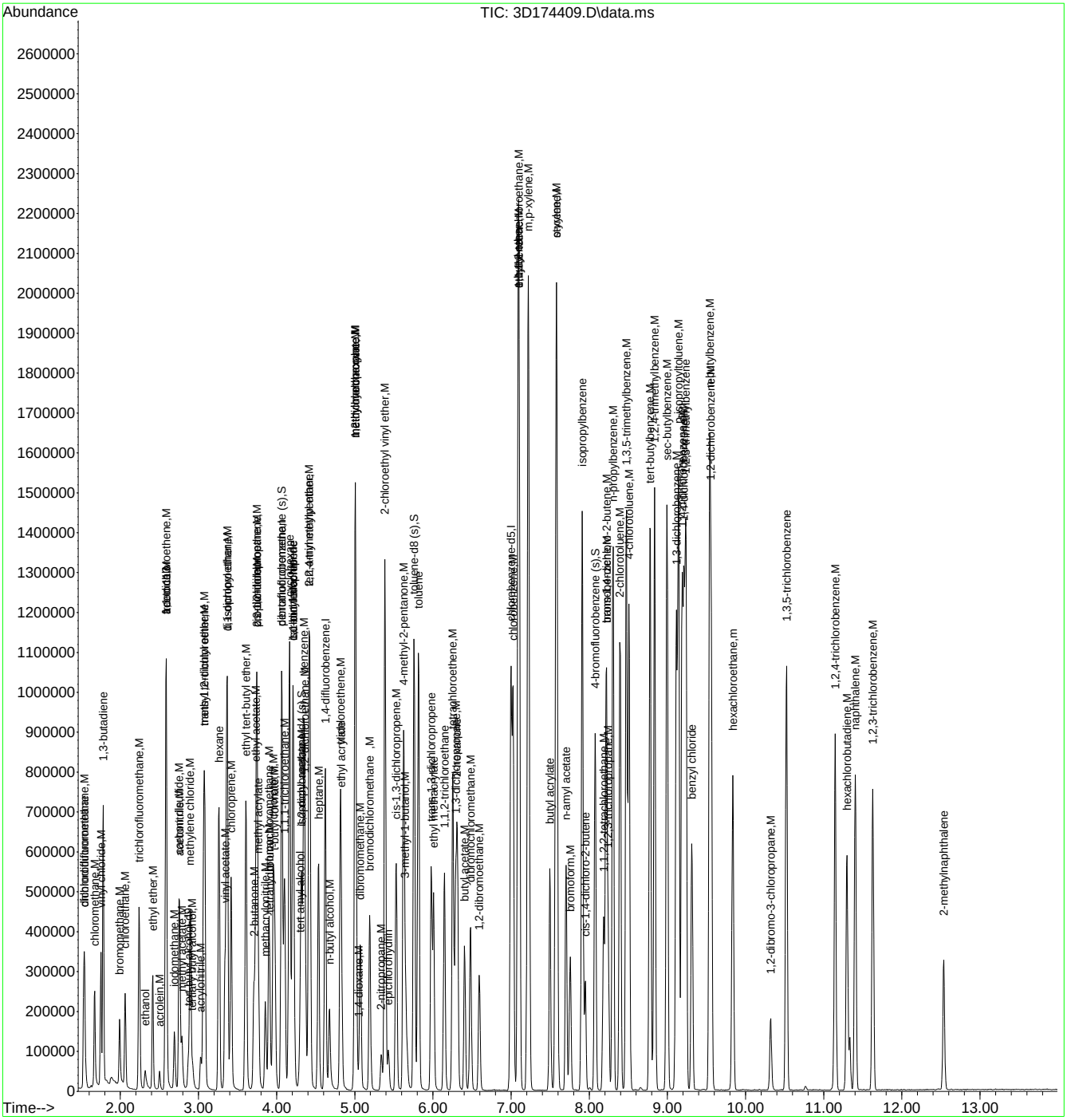
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	8.995	105	1013053	50.00	ug/L	100
110) 1,3-dichlorobenzene	9.117	146	511214	50.01	ug/L	100
111) p-isopropyltoluene	9.141	119	884371	50.00	ug/L	100
112) 1,4-dichlorobenzene	9.214	146	498995	50.01	ug/L	100
113) 1,2,3-trimethylbenzene	9.238	105	802205	50.06	ug/L	100
114) benzyl chloride	9.312	91	452099	50.00	ug/L	100
115) 1,2-dichlorobenzene	9.562	146	476867	50.00	ug/L	100
116) n-butylbenzene	9.537	92	409717	50.00	ug/L	100
117) 1,2-dibromo-3-chloropr...	10.324	157	54070	50.00	ug/L	100
118) 1,3,5-trichlorobenzene	10.525	180	348556	50.00	ug/L	100
119) 1,2,4-trichlorobenzene	11.147	180	277086	50.00	ug/L	100
120) hexachlorobutadiene	11.299	225	110205	50.00	ug/L	100
121) naphthalene	11.403	128	642496	50.00	ug/L	100
122) 1,2,3-trichlorobenzene	11.628	180	235706	50.00	ug/L	100
123) hexachloroethane	9.836	201	135737	50.00	ug/L	100
124) 2-methylnaphthalene	12.537	142	163962	25.00	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174409.D
Acq On : 10 Mar 2022 4:21 pm
Operator : brittank
Sample : icc7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 18:13:38 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174410.D
Acq On : 10 Mar 2022 4:45 pm
Operator : brittank
Sample : ic7392-100
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 18:13:39 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.874	65	73025	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	412634	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	605572	50.00	ug/L		0.00
73) chlorobenzene-d5	7.001	117	613792	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	360640	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.063	113	180803	51.68	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.36%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	187015	49.75	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.50%				
74) toluene-d8 (s)	5.758	98	724684	49.11	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.22%				
98) 4-bromofluorobenzene (s)	8.074	95	308275	52.15	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.30%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.923	59	104769	497.62	ug/L		97
3) ethanol	2.319	45	98355	9715.66	ug/L		99
4) 1,4-dioxane	5.044	88	28339	2353.90	ug/L		97
6) chlorodifluoromethane	1.539	51	352092	103.16	ug/L		97
7) dichlorodifluoromethane	1.527	85	436861	109.25	ug/L		98
8) chloromethane	1.667	50	360502	96.84	ug/L		99
9) vinyl chloride	1.752	62	413415	96.50	ug/L		98
10) 1,3-butadiene	1.783	54	379358	97.81	ug/L		97
11) bromomethane	1.990	94	214360	138.24	ug/L		98
12) chloroethane	2.063	64	262356	102.04	ug/L		99
13) trichlorofluoromethane	2.240	101	562898	97.11	ug/L		96
14) ethyl ether	2.411	74	186084	97.72	ug/L		97
15) acrolein	2.502	56	52424	95.13	ug/L		94
16) freon 113	2.581	151	278917	96.63	ug/L		97
17) 1,1-dichloroethene	2.587	96	267535	95.32	ug/L		98
18) acetone	2.587	58	76504	348.38	ug/L		89
19) acetonitrile	2.758	41	255135	862.94	ug/L		99
20) iodomethane	2.691	142	366935	129.23	ug/L		97
21) carbon disulfide	2.752	76	766792	95.72	ug/L		99
22) methylene chloride	2.898	84	332313	98.27	ug/L		97
23) methyl acetate	2.789	43	184587	89.64	ug/L		95
24) methyl tert butyl ether	3.063	73	888843	94.47	ug/L		97
25) trans-1,2-dichloroethene	3.081	96	310668	95.46	ug/L		99
26) di-isopropyl ether	3.368	45	840572	92.15	ug/L		98
27) 2-butanone	3.709	72	133391	372.70	ug/L		89
28) 1,1-dichloroethane	3.362	63	522695	94.51	ug/L		96
29) chloroprene	3.417	53	459776	95.33	ug/L		98
30) acrylonitrile	3.026	53	98286	95.99	ug/L		96
31) hexane	3.264	56	282346	96.93	ug/L		98
32) vinyl acetate	3.337	86	85250	95.55	ug/L		97
33) ethyl tert-butyl ether	3.605	59	990554	95.67	ug/L		98
34) ethyl acetate	3.727	45	41907	97.00	ug/L	#	90
35) 2,2-dichloropropane	3.752	77	513445	96.92	ug/L		96
36) cis-1,2-dichloroethene	3.740	96	363880	98.03	ug/L		96
37) methyl acrylate	3.770	85	51967	96.09	ug/L		93
38) propionitrile	3.746	54	326671	904.18	ug/L		97
39) bromochloromethane	3.904	128	203715	100.47	ug/L		96
40) tetrahydrofuran	3.916	42	65117	89.32	ug/L		96
41) chloroform	3.959	85	395205	98.54	ug/L		97
42) t-butyl formate	3.977	59	317614	93.25	ug/L		99
44) methacrylonitrile	3.855	67	123783	91.20	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174410.D
Acq On : 10 Mar 2022 4:45 pm
Operator : brittank
Sample : ic7392-100
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 18:13:39 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,1-trichloroethane	4.099	97	572081	98.54	ug/L		97
46) cyclohexane	4.166	84	525302	97.17	ug/L		98
47) 1,1-dichloropropene	4.209	75	437233	96.59	ug/L		97
48) iso-butyl alcohol	4.203	43	60477	845.79	ug/L		96
49) carbon tetrachloride	4.215	117	516419	97.24	ug/L		97
50) tert amyl alcohol	4.294	55	33702	404.39	ug/L	#	81
53) n-butyl alcohol	4.678	56	210670	4452.94	ug/L		99
54) 2,2,4-trimethylpentane	4.422	57	942119	95.05	ug/L		98
55) benzene	4.349	78	1208931	94.94	ug/L		100
56) tert-amyl methyl ether	4.416	87	252331	96.68	ug/L		98
57) heptane	4.538	71	278744	100.32	ug/L		95
58) isopropyl acetate	4.325	87	79538	97.47	ug/L		95
59) 1,2-dichloroethane	4.368	62	437567	94.62	ug/L		98
60) trichloroethene	4.819	130	423821	98.14	ug/L		98
61) ethyl acrylate	4.831	55	350921	91.30	ug/L		99
62) 2-nitropropane	5.337	41	89653	91.49	ug/L		99
63) 2-chloroethyl vinyl ether	5.386	63	973114	471.31	ug/L		97
64) methyl methacrylate	5.014	100	93110	97.03	ug/L	#	88
65) 1,2-dichloropropane	5.002	63	326633	96.48	ug/L		100
66) dibromomethane	5.069	93	215899	95.02	ug/L		95
67) methylcyclohexane	5.008	83	590217	97.70	ug/L		97
68) bromodichloromethane	5.191	83	498973	98.72	ug/L		99
69) epichlorohydrin	5.428	57	135413	470.49	ug/L		97
70) cis-1,3-dichloropropene	5.532	75	588707	97.59	ug/L		99
71) 4-methyl-2-pentanone	5.623	58	416859	377.34	ug/L		94
72) 3-methyl-1-butanol	5.648	55	169474	1895.58	ug/L		96
75) toluene	5.812	92	915309	94.30	ug/L		97
76) trans-1,3-dichloropropene	5.977	75	561563	94.78	ug/L		98
77) ethyl methacrylate	6.007	69	448108	93.69	ug/L		99
78) 1,1,2-trichloroethane	6.148	83	265307	94.58	ug/L		96
79) tetrachloroethene	6.257	164	360345	95.68	ug/L		97
80) 1,3-dichloropropane	6.288	76	516595	92.64	ug/L		98
81) 2-hexanone	6.312	58	379802	354.64	ug/L		97
82) butyl acetate	6.404	56	195033	92.81	ug/L		93
83) dibromochloromethane	6.483	129	433286	95.76	ug/L		95
84) 1,2-dibromoethane	6.593	107	356975	93.00	ug/L		98
85) n-butyl ether	7.087	57	1339920	88.96	ug/L		97
86) chlorobenzene	7.026	112	1112230	97.28	ug/L		99
87) 1,1,1,2-tetrachloroethane	7.093	131	431922	100.90	ug/L		95
88) ethylbenzene	7.105	91	1584950	89.14	ug/L		98
89) m,p-xylene	7.221	106	1447436	183.94	ug/L		89
90) o-xylene	7.574	106	775883	96.15	ug/L		91
91) styrene	7.586	104	1219855	90.58	ug/L		99
92) bromoform	7.757	173	347993	102.84	ug/L		98
93) butyl acrylate	7.495	55	638132	92.10	ug/L		96
94) n-amyl acetate	7.702	70	261335	91.04	ug/L		96
95) isopropylbenzene	7.910	105	1863890	91.42	ug/L		95
96) cis-1,4-dichloro-2-butene	7.952	88	150403	96.21	ug/L		98
99) bromobenzene	8.214	156	534580	102.52	ug/L		93
100) 1,1,2,2-tetrachloroethane	8.184	83	413746	98.36	ug/L		95
101) trans-1,4-dichloro-2-b...	8.220	53	88066	94.68	ug/L		96
102) 1,2,3-trichloropropane	8.245	110	136446	96.98	ug/L		93
103) n-propylbenzene	8.306	91	1970465	89.24	ug/L		95
104) 2-chlorotoluene	8.397	126	519172	97.67	ug/L		93
105) 4-chlorotoluene	8.507	126	530529	94.68	ug/L		93
106) 1,3,5-trimethylbenzene	8.476	105	1537939	90.28	ug/L		98
107) tert-butylbenzene	8.775	134	421289	97.34	ug/L		94
108) 1,2,4-trimethylbenzene	8.836	105	1579371	90.29	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174410.D
Acq On : 10 Mar 2022 4:45 pm
Operator : brittank
Sample : ic7392-100
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 18:13:39 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration

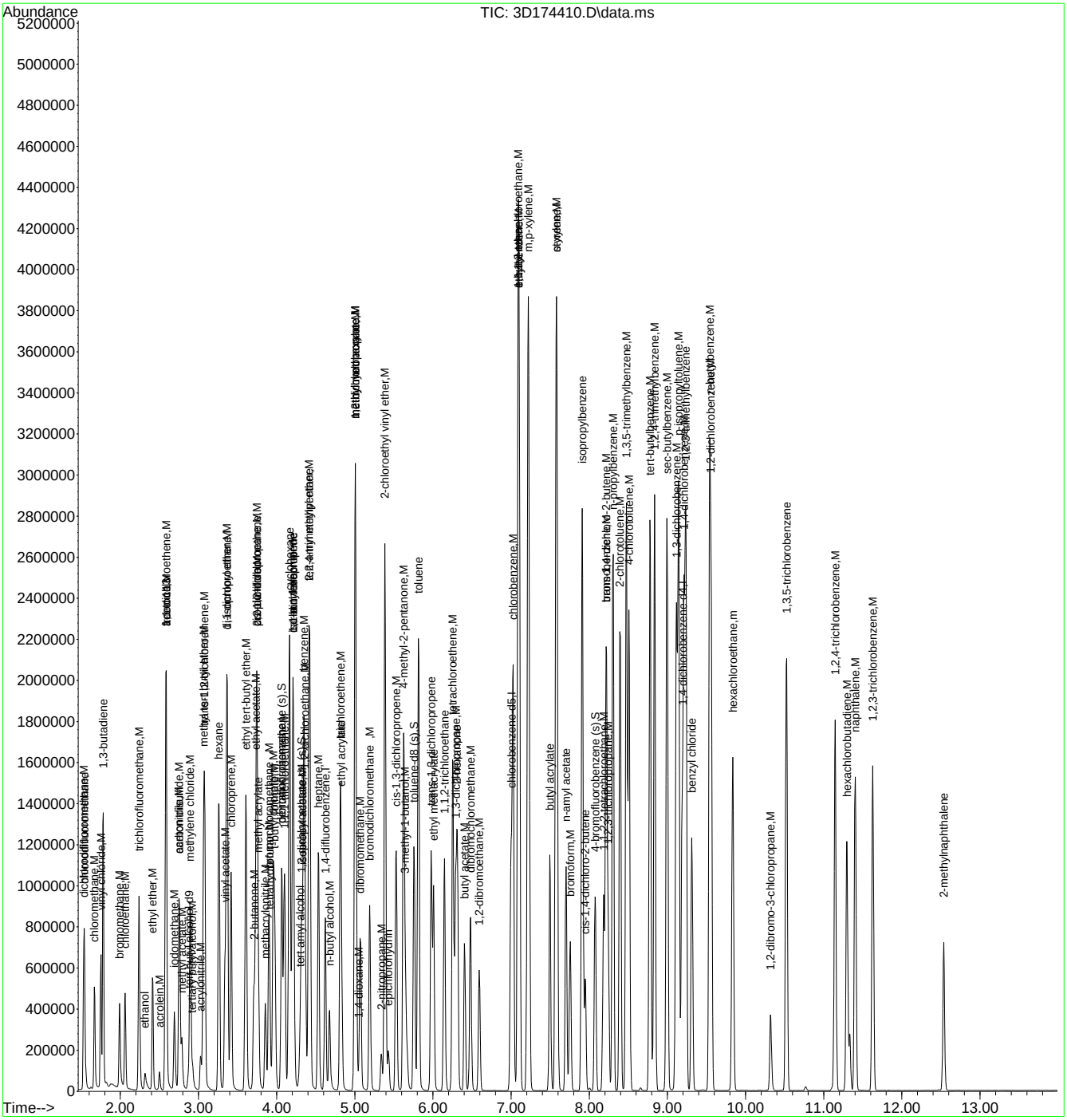
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) sec-butylbenzene	8.995	105	1938379	90.27	ug/L	97
110) 1,3-dichlorobenzene	9.117	146	1021232	94.26	ug/L	98
111) p-isopropyltoluene	9.141	119	1685402	89.91	ug/L	97
112) 1,4-dichlorobenzene	9.214	146	987516	93.39	ug/L	97
113) 1,2,3-trimethylbenzene	9.239	105	1533943	90.32	ug/L	98
114) benzyl chloride	9.312	91	873733	91.18	ug/L	98
115) 1,2-dichlorobenzene	9.562	146	940124	93.01	ug/L	99
116) n-butylbenzene	9.537	92	813734	93.70	ug/L	95
117) 1,2-dibromo-3-chloropr...	10.324	157	117821	102.80	ug/L	92
118) 1,3,5-trichlorobenzene	10.525	180	728366	98.59	ug/L	100
119) 1,2,4-trichlorobenzene	11.147	180	601943	102.49	ug/L	99
120) hexachlorobutadiene	11.299	225	229844	98.39	ug/L	98
121) naphthalene	11.403	128	1294563	95.06	ug/L	99
122) 1,2,3-trichlorobenzene	11.628	180	518134	103.71	ug/L	100
123) hexachloroethane	9.836	201	297726	103.48	ug/L	96
124) 2-methylnaphthalene	12.537	142	360387	51.85	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174410.D
Acq On : 10 Mar 2022 4:45 pm
Operator : brittank
Sample : ic7392-100
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 18:13:39 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:12:34 2022
QLast Update : Thu Mar 10 17:12:34 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174411.D
Acq On : 10 Mar 2022 5:08 pm
Operator : brittank
Sample : ic7392-200
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 19:49:53 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:23:05 2022
QLast Update : Thu Mar 10 17:24:07 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.874	65	77655	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	451576	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.624	114	647871	50.00	ug/L		0.00
73) chlorobenzene-d5	6.995	117	649688	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.190	152	359892	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.063	113	190873	48.54	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.08%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	190169	43.87	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 87.74%				
74) toluene-d8 (s)	5.758	98	751932	45.16	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.32%				
98) 4-bromofluorobenzene (s)	8.074	95	312058	47.39	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.78%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.929	59	216721	923.66	ug/L		99
4) 1,4-dioxane	5.044	88	67846	4813.54	ug/L		95
6) chlorodifluoromethane	1.539	51	718532	167.45	ug/L		94
7) dichlorodifluoromethane	1.533	85	949116	180.53	ug/L		97
8) chloromethane	1.667	50	698601	137.33	ug/L		97
9) vinyl chloride	1.752	62	806442	150.33	ug/L		96
12) chloroethane	2.063	64	541957	163.86	ug/L		98
13) trichlorofluoromethane	2.240	101	1140181	161.29	ug/L		97
14) ethyl ether	2.411	74	377361	171.02	ug/L		98
15) acrolein	2.502	56	111473	161.75	ug/L		96
16) freon 113	2.581	151	591893	176.00	ug/L		96
17) 1,1-dichloroethene	2.587	96	545278	163.95	ug/L		94
18) acetone	2.587	58	161521	568.68	ug/L		87
19) acetonitrile	2.764	41	506296	1152.22	ug/L		99
20) iodomethane	2.691	142	838300	403.27	ug/L		98
21) carbon disulfide	2.752	76	1515797	149.13	ug/L		98
22) methylene chloride	2.892	84	660235	141.11	ug/L		99
23) methyl acetate	2.789	43	366561	131.14	ug/L		94
24) methyl tert butyl ether	3.063	73	1749613	159.85	ug/L		94
25) trans-1,2-dichloroethene	3.081	96	632688	151.53	ug/L		95
26) di-isopropyl ether	3.368	45	1627220	145.25	ug/L		97
27) 2-butanone	3.709	72	286914	746.80	ug/L	#	87
28) 1,1-dichloroethane	3.362	63	1033218	151.90	ug/L		95
29) chloroprene	3.417	53	907365	156.61	ug/L		95
30) acrylonitrile	3.026	53	203323	179.27	ug/L		96
31) hexane	3.264	56	558876	156.71	ug/L		99
32) vinyl acetate	3.337	86	185641	189.20	ug/L	#	77
33) ethyl tert-butyl ether	3.606	59	1936766	162.30	ug/L		95
34) ethyl acetate	3.727	45	89558	166.07	ug/L	#	93
35) 2,2-dichloropropane	3.752	77	992580	151.83	ug/L		97
36) cis-1,2-dichloroethene	3.740	96	733530	166.27	ug/L		96
37) methyl acrylate	3.770	85	112341	173.69	ug/L		95
38) propionitrile	3.746	54	670114	1481.16	ug/L		98
39) bromochloromethane	3.904	128	440564	193.96	ug/L		93
40) tetrahydrofuran	3.916	42	142498	128.40	ug/L		95
41) chloroform	3.959	85	787562	149.44	ug/L		99
42) t-butyl formate	3.977	59	644959	163.34	ug/L		100
44) methacrylonitrile	3.856	67	274863	165.78	ug/L		98
45) 1,1,1-trichloroethane	4.099	97	1165238	169.14	ug/L		100
46) cyclohexane	4.166	84	1074808	166.47	ug/L		91
47) 1,1-dichloropropene	4.209	75	869962	165.41	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174411.D
Acq On : 10 Mar 2022 5:08 pm
Operator : brittank
Sample : ic7392-200
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 19:49:53 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:23:05 2022
QLast Update : Thu Mar 10 17:24:07 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) iso-butyl alcohol	4.203	43	130721	978.75	ug/L		94
49) carbon tetrachloride	4.215	117	1058687	179.52	ug/L		97
50) tert amyl alcohol	4.294	55	73939	546.42	ug/L		86
53) n-butyl alcohol	4.679	56	475581	8833.14	ug/L		99
54) 2,2,4-trimethylpentane	4.422	57	1851833	149.30	ug/L		96
55) benzene	4.349	78	2334125	154.20	ug/L		97
56) tert-amyl methyl ether	4.416	87	535661	185.01	ug/L	#	87
57) heptane	4.538	71	557852	165.13	ug/L		96
58) isopropyl acetate	4.325	87	171993	184.63	ug/L	#	87
59) 1,2-dichloroethane	4.368	62	867461	156.57	ug/L		98
60) trichloroethene	4.819	130	903732	202.91	ug/L		98
61) ethyl acrylate	4.831	55	713864	155.47	ug/L		98
62) 2-nitropropane	5.337	41	192317	141.15	ug/L		98
63) 2-chloroethyl vinyl ether	5.386	63	1921873	893.01	ug/L		94
64) methyl methacrylate	5.014	100	199615	193.38	ug/L	#	79
65) 1,2-dichloropropane	5.002	63	663218	173.74	ug/L		99
66) dibromomethane	5.069	93	455246	177.47	ug/L		93
67) methylcyclohexane	5.008	83	1186300	165.33	ug/L		96
68) bromodichloromethane	5.191	83	1008845	165.64	ug/L		99
69) epichlorohydrin	5.434	57	284737	894.17	ug/L		95
70) cis-1,3-dichloropropene	5.532	75	1204421	183.80	ug/L		98
71) 4-methyl-2-pentanone	5.623	58	842261	664.09	ug/L		91
72) 3-methyl-1-butanol	5.654	55	342515	2936.34	ug/L		93
75) toluene	5.812	92	1782651	157.11	ug/L		91
76) trans-1,3-dichloropropene	5.977	75	1142780	176.41	ug/L		96
77) ethyl methacrylate	6.008	69	879799	155.15	ug/L		99
78) 1,1,2-trichloroethane	6.148	83	551572	170.10	ug/L		95
79) tetrachloroethene	6.257	164	743778	176.86	ug/L		96
80) 1,3-dichloropropane	6.288	76	1047116	162.39	ug/L		99
81) 2-hexanone	6.312	58	764748	610.47	ug/L		94
82) butyl acetate	6.404	56	402839	142.44	ug/L		95
83) dibromochloromethane	6.477	129	934196	192.14	ug/L		96
84) 1,2-dibromoethane	6.593	107	758285	188.74	ug/L		99
85) n-butyl ether	7.087	57	2445005	131.65	ug/L		94
86) chlorobenzene	7.026	112	2123817	163.48	ug/L		97
87) 1,1,1,2-tetrachloroethane	7.093	131	853906	182.54	ug/L		95
88) ethylbenzene	7.105	91	2881733	135.80	ug/L		93
89) m,p-xylene	7.221	106	2697515	307.24	ug/L		82
90) o-xylene	7.574	106	1473804	167.01	ug/L		84
91) styrene	7.586	104	2228752	153.48	ug/L		96
92) bromoform	7.757	173	716761	225.32	ug/L		97
93) butyl acrylate	7.495	55	1233178	154.37	ug/L		93
94) n-amyl acetate	7.702	70	516879	162.27	ug/L		95
95) isopropylbenzene	7.910	105	3297489	150.18	ug/L		91
96) cis-1,4-dichloro-2-butene	7.952	88	319329	231.45	ug/L		98
99) bromobenzene	8.214	156	1019118	165.48	ug/L		92
100) 1,1,2,2-tetrachloroethane	8.184	83	809409	162.33	ug/L		92
101) trans-1,4-dichloro-2-b...	8.221	53	182091	161.61	ug/L		94
102) 1,2,3-trichloropropane	8.245	110	267267	158.81	ug/L		96
103) n-propylbenzene	8.306	91	3443602	132.42	ug/L		90
104) 2-chlorotoluene	8.397	126	985271	167.14	ug/L		86
105) 4-chlorotoluene	8.513	126	992667	165.48	ug/L	#	80
106) 1,3,5-trimethylbenzene	8.477	105	2719266	145.62	ug/L		93
107) tert-butylbenzene	8.781	134	814638	178.43	ug/L	#	80
108) 1,2,4-trimethylbenzene	8.836	105	2787985	149.12	ug/L		94
109) sec-butylbenzene	8.995	105	3416546	147.77	ug/L		91
110) 1,3-dichlorobenzene	9.117	146	1889162	171.16	ug/L		95
111) p-isopropyltoluene	9.141	119	2959332	151.68	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174411.D
Acq On : 10 Mar 2022 5:08 pm
Operator : brittank
Sample : ic7392-200
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 19:49:53 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:23:05 2022
QLast Update : Thu Mar 10 17:24:07 2022
Response via : Initial Calibration

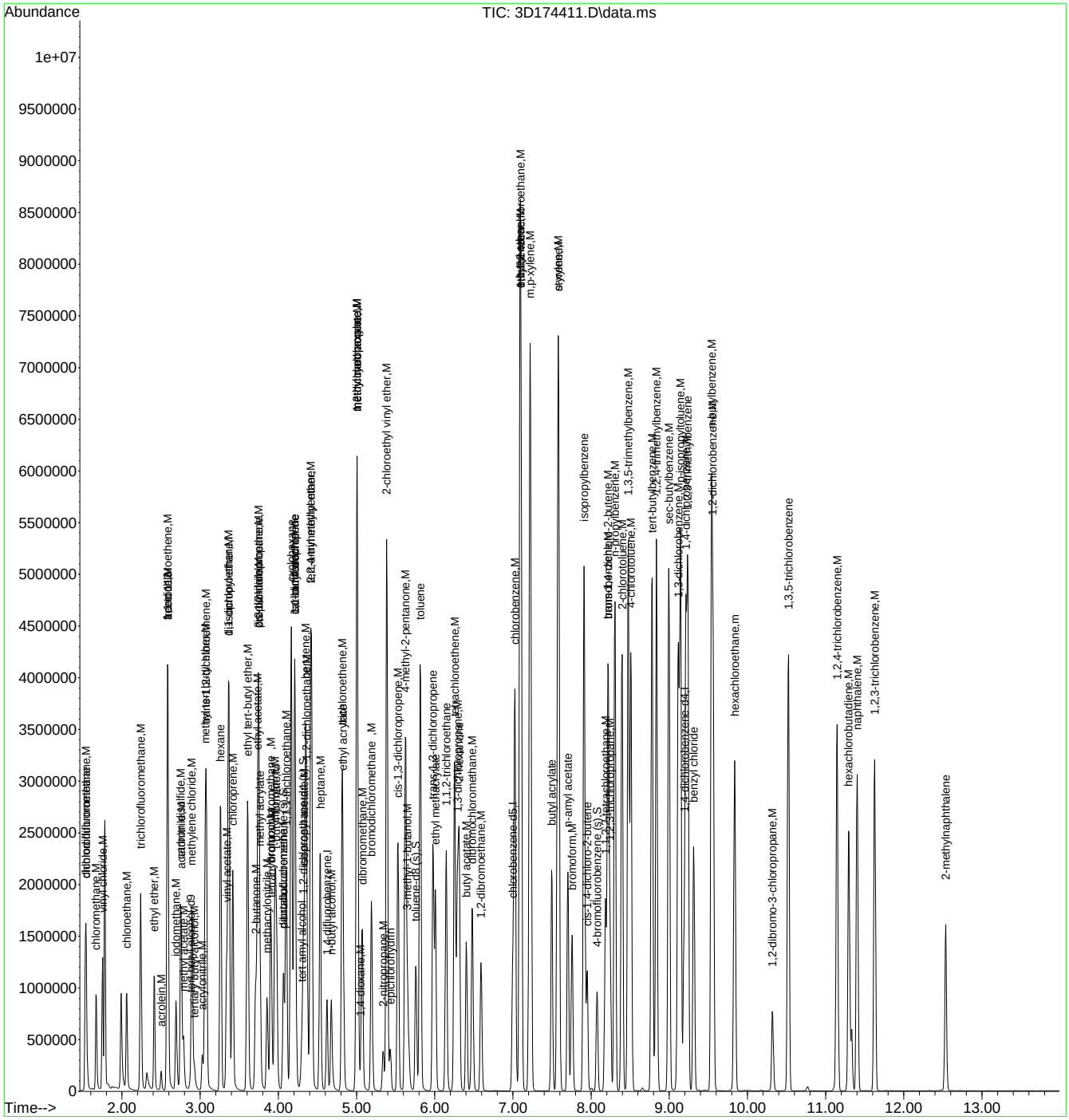
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,4-dichlorobenzene	9.214	146	1817920	163.30	ug/L	93
113) 1,2,3-trimethylbenzene	9.239	105	2723304	143.09	ug/L	93
114) benzyl chloride	9.312	91	1658148	163.73	ug/L	96
115) 1,2-dichlorobenzene	9.562	146	1727928	164.80	ug/L	97
116) n-butylbenzene	9.537	92	1521280	165.20	ug/L	91
117) 1,2-dibromo-3-chloropr...	10.318	157	256554	228.31	ug/L	96
118) 1,3,5-trichlorobenzene	10.525	180	1455529	196.51	ug/L	99
119) 1,2,4-trichlorobenzene	11.147	180	1216462	201.78	ug/L	98
120) hexachlorobutadiene	11.299	225	479883	215.08	ug/L	98
121) naphthalene	11.403	128	2484766	178.80	ug/L	95
122) 1,2,3-trichlorobenzene	11.628	180	1072421	216.68	ug/L	100
123) hexachloroethane	9.836	201	604299	229.63	ug/L	97
124) 2-methylnaphthalene	12.537	142	809955	126.41	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174411.D
Acq On : 10 Mar 2022 5:08 pm
Operator : brittank
Sample : ic7392-200
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 11 19:49:53 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xThu Mar 10 17:23:05 2022
QLast Update : Thu Mar 10 17:24:07 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174414.D
Acq On : 10 Mar 2022 6:18 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 19:50:52 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) tert butyl alcohol-d9	2.874	65	77236	500.00	ug/L		0.00
5) pentafluorobenzene	4.063	168	395829	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.623	114	585682	50.00	ug/L		0.00
73) chlorobenzene-d5	7.001	117	574471	50.00	ug/L		0.00
97) 1,4-dichlorobenzene-d4	9.184	152	333803	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	4.069	113	174408	50.75	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.50%				
52) 1,2-dichloroethane-d4 (s)	4.313	65	183959	47.53	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.06%				
74) toluene-d8 (s)	5.757	98	694261	47.62	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.24%				
98) 4-bromofluorobenzene (s)	8.074	95	290558	47.83	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.66%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	2.929	59	57309	247.68	ug/L		93
3) ethanol	2.319	45	50779	4416.39	ug/L		100
4) 1,4-dioxane	5.044	88	14783	1059.45	ug/L		93
7) dichlorodifluoromethane	1.533	85	174627	42.66	ug/L		97
8) chloromethane	1.673	50	191247	49.11	ug/L		98
9) vinyl chloride	1.752	62	241736	57.47	ug/L		99
10) 1,3-butadiene	1.783	54	228893	53.12	ug/L		96
11) bromomethane	1.990	94	110048	72.09	ug/L		98
12) chloroethane	2.063	64	135541	47.83	ug/L		99
13) trichlorofluoromethane	2.240	101	284365	46.80	ug/L		99
14) ethyl ether	2.417	74	101888	51.92	ug/L		98
15) acrolein	2.502	56	24764	44.83	ug/L		94
16) freon 113	2.587	151	143575	49.30	ug/L		97
17) 1,1-dichloroethene	2.587	96	144941	50.03	ug/L		97
18) acetone	2.587	58	43577	199.95	ug/L		93
20) iodomethane	2.691	142	141588	63.40	ug/L		99
21) carbon disulfide	2.752	76	444900	53.68	ug/L		98
22) methylene chloride	2.898	84	175988	49.63	ug/L		98
23) methyl acetate	2.788	43	100810	48.61	ug/L		98
24) methyl tert butyl ether	3.063	73	478867	50.94	ug/L		99
25) trans-1,2-dichloroethene	3.081	96	168866	49.90	ug/L		96
26) di-isopropyl ether	3.368	45	438677	47.39	ug/L		100
27) 2-butanone	3.709	72	73565	209.73	ug/L		96
28) 1,1-dichloroethane	3.361	63	282069	48.48	ug/L		98
29) chloroprene	3.416	53	246636	49.64	ug/L		98
31) hexane	3.264	56	124778	41.69	ug/L		100
32) vinyl acetate	3.337	86	43921	51.38	ug/L		99
33) ethyl tert-butyl ether	3.605	59	491089	47.85	ug/L		99
34) ethyl acetate	3.727	45	22214	48.16	ug/L	#	77
35) 2,2-dichloropropane	3.752	77	265725	48.45	ug/L		96
36) cis-1,2-dichloroethene	3.739	96	188937	49.70	ug/L		99
37) methyl acrylate	3.770	85	28341	50.73	ug/L		90
38) propionitrile	3.746	54	170202	457.49	ug/L		97
39) bromochloromethane	3.904	128	106173	53.50	ug/L		97
40) tetrahydrofuran	3.916	42	38309	51.09	ug/L		89
41) chloroform	3.959	85	204645	47.45	ug/L		97
42) t-butyl formate	3.977	59	148134	43.60	ug/L		99
44) methacrylonitrile	3.855	67	66104	49.14	ug/L		98
45) 1,1,1-trichloroethane	4.099	97	292833	49.25	ug/L		97
46) cyclohexane	4.166	84	286960	52.97	ug/L		98
47) 1,1-dichloropropene	4.209	75	236379	52.17	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174414.D
Acq On : 10 Mar 2022 6:18 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 19:50:52 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) iso-butyl alcohol	4.203	43	33106	471.35	ug/L	98
49) carbon tetrachloride	4.215	117	272392	53.24	ug/L	98
50) tert amyl alcohol	4.294	55	18240	231.70	ug/L	91
53) n-butyl alcohol	4.678	56	113461	2338.17	ug/L	98
54) 2,2,4-trimethylpentane	4.422	57	490836	47.54	ug/L	100
55) benzene	4.349	78	661258	50.74	ug/L	99
56) tert-amyl methyl ether	4.416	87	126101	48.54	ug/L	98
57) heptane	4.538	71	144133	49.54	ug/L	95
58) isopropyl acetate	4.325	87	41055	49.98	ug/L	96
59) 1,2-dichloroethane	4.367	62	234099	48.64	ug/L	98
60) trichloroethene	4.819	130	217526	53.95	ug/L	100
61) ethyl acrylate	4.831	55	186852	48.70	ug/L	98
62) 2-nitropropane	5.343	41	48548	48.51	ug/L	98
63) 2-chloroethyl vinyl ether	5.386	63	534230	277.56	ug/L	99
64) methyl methacrylate	5.014	100	49397	53.13	ug/L	98
65) 1,2-dichloropropane	5.001	63	162142	47.61	ug/L	100
66) dibromomethane	5.068	93	114211	49.88	ug/L	99
67) methylcyclohexane	5.008	83	318696	51.92	ug/L	97
68) bromodichloromethane	5.190	83	256966	49.64	ug/L	97
69) epichlorohydrin	5.428	57	71110	252.02	ug/L	92
70) cis-1,3-dichloropropene	5.532	75	303676	51.68	ug/L	99
71) 4-methyl-2-pentanone	5.623	58	221984	203.04	ug/L	96
72) 3-methyl-1-butanol	5.648	55	93536	959.89	ug/L	96
75) toluene	5.812	92	480617	48.95	ug/L	98
76) trans-1,3-dichloropropene	5.977	75	286143	50.55	ug/L	99
77) ethyl methacrylate	6.007	69	231580	48.74	ug/L	99
78) 1,1,2-trichloroethane	6.148	83	137574	50.25	ug/L	98
80) 1,3-dichloropropane	6.288	76	276022	49.34	ug/L	99
81) 2-hexanone	6.312	58	208060	192.39	ug/L	99
82) butyl acetate	6.404	56	106249	49.90	ug/L	97
83) dibromochloromethane	6.483	129	217932	50.89	ug/L	95
84) 1,2-dibromoethane	6.593	107	188063	53.24	ug/L	98
85) n-butyl ether	7.086	57	698011	44.01	ug/L	99
86) chlorobenzene	7.025	112	562134	49.84	ug/L	98
87) 1,1,1,2-tetrachloroethane	7.092	131	211169	51.50	ug/L	96
88) ethylbenzene	7.105	91	865229	48.85	ug/L	99
89) m,p-xylene	7.221	106	774437	102.12	ug/L	93
90) o-xylene	7.574	106	393154	51.23	ug/L	99
91) styrene	7.586	104	645050	51.43	ug/L	99
92) bromoform	7.757	173	165282	58.03	ug/L	99
93) butyl acrylate	7.495	55	341519	51.97	ug/L	97
94) n-amyl acetate	7.702	70	134082	48.62	ug/L	99
95) isopropylbenzene	7.909	105	993879	52.50	ug/L	98
96) cis-1,4-dichloro-2-butene	7.952	88	74056	56.51	ug/L	94
99) bromobenzene	8.214	156	273281	50.77	ug/L	95
100) 1,1,2,2-tetrachloroethane	8.184	83	214286	48.23	ug/L	96
101) trans-1,4-dichloro-2-b...	8.220	53	47998	51.01	ug/L	98
102) 1,2,3-trichloropropane	8.245	110	71950	50.63	ug/L	95
103) n-propylbenzene	8.306	91	1085453	47.79	ug/L	99
104) 2-chlorotoluene	8.397	126	265536	49.38	ug/L	92
105) 4-chlorotoluene	8.507	126	274798	50.26	ug/L	99
106) 1,3,5-trimethylbenzene	8.476	105	829379	49.22	ug/L	99
107) tert-butylbenzene	8.781	134	230608	55.12	ug/L	93
108) 1,2,4-trimethylbenzene	8.836	105	815856	48.28	ug/L	99
109) sec-butylbenzene	8.995	105	1043729	49.98	ug/L	100
110) 1,3-dichlorobenzene	9.116	146	523433	51.88	ug/L	100
111) p-isopropyltoluene	9.141	119	912232	51.66	ug/L	99
112) 1,4-dichlorobenzene	9.214	146	513807	50.69	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174414.D
Acq On : 10 Mar 2022 6:18 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 19:50:52 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

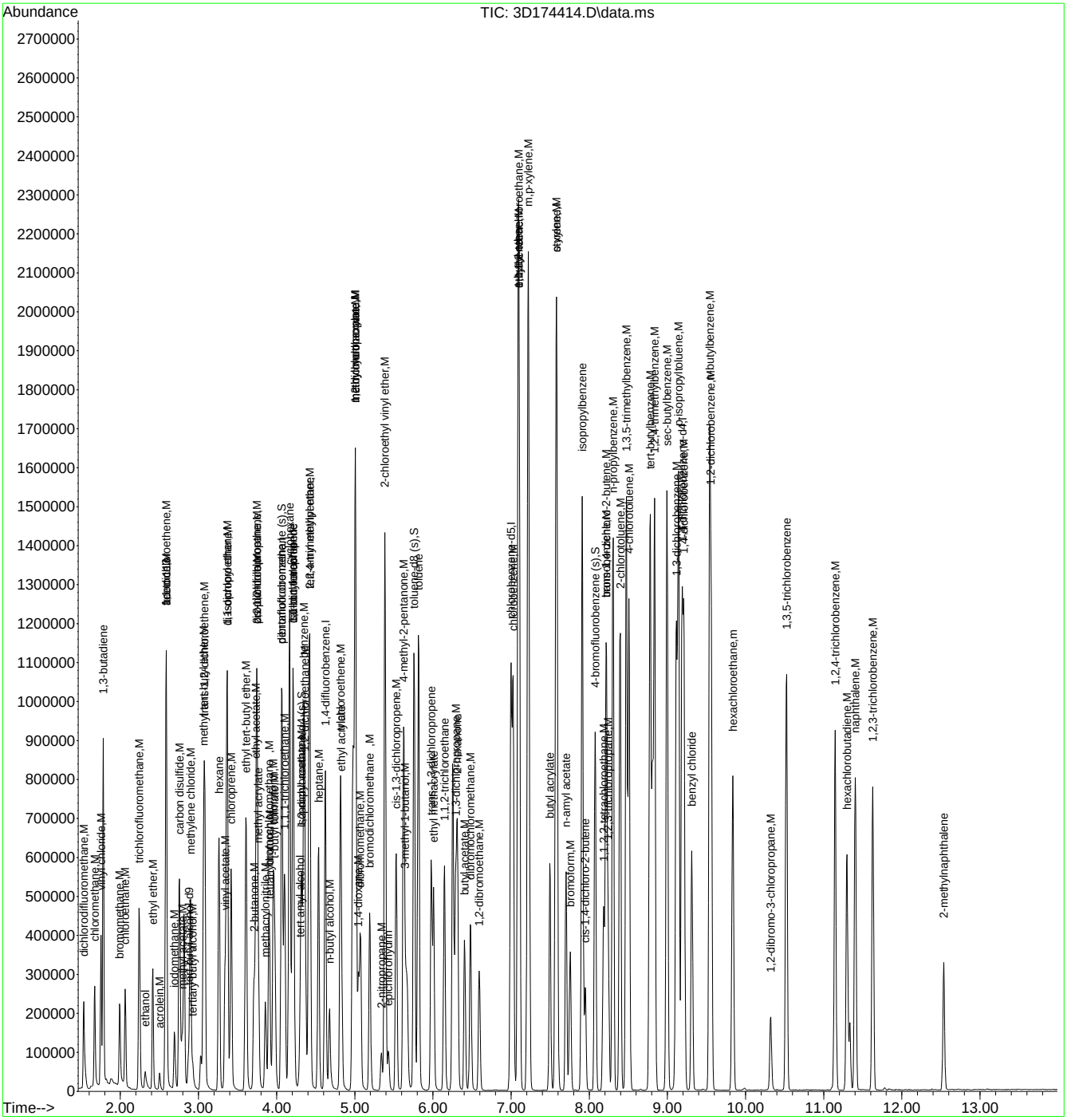
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) benzyl chloride	9.312	91	432181	46.86	ug/L	99
115) 1,2-dichlorobenzene	9.562	146	485003	50.77	ug/L	98
116) n-butylbenzene	9.537	92	425683	50.72	ug/L	99
117) 1,2-dibromo-3-chloropr...	10.324	157	60257	56.92	ug/L	96
118) 1,3,5-trichlorobenzene	10.525	180	354277	51.66	ug/L	98
119) 1,2,4-trichlorobenzene	11.147	180	291015	52.00	ug/L	99
120) hexachlorobutadiene	11.299	225	112218	52.24	ug/L	97
121) naphthalene	11.403	128	666113	52.23	ug/L	99
122) 1,2,3-trichlorobenzene	11.628	180	248594	53.70	ug/L	96
123) hexachloroethane	9.836	201	144246	55.00	ug/L	99
124) 2-methylnaphthalene	12.537	142	161676	25.93	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174414.D
Acq On : 10 Mar 2022 6:18 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 11 19:50:52 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174415.D
Acq On : 10 Mar 2022 6:42 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 11 19:52:02 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

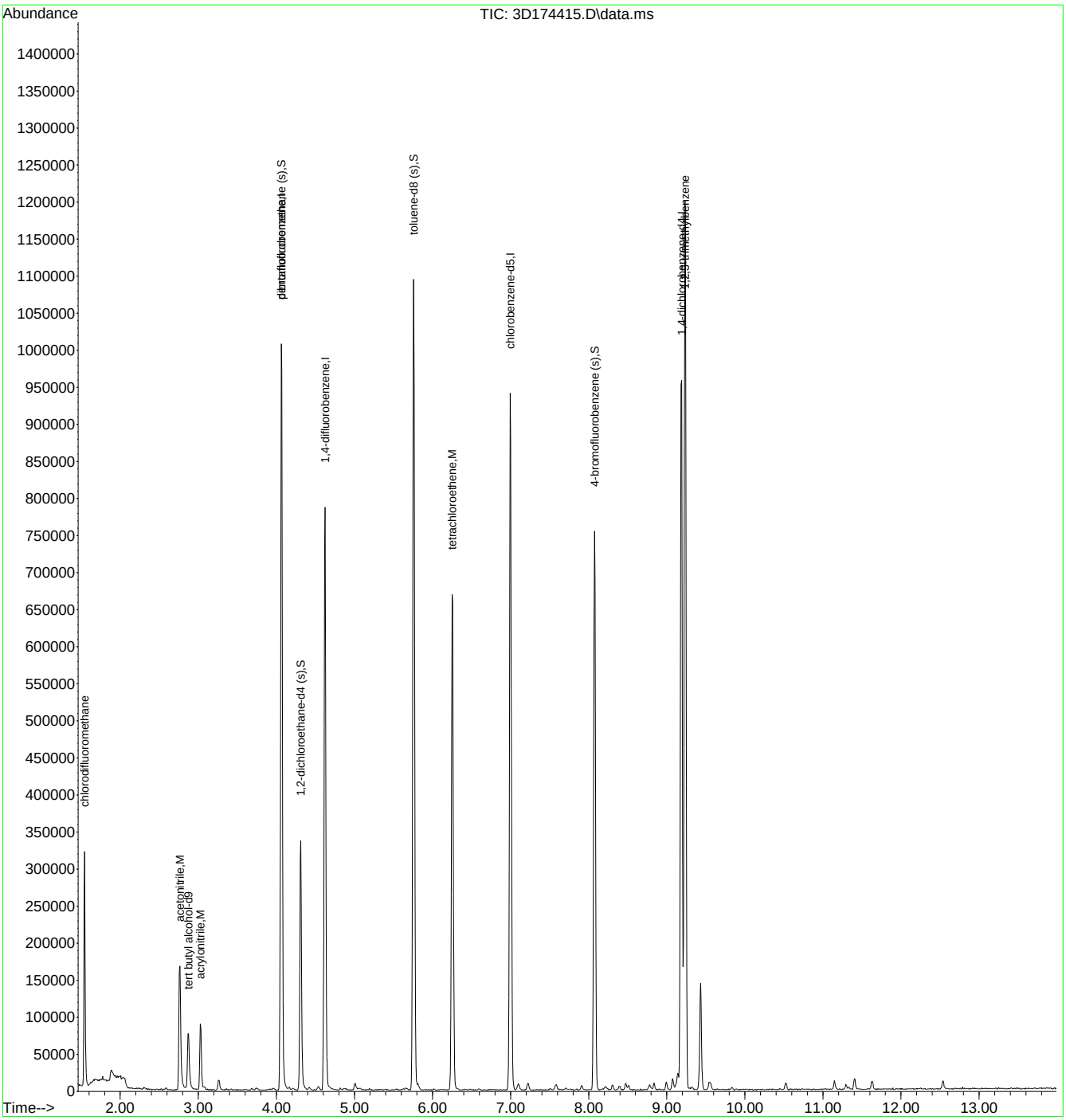
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	2.868	65	78253	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	387610	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.624	114	557257	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	501829	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	255016	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.069	113	169231	50.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.58%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	192801	52.35	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 104.70%			
74) toluene-d8 (s)	5.758	98	661866	51.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.94%			
98) 4-bromofluorobenzene (s)	8.074	95	242188	52.18	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.36%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.545	51	236514	69.75	ug/L	95
19) acetonitrile	2.764	41	150418	543.25	ug/L	97
30) acrylonitrile	3.026	53	52773	55.16	ug/L	96
79) tetrachloroethene	6.257	164	147200	45.85	ug/L	96
113) 1,2,3-trimethylbenzene	9.232	105	693863	54.98	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174415.D
Acq On : 10 Mar 2022 6:42 pm
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 11 19:52:02 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration



M3D7392.M Mon Mar 14 15:43:45 2022 3D

Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174419.D
Acq On : 11 Mar 2022 9:41 am
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 11 19:52:55 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

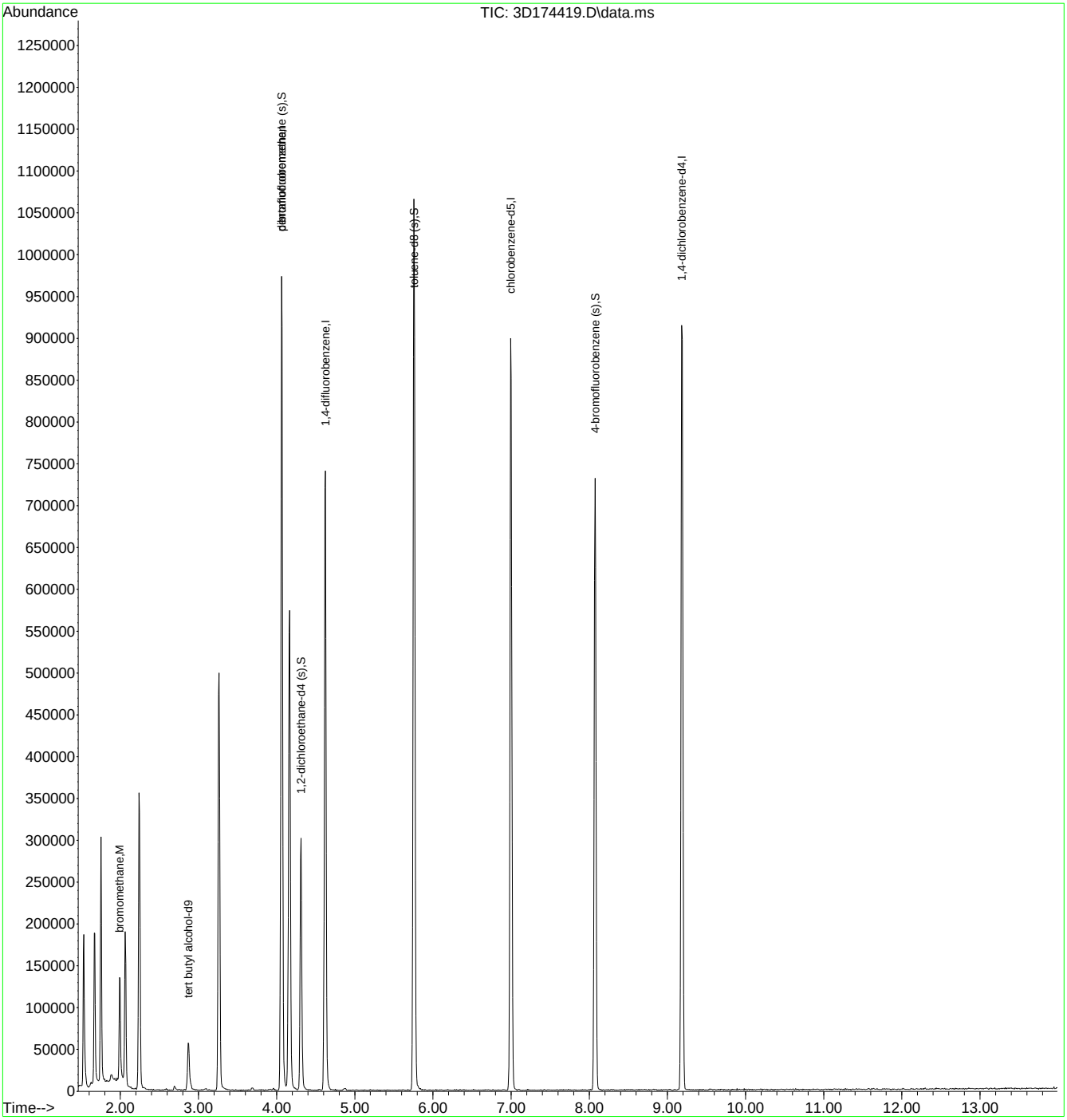
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) tert butyl alcohol-d9	2.868	65	58619	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	363995	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.623	114	521815	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	487553	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.190	152	243446	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	160199	50.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.38%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	175747	50.96	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.92%			
74) toluene-d8 (s)	5.757	98	640574	51.77	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.54%			
98) 4-bromofluorobenzene (s)	8.074	95	233062	52.60	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.20%			
Target Compounds						Qvalue
11) bromomethane	1.990	94	64559	45.99	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\V3D7392\
Data File : 3D174419.D
Acq On : 11 Mar 2022 9:41 am
Operator : brittank
Sample : icv7392-50
Misc : MS57062,V3D7392,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 11 19:52:55 2022
Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174718.d
Acq On : 18 Mar 2022 10:06 am
Operator : nickw
Sample : cc7392-20 Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:44:30 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.874	65	122325	500.00	ug/L	0.00
5) pentafluorobenzene	4.063	168	391294	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.617	114	578287	50.00	ug/L	0.00
73) chlorobenzene-d5	6.995	117	560383	50.00	ug/L	0.00
97) 1,4-dichlorobenzene-d4	9.184	152	297690	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	4.063	113	188223	55.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 110.82%			
52) 1,2-dichloroethane-d4 (s)	4.313	65	201578	52.75	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.50%			
74) toluene-d8 (s)	5.757	98	702520	49.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.80%			
98) 4-bromofluorobenzene (s)	8.074	95	282765	52.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.38%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	2.923	59	35457	96.75	ug/L	89
3) ethanol	2.319	45	86690	4799.38	ug/L	99
4) 1,4-dioxane	5.038	88	19016	860.48	ug/L	98
6) chlorodifluoromethane	1.539	51	71411	20.86	ug/L	89
7) dichlorodifluoromethane	1.533	85	128283	31.71	ug/L	99
8) chloromethane	1.673	50	75677	19.66	ug/L	98
9) vinyl chloride	1.758	62	87602	21.07	ug/L	97
10) 1,3-butadiene	1.783	54	71285	16.73	ug/L	99
11) bromomethane	1.990	94	34732	23.02	ug/L	93
12) chloroethane	2.063	64	57210	20.42	ug/L	98
13) trichlorofluoromethane	2.240	101	133698	22.26	ug/L	99
14) ethyl ether	2.417	74	42043	21.67	ug/L	93
15) acrolein	2.502	56	12349	22.61	ug/L	81
16) freon 113	2.587	151	60386	20.97	ug/L	94
17) 1,1-dichloroethene	2.587	96	65280	22.79	ug/L	91
18) acetone	2.587	58	24896	115.56	ug/L	87
19) acetonitrile	2.764	41	92507	330.95	ug/L	99
20) iodomethane	2.691	142	46694	21.15	ug/L	99
21) carbon disulfide	2.752	76	169987	20.75	ug/L	99
22) methylene chloride	2.898	84	80030	22.83	ug/L	95
23) methyl acetate	2.788	43	53490	26.09	ug/L	92
24) methyl tert butyl ether	3.069	73	194262	20.90	ug/L	100
25) trans-1,2-dichloroethene	3.081	96	72306	21.62	ug/L	100
26) di-isopropyl ether	3.368	45	213273	23.30	ug/L	95
27) 2-butanone	3.709	72	30040	86.63	ug/L #	82
28) 1,1-dichloroethane	3.362	63	129840	22.57	ug/L	98
29) chloroprene	3.416	53	100003	20.36	ug/L	96
30) acrylonitrile	3.032	53	24093	24.95	ug/L	95
31) hexane	3.264	56	58174	19.66	ug/L	91
32) vinyl acetate	3.337	86	15689	18.56	ug/L #	80
33) ethyl tert-butyl ether	3.605	59	211165	20.81	ug/L	97
34) ethyl acetate	3.727	45	9966	21.86	ug/L #	88
35) 2,2-dichloropropane	3.752	77	109439	20.19	ug/L	96
36) cis-1,2-dichloroethene	3.740	96	80274	21.36	ug/L	93
37) methyl acrylate	3.764	85	10453	18.93	ug/L #	85
38) propionitrile	3.746	54	95367	259.31	ug/L	99
39) bromochloromethane	3.904	128	42587	21.71	ug/L	95
40) tetrahydrofuran	3.916	42	19693	26.57	ug/L	87
41) chloroform	3.953	85	88928	20.86	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174718.d
Acq On : 18 Mar 2022 10:06 am
Operator : nickw
Sample : cc7392-20 Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:44:30 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) t-butyl formate	3.977	59	10601	3.16	ug/L	#	71
44) methacrylonitrile	3.855	67	26264	19.75	ug/L		90
45) 1,1,1-trichloroethane	4.099	97	112771	19.19	ug/L		95
46) cyclohexane	4.166	84	109221	20.40	ug/L	#	86
47) 1,1-dichloropropene	4.209	75	91260	20.38	ug/L		97
48) iso-butyl alcohol	4.203	43	18769	270.32	ug/L		88
49) carbon tetrachloride	4.215	117	96684	19.12	ug/L		98
50) tert amyl alcohol	4.294	55	9530	112.40	ug/L		84
53) n-butyl alcohol	4.678	56	76412	1594.81	ug/L		96
54) 2,2,4-trimethylpentane	4.422	57	205516	20.16	ug/L		98
55) benzene	4.349	78	266010	20.67	ug/L		97
56) tert-amyl methyl ether	4.416	87	48655	18.97	ug/L	#	81
57) heptane	4.538	71	55599	19.35	ug/L		95
58) isopropyl acetate	4.325	87	15148	18.68	ug/L	#	73
59) 1,2-dichloroethane	4.361	62	95585	20.11	ug/L		92
60) trichloroethene	4.812	130	77024	19.35	ug/L		97
61) ethyl acrylate	4.831	55	73499	19.40	ug/L		95
62) 2-nitropropane	5.343	41	15347	15.53	ug/L	#	83
63) 2-chloroethyl vinyl ether	5.386	63	50924	26.80	ug/L		100
64) methyl methacrylate	5.014	100	18339	19.98	ug/L		93
65) 1,2-dichloropropane	5.001	63	69783	20.75	ug/L		98
66) dibromomethane	5.069	93	45213	20.00	ug/L		88
67) methylcyclohexane	5.008	83	117553	19.40	ug/L		97
68) bromodichloromethane	5.190	83	96607	18.90	ug/L		93
69) epichlorohydrin	5.428	57	24413	87.63	ug/L		90
70) cis-1,3-dichloropropene	5.532	75	117330	20.22	ug/L		98
71) 4-methyl-2-pentanone	5.623	58	91954	85.18	ug/L		93
72) 3-methyl-1-butanol	5.648	55	40651	422.51	ug/L		97
75) toluene	5.812	92	182137	19.02	ug/L		93
76) trans-1,3-dichloropropene	5.977	75	98982	17.93	ug/L		97
77) ethyl methacrylate	6.007	69	89094	19.22	ug/L		93
78) 1,1,2-trichloroethane	6.141	83	51164	19.16	ug/L		89
79) tetrachloroethene	6.251	164	72929	20.34	ug/L		96
80) 1,3-dichloropropane	6.288	76	105964	19.42	ug/L		93
81) 2-hexanone	6.312	58	84818	80.40	ug/L		89
82) butyl acetate	6.404	56	41995	20.22	ug/L		98
83) dibromochloromethane	6.477	129	75710	18.12	ug/L		95
84) 1,2-dibromoethane	6.593	107	62535	18.15	ug/L		99
85) n-butyl ether	7.086	57	317782	20.54	ug/L		95
86) chlorobenzene	7.019	112	215567	19.60	ug/L		95
87) 1,1,1,2-tetrachloroethane	7.093	131	70826	17.71	ug/L		95
88) ethylbenzene	7.105	91	357422	20.69	ug/L		95
89) m,p-xylene	7.221	106	293930	39.73	ug/L		98
90) o-xylene	7.568	106	147530	19.71	ug/L		93
91) styrene	7.586	104	246151	20.12	ug/L		96
92) bromoform	7.757	173	43990	15.83	ug/L		98
93) butyl acrylate	7.495	55	122165	19.06	ug/L		98
94) n-amyl acetate	7.702	70	50770	18.87	ug/L	#	87
95) isopropylbenzene	7.909	105	381337	20.65	ug/L		96
96) cis-1,4-dichloro-2-butene	7.952	88	15557	12.17	ug/L		88
99) bromobenzene	8.214	156	92577	19.29	ug/L		92
100) 1,1,2,2-tetrachloroethane	8.184	83	76603	19.33	ug/L		95
101) trans-1,4-dichloro-2-b...	8.214	53	13224	15.76	ug/L		94
102) 1,2,3-trichloropropane	8.245	110	25604	20.20	ug/L		96
103) n-propylbenzene	8.300	91	437816	21.61	ug/L		94
104) 2-chlorotoluene	8.391	126	91847	19.15	ug/L	#	76
105) 4-chlorotoluene	8.507	126	93843	19.24	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174718.d
Acq On : 18 Mar 2022 10:06 am
Operator : nickw
Sample : cc7392-20 Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:44:30 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration

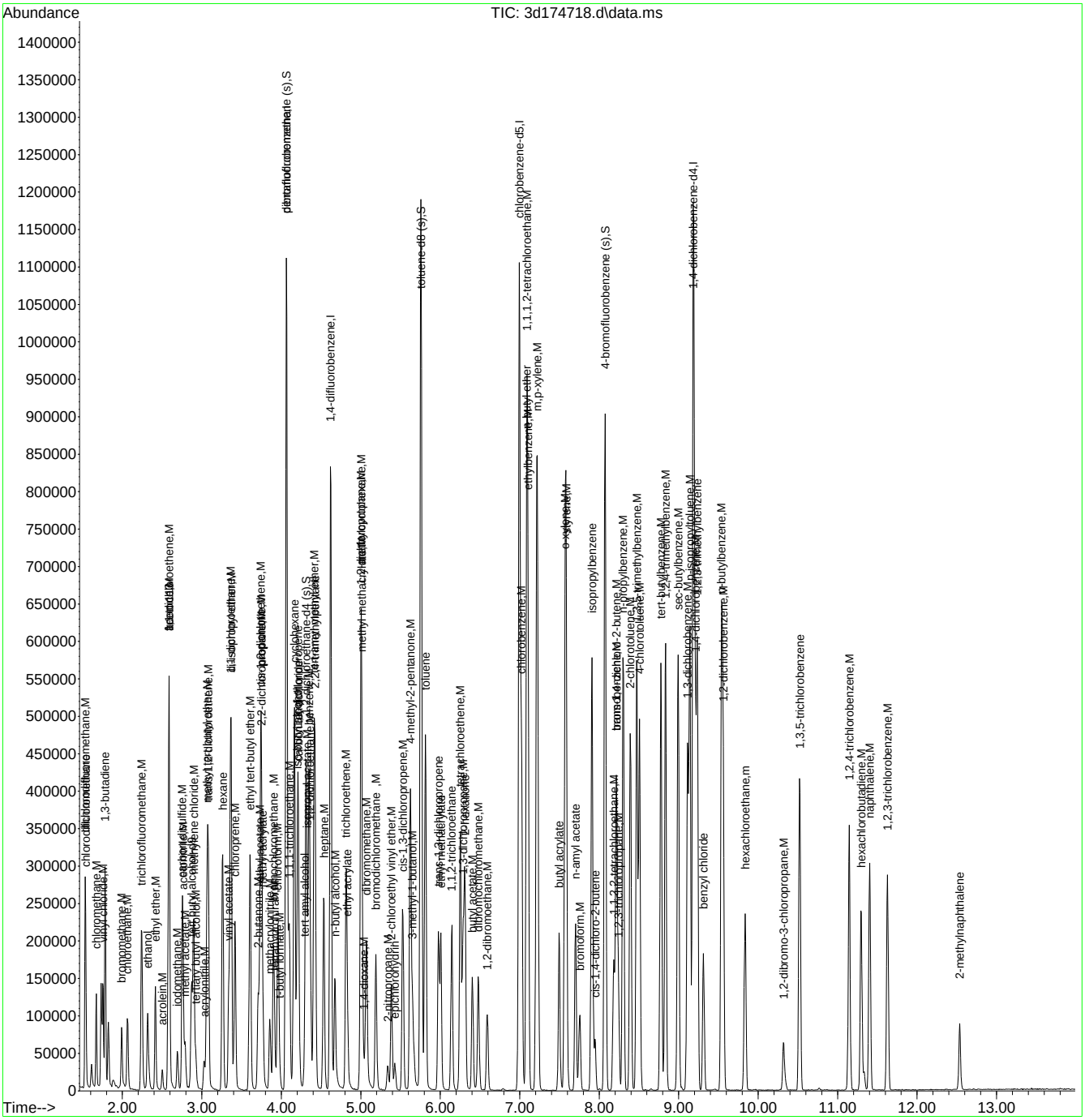
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) 1,3,5-trimethylbenzene	8.476	105	316656	21.07	ug/L	93
107) tert-butylbenzene	8.775	134	73570	19.72	ug/L	90
108) 1,2,4-trimethylbenzene	8.836	105	321677	21.34	ug/L	92
109) sec-butylbenzene	8.995	105	397852	21.36	ug/L	98
110) 1,3-dichlorobenzene	9.110	146	183221	20.36	ug/L	96
111) p-isopropyltoluene	9.141	119	333213	21.16	ug/L	97
112) 1,4-dichlorobenzene	9.214	146	180387	19.96	ug/L	97
113) 1,2,3-trimethylbenzene	9.232	105	314806	21.37	ug/L	94
114) benzyl chloride	9.312	91	126006	15.32	ug/L	91
115) 1,2-dichlorobenzene	9.562	146	174487	20.48	ug/L	98
116) n-butylbenzene	9.537	92	161828	21.62	ug/L	92
117) 1,2-dibromo-3-chloropr...	10.324	157	17201	18.22	ug/L	92
118) 1,3,5-trichlorobenzene	10.525	180	130563	21.35	ug/L	97
119) 1,2,4-trichlorobenzene	11.147	180	104971	21.03	ug/L	98
120) hexachlorobutadiene	11.299	225	44050	22.99	ug/L	97
121) naphthalene	11.403	128	233634	20.54	ug/L	98
122) 1,2,3-trichlorobenzene	11.628	180	86314	20.91	ug/L	96
123) hexachloroethane	9.836	201	35225	15.06	ug/L	93
124) 2-methylnaphthalene	12.537	142	42601	7.66	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\nelsonf\March\03-21\v3d7404\
Data File : 3d174718.d
Acq On : 18 Mar 2022 10:06 am
Operator : nickw
Sample : cc7392-20 Inst : MS3D
Misc : MS57409,V3D7404,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\M3D7392.M
Quant Results File: M3D7392.RES
Quant Time: Mar 21 02:44:30 2022
Quant Title : SW846 8260C/D/ EPA 624.1, Rxi-624 60 m x 0.25 mm xFri Mar 11 09:53:10 2022
QLast Update : Fri Mar 11 09:53:10 2022
Response via : Initial Calibration



GCMS Volatile Run Log

Standard / Reagents	Lot #					
Standard	ABK: V021-2741-118.9	EC: V021-2741-136.9	AA: V021-2741-125.21	Ext. PA: V021-2741-123.1	Column	Rxi-624(60mx0.25mmx1.4um)
Standard Concentration	100-10,000ppm	100ppm	100ppm	100-1,000ppm	Method	V8260D
Expiration Date	3/24/2022	3/16/2022	4/1/2022	3/26/2022	Init Calib Date	3/10/2022
Standard	Ext. ABK: V021-2741-133.2	Ext. EC: V021-2741-131.1	Ext. Acrolein: V021-2741-111.5	Ext. Chlorodifluoromethane:		
Standard Concentration	100-10,000ppm	100ppm	100ppm	100ppm	Analysis Date	3/10/2022
Expiration Date	4/3/2022	3/10/2022	3/21/2022	3/26/2022	Sequence loaded by	Brittany Klimek
			Standard	Ext. EC: V021-2741-141.2	Data processed by	Bridget Kelly
			Standard Concentration	100ppm	Batch ID	V3D7392
Internal Surrogate	V021-2741-116		Expiration Date	3/18/2022	Matrix	AQ
Internal Surrogate Concentration	50/500ppm				Approved By:	MOHUI
Expiration Date	3/23/2022		Initial Calibration Method	M3D7392	Approved Date:	3/15/2022 4:47:18 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
3D	174401	BFB		NA			5			1	ok	3/10/2022; 1:03PM.
3D	174402	IC7392-0.2		NA		AQ Initial Calibration	5			2	ok	1uL ABK, EC, AA/500mL DI H2O.
3D	174403	IC7392-0.5		NA		AQ Initial Calibration	5			3	ok	1uL ABK, EC, AA/200mL DI H2O.
3D	174404	IC7392-1		NA		AQ Initial Calibration	5			4	ok	1uL ABK, EC, AA/100mL DI H2O.
3D	174405	IC7392-2		NA		AQ Initial Calibration	5			5	ok	2uL ABK, EC, AA/100mL DI H2O.
3D	174406	IC7392-4		NA		AQ Initial Calibration	5			6	ok	4uL ABK, EC, AA/100mL DI H2O.
3D	174407	IC7392-8		NA		AQ Initial Calibration	5			7	ok	8uL ABK, EC, AA/100mL DI H2O.
3D	174408	IC7392-20		NA		AQ Initial Calibration	5			8	ok	20uL ABK, EC, AA/100mL DI H2O.
3D	174409	ICC7392-50		NA		AQ Initial Calibration	5			9	ok	50uL ABK, EC, AA/100mL DI H2O.
3D	174410	IC7392-100		NA		AQ Initial Calibration	5			10	ok	100uL ABK, EC, AA/100mL DI H2O.
3D	174411	IC7392-200		NA		AQ Initial Calibration	5			11	ok	200uL ABK, EC, AA/100mL DI H2O.

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
3D	174412	IB		NA			5			12	ok	
3D	174413	IB		NA			5			13	ok	
3D	174414	ICV7392-50		NA		AQ Initial Calibration	5			14	ok	50uL Ext. ABK, Ext. EC, Ext. Acrolein/100mL DI H2O.
3D	174415	ICV7392-50		NA		AQ Initial Calibration	5			15	ok	50uL Ext. PA, Ext. Chlorodifluoromethane/100mL DI H2O.
3D	174416	IB		NA			5			16	ok	
3D	174417	IB		NA			5			17	ok	
3D	174418	BFB2		NA			5			18	ok	3/11/2022; 9:18AM.
3D	174419	ICV7392-50		NA		AQ Initial Calibration	5			19	ok	50uL Ext. EC/100mL DI H2O.

GCMS Volatile Run Log

Standard / Reagents	Lot #				Column	Rxi-624(60mx0.25mmx1.4um)
Standard	ABK: V021-2741-118.1	EC: V021-2741-143.9	AA: V021-2741-125.12		Method	v8260d
Standard Concentration	100-10,000ppm	100ppm	100ppm		Init Calib Date	10 Mar 2022
Expiration Date	3/24/2022	3/24/2022	4/1/2022			
Internal Surrogate	V021-2741-117					
Internal Surrogate Concentration	50/500ppm				Analysis Date	3/18/2022
Expiration Date	3/23/2022				Sequence loaded by	nickw
					Data processed by	nelsonf
					Batch ID	V3D7404
Rough reviewed by					Matrix	AQ
					Approved By:	MOHUI
pH paper Lot# (wide range):	223210	8/15/2023	Initial Calibration Method	M3D7392	Approved Date:	3/22/2022 4:25:17 PM

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
3d	174717	IB		NA			5			1	OK	
3d	174718	BFB/CC7392-20		NA			5			2	OK/OK	10:06a.m.; 20uL ABK, AA, EC / 100mL
3d	174719	CC7392-1		NA			5			3	OK	1uL ABK, AA, EC / 100mL
3d	174720	BS		NA			5			4	OK	50uL ABK, AA, EC / 100mL
3d	174721	IB		NA			5			5	OK	
3d	174722	MB		NA			5			6	OK	
3d	174723	JD41388-6	1	NA	MS57470	V8260TCL20+	5		1	7	OK	
3d	174724	JD41388-7	1	NA	MS57470	V8260TCL20+	5		1	8	OK	
3d	174725	JD40896-5	1	NA	MS57263	VMS+TBA	5		1	9	OK	+l339049
3d	174726	TD79547-1	2	NA	MS57334	V8260SL2	5		1	10	OK	+v3d174625
3d	174727	IB		NA			5			11	OK	

Data File		Sample ID	Bot #	Dil	Workgroup #	Test	Purge Vol (ml)	IS/Surr	pH	ALS #	Status	Comments
3d	174728	JD41239-1	1	NA	MS57411	V8260TCL20+	5		1	12	ok	
3d	174729	JD41239-2	1	NA	MS57411	V8260TCL20+	5		1	13	OK	
3d	174730	JD41239-3	1	NA	MS57411	V8260TCL20+	5		1	14	OK	
3d	174731	JD41239-1DUP	2	NA	MS57411	V8260TCL20+	5		1	15	OK	
3d	174732	JD41239-2MS	2	NA	MS57411	V8260TCL20+	5		1	16	OK	20uL ABK, AA, EC / 40mL
3d	174733	IB		NA			5			17	OK	
3d	174734	JD41468-3	1	NA	MS57510	V8260SL	5		6	18	rr	cc low
3d	174735	JD41470-7	5	NA	MS57513	V8260NJTCL20+	5		6	19	OK	
3d	174736	JD41468-1	1	NA	MS57510	V8260SL	5		6	20	rr	cc low
3d	174737	JD41239-4	1	NA	MS57411	V8260TCL20+	5		1	21	OK	
3d	174738	JD41388-1	1	NA	MS57470	V8260TCL20+	5		1	22	OK	
3d	174739	JD41388-2	1	NA	MS57470	V8260TCL20+	5		1	23	OK	
3d	174740	JD41388-3	1	NA	MS57470	V8260TCL20+	5		1	24	OK	
3d	174741	JD41388-4	1	NA	MS57470	V8260TCL20+	5		1	25	OK	
3d	174742	JD41388-5	1	NA	MS57470	V8260TCL20+	5		1	26	ok	
3d	174743	JD41388-8	1	NA	MS57470	V8260TCL20+	5		1	27	ok	
3d	174744	TD79562-1	1	NA	MS57370	V8260STD	5		1	28	ok	
3d	174745	TD79562-2	1	NA	MS57370	V8260STD	5		1	29	ok	
3d	174746	TD79562-3	1	NA	MS57370	V8260STD	5		1	30	ok	(09:35PM)

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

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY 11663

SGS Job Number: JD42150

Sampling Date: 03/28/22

Report to:

SESI Consulting Engineers
12 Maple Avenue Building A
Pine Brook, NJ 07058
jam@sesi.org; patricia.petrino@sesi.org

ATTN: Patricia Petrino

Total number of pages in report: **685**

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: Kelly Ramos 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

Table of Contents

Sections:

1 2 3 4 5 6 7

Table of Contents

SGS North America Inc.

Sample Summary

SESI Consulting Engineers

Job No: JD42150

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD42150-1	03/28/22	16:14	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-101
JD42150-2	03/28/22	14:46	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-102
JD42150-3	03/28/22	14:45	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-103
JD42150-4	03/28/22	16:16	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-104
JD42150-5	03/28/22	16:47	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-105
JD42150-6	03/28/22	17:24	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-106
JD42150-7	03/28/22	09:30	JNOON	03/29/22	AIR	Ambient Air Comp.	AA-1
JD42150-8	03/28/22	17:25	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-1
JD42150-9	03/28/22	16:04	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-2
JD42150-10	03/28/22	16:03	JNOON	03/29/22	AIR	Indoor Air Comp.	IA-3
JD42150-11	03/28/22	13:09	JNOON	03/29/22	AIR	Soil Vapor Comp.	VP-1
JD42150-12	03/28/22	13:54	JNOON	03/29/22	AIR	Soil Vapor Comp.	VP-2

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

SGS North America Inc.

Sample Summary
(continued)

SESI Consulting Engineers

Job No: JD42150

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD42150-13	03/28/22	13:39	JNOON	03/29/22	AIR	Soil Vapor Comp.	VP-3
JD42150-14	03/28/22	13:53	JNOON	03/29/22	AIR	Soil Vapor Comp.	DUP-1

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No**	JD42150
Site:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY	**Report Date**	5/2/2022 9:06:07 AM

On 03/29/2022, 13 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 JD42150 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:** V3W2984

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD41997-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD42150-1, JD42150-11, JD42150-12, JD42150-2, JD42150-3, JD42150-4, JD42150-6 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

Matrix: AIR **Batch ID:** V3W2986

- Sample(s) JD42255-26DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD42150-14: Sample analyzed outside the holding time.

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: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD42150-1	**IA-101**					
Acetone (2-Propanone)		7.4	0.20	0.15	ppbv	TO-15
Benzene		0.19 J	0.20	0.062	ppbv	TO-15
Chloromethane		0.64	0.20	0.090	ppbv	TO-15
Cyclohexane		0.17 J	0.20	0.11	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.032	ppbv	TO-15
Ethanol		120 E	0.50	0.39	ppbv	TO-15
Ethyl Acetate		4.2	0.20	0.10	ppbv	TO-15
Hexane		0.18 J	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol		2.5	0.20	0.14	ppbv	TO-15
Methylene chloride		0.48	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone		0.41	0.20	0.11	ppbv	TO-15
Tertiary Butyl Alcohol		0.27	0.20	0.093	ppbv	TO-15
Toluene		1.0	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane		0.23	0.10	0.036	ppbv	TO-15
Vinyl Acetate		0.44	0.20	0.11	ppbv	TO-15
m,p-Xylene		0.23	0.20	0.14	ppbv	TO-15
Xylenes (total)		0.23	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)		18	0.48	0.36	ug/m3	TO-15
Benzene		0.61 J	0.64	0.20	ug/m3	TO-15
Chloromethane		1.3	0.41	0.19	ug/m3	TO-15
Cyclohexane		0.59 J	0.69	0.38	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.99	0.16	ug/m3	TO-15
Ethanol		226 E	0.94	0.73	ug/m3	TO-15
Ethyl Acetate		15	0.72	0.36	ug/m3	TO-15
Hexane		0.63 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol		6.1	0.49	0.34	ug/m3	TO-15
Methylene chloride		1.7	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone		1.2	0.59	0.32	ug/m3	TO-15
Tertiary Butyl Alcohol		0.82	0.61	0.28	ug/m3	TO-15
Toluene		3.8	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.20	ug/m3	TO-15
Vinyl Acetate		1.5	0.70	0.39	ug/m3	TO-15
m,p-Xylene		1.0	0.87	0.61	ug/m3	TO-15
Xylenes (total)		1.0	0.87	0.33	ug/m3	TO-15
JD42150-2	**IA-102**					
Acetone (2-Propanone)		45.6	0.20	0.15	ppbv	TO-15
Benzene		0.21	0.20	0.062	ppbv	TO-15
Chloromethane		0.59	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.43	0.20	0.032	ppbv	TO-15
Ethanol		255 E	0.50	0.39	ppbv	TO-15
Ethyl Acetate		6.1	0.20	0.10	ppbv	TO-15

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Hexane	0.21	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol	7.8	0.20	0.14	ppbv	TO-15
Methylene chloride	0.64	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone	0.27	0.20	0.11	ppbv	TO-15
Methylmethacrylate	0.098 J	0.20	0.070	ppbv	TO-15
Tetrachloroethylene	0.16	0.040	0.014	ppbv	TO-15
Toluene	0.40	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane	0.24	0.10	0.036	ppbv	TO-15
Acetone (2-Propanone)	108	0.48	0.36	ug/m3	TO-15
Benzene	0.67	0.64	0.20	ug/m3	TO-15
Chloromethane	1.2	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane	2.1	0.99	0.16	ug/m3	TO-15
Ethanol	480 E	0.94	0.73	ug/m3	TO-15
Ethyl Acetate	22	0.72	0.36	ug/m3	TO-15
Hexane	0.74	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol	19	0.49	0.34	ug/m3	TO-15
Methylene chloride	2.2	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone	0.80	0.59	0.32	ug/m3	TO-15
Methylmethacrylate	0.40 J	0.82	0.29	ug/m3	TO-15
Tetrachloroethylene	1.1	0.27	0.095	ug/m3	TO-15
Toluene	1.5	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane	1.3	0.56	0.20	ug/m3	TO-15
JD42150-3 IA-103					
Acetone (2-Propanone)	7.3	0.20	0.15	ppbv	TO-15
Benzene	0.15 J	0.20	0.062	ppbv	TO-15
Chloromethane	0.98	0.20	0.090	ppbv	TO-15
Carbon tetrachloride	0.12	0.040	0.040	ppbv	TO-15
Dichlorodifluoromethane	0.75	0.20	0.032	ppbv	TO-15
Ethanol	163 E	0.50	0.39	ppbv	TO-15
Ethyl Acetate	0.86	0.20	0.10	ppbv	TO-15
Freon 113	0.11	0.10	0.031	ppbv	TO-15
Hexane	0.49	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol	1.0	0.20	0.14	ppbv	TO-15
Methylene chloride	3.2	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone	0.30	0.20	0.11	ppbv	TO-15
Toluene	0.24	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane	1.3	0.10	0.036	ppbv	TO-15
Acetone (2-Propanone)	17	0.48	0.36	ug/m3	TO-15
Benzene	0.48 J	0.64	0.20	ug/m3	TO-15
Chloromethane	2.0	0.41	0.19	ug/m3	TO-15
Carbon tetrachloride	0.75	0.25	0.25	ug/m3	TO-15
Dichlorodifluoromethane	3.7	0.99	0.16	ug/m3	TO-15
Ethanol	307 E	0.94	0.73	ug/m3	TO-15

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Ethyl Acetate	3.1	0.72	0.36	ug/m3	TO-15
Freon 113	0.84	0.77	0.24	ug/m3	TO-15
Hexane	1.7	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol	2.5	0.49	0.34	ug/m3	TO-15
Methylene chloride	11	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone	0.88	0.59	0.32	ug/m3	TO-15
Toluene	0.90	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane	7.3	0.56	0.20	ug/m3	TO-15
JD42150-4 IA-104					
Acetone (2-Propanone)	6.7	0.20	0.15	ppbv	TO-15
Benzene	0.16 J	0.20	0.062	ppbv	TO-15
Chloromethane	0.66	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane	0.44	0.20	0.032	ppbv	TO-15
Ethanol	438 E	0.50	0.39	ppbv	TO-15
Ethyl Acetate	2.4	0.20	0.10	ppbv	TO-15
Heptane	0.097 J	0.20	0.092	ppbv	TO-15
Isopropyl Alcohol	98.2 E	0.20	0.14	ppbv	TO-15
Methylene chloride	0.39	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone	0.24	0.20	0.11	ppbv	TO-15
Tetrachloroethylene	0.16	0.040	0.014	ppbv	TO-15
Trichlorofluoromethane	0.20	0.10	0.036	ppbv	TO-15
Acetone (2-Propanone)	16	0.48	0.36	ug/m3	TO-15
Benzene	0.51 J	0.64	0.20	ug/m3	TO-15
Chloromethane	1.4	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane	2.2	0.99	0.16	ug/m3	TO-15
Ethanol	825 E	0.94	0.73	ug/m3	TO-15
Ethyl Acetate	8.6	0.72	0.36	ug/m3	TO-15
Heptane	0.40 J	0.82	0.38	ug/m3	TO-15
Isopropyl Alcohol	241 E	0.49	0.34	ug/m3	TO-15
Methylene chloride	1.4	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone	0.71	0.59	0.32	ug/m3	TO-15
Tetrachloroethylene	1.1	0.27	0.095	ug/m3	TO-15
Trichlorofluoromethane	1.1	0.56	0.20	ug/m3	TO-15
JD42150-5 IA-105					
Acetone (2-Propanone)	8.8	0.20	0.15	ppbv	TO-15
Benzene	0.23	0.20	0.062	ppbv	TO-15
Chloromethane	0.64	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane	0.42	0.20	0.032	ppbv	TO-15
Ethanol	32.0	0.50	0.39	ppbv	TO-15
Ethyl Acetate	1.9	0.20	0.10	ppbv	TO-15
Hexane	0.12 J	0.20	0.11	ppbv	TO-15

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Isopropyl Alcohol		18.5	0.20	0.14	ppbv	TO-15
Methylene chloride		0.32	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone		0.57	0.20	0.11	ppbv	TO-15
Tetrachloroethylene		0.18	0.040	0.014	ppbv	TO-15
Tetrahydrofuran		0.14 J	0.20	0.090	ppbv	TO-15
Toluene		0.21	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane		0.21	0.10	0.036	ppbv	TO-15
Acetone (2-Propanone)		21	0.48	0.36	ug/m3	TO-15
Benzene		0.73	0.64	0.20	ug/m3	TO-15
Chloromethane		1.3	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.99	0.16	ug/m3	TO-15
Ethanol		60.3	0.94	0.73	ug/m3	TO-15
Ethyl Acetate		6.8	0.72	0.36	ug/m3	TO-15
Hexane		0.42 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol		45.5	0.49	0.34	ug/m3	TO-15
Methylene chloride		1.1	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone		1.7	0.59	0.32	ug/m3	TO-15
Tetrachloroethylene		1.2	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran		0.41 J	0.59	0.27	ug/m3	TO-15
Toluene		0.79	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.2	0.56	0.20	ug/m3	TO-15
JD42150-6	**IA-106**					
Acetone (2-Propanone)		10.9	0.20	0.15	ppbv	TO-15
Benzene		0.24	0.20	0.062	ppbv	TO-15
Chloroethane		0.11 J	0.20	0.068	ppbv	TO-15
Chloromethane		0.67	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.46	0.20	0.032	ppbv	TO-15
Ethanol		29.4	0.50	0.39	ppbv	TO-15
Ethyl Acetate		2.2	0.20	0.10	ppbv	TO-15
Freon 113		0.097 J	0.10	0.031	ppbv	TO-15
Hexane		0.14 J	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol		406 E	0.20	0.14	ppbv	TO-15
Methylene chloride		0.35	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone		0.71	0.20	0.11	ppbv	TO-15
Propylene		1.3	0.50	0.14	ppbv	TO-15
1,1,1-Trichloroethane		0.19	0.10	0.037	ppbv	TO-15
Tertiary Butyl Alcohol		0.26	0.20	0.093	ppbv	TO-15
Tetrachloroethylene		1.1	0.040	0.014	ppbv	TO-15
Tetrahydrofuran		0.44	0.20	0.090	ppbv	TO-15
Toluene		0.34	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane		0.23	0.10	0.036	ppbv	TO-15
Vinyl Acetate		1.3	0.20	0.11	ppbv	TO-15
Acetone (2-Propanone)		25.9	0.48	0.36	ug/m3	TO-15

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Benzene		0.77	0.64	0.20	ug/m3	TO-15
Chloroethane		0.29 J	0.53	0.18	ug/m3	TO-15
Chloromethane		1.4	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane		2.3	0.99	0.16	ug/m3	TO-15
Ethanol		55.4	0.94	0.73	ug/m3	TO-15
Ethyl Acetate		7.9	0.72	0.36	ug/m3	TO-15
Freon 113		0.74 J	0.77	0.24	ug/m3	TO-15
Hexane		0.49 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol		998 E	0.49	0.34	ug/m3	TO-15
Methylene chloride		1.2	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone		2.1	0.59	0.32	ug/m3	TO-15
Propylene		2.2	0.86	0.24	ug/m3	TO-15
1,1,1-Trichloroethane		1.0	0.55	0.20	ug/m3	TO-15
Tertiary Butyl Alcohol		0.79	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene		7.5	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran		1.3	0.59	0.27	ug/m3	TO-15
Toluene		1.3	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.56	0.20	ug/m3	TO-15
Vinyl Acetate		4.6	0.70	0.39	ug/m3	TO-15
JD42150-8	**IA-1**					
Acetone (2-Propanone)		3.6	0.44	0.32	ppbv	TO-15
Benzene		0.32 J	0.44	0.14	ppbv	TO-15
Chloromethane		0.77	0.44	0.20	ppbv	TO-15
Dichlorodifluoromethane		0.44	0.44	0.071	ppbv	TO-15
Ethanol		65.8	1.1	0.87	ppbv	TO-15
Ethyl Acetate		1.2	0.44	0.23	ppbv	TO-15
Isopropyl Alcohol		22.1	0.44	0.31	ppbv	TO-15
Methylene chloride		0.56	0.44	0.12	ppbv	TO-15
Tetrachloroethylene		0.68	0.088	0.031	ppbv	TO-15
Trichlorofluoromethane		0.24	0.22	0.080	ppbv	TO-15
Acetone (2-Propanone)		8.6	1.0	0.76	ug/m3	TO-15
Benzene		1.0 J	1.4	0.45	ug/m3	TO-15
Chloromethane		1.6	0.91	0.41	ug/m3	TO-15
Dichlorodifluoromethane		2.2	2.2	0.35	ug/m3	TO-15
Ethanol		124	2.1	1.6	ug/m3	TO-15
Ethyl Acetate		4.3	1.6	0.83	ug/m3	TO-15
Isopropyl Alcohol		54.3	1.1	0.76	ug/m3	TO-15
Methylene chloride		1.9	1.5	0.42	ug/m3	TO-15
Tetrachloroethylene		4.6	0.60	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.3	1.2	0.45	ug/m3	TO-15

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JD42150-9	**IA-2**					
Acetone (2-Propanone)		4.0	0.20	0.15	ppbv	TO-15
Benzene		0.27	0.20	0.062	ppbv	TO-15
Chloromethane		0.64	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.45	0.20	0.032	ppbv	TO-15
Ethanol		29.4	0.50	0.39	ppbv	TO-15
Ethyl Acetate		1.1	0.20	0.10	ppbv	TO-15
Hexane		0.18 J	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol		27.4	0.20	0.14	ppbv	TO-15
Methylene chloride		0.48	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone		0.32	0.20	0.11	ppbv	TO-15
Propylene		0.61	0.50	0.14	ppbv	TO-15
1,1,1-Trichloroethane		0.098 J	0.10	0.037	ppbv	TO-15
Tetrachloroethylene		0.85	0.040	0.014	ppbv	TO-15
Toluene		0.21	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane		0.31	0.10	0.036	ppbv	TO-15
Acetone (2-Propanone)		9.5	0.48	0.36	ug/m3	TO-15
Benzene		0.86	0.64	0.20	ug/m3	TO-15
Chloromethane		1.3	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane		2.2	0.99	0.16	ug/m3	TO-15
Ethanol		55.4	0.94	0.73	ug/m3	TO-15
Ethyl Acetate		4.0	0.72	0.36	ug/m3	TO-15
Hexane		0.63 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol		67.4	0.49	0.34	ug/m3	TO-15
Methylene chloride		1.7	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone		0.94	0.59	0.32	ug/m3	TO-15
Propylene		1.0	0.86	0.24	ug/m3	TO-15
1,1,1-Trichloroethane		0.53 J	0.55	0.20	ug/m3	TO-15
Tetrachloroethylene		5.8	0.27	0.095	ug/m3	TO-15
Toluene		0.79	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane		1.7	0.56	0.20	ug/m3	TO-15
JD42150-10	**IA-3**					
Acetone (2-Propanone)		8.9	0.20	0.15	ppbv	TO-15
Benzene		0.43	0.20	0.062	ppbv	TO-15
Chloroform		0.16 J	0.20	0.037	ppbv	TO-15
Chloromethane		0.60	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane		0.42	0.20	0.032	ppbv	TO-15
cis-1,2-Dichloroethylene		0.11	0.040	0.077	ppbv	TO-15
Ethanol		15.6	0.50	0.39	ppbv	TO-15
Ethyl Acetate		2.3	0.20	0.10	ppbv	TO-15
Hexane		0.16 J	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol		30.9	0.20	0.14	ppbv	TO-15

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Methylene chloride	0.38	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone	0.23	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone	0.16 J	0.20	0.073	ppbv	TO-15
Propylene	0.58	0.50	0.14	ppbv	TO-15
1,1,1-Trichloroethane	0.17	0.10	0.037	ppbv	TO-15
Tetrachloroethylene	2.8	0.040	0.014	ppbv	TO-15
Toluene	0.28	0.20	0.057	ppbv	TO-15
Trichloroethylene	0.37	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	0.23	0.10	0.036	ppbv	TO-15
Vinyl Acetate	0.14 J	0.20	0.11	ppbv	TO-15
Acetone (2-Propanone)	21	0.48	0.36	ug/m3	TO-15
Benzene	1.4	0.64	0.20	ug/m3	TO-15
Chloroform	0.78 J	0.98	0.18	ug/m3	TO-15
Chloromethane	1.2	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane	2.1	0.99	0.16	ug/m3	TO-15
cis-1,2-Dichloroethylene	0.44	0.16	0.31	ug/m3	TO-15
Ethanol	29.4	0.94	0.73	ug/m3	TO-15
Ethyl Acetate	8.3	0.72	0.36	ug/m3	TO-15
Hexane	0.56 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol	76.0	0.49	0.34	ug/m3	TO-15
Methylene chloride	1.3	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone	0.68	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone	0.66 J	0.82	0.30	ug/m3	TO-15
Propylene	1.0	0.86	0.24	ug/m3	TO-15
1,1,1-Trichloroethane	0.93	0.55	0.20	ug/m3	TO-15
Tetrachloroethylene	19	0.27	0.095	ug/m3	TO-15
Toluene	1.1	0.75	0.21	ug/m3	TO-15
Trichloroethylene	2.0	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane	1.3	0.56	0.20	ug/m3	TO-15
Vinyl Acetate	0.49 J	0.70	0.39	ug/m3	TO-15
JD42150-11 VP-1					
Acetone (2-Propanone)	17.6	0.80	0.58	ppbv	TO-15
Benzene	1.9	0.80	0.25	ppbv	TO-15
Carbon disulfide	0.51 J	0.80	0.18	ppbv	TO-15
Cyclohexane	1.0	0.80	0.44	ppbv	TO-15
Dichlorodifluoromethane	0.42 J	0.80	0.13	ppbv	TO-15
cis-1,2-Dichloroethylene	0.82	0.16	0.31	ppbv	TO-15
Ethanol	326 E	2.0	1.6	ppbv	TO-15
Ethylbenzene	2.5	0.80	0.24	ppbv	TO-15
Ethyl Acetate	147	0.80	0.42	ppbv	TO-15
Heptane	1.7	0.80	0.37	ppbv	TO-15
Hexane	2.2	0.80	0.45	ppbv	TO-15
Isopropyl Alcohol	153	0.80	0.56	ppbv	TO-15

Summary of Hits

Job Number: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Methylene chloride	1.3	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone	1.3	0.80	0.44	ppbv	TO-15
1,2,4-Trimethylbenzene	1.6	0.80	0.35	ppbv	TO-15
2,2,4-Trimethylpentane	1.2	0.80	0.38	ppbv	TO-15
Tertiary Butyl Alcohol	5.2	0.80	0.37	ppbv	TO-15
Tetrachloroethylene	3.6	0.16	0.056	ppbv	TO-15
Toluene	8.6	0.80	0.23	ppbv	TO-15
Trichloroethylene	1.3	0.16	0.076	ppbv	TO-15
Vinyl Acetate	11.1	0.80	0.45	ppbv	TO-15
m,p-Xylene	10.5	0.80	0.56	ppbv	TO-15
o-Xylene	3.5	0.80	0.31	ppbv	TO-15
Xylenes (total)	14.0	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)	41.8	1.9	1.4	ug/m3	TO-15
Benzene	6.1	2.6	0.80	ug/m3	TO-15
Carbon disulfide	1.6 J	2.5	0.56	ug/m3	TO-15
Cyclohexane	3.4	2.8	1.5	ug/m3	TO-15
Dichlorodifluoromethane	2.1 J	4.0	0.64	ug/m3	TO-15
cis-1,2-Dichloroethylene	3.3	0.63	1.2	ug/m3	TO-15
Ethanol	614 E	3.8	3.0	ug/m3	TO-15
Ethylbenzene	11	3.5	1.0	ug/m3	TO-15
Ethyl Acetate	529	2.9	1.5	ug/m3	TO-15
Heptane	7.0	3.3	1.5	ug/m3	TO-15
Hexane	7.8	2.8	1.6	ug/m3	TO-15
Isopropyl Alcohol	376	2.0	1.4	ug/m3	TO-15
Methylene chloride	4.5	2.8	0.76	ug/m3	TO-15
Methyl ethyl ketone	3.8	2.4	1.3	ug/m3	TO-15
1,2,4-Trimethylbenzene	7.9	3.9	1.7	ug/m3	TO-15
2,2,4-Trimethylpentane	5.6	3.7	1.8	ug/m3	TO-15
Tertiary Butyl Alcohol	16	2.4	1.1	ug/m3	TO-15
Tetrachloroethylene	24	1.1	0.38	ug/m3	TO-15
Toluene	32	3.0	0.87	ug/m3	TO-15
Trichloroethylene	7.0	0.86	0.41	ug/m3	TO-15
Vinyl Acetate	39.0	2.8	1.6	ug/m3	TO-15
m,p-Xylene	45.6	3.5	2.4	ug/m3	TO-15
o-Xylene	15	3.5	1.3	ug/m3	TO-15
Xylenes (total)	60.8	3.5	1.3	ug/m3	TO-15
JD42150-12 VP-2					
Acetone (2-Propanone)	17.3	0.80	0.58	ppbv	TO-15
Benzene	1.2	0.80	0.25	ppbv	TO-15
Chloromethane	0.79 J	0.80	0.36	ppbv	TO-15
Cyclohexane	0.73 J	0.80	0.44	ppbv	TO-15
Dichlorodifluoromethane	0.45 J	0.80	0.13	ppbv	TO-15
m-Dichlorobenzene	0.60	0.40	0.16	ppbv	TO-15

Summary of Hits

Job Number: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Ethanol	246 E	2.0	1.6	ppbv	TO-15
Ethylbenzene	5.8	0.80	0.24	ppbv	TO-15
Ethyl Acetate	114	0.80	0.42	ppbv	TO-15
4-Ethyltoluene	0.43 J	0.80	0.38	ppbv	TO-15
Heptane	1.2	0.80	0.37	ppbv	TO-15
Hexane	1.3	0.80	0.45	ppbv	TO-15
Isopropyl Alcohol	123	0.80	0.56	ppbv	TO-15
Methylene chloride	1.1	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone	1.5	0.80	0.44	ppbv	TO-15
1,2,4-Trimethylbenzene	2.4	0.80	0.35	ppbv	TO-15
1,3,5-Trimethylbenzene	0.44 J	0.80	0.32	ppbv	TO-15
2,2,4-Trimethylpentane	0.85	0.80	0.38	ppbv	TO-15
Tertiary Butyl Alcohol	4.2	0.80	0.37	ppbv	TO-15
Tetrachloroethylene	2.5	0.16	0.056	ppbv	TO-15
Toluene	6.8	0.80	0.23	ppbv	TO-15
Vinyl Acetate	5.7	0.80	0.45	ppbv	TO-15
m,p-Xylene	30.6	0.80	0.56	ppbv	TO-15
o-Xylene	10.6	0.80	0.31	ppbv	TO-15
Xylenes (total)	41.3	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)	41.1	1.9	1.4	ug/m3	TO-15
Benzene	3.8	2.6	0.80	ug/m3	TO-15
Chloromethane	1.6 J	1.7	0.74	ug/m3	TO-15
Cyclohexane	2.5 J	2.8	1.5	ug/m3	TO-15
Dichlorodifluoromethane	2.2 J	4.0	0.64	ug/m3	TO-15
m-Dichlorobenzene	3.6	2.4	0.96	ug/m3	TO-15
Ethanol	464 E	3.8	3.0	ug/m3	TO-15
Ethylbenzene	25	3.5	1.0	ug/m3	TO-15
Ethyl Acetate	410	2.9	1.5	ug/m3	TO-15
4-Ethyltoluene	2.1 J	3.9	1.9	ug/m3	TO-15
Heptane	4.9	3.3	1.5	ug/m3	TO-15
Hexane	4.6	2.8	1.6	ug/m3	TO-15
Isopropyl Alcohol	302	2.0	1.4	ug/m3	TO-15
Methylene chloride	3.8	2.8	0.76	ug/m3	TO-15
Methyl ethyl ketone	4.4	2.4	1.3	ug/m3	TO-15
1,2,4-Trimethylbenzene	12	3.9	1.7	ug/m3	TO-15
1,3,5-Trimethylbenzene	2.2 J	3.9	1.6	ug/m3	TO-15
2,2,4-Trimethylpentane	4.0	3.7	1.8	ug/m3	TO-15
Tertiary Butyl Alcohol	13	2.4	1.1	ug/m3	TO-15
Tetrachloroethylene	17	1.1	0.38	ug/m3	TO-15
Toluene	26	3.0	0.87	ug/m3	TO-15
Vinyl Acetate	20	2.8	1.6	ug/m3	TO-15
m,p-Xylene	133	3.5	2.4	ug/m3	TO-15
o-Xylene	46.0	3.5	1.3	ug/m3	TO-15
Xylenes (total)	179	3.5	1.3	ug/m3	TO-15

Summary of Hits

Job Number: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD42150-13	**VP-3**					
Acetone (2-Propanone)		51.4	0.80	0.58	ppbv	TO-15
Benzene		0.81	0.80	0.25	ppbv	TO-15
Chloroform		0.83	0.80	0.15	ppbv	TO-15
Dichlorodifluoromethane		0.45 J	0.80	0.13	ppbv	TO-15
trans-1,2-Dichloroethylene		0.40 J	0.80	0.28	ppbv	TO-15
cis-1,2-Dichloroethylene		5.9	0.16	0.31	ppbv	TO-15
m-Dichlorobenzene		0.51	0.40	0.16	ppbv	TO-15
Ethanol		166	2.0	1.6	ppbv	TO-15
Ethylbenzene		8.7	0.80	0.24	ppbv	TO-15
Ethyl Acetate		72.1	0.80	0.42	ppbv	TO-15
4-Ethyltoluene		0.44 J	0.80	0.38	ppbv	TO-15
Heptane		0.94	0.80	0.37	ppbv	TO-15
Hexane		0.83	0.80	0.45	ppbv	TO-15
Isopropyl Alcohol		97.1	0.80	0.56	ppbv	TO-15
Methylene chloride		0.90	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone		2.9	0.80	0.44	ppbv	TO-15
Propylene		1.4 J	2.0	0.57	ppbv	TO-15
1,2,4-Trimethylbenzene		2.2	0.80	0.35	ppbv	TO-15
1,3,5-Trimethylbenzene		0.44 J	0.80	0.32	ppbv	TO-15
2,2,4-Trimethylpentane		0.59 J	0.80	0.38	ppbv	TO-15
Tertiary Butyl Alcohol		2.6	0.80	0.37	ppbv	TO-15
Tetrachloroethylene		120	0.16	0.056	ppbv	TO-15
Toluene		6.0	0.80	0.23	ppbv	TO-15
Trichloroethylene		28.8	0.16	0.076	ppbv	TO-15
Vinyl Acetate		2.5	0.80	0.45	ppbv	TO-15
m,p-Xylene		49.0	0.80	0.56	ppbv	TO-15
o-Xylene		17.7	0.80	0.31	ppbv	TO-15
Xylenes (total)		66.7	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)		122	1.9	1.4	ug/m3	TO-15
Benzene		2.6	2.6	0.80	ug/m3	TO-15
Chloroform		4.1	3.9	0.73	ug/m3	TO-15
Dichlorodifluoromethane		2.2 J	4.0	0.64	ug/m3	TO-15
trans-1,2-Dichloroethylene		1.6 J	3.2	1.1	ug/m3	TO-15
cis-1,2-Dichloroethylene		23	0.63	1.2	ug/m3	TO-15
m-Dichlorobenzene		3.1	2.4	0.96	ug/m3	TO-15
Ethanol		313	3.8	3.0	ug/m3	TO-15
Ethylbenzene		38	3.5	1.0	ug/m3	TO-15
Ethyl Acetate		260	2.9	1.5	ug/m3	TO-15
4-Ethyltoluene		2.2 J	3.9	1.9	ug/m3	TO-15
Heptane		3.9	3.3	1.5	ug/m3	TO-15
Hexane		2.9	2.8	1.6	ug/m3	TO-15
Isopropyl Alcohol		239	2.0	1.4	ug/m3	TO-15
Methylene chloride		3.1	2.8	0.76	ug/m3	TO-15

Summary of Hits

Job Number: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Methyl ethyl ketone	8.6	2.4	1.3	ug/m3	TO-15
Propylene	2.4 J	3.4	0.98	ug/m3	TO-15
1,2,4-Trimethylbenzene	11	3.9	1.7	ug/m3	TO-15
1,3,5-Trimethylbenzene	2.2 J	3.9	1.6	ug/m3	TO-15
2,2,4-Trimethylpentane	2.8 J	3.7	1.8	ug/m3	TO-15
Tertiary Butyl Alcohol	7.9	2.4	1.1	ug/m3	TO-15
Tetrachloroethylene	814	1.1	0.38	ug/m3	TO-15
Toluene	23	3.0	0.87	ug/m3	TO-15
Trichloroethylene	155	0.86	0.41	ug/m3	TO-15
Vinyl Acetate	8.8	2.8	1.6	ug/m3	TO-15
m,p-Xylene	213	3.5	2.4	ug/m3	TO-15
o-Xylene	76.9	3.5	1.3	ug/m3	TO-15
Xylenes (total)	290	3.5	1.3	ug/m3	TO-15
JD42150-14 DUP-1					
Acetone (2-Propanone)	59.5	0.80	0.58	ppbv	TO-15
Benzene	0.45 J	0.80	0.25	ppbv	TO-15
Chloroform	0.92	0.80	0.15	ppbv	TO-15
Dichlorodifluoromethane	0.42 J	0.80	0.13	ppbv	TO-15
trans-1,2-Dichloroethylene	0.45 J	0.80	0.28	ppbv	TO-15
cis-1,2-Dichloroethylene	6.6	0.16	0.31	ppbv	TO-15
Ethanol	106	2.0	1.6	ppbv	TO-15
Ethylbenzene	5.5	0.80	0.24	ppbv	TO-15
Ethyl Acetate	42.2	0.80	0.42	ppbv	TO-15
Heptane	0.49 J	0.80	0.37	ppbv	TO-15
Hexane	0.63 J	0.80	0.45	ppbv	TO-15
Isopropyl Alcohol	61.1	0.80	0.56	ppbv	TO-15
Methylene chloride	1.2	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone	2.8	0.80	0.44	ppbv	TO-15
1,2,4-Trimethylbenzene	1.7	0.80	0.35	ppbv	TO-15
Tertiary Butyl Alcohol	1.5	0.80	0.37	ppbv	TO-15
Tetrachloroethylene [a]	217	0.32	0.11	ppbv	TO-15
Toluene	3.4	0.80	0.23	ppbv	TO-15
Trichloroethylene	35.3	0.16	0.076	ppbv	TO-15
Vinyl Acetate	2.3	0.80	0.45	ppbv	TO-15
m,p-Xylene	33.5	0.80	0.56	ppbv	TO-15
o-Xylene	12.6	0.80	0.31	ppbv	TO-15
Xylenes (total)	46.1	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)	141	1.9	1.4	ug/m3	TO-15
Benzene	1.4 J	2.6	0.80	ug/m3	TO-15
Chloroform	4.5	3.9	0.73	ug/m3	TO-15
Dichlorodifluoromethane	2.1 J	4.0	0.64	ug/m3	TO-15
trans-1,2-Dichloroethylene	1.8 J	3.2	1.1	ug/m3	TO-15
cis-1,2-Dichloroethylene	26	0.63	1.2	ug/m3	TO-15

Summary of Hits

Job Number: JD42150
Account: SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Collected: 03/28/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Ethanol	200	3.8	3.0	ug/m3	TO-15
Ethylbenzene	24	3.5	1.0	ug/m3	TO-15
Ethyl Acetate	152	2.9	1.5	ug/m3	TO-15
Heptane	2.0 J	3.3	1.5	ug/m3	TO-15
Hexane	2.2 J	2.8	1.6	ug/m3	TO-15
Isopropyl Alcohol	150	2.0	1.4	ug/m3	TO-15
Methylene chloride	4.2	2.8	0.76	ug/m3	TO-15
Methyl ethyl ketone	8.3	2.4	1.3	ug/m3	TO-15
1,2,4-Trimethylbenzene	8.4	3.9	1.7	ug/m3	TO-15
Tertiary Butyl Alcohol	4.5	2.4	1.1	ug/m3	TO-15
Tetrachloroethylene [a]	1470	2.2	0.75	ug/m3	TO-15
Toluene	13	3.0	0.87	ug/m3	TO-15
Trichloroethylene	190	0.86	0.41	ug/m3	TO-15
Vinyl Acetate	8.1	2.8	1.6	ug/m3	TO-15
m,p-Xylene	146	3.5	2.4	ug/m3	TO-15
o-Xylene	54.7	3.5	1.3	ug/m3	TO-15
Xylenes (total)	200	3.5	1.3	ug/m3	TO-15

(a) Sample analyzed outside the holding time.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-101		
Lab Sample ID:	JD42150-1	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A032	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75849.D	1.48	04/26/22 17:36	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	592 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 (2-Propanone)	7.4	0.20	0.15	ppbv		18	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.062	ppbv	J	0.61	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.64	0.20	0.090	ppbv		1.3	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.17	0.20	0.11	ppbv	J	0.59	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.032	ppbv		2.1	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-101
Lab Sample ID: JD42150-1 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A032 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	120	0.50	0.39	ppbv	E	226	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	4.2	0.20	0.10	ppbv		15	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.18	0.20	0.11	ppbv	J	0.63	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.5	0.20	0.14	ppbv		6.1	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.48	0.20	0.056	ppbv		1.7	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.41	0.20	0.11	ppbv		1.2	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.27	0.20	0.093	ppbv		0.82	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	1.0	0.20	0.057	ppbv		3.8	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.036	ppbv		1.3	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.44	0.20	0.11	ppbv		1.5	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.23	0.20	0.14	ppbv		1.0	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.23	0.20	0.077	ppbv		1.0	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		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

SGS North America Inc.

Report of Analysis

Client Sample ID: IA-102
Lab Sample ID: JD42150-2 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A1605 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75850.D	1.85	04/26/22 18:28	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	740 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 (2-Propanone)	45.6	0.20	0.15	ppbv		108	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.21	0.20	0.062	ppbv		0.67	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.20	0.090	ppbv		1.2	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.43	0.20	0.032	ppbv		2.1	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-102
Lab Sample ID: JD42150-2 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A1605 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	255	0.50	0.39	ppbv	E	480	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	6.1	0.20	0.10	ppbv		22	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.21	0.20	0.11	ppbv		0.74	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	7.8	0.20	0.14	ppbv		19	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.64	0.20	0.056	ppbv		2.2	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.27	0.20	0.11	ppbv		0.80	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	0.098	0.20	0.070	ppbv	J	0.40	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.16	0.040	0.014	ppbv		1.1	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.40	0.20	0.057	ppbv		1.5	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.10	0.036	ppbv		1.3	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-103		
Lab Sample ID:	JD42150-3	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A357	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75851.D	1.75	04/26/22 19:19	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	700 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 (2-Propanone)	7.3	0.20	0.15	ppbv		17	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.15	0.20	0.062	ppbv	J	0.48	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.98	0.20	0.090	ppbv		2.0	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.040	0.040	ppbv		0.75	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.75	0.20	0.032	ppbv		3.7	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-103
Lab Sample ID: JD42150-3 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A357 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	163	0.50	0.39	ppbv	E	307	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	0.86	0.20	0.10	ppbv		3.1	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	0.11	0.10	0.031	ppbv		0.84	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.49	0.20	0.11	ppbv		1.7	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.0	0.20	0.14	ppbv		2.5	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	3.2	0.20	0.056	ppbv		11	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.30	0.20	0.11	ppbv		0.88	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.24	0.20	0.057	ppbv		0.90	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.3	0.10	0.036	ppbv		7.3	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-104		
Lab Sample ID:	JD42150-4	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A1472	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75852.D	1.53	04/26/22 20:08	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	612 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 (2-Propanone)	6.7	0.20	0.15	ppbv		16	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.16	0.20	0.062	ppbv	J	0.51	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.66	0.20	0.090	ppbv		1.4	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.20	0.032	ppbv		2.2	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-104
Lab Sample ID: JD42150-4 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A1472 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	438	0.50	0.39	ppbv	E	825	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	2.4	0.20	0.10	ppbv		8.6	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.097	0.20	0.092	ppbv	J	0.40	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	98.2	0.20	0.14	ppbv	E	241	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.39	0.20	0.056	ppbv		1.4	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.20	0.11	ppbv		0.71	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.16	0.040	0.014	ppbv		1.1	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	ND	0.20	0.057	ppbv		ND	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.20	0.10	0.036	ppbv		1.1	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-105		
Lab Sample ID:	JD42150-5	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: M004	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75853.D	1	04/26/22 20:55	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	400 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 (2-Propanone)	8.8	0.20	0.15	ppbv		21	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.23	0.20	0.062	ppbv		0.73	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.64	0.20	0.090	ppbv		1.3	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.032	ppbv		2.1	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-105
Lab Sample ID: JD42150-5 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: M004 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	32.0	0.50	0.39	ppbv		60.3	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	1.9	0.20	0.10	ppbv		6.8	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.12	0.20	0.11	ppbv	J	0.42	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	18.5	0.20	0.14	ppbv		45.5	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.32	0.20	0.056	ppbv		1.1	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.57	0.20	0.11	ppbv		1.7	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.040	0.014	ppbv		1.2	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.14	0.20	0.090	ppbv	J	0.41	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.21	0.20	0.057	ppbv		0.79	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.21	0.10	0.036	ppbv		1.2	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		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

SGS North America Inc.

Report of Analysis

Client Sample ID: IA-106
Lab Sample ID: JD42150-6 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A019 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75854.D	1	04/26/22 21:41	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	400 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 (2-Propanone)	10.9	0.20	0.15	ppbv		25.9	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.24	0.20	0.062	ppbv		0.77	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	0.11	0.20	0.068	ppbv	J	0.29	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.67	0.20	0.090	ppbv		1.4	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.20	0.032	ppbv		2.3	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-106
Lab Sample ID: JD42150-6 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A019 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	29.4	0.50	0.39	ppbv		55.4	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	2.2	0.20	0.10	ppbv		7.9	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	0.097	0.10	0.031	ppbv	J	0.74	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.14	0.20	0.11	ppbv	J	0.49	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	406	0.20	0.14	ppbv	E	998	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.35	0.20	0.056	ppbv		1.2	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.71	0.20	0.11	ppbv		2.1	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	1.3	0.50	0.14	ppbv		2.2	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.19	0.10	0.037	ppbv		1.0	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.26	0.20	0.093	ppbv		0.79	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.1	0.040	0.014	ppbv		7.5	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.44	0.20	0.090	ppbv		1.3	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.34	0.20	0.057	ppbv		1.3	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.036	ppbv		1.3	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	1.3	0.20	0.11	ppbv		4.6	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-1		
Lab Sample ID:	JD42150-8	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A1496	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75855.D	2.21	04/26/22 22:27	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	400 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 (2-Propanone)	3.6	0.44	0.32	ppbv		8.6	1.0	0.76	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.44	0.19	ppbv		ND	0.97	0.42	ug/m3
71-43-2	78.11	Benzene	0.32	0.44	0.14	ppbv	J	1.0	1.4	0.45	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.22	0.066	ppbv		ND	1.5	0.44	ug/m3
75-25-2	252.8	Bromoform	ND	0.088	0.16	ppbv		ND	0.91	1.7	ug/m3
74-83-9	94.94	Bromomethane	ND	0.44	0.15	ppbv		ND	1.7	0.58	ug/m3
593-60-2	106.9	Bromoethene	ND	0.44	0.13	ppbv		ND	1.9	0.57	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.44	0.28	ppbv		ND	2.3	1.4	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.44	0.099	ppbv		ND	1.4	0.31	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.44	0.16	ppbv		ND	2.0	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.44	0.15	ppbv		ND	1.2	0.40	ug/m3
67-66-3	119.4	Chloroform	ND	0.44	0.082	ppbv		ND	2.1	0.40	ug/m3
74-87-3	50.49	Chloromethane	0.77	0.44	0.20	ppbv		1.6	0.91	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.44	0.18	ppbv		ND	1.4	0.56	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.44	0.16	ppbv		ND	2.3	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.088	0.088	ppbv		ND	0.55	0.55	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.44	0.24	ppbv		ND	1.5	0.83	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.44	0.13	ppbv		ND	1.8	0.53	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.088	0.13	ppbv		ND	0.35	0.52	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.22	0.21	ppbv		ND	1.7	1.6	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.44	0.15	ppbv		ND	1.8	0.61	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.44	0.14	ppbv		ND	2.0	0.65	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.44	0.26	ppbv		ND	1.6	0.94	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.44	0.071	ppbv		2.2	2.2	0.35	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.22	0.11	ppbv		ND	1.9	0.94	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.44	0.15	ppbv		ND	1.7	0.59	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.088	0.17	ppbv		ND	0.35	0.67	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.44	0.14	ppbv		ND	2.0	0.64	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.22	0.088	ppbv		ND	1.3	0.53	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.088	0.34	ppbv		ND	0.53	2.0	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.22	0.42	ppbv		ND	1.3	2.5	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.44	0.22	ppbv		ND	2.0	1.0	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: IA-1
Lab Sample ID: JD42150-8 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A1496 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	65.8	1.1	0.87	ppbv		124	2.1	1.6	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.44	0.13	ppbv		ND	1.9	0.56	ug/m3
141-78-6	88	Ethyl Acetate	1.2	0.44	0.23	ppbv		4.3	1.6	0.83	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.44	0.21	ppbv		ND	2.2	1.0	ug/m3
76-13-1	187.4	Freon 113	ND	0.22	0.069	ppbv		ND	1.7	0.53	ug/m3
76-14-2	170.9	Freon 114	ND	0.22	0.11	ppbv		ND	1.5	0.77	ug/m3
142-82-5	100.2	Heptane	ND	0.44	0.20	ppbv		ND	1.8	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.20	0.14	ppbv		ND	2.1	1.5	ug/m3
110-54-3	86.18	Hexane	ND	0.44	0.25	ppbv		ND	1.6	0.88	ug/m3
591-78-6	100	2-Hexanone	ND	0.44	0.32	ppbv		ND	1.8	1.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	22.1	0.44	0.31	ppbv		54.3	1.1	0.76	ug/m3
75-09-2	84.94	Methylene chloride	0.56	0.44	0.12	ppbv		1.9	1.5	0.42	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.44	0.24	ppbv		ND	1.3	0.71	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.44	0.16	ppbv		ND	1.8	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.44	0.18	ppbv		ND	1.6	0.65	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.44	0.15	ppbv		ND	1.8	0.61	ug/m3
115-07-1	42	Propylene	ND	1.1	0.31	ppbv		ND	1.9	0.53	ug/m3
100-42-5	104.1	Styrene	ND	0.44	0.26	ppbv		ND	1.9	1.1	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.22	0.082	ppbv		ND	1.2	0.45	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.22	0.11	ppbv		ND	1.5	0.76	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.22	0.084	ppbv		ND	1.2	0.46	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.22	0.27	ppbv		ND	1.6	2.0	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.44	0.19	ppbv		ND	2.2	0.93	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.44	0.18	ppbv		ND	2.2	0.88	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.44	0.21	ppbv		ND	2.1	0.98	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.44	0.21	ppbv		ND	1.3	0.64	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.68	0.088	0.031	ppbv		4.6	0.60	0.21	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.44	0.20	ppbv		ND	1.3	0.59	ug/m3
108-88-3	92.14	Toluene	ND	0.44	0.13	ppbv		ND	1.7	0.49	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.088	0.042	ppbv		ND	0.47	0.23	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.24	0.22	0.080	ppbv		1.3	1.2	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.088	0.15	ppbv		ND	0.22	0.38	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.44	0.25	ppbv		ND	1.5	0.88	ug/m3
	106.2	m,p-Xylene	ND	0.44	0.31	ppbv		ND	1.9	1.3	ug/m3
95-47-6	106.2	o-Xylene	ND	0.44	0.17	ppbv		ND	1.9	0.74	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.44	0.17	ppbv		ND	1.9	0.74	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-2		
Lab Sample ID:	JD42150-9	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A061	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75856.D	1.65	04/26/22 23:17	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	660 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 (2-Propanone)	4.0	0.20	0.15	ppbv		9.5	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.27	0.20	0.062	ppbv		0.86	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.64	0.20	0.090	ppbv		1.3	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.20	0.032	ppbv		2.2	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-2
Lab Sample ID: JD42150-9 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A061 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	29.4	0.50	0.39	ppbv		55.4	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	1.1	0.20	0.10	ppbv		4.0	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.18	0.20	0.11	ppbv	J	0.63	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	27.4	0.20	0.14	ppbv		67.4	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.48	0.20	0.056	ppbv		1.7	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.32	0.20	0.11	ppbv		0.94	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	0.61	0.50	0.14	ppbv		1.0	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.098	0.10	0.037	ppbv	J	0.53	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.85	0.040	0.014	ppbv		5.8	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.21	0.20	0.057	ppbv		0.79	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.10	0.036	ppbv		1.7	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-3		
Lab Sample ID:	JD42150-10	**Date Sampled:**	03/28/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A992	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75857.D	1.6	04/27/22 00:07	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	640 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 (2-Propanone)	8.9	0.20	0.15	ppbv		21	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.43	0.20	0.062	ppbv		1.4	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.16	0.20	0.037	ppbv	J	0.78	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.60	0.20	0.090	ppbv		1.2	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.20	0.032	ppbv		2.1	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.11	0.040	0.077	ppbv		0.44	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	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: IA-3
Lab Sample ID: JD42150-10 **Date Sampled:** 03/28/22
Matrix: AIR - Indoor Air Comp. Summa ID: A992 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	15.6	0.50	0.39	ppbv		29.4	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	2.3	0.20	0.10	ppbv		8.3	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.16	0.20	0.11	ppbv	J	0.56	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	30.9	0.20	0.14	ppbv		76.0	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.38	0.20	0.056	ppbv		1.3	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.23	0.20	0.11	ppbv		0.68	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.16	0.20	0.073	ppbv	J	0.66	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	0.58	0.50	0.14	ppbv		1.0	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.17	0.10	0.037	ppbv		0.93	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.8	0.040	0.014	ppbv		19	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.28	0.20	0.057	ppbv		1.1	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.37	0.040	0.019	ppbv		2.0	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.10	0.036	ppbv		1.3	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	0.14	0.20	0.11	ppbv	J	0.49	0.70	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	VP-1		
Lab Sample ID:	JD42150-11	**Date Sampled:**	03/28/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A518	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75858.D	1.6	04/27/22 00:50	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	160 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 (2-Propanone)	17.6	0.80	0.58	ppbv		41.8	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	1.9	0.80	0.25	ppbv		6.1	2.6	0.80	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.51	0.80	0.18	ppbv	J	1.6	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.36	ppbv		ND	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	1.0	0.80	0.44	ppbv		3.4	2.8	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.39	ppbv		ND	3.1	3.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.80	0.13	ppbv	J	2.1	4.0	0.64	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.82	0.16	0.31	ppbv		3.3	0.63	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.16	ppbv		ND	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.62	ppbv		ND	0.96	3.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.76	ppbv		ND	2.4	4.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	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: VP-1
Lab Sample ID: JD42150-11 **Date Sampled:** 03/28/22
Matrix: AIR - Soil Vapor Comp. Summa ID: A518 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	326	2.0	1.6	ppbv	E	614	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	2.5	0.80	0.24	ppbv		11	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	147	0.80	0.42	ppbv		529	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	1.7	0.80	0.37	ppbv		7.0	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	2.2	0.80	0.45	ppbv		7.8	2.8	1.6	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	153	0.80	0.56	ppbv		376	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.80	0.22	ppbv		4.5	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.3	0.80	0.44	ppbv		3.8	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.47	ppbv		ND	3.4	2.0	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.6	0.80	0.35	ppbv		7.9	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	1.2	0.80	0.38	ppbv		5.6	3.7	1.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	5.2	0.80	0.37	ppbv		16	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.6	0.16	0.056	ppbv		24	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	8.6	0.80	0.23	ppbv		32	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	1.3	0.16	0.076	ppbv		7.0	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.14	ppbv		ND	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	11.1	0.80	0.45	ppbv		39.0	2.8	1.6	ug/m3
	106.2	m,p-Xylene	10.5	0.80	0.56	ppbv		45.6	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	3.5	0.80	0.31	ppbv		15	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	14.0	0.80	0.31	ppbv		60.8	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	VP-2		
Lab Sample ID:	JD42150-12	**Date Sampled:**	03/28/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M187	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75859.D	1.48	04/27/22 01:31	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	148 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 (2-Propanone)	17.3	0.80	0.58	ppbv		41.1	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	1.2	0.80	0.25	ppbv		3.8	2.6	0.80	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	0.79	0.80	0.36	ppbv	J	1.6	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	0.73	0.80	0.44	ppbv	J	2.5	2.8	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.39	ppbv		ND	3.1	3.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.80	0.13	ppbv	J	2.2	4.0	0.64	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	0.31	ppbv		ND	0.63	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.60	0.40	0.16	ppbv		3.6	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.62	ppbv		ND	0.96	3.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.76	ppbv		ND	2.4	4.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	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: VP-2
Lab Sample ID: JD42150-12 **Date Sampled:** 03/28/22
Matrix: AIR - Soil Vapor Comp. Summa ID: M187 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	246	2.0	1.6	ppbv	E	464	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	5.8	0.80	0.24	ppbv		25	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	114	0.80	0.42	ppbv		410	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.43	0.80	0.38	ppbv	J	2.1	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	1.2	0.80	0.37	ppbv		4.9	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	1.3	0.80	0.45	ppbv		4.6	2.8	1.6	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	123	0.80	0.56	ppbv		302	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.1	0.80	0.22	ppbv		3.8	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.5	0.80	0.44	ppbv		4.4	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.47	ppbv		ND	3.4	2.0	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.4	0.80	0.35	ppbv		12	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.44	0.80	0.32	ppbv	J	2.2	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.85	0.80	0.38	ppbv		4.0	3.7	1.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.2	0.80	0.37	ppbv		13	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.5	0.16	0.056	ppbv		17	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	6.8	0.80	0.23	ppbv		26	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.076	ppbv		ND	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.14	ppbv		ND	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	5.7	0.80	0.45	ppbv		20	2.8	1.6	ug/m3
	106.2	m,p-Xylene	30.6	0.80	0.56	ppbv		133	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	10.6	0.80	0.31	ppbv		46.0	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	41.3	0.80	0.31	ppbv		179	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	114%		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

SGS North America Inc.

Report of Analysis

Client Sample ID:	VP-3		
Lab Sample ID:	JD42150-13	**Date Sampled:**	03/28/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A625	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75860.D	1	04/27/22 02:12	TCH	n/a	n/a	V3W2984
Run #2							

	Initial Volume
Run #1	100 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 (2-Propanone)	51.4	0.80	0.58	ppbv		122	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	0.81	0.80	0.25	ppbv		2.6	2.6	0.80	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	0.83	0.80	0.15	ppbv		4.1	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.36	ppbv		ND	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.44	ppbv		ND	2.8	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.39	ppbv		ND	3.1	3.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.45	0.80	0.13	ppbv	J	2.2	4.0	0.64	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.40	0.80	0.28	ppbv	J	1.6	3.2	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	5.9	0.16	0.31	ppbv		23	0.63	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	0.51	0.40	0.16	ppbv		3.1	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.62	ppbv		ND	0.96	3.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.76	ppbv		ND	2.4	4.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	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: VP-3
Lab Sample ID: JD42150-13 **Date Sampled:** 03/28/22
Matrix: AIR - Soil Vapor Comp. Summa ID: A625 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	166	2.0	1.6	ppbv		313	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	8.7	0.80	0.24	ppbv		38	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	72.1	0.80	0.42	ppbv		260	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.44	0.80	0.38	ppbv	J	2.2	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	0.94	0.80	0.37	ppbv		3.9	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	0.83	0.80	0.45	ppbv		2.9	2.8	1.6	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	97.1	0.80	0.56	ppbv		239	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	0.90	0.80	0.22	ppbv		3.1	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.9	0.80	0.44	ppbv		8.6	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	1.4	2.0	0.57	ppbv	J	2.4	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.47	ppbv		ND	3.4	2.0	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	2.2	0.80	0.35	ppbv		11	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.44	0.80	0.32	ppbv	J	2.2	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.59	0.80	0.38	ppbv	J	2.8	3.7	1.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	2.6	0.80	0.37	ppbv		7.9	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	120	0.16	0.056	ppbv		814	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	6.0	0.80	0.23	ppbv		23	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	28.8	0.16	0.076	ppbv		155	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.14	ppbv		ND	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	2.5	0.80	0.45	ppbv		8.8	2.8	1.6	ug/m3
	106.2	m,p-Xylene	49.0	0.80	0.56	ppbv		213	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	17.7	0.80	0.31	ppbv		76.9	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	66.7	0.80	0.31	ppbv		290	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	116%		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

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP-1
Lab Sample ID: JD42150-14 **Date Sampled:** 03/28/22
Matrix: AIR - Soil Vapor Comp. Summa ID: A790 **Date Received:** 03/29/22
Method: TO-15 **Percent Solids:** n/a
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W75861.D	1	04/27/22 02:53	TCH	n/a	n/a	V3W2984
Run #2 [a]	3W75918.D	1	04/29/22 02:38	TCH	n/a	n/a	V3W2986

	Initial Volume
Run #1	100 ml
Run #2	50.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	59.5	0.80	0.58	ppbv		141	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	0.45	0.80	0.25	ppbv	J	1.4	2.6	0.80	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	0.92	0.80	0.15	ppbv		4.5	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.36	ppbv		ND	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.44	ppbv		ND	2.8	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.39	ppbv		ND	3.1	3.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.80	0.13	ppbv	J	2.1	4.0	0.64	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.45	0.80	0.28	ppbv	J	1.8	3.2	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	6.6	0.16	0.31	ppbv		26	0.63	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.16	ppbv		ND	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.62	ppbv		ND	0.96	3.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.76	ppbv		ND	2.4	4.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	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:	DUP-1		
Lab Sample ID:	JD42150-14	**Date Sampled:**	03/28/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A790	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	106	2.0	1.6	ppbv		200	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	5.5	0.80	0.24	ppbv		24	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	42.2	0.80	0.42	ppbv		152	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	0.49	0.80	0.37	ppbv	J	2.0	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	0.63	0.80	0.45	ppbv	J	2.2	2.8	1.6	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	61.1	0.80	0.56	ppbv		150	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.80	0.22	ppbv		4.2	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.8	0.80	0.44	ppbv		8.3	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	ND	2.0	0.57	ppbv		ND	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.47	ppbv		ND	3.4	2.0	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.7	0.80	0.35	ppbv		8.4	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.38	ppbv		ND	3.7	1.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	1.5	0.80	0.37	ppbv		4.5	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	217 [b]	0.32	0.11	ppbv		1470 [b]	2.2	0.75	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	3.4	0.80	0.23	ppbv		13	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	35.3	0.16	0.076	ppbv		190	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.14	ppbv		ND	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	2.3	0.80	0.45	ppbv		8.1	2.8	1.6	ug/m3
	106.2	m,p-Xylene	33.5	0.80	0.56	ppbv		146	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	12.6	0.80	0.31	ppbv		54.7	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	46.1	0.80	0.31	ppbv		200	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	114%	109%	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

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	JD42150-14	**Date Sampled:**	03/28/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A790	**Date Received:**	03/29/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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
- 2021 MDL Study - Method: TO-15

SGS

AIR

CHAIN OF CUSTODY - AIR

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
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www.sgs.com/ehsusa

PAGE 1 OF 2

FED-EX Tracking #	Bottle Order Control # PREM-KR-032182-101
SGS Quote #	SGS Job # JD42150

Client / Reporting Information	Project Information	Weather Parameters
Company Name: SESI Consulting Engineers	Project Name: Spic and Span Cleaners	Temperature (Fahrenheit) Start: 21 Maximum:
Address: 12A Maple Ave State: NJ Zip	Street: 79-81 Pondfield Road	Stop: 32 Minimum:
City: Pine Brook State: NJ	City: Bronxville State: NY	Atmoshpheric Pressure (inches of Hg) Start: 29.89 Maximum:
Project Contact: Patricia Petrino E-mail: Patricia.petrino@sesi.org	Project #: 11663	Stop: 29.90 Minimum:
Phone #: (973) 808-7050	Client Purchase Order #	Other weather comment:
Sampler(s) Name(s)		

Lab Sample #	Field ID / Point of Collection	Air Type: Ind (I) Soil Vap (SV) Amb (A)	Res (R) Non-Res (NR)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Date	Start Time (24hr clock)	Start Canister Pressure ("Hg)	Start Interior Temp (F)	Start Sampler Init.	Stop Date	Stop Time (24hr clock)	Stop Canister Pressure ("Hg)	Stop Interior Temp (F)	Stop Sampler Init.	Requested Analysis: TO-15
1	IA-101	I	NR	A032	6L	FC173		0919	30	72	Jnoon	3/28/22	1614	10	72	Jnoon	X
2	IA-102	↓	↓	A1605	6L	FC566	3/28/22	0915	28	72	Jnoon	3/28/22	1446	11.5	72	Jnoon	X
3	IA-103	↓	↓	A357	6L	ML234		0916	27	72	Jnoon	3/28/22	1445	9.5	72	Jnoon	X
4	IA-104	↓	↓	A1472	6L	FC632	3/28/22	0935	30	75	Jnoon	3/28/22	1616	11	72	Jnoon	X
5	IA-105	↓	↓	M004	6L	FC660		0933	29	72	Jnoon	3/28/22	1647	5	72	Jnoon	X
6	IA-106	↓	↓	A019	6L	FC723		0927	30	72	Jnoon	3/28/22	1724	8	72	Jnoon	X
7	AA-1	A	↓	A360	6L	FC1006		0929	30	21	Jnoon	3/28/22	0730	5	21	Jnoon	X
8	IA-1	I	↓	A1486	6L	FC679	3/28/22	942	27	72	Jnoon	3/28/22	1725	18.5	72	Jnoon	X
9	IA-2	↓	↓	A061	6L	ML036	3/28/22	0941	29.5	72	Jnoon	3/28/22	1604	9.5	72	Jnoon	X
10	IA-3	↓	↓	A992	6L	FC346	3/28/22	0943	29	72	Jnoon	3/28/22	1603	10	72	Jnoon	X

X SUMMA

Turnaround Time (Business days)
- 15 Business Days
- 10 Business Days
- 5 Business Days
- 3 Business Days *
- 2 Business Days *
- 1 Business Day *
- Other

Initial Assessment: CE 413 Approved By:
Label Verification ____ Date:

* Approval needed for 1-3 Business Day TAT

Data Deliverable Information
All NJDEP TO-15 is mandatory Full T1
- Comm A
- Comm B
- Reduced T2
- Full T1
- Other:
- DKQP reporting

Comments / Remarks
* FC look had a leak.

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 [signature]	3/24/22 15:10	1 [signature]	2 [signature]		2 Robin Tong
Relinquished by: 3 Robin Tong	Date / Time: 3-29-22 1900	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #		

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

EHSA-QAC-0022-01-FORM-Dayton-Air COC
Rev.date:1/15/2021

5.1
5

JD42150: Chain of Custody
Page 1 of 4

SGS

CHAIN OF CUSTODY - AIR

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 #: PREM-RR-033188-101
SGS Quote #:
SGS Job #: JD 42150

Client / Reporting Information

Company Name:
Address:
City: State: Zip:
Project Contact: E-mail:
Phone #:
Sampler(s) Name(s):

Project Information

Project Name:
Street:
City: State:
Project #:
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit) Start: 21 Maximum: Stop: Minimum:
Atmoshpheric Pressure (inches of Hg) Start: 29.89 Maximum: Stop: Minimum:
Other weather comment:

Requested Analysis

TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Ind (I) Soil Vap (SV) Amb (A)	Air Type: Res (R) Non-Res (NR)	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.
11	VP-1	SV	NR	A518	1L	FC821	3/28/22	1240	29	72	JMcG	3/29/22	1309	10.5	72	JMcG
12	VP-2			M187	1L	MC209	3/28/22	1314	28	72		3/29/22	1354	9	72	
13	VP-3			A625	1L	FC370	3/28/22	1324	28.5	72		3/29/22	1339	5	72	JMcG
14	DUP-1			A790	1L	FC794	3/28/22	1340	28	72		3/29/22	1353	7.5	72	JMcG

Turnaround Time (Business days)

- 15 Business Days
- 10 Business Days — Approved By:
- 5 Business Days
- 3 Business Days *
- 2 Business Days * — Date:
- 1 Business Day *
- Other

* Approval needed for 1-3 Business Day TAT

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

- Comm A
- Comm B
- Reduced T2
- Full T1
- 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		3/28/22 15:10				
2		3.29.22				
3						
4						
5			Custody Seal #			

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

EHSA-QAC-0022-01-FORM-Dayton-Air COC
Rev.date:1/15/2021

SGS Sample Receipt Summary

Job Number: JD42150 **Client:** SESI CONSULTING ENGINEERS **Project:** SPIC AND SPAN CLEANERS, 79 PONDFIELD R

Date / Time Received: 3/29/2022 7:00:00 PM **Delivery Method:** SGS **Airbill #'s:**

Cooler Temps (Raw Measured) °C: SESI CONSULTING ENGINEERS

Cooler Temps (Corrected) °C: NONE

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: 231619 pH 12+: 203117A Other: (Specify)

Comments 1.) No Analysis marked on the COC fro samples -11 thru -14.

SM089-03
Rev. Date 12/7/17

Job Change Order: JD42150

Requested Date: 4/4/2022 **Received Date:** 3/29/2022

Account Name: SESI Consulting Engineers **Due Date:** 4/4/2022

Project Description: Spic and Span Cleaners, 79 Pondfield Road, Bro **Deliverable:** NYASPB

C/O Initiated By: KELLY.RAM **PM:** KR **TAT (Days):** 7

==========

Sample #: JD42150-7 **Change:**

Please cancel VTO15STD

Dept:

TAT: 7

AA-1

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Above Changes Per: Patricia Petrino **Date/Time:** 4/4/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Page 1 of 1

JD42150: Chain of Custody
Page 4 of 4

Summa Canister and Flow Controller Log

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/29/22

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
A032	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-1	04/04/22	AB	8		1.2	1.48
A1605	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-2	04/04/22	AB	12.5		1.1	1.85
A357	6	29.4	03/24/22	ML	CP11632	2W58403.D	JD42150-3	04/04/22	AB	11.5		1.1	1.75
A1472	6	29.4	03/24/22	ML	CP11631	6W24540.D	JD42150-4	04/04/22	AB	8.5		1.3	1.52
M004	6	29.4	03/24/22	ML	CP11623	2W58371.D	JD42150-5	04/04/22	AB	5.5			1
A019	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-6	04/04/22	AB	6			1
A360	6	29.4	03/24/22	ML	CP11632	2W58403.D	JD42150-7	04/04/22	AB	30			1
A1496	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-8	04/04/22	AB	15.5		1	2.22
A061	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-9	04/04/22	AB	10.5		1	1.65
A992	6	29.4	03/24/22	ML	CP11629	2W58451.D	JD42150-10	04/04/22	AB	10		1	1.6
A518	1	29.4	03/24/22	ML	CP11627	2W58480.D	JD42150-11	03/30/22	AB	10		1	1.6
M187	1	29.4	03/24/22	ML	CP11627	2W58480.D	JD42150-12	03/30/22	AB	8		1.2	1.48
A625	1	29.4	03/24/22	ML	CP11627	2W58480.D	JD42150-13	03/30/22	AB	4			1
A790	1	29.4	03/24/22	ML	CP11627	2W58480.D	JD42150-14	03/30/22	AB	6.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC173	03/24/22	ML	10.5	8	04/01/22	AB	10.6	0.9	Flow Controller
FC346	03/24/22	ML	10.3	8	04/01/22	AB	10.5	1.9	Flow Controller
FC370	03/24/22	ML	55	.25	03/31/22	AB	58	5.3	Flow Controller
FC566	03/24/22	ML	10.5	8	04/01/22	AB	10.8	2.8	Flow Controller
FC637	03/24/22	ML	10.4	8	04/01/22	AB	11.2	7.4	Flow Controller
FC660	03/24/22	ML	10.5	8	04/01/22	AB	10.8	2.8	Flow Controller
FC679	03/24/22	ML	10.3	8	04/01/22	AB	11.1	7.5	Flow Controller
FC723	03/24/22	ML	10.5	8	04/01/22	AB	11	4.7	Flow Controller
FC794	03/24/22	ML	56	.25	03/31/22	AB	60	6.9	Flow Controller
FC821	03/24/22	ML	55	.25	03/31/22	AB	59	7	Flow Controller
MC036	03/24/22	ML	10.3	8	03/31/22	AB	11	6.6	Flow Controller
MC209	03/24/22	ML	55	.25	03/31/22	AB	60	8.7	Flow Controller
MC234	03/24/22	ML	10.3	8	04/01/22	AB	10.5	1.9	Flow Controller
FC1006	03/24/22	ML	10.4	8	04/01/22	AB	10.6	1.9	Flow Controller

SGS Bottle Order(s):
PREM-KR-032122-101

Prep Date	Room Temp(F)	Bar Pres "Hg
03/24/22	70	29.92

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD42150

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD42150-1	Collected: 28-MAR-22 16:14 By: JNOON	Received: 29-MAR-22	By: KG			
IA-101						
JD42150-1	TO-15	26-APR-22 17:36	TCH			VTO15STD
JD42150-2	Collected: 28-MAR-22 14:46 By: JNOON	Received: 29-MAR-22	By: KG			
IA-102						
JD42150-2	TO-15	26-APR-22 18:28	TCH			VTO15STD
JD42150-3	Collected: 28-MAR-22 14:45 By: JNOON	Received: 29-MAR-22	By: KG			
IA-103						
JD42150-3	TO-15	26-APR-22 19:19	TCH			VTO15STD
JD42150-4	Collected: 28-MAR-22 16:16 By: JNOON	Received: 29-MAR-22	By: KG			
IA-104						
JD42150-4	TO-15	26-APR-22 20:08	TCH			VTO15STD
JD42150-5	Collected: 28-MAR-22 16:47 By: JNOON	Received: 29-MAR-22	By: KG			
IA-105						
JD42150-5	TO-15	26-APR-22 20:55	TCH			VTO15STD
JD42150-6	Collected: 28-MAR-22 17:24 By: JNOON	Received: 29-MAR-22	By: KG			
IA-106						
JD42150-6	TO-15	26-APR-22 21:41	TCH			VTO15STD
JD42150-8	Collected: 28-MAR-22 17:25 By: JNOON	Received: 29-MAR-22	By: KG			
IA-1						
JD42150-8	TO-15	26-APR-22 22:27	TCH			VTO15STD
JD42150-9	Collected: 28-MAR-22 16:04 By: JNOON	Received: 29-MAR-22	By: KG			
IA-2						
JD42150-9	TO-15	26-APR-22 23:17	TCH			VTO15STD

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD42150

Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Project No: 11663

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD42150-10	Collected: 28-MAR-22 16:03 By: JNOON IA-3			Received: 29-MAR-22	By: KG	
JD42150-10	TO-15	27-APR-22 00:07	TCH			VTO15STD
JD42150-11	Collected: 28-MAR-22 13:09 By: JNOON VP-1			Received: 29-MAR-22	By: KG	
JD42150-11	TO-15	27-APR-22 00:50	TCH			VTO15STD
JD42150-12	Collected: 28-MAR-22 13:54 By: JNOON VP-2			Received: 29-MAR-22	By: KG	
JD42150-12	TO-15	27-APR-22 01:31	TCH			VTO15STD
JD42150-13	Collected: 28-MAR-22 13:39 By: JNOON VP-3			Received: 29-MAR-22	By: KG	
JD42150-13	TO-15	27-APR-22 02:12	TCH			VTO15STD
JD42150-14	Collected: 28-MAR-22 13:53 By: JNOON DUP-1			Received: 29-MAR-22	By: KG	
JD42150-14	TO-15	27-APR-22 02:53	TCH			VTO15STD
JD42150-14	TO-15	29-APR-22 02:38	TCH			VTO15STD

SGS Internal Chain of Custody

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/29/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD42150-1.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-1.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-2.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-2.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-3.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-3.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-4.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-4.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-5.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-5.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-6.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-6.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-7.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-7.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-8.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-8.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-9.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-9.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-10.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-10.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-11.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-11.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage

SGS Internal Chain of Custody

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY
Received: 03/29/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD42150-12.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-12.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-13.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-13.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-14.1	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage
JD42150-14.2	Germain Cruz	Air Storage	03/30/22 11:37	Return to Storage

SGS North America Inc.-Dayton laboratory
TO-15 FINAL MDL for 2020-2021

METHOD	RI	LOGINNUM	SPEC_MAT	SAMPLENUM	CLIENTID	MEASUREDATE	INSTRUME	PARM_STO	PARM_SYN	FINAL MDL	RDLVALUE	COMMENT	UNITS
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	541-73-1	m-Dichlorobenzene	0.04	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	91-20-3	Naphthalene	0.127	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	127-18-4	Tetrachloroethylene	0.014	0.04	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	79-01-6	Trichloroethylene	0.019	0.04	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	71-55-6	1,1,1-Trichloroethane	0.037	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-34-3	1,1-Dichloroethane	0.057	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-35-4	1,1-Dichloroethylene	0.059	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	96-18-4	1,2,3-Trichloropropane	0.05	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	106-93-4	1,2-Dibromoethane (EDB)	0.097	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-06-2	1,2-Dichloroethane	0.07	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	78-87-5	1,2-Dichloropropane	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-67-8	1,3,5-Trimethylbenzene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	106-99-0	1,3-Butadiene	0.084	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	142-28-9	1,3-Dichloropropane	0.057	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	123-91-1	1,4-Dioxane	0.117	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	540-84-1	2,2,4-Trimethylpentane	0.095	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	565-59-3	2,3-Dimethylpentane	0.089	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-08-7	2,4-Dimethylpentane	0.104	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	95-49-8	2-Chlorotoluene	0.072	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	591-78-6	2-Hexanone	0.145	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-05-1	3-Chloropropene	0.083	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	622-96-8	4-Ethyltoluene	0.095	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	67-64-1	Acetone (2-Propanone)	0.145	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-05-8	Acetonitrile	0.171	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-02-8	Acrolein	0.0883	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-13-1	Acrylonitrile	0.091	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	71-43-2	Benzene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	100-44-7	Benzyl Chloride	0.125	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-86-1	Bromobenzene	0.154	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-27-4	Bromodichloromethane	0.03	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	593-60-2	Bromoethene	0.061	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-25-2	Bromoform	0.071	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-83-9	Bromomethane	0.069	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-15-0	Carbon disulfide	0.045	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	56-23-5	Carbon tetrachloride	0.04	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-90-7	Chlorobenzene	0.074	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-45-6	Chlorodifluoromethane	0.106	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-00-3	Chloroethane	0.068	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	67-66-3	Chloroform	0.037	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-87-3	Chloromethane	0.09	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-38-9	Chlorotrifluoroethene	0.024	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	156-59-2	cis-1,2-Dichloroethylene	0.077	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	110-82-7	Cyclohexane	0.11	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	124-48-1	Dibromochloromethane	0.052	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-95-3	Dibromomethane	0.053	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-71-8	Dichlorodifluoromethane	0.032	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-43-4	Dichlorofluoromethane	0.066	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-20-3	Di-isopropyl ether	0.082	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	64-17-5	Ethanol	0.394	0.5	5W Q-4	I ppbv

TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	141-78-6	Ethyl Acetate	0.104	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	140-88-5	Ethyl Acrylate	0.105	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	100-41-4	Ethylbenzene	0.061	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	76-13-1	Freon 113	0.031	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	76-14-2	Freon 114	0.05	0.2	5W	Q-4	I	ppbv
TO-15	JD18443B	STYA	JD18443B-1F	MDLV : 0.2	PPBV	3W	4/27/21	5:01	GCMS3W	76-15-3	Freon 115	0.0077	0.2	3W	Q-2	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	306-83-2	Freon 123	0.083	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	354-23-4	Freon 123A	0.068	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-68-3	Freon 142B	0.07	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-37-6	Freon 152A	0.06	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	142-82-5	Heptane	0.092	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	87-68-3	Hexachlorobutadiene	0.062	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	67-72-1	Hexachloroethane	0.082	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	110-54-3	Hexane	0.112	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	74-88-4	Iodomethane	0.037	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	67-63-0	Isopropyl Alcohol	0.187	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	98-82-8	Isopropylbenzene	0.064	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	M,P-XYLEN	m,p-Xylene	0.139	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	78-93-3	Methyl ethyl ketone	0.11	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	1634-04-4	Methyl Tert Butyl Ether	0.08	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-09-2	Methylene chloride	0.056	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	80-62-6	Methylmethacrylate	0.07	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	106-97-8	n-Butane	0.106	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	104-51-8	n-Butylbenzene	0.106	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	111-84-2	Nonane	0.1	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	103-65-1	n-Propylbenzene	0.091	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	111-65-9	Octane	0.12	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	95-50-1	o-Dichlorobenzene	0.154	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	95-47-6	o-Xylene	0.077	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	106-46-7	p-Dichlorobenzene	0.191	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	109-66-0	Pentane	0.138	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	99-87-6	p-Isopropyltoluene	0.08	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	115-07-1	Propylene	0.142	0.5	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	135-98-8	sec-Butylbenzene	0.081	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	100-42-5	Styrene	0.118	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	98-06-6	tert-Butylbenzene	0.083	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	109-99-9	Tetrahydrofuran	0.09	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-88-3	Toluene	0.057	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	156-60-5	trans-1,2-Dichloroethylene	0.069	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-69-4	Trichlorofluoromethane	0.036	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	TVHC AS EC	TVHC As Equiv Pentane	0.136	10	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-05-4	Vinyl Acetate	0.112	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-01-4	Vinyl chloride	0.069	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-4E	MDLV : 0.1	PPBV	2W	12/30/21	4:35	GCMS2W	67-63-0	Isopropyl Alcohol	0.141	0.2	2W	Q-4	I	ppbv

MS Volatiles

6

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-MB	3W75843.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-MB	3W75843.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-MB	3W75843.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

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

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2986-MB	3W75900.D	1	04/28/22	TCH	n/a	n/a	V3W2986

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

JD42150-14

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	124%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	4.23	7.1	ppbv	JN
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-MB	2W58369.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-MB	2W58369.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-MB	2W58369.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

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

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	1.76	2.4	ppbv	JN
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-MB	2W58427.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-MB	2W58427.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-MB	2W58427.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-SCC

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

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-MB	2W58458.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-MB	2W58458.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-MB	2W58458.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

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

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-BS	3W75840.D	1	04/26/22	TCH	n/a	n/a	V3W2984
V3W2984-BSD	3W75841.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	10.4	104	10.2	102	2	70-130/30
106-99-0	1,3-Butadiene	10	9.0	90	8.9	89	1	70-130/30
71-43-2	Benzene	10	9.8	98	9.9	99	1	70-130/30
75-27-4	Bromodichloromethane	10	9.9	99	9.9	99	0	70-130/30
75-25-2	Bromoform	10	8.7	87	8.6	86	1	70-130/30
74-83-9	Bromomethane	10	7.7	77	7.3	73	5	70-130/30
593-60-2	Bromoethene	10	8.9	89	8.6	86	3	70-130/30
100-44-7	Benzyl Chloride	10	9.5	95	9.4	94	1	70-130/30
75-15-0	Carbon disulfide	10	10.2	102	10.3	103	1	70-130/30
108-90-7	Chlorobenzene	10	9.1	91	9.1	91	0	70-130/30
75-00-3	Chloroethane	10	9.1	91	8.7	87	4	70-130/30
67-66-3	Chloroform	10	9.5	95	9.5	95	0	70-130/30
74-87-3	Chloromethane	10	11.1	111	10.5	105	6	70-130/30
107-05-1	3-Chloropropene	10	10.4	104	10.3	103	1	70-130/30
95-49-8	2-Chlorotoluene	10	9.1	91	9.0	90	1	70-130/30
56-23-5	Carbon tetrachloride	10	9.7	97	9.6	96	1	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	10.5	105	10.5	105	0	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.8	98	9.6	96	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	9.0	90	9.0	90	0	70-130/30
107-06-2	1,2-Dichloroethane	10	10.1	101	10	100	1	70-130/30
78-87-5	1,2-Dichloropropane	10	10.5	105	10.6	106	1	70-130/30
123-91-1	1,4-Dioxane	10	9.7	97	10	100	3	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.1	101	9.9	99	2	70-130/30
124-48-1	Dibromochloromethane	10	9.0	90	9.0	90	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.6	96	9.4	94	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	9.7	97	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.1	101	10.2	102	1	70-130/30
541-73-1	m-Dichlorobenzene	10	9.1	91	8.8	88	3	70-130/30
95-50-1	o-Dichlorobenzene	10	9.2	92	9.0	90	2	70-130/30
106-46-7	p-Dichlorobenzene	10	9.0	90	8.8	88	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10	100	10.0	100	0	70-130/30
64-17-5	Ethanol	10	9.1	91	9.2	92	1	70-130/30
100-41-4	Ethylbenzene	10	9.3	93	9.3	93	0	70-130/30
141-78-6	Ethyl Acetate	10	11.0	110	11.1	111	1	70-130/30
622-96-8	4-Ethyltoluene	10	9.5	95	9.4	94	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-BS	3W75840.D	1	04/26/22	TCH	n/a	n/a	V3W2984
V3W2984-BSD	3W75841.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	9.2	92	1	70-130/30
76-14-2	Freon 114	10	9.2	92	8.9	89	3	70-130/30
142-82-5	Heptane	10	11.6	116	11.6	116	0	70-130/30
87-68-3	Hexachlorobutadiene	10	8.9	89	8.7	87	2	70-130/30
110-54-3	Hexane	10	10.9	109	11.0	110	1	70-130/30
591-78-6	2-Hexanone	10	10.1	101	10.1	101	0	70-130/30
67-63-0	Isopropyl Alcohol	10	11.2	112	11.0	110	2	70-130/30
75-09-2	Methylene chloride	10	9.3	93	9.3	93	0	70-130/30
78-93-3	Methyl ethyl ketone	10	10.3	103	10.2	102	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.7	107	10.8	108	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.9	99	9.8	98	1	70-130/30
80-62-6	Methylmethacrylate	10	10	100	10.1	101	1	70-130/30
115-07-1	Propylene	10	11.6	116	11.4	114	2	70-130/30
100-42-5	Styrene	10	9.2	92	9.1	91	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.4	94	9.4	94	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99	9.7	97	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.1	101	10.1	101	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.0	100	9.6	96	4	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97	9.5	95	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.3	93	9.1	91	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.9	109	11.0	110	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.5	105	10.4	104	1	70-130/30
127-18-4	Tetrachloroethylene	10	8.1	81	8.0	80	1	70-130/30
109-99-9	Tetrahydrofuran	10	10.1	101	10.2	102	1	70-130/30
108-88-3	Toluene	10	9.8	98	9.8	98	0	70-130/30
79-01-6	Trichloroethylene	10	9.4	94	9.4	94	0	70-130/30
75-69-4	Trichlorofluoromethane	10	9.8	98	9.8	98	0	70-130/30
75-01-4	Vinyl chloride	10	9.4	94	9.0	90	4	70-130/30
108-05-4	Vinyl Acetate	10	9.9	99	10.1	101	2	70-130/30
	m,p-Xylene	20	18.6	93	18.5	93	1	70-130/30
95-47-6	o-Xylene	10	9.4	94	9.2	92	2	70-130/30
1330-20-7	Xylenes (total)	30	27.9	93	27.7	92	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2984-BS	3W75840.D	1	04/26/22	TCH	n/a	n/a	V3W2984
V3W2984-BSD	3W75841.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	110%	109%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W2986-BS	3W75897.D	1	04/28/22	TCH	n/a	n/a	V3W2986
V3W2986-BSD	3W75898.D	1	04/28/22	TCH	n/a	n/a	V3W2986

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

JD42150-14

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
127-18-4	Tetrachloroethylene	10	8.1	81	8.0	80	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	111%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-BS	2W58366.D	1	03/19/22	TCH	n/a	n/a	V2W2600
V2W2600-BSD	2W58367.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	8.0	80	7.9	79	1	70-130/30
106-99-0	1,3-Butadiene	10	8.6	86	8.5	85	1	70-130/30
71-43-2	Benzene	10	9.8	98	9.7	97	1	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	10.5	105	2	70-130/30
75-25-2	Bromoform	10	10.9	109	10.8	108	1	70-130/30
74-83-9	Bromomethane	10	8.3	83	8.3	83	0	70-130/30
593-60-2	Bromoethene	10	8.4	84	8.2	82	2	70-130/30
100-44-7	Benzyl Chloride	10	21.7	217* [a]	21.1	211* [a]	3	70-130/30
75-15-0	Carbon disulfide	10	8.6	86	8.2	82	5	70-130/30
108-90-7	Chlorobenzene	10	10.2	102	10.1	101	1	70-130/30
75-00-3	Chloroethane	10	8.4	84	8.2	82	2	70-130/30
67-66-3	Chloroform	10	10.1	101	9.9	99	2	70-130/30
74-87-3	Chloromethane	10	8.2	82	8.0	80	2	70-130/30
107-05-1	3-Chloropropene	10	8.1	81	7.9	79	2	70-130/30
95-49-8	2-Chlorotoluene	10	10.8	108	10.6	106	2	70-130/30
56-23-5	Carbon tetrachloride	10	10.5	105	10.4	104	1	70-130/30
110-82-7	Cyclohexane	10	9.9	99	9.9	99	0	70-130/30
75-34-3	1,1-Dichloroethane	10	9.8	98	9.9	99	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.1	81	7.7	77	5	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.2	112	11.1	111	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.1	101	9.8	98	3	70-130/30
78-87-5	1,2-Dichloropropane	10	10.5	105	10.4	104	1	70-130/30
123-91-1	1,4-Dioxane	10	9.3	93	9.3	93	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.1	91	8.9	89	2	70-130/30
124-48-1	Dibromochloromethane	10	10.9	109	10.7	107	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10	100	9.5	95	5	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	9.6	96	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.1	111	10.7	107	4	70-130/30
541-73-1	m-Dichlorobenzene	10	11.8	118	11.6	116	2	70-130/30
95-50-1	o-Dichlorobenzene	10	11.8	118	11.4	114	3	70-130/30
106-46-7	p-Dichlorobenzene	10	11.8	118	11.7	117	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.6	116	11.3	113	3	70-130/30
64-17-5	Ethanol	10	7.2	72	7.1	71	1	70-130/30
100-41-4	Ethylbenzene	10	10.5	105	10.4	104	1	70-130/30
141-78-6	Ethyl Acetate	10	10.7	107	10.5	105	2	70-130/30
622-96-8	4-Ethyltoluene	10	11.4	114	11.1	111	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-BS	2W58366.D	1	03/19/22	TCH	n/a	n/a	V2W2600
V2W2600-BSD	2W58367.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.3	83	8.0	80	4	70-130/30
76-14-2	Freon 114	10	8.8	88	8.8	88	0	70-130/30
142-82-5	Heptane	10	10.7	107	10.6	106	1	70-130/30
87-68-3	Hexachlorobutadiene	10	10.6	106	10.5	105	1	70-130/30
110-54-3	Hexane	10	10.8	108	10.4	104	4	70-130/30
591-78-6	2-Hexanone	10	10.8	108	10.6	106	2	70-130/30
67-63-0	Isopropyl Alcohol	10	8.1	81	8.0	80	1	70-130/30
75-09-2	Methylene chloride	10	7.5	75	7.1	71	5	70-130/30
78-93-3	Methyl ethyl ketone	10	9.6	96	9.5	95	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.9	109	10.8	108	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.2	102	10.0	100	2	70-130/30
80-62-6	Methylmethacrylate	10	11.1	111	11.0	110	1	70-130/30
115-07-1	Propylene	10	9.4	94	9.7	97	3	70-130/30
100-42-5	Styrene	10	11.1	111	11.0	110	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10	100	9.8	98	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.8	108	10.6	106	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.0	100	9.9	99	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.4	114	11.1	111	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	12.1	121	11.9	119	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.7	117	11.5	115	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.5	105	10.4	104	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	8.2	82	7.9	79	4	70-130/30
127-18-4	Tetrachloroethylene	10	9.9	99	9.9	99	0	70-130/30
109-99-9	Tetrahydrofuran	10	11.3	113	11.1	111	2	70-130/30
108-88-3	Toluene	10	10.6	106	10.5	105	1	70-130/30
79-01-6	Trichloroethylene	10	10.3	103	10.2	102	1	70-130/30
75-69-4	Trichlorofluoromethane	10	8.7	87	8.7	87	0	70-130/30
75-01-4	Vinyl chloride	10	8.9	89	8.8	88	1	70-130/30
108-05-4	Vinyl Acetate	10	11.1	111	11.3	113	2	70-130/30
	m,p-Xylene	20	21.9	110	21.4	107	2	70-130/30
95-47-6	o-Xylene	10	10.9	109	10.8	108	1	70-130/30
1330-20-7	Xylenes (total)	30	32.8	109	32.2	107	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-BS	2W58366.D	1	03/19/22	TCH	n/a	n/a	V2W2600
V2W2600-BSD	2W58367.D	1	03/19/22	TCH	n/a	n/a	V2W2600

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

V2W2600-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	109%	109%	65-128%

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.3	93	8.9	89	4	70-130/30
106-99-0	1,3-Butadiene	10	10.3	103	9.5	95	8	70-130/30
71-43-2	Benzene	10	10.1	101	9.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	10.7	107	0	70-130/30
75-25-2	Bromoform	10	10.5	105	10.5	105	0	70-130/30
74-83-9	Bromomethane	10	9.7	97	9.0	90	7	70-130/30
593-60-2	Bromoethene	10	9.6	96	8.9	89	8	70-130/30
100-44-7	Benzyl Chloride	10	22.1	221* [a]	20.9	209* [a]	6	70-130/30
75-15-0	Carbon disulfide	10	10.1	101	9.1	91	10	70-130/30
108-90-7	Chlorobenzene	10	9.9	99	9.8	98	1	70-130/30
75-00-3	Chloroethane	10	10.3	103	9.2	92	11	70-130/30
67-66-3	Chloroform	10	10.7	107	10.3	103	4	70-130/30
74-87-3	Chloromethane	10	9.9	99	9.2	92	7	70-130/30
107-05-1	3-Chloropropene	10	9.4	94	8.6	86	9	70-130/30
95-49-8	2-Chlorotoluene	10	10.4	104	10.2	102	2	70-130/30
56-23-5	Carbon tetrachloride	10	10.6	106	10.3	103	3	70-130/30
110-82-7	Cyclohexane	10	9.8	98	9.7	97	1	70-130/30
75-34-3	1,1-Dichloroethane	10	10.2	102	10.1	101	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.0	90	8.3	83	8	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.2	112	11.1	111	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.3	103	10.1	101	2	70-130/30
78-87-5	1,2-Dichloropropane	10	10.7	107	10.5	105	2	70-130/30
123-91-1	1,4-Dioxane	10	9.4	94	9.1	91	3	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.3	103	9.8	98	5	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.6	106	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	11.7	117	10.2	102	14	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.5	95	9.5	95	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.0	110	10.9	109	1	70-130/30
541-73-1	m-Dichlorobenzene	10	11.6	116	11.2	112	4	70-130/30
95-50-1	o-Dichlorobenzene	10	11.8	118	11.2	112	5	70-130/30
106-46-7	p-Dichlorobenzene	10	11.7	117	11.2	112	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.6	116	11.4	114	2	70-130/30
64-17-5	Ethanol	10	8.9	89	8.0	80	11	70-130/30
100-41-4	Ethylbenzene	10	10.3	103	10.2	102	1	70-130/30
141-78-6	Ethyl Acetate	10	11.9	119	11.0	110	8	70-130/30
622-96-8	4-Ethyltoluene	10	11.3	113	11.0	110	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.1	91	8.3	83	9	70-130/30
76-14-2	Freon 114	10	10.4	104	9.6	96	8	70-130/30
142-82-5	Heptane	10	11.1	111	11.4	114	3	70-130/30
87-68-3	Hexachlorobutadiene	10	10.5	105	10.0	100	5	70-130/30
110-54-3	Hexane	10	11.9	119	11.2	112	6	70-130/30
591-78-6	2-Hexanone	10	11.4	114	11.1	111	3	70-130/30
67-63-0	Isopropyl Alcohol	10	10	100	8.9	89	12	70-130/30
75-09-2	Methylene chloride	10	8.6	86	7.8	78	10	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.6	96	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.3	113	11.3	113	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.4	104	10.1	101	3	70-130/30
80-62-6	Methylmethacrylate	10	11.3	113	11.3	113	0	70-130/30
115-07-1	Propylene	10	9.8	98	10.2	102	4	70-130/30
100-42-5	Styrene	10	10.9	109	10.8	108	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.0	100	9.9	99	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	10.7	107	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.0	100	9.9	99	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.0	110	10.5	105	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	12.2	122	11.8	118	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.6	116	11.3	113	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.8	108	10.9	109	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.8	108	8.9	89	19	70-130/30
127-18-4	Tetrachloroethylene	10	9.6	96	9.6	96	0	70-130/30
109-99-9	Tetrahydrofuran	10	11.6	116	11.6	116	0	70-130/30
108-88-3	Toluene	10	10.5	105	10.5	105	0	70-130/30
79-01-6	Trichloroethylene	10	10.0	100	10.2	102	2	70-130/30
75-69-4	Trichlorofluoromethane	10	9.4	94	8.9	89	5	70-130/30
75-01-4	Vinyl chloride	10	10.4	104	9.8	98	6	70-130/30
108-05-4	Vinyl Acetate	10	11.6	116	11.0	110	5	70-130/30
	m,p-Xylene	20	21.7	109	21.3	107	2	70-130/30
95-47-6	o-Xylene	10	11.0	110	10.7	107	3	70-130/30
1330-20-7	Xylenes (total)	30	32.7	109	32.0	107	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

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

V2W2601-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	110%	110%	65-128%

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-BS	2W58424.D	1	03/22/22	TCH	n/a	n/a	V2W2602
V2W2602-BSD	2W58425.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	10.3	103	10.7	107	4	70-130/30
106-99-0	1,3-Butadiene	10	11.0	110	11.4	114	4	70-130/30
71-43-2	Benzene	10	10.2	102	10.6	106	4	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	11.1	111	4	70-130/30
75-25-2	Bromoform	10	10.1	101	10.3	103	2	70-130/30
74-83-9	Bromomethane	10	10.1	101	10.2	102	1	70-130/30
593-60-2	Bromoethene	10	9.7	97	10.1	101	4	70-130/30
100-44-7	Benzyl Chloride	10	20.7	207* [a]	22.1	221* [a]	7	70-130/30
75-15-0	Carbon disulfide	10	10.5	105	11.1	111	6	70-130/30
108-90-7	Chlorobenzene	10	9.9	99	10.2	102	3	70-130/30
75-00-3	Chloroethane	10	10.8	108	11.2	112	4	70-130/30
67-66-3	Chloroform	10	10.8	108	10.8	108	0	70-130/30
74-87-3	Chloromethane	10	10.8	108	11.3	113	5	70-130/30
107-05-1	3-Chloropropene	10	9.8	98	10.3	103	5	70-130/30
95-49-8	2-Chlorotoluene	10	10.4	104	10.9	109	5	70-130/30
56-23-5	Carbon tetrachloride	10	10.2	102	10.5	105	3	70-130/30
110-82-7	Cyclohexane	10	10	100	10.2	102	2	70-130/30
75-34-3	1,1-Dichloroethane	10	10.8	108	11.1	111	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.3	93	9.9	99	6	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.2	112	11.3	113	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.5	105	10.9	109	4	70-130/30
78-87-5	1,2-Dichloropropane	10	10.9	109	11.5	115	5	70-130/30
123-91-1	1,4-Dioxane	10	9.3	93	9.7	97	4	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.4	104	10.9	109	5	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.6	106	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10	100	10.2	102	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.6	96	9.8	98	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.0	110	11.4	114	4	70-130/30
541-73-1	m-Dichlorobenzene	10	11.5	115	11.8	118	3	70-130/30
95-50-1	o-Dichlorobenzene	10	11.7	117	12.2	122	4	70-130/30
106-46-7	p-Dichlorobenzene	10	11.7	117	12.1	121	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.2	112	11.6	116	4	70-130/30
64-17-5	Ethanol	10	9.3	93	9.9	99	6	70-130/30
100-41-4	Ethylbenzene	10	10.5	105	10.7	107	2	70-130/30
141-78-6	Ethyl Acetate	10	12.4	124	12.5	125	1	70-130/30
622-96-8	4-Ethyltoluene	10	11.5	115	12.0	120	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-BS	2W58424.D	1	03/22/22	TCH	n/a	n/a	V2W2602
V2W2602-BSD	2W58425.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-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	9.1	91	4	70-130/30
76-14-2	Freon 114	10	10.5	105	10.9	109	4	70-130/30
142-82-5	Heptane	10	11.9	119	12.1	121	2	70-130/30
87-68-3	Hexachlorobutadiene	10	10	100	10.3	103	3	70-130/30
110-54-3	Hexane	10	12.5	125	12.5	125	0	70-130/30
591-78-6	2-Hexanone	10	11.8	118	12.1	121	3	70-130/30
67-63-0	Isopropyl Alcohol	10	11.0	110	11.8	118	7	70-130/30
75-09-2	Methylene chloride	10	9.0	90	9.4	94	4	70-130/30
78-93-3	Methyl ethyl ketone	10	10	100	10.3	103	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.7	117	12.0	120	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.4	104	10.7	107	3	70-130/30
80-62-6	Methylmethacrylate	10	11.6	116	12.0	120	3	70-130/30
115-07-1	Propylene	10	10.8	108	11.2	112	4	70-130/30
100-42-5	Styrene	10	11.1	111	11.4	114	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.8	98	10	100	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.4	114	11.9	119	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.1	101	10.5	105	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.7	107	11.0	110	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	12.6	126	13.1	131* [a]	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.8	118	12.3	123	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.3	113	11.6	116	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.8	108	11.9	119	10	70-130/30
127-18-4	Tetrachloroethylene	10	9.3	93	9.4	94	1	70-130/30
109-99-9	Tetrahydrofuran	10	12.1	121	12.4	124	2	70-130/30
108-88-3	Toluene	10	10.7	107	10.8	108	1	70-130/30
79-01-6	Trichloroethylene	10	10.2	102	10.4	104	2	70-130/30
75-69-4	Trichlorofluoromethane	10	9.9	99	10.2	102	3	70-130/30
75-01-4	Vinyl chloride	10	11.1	111	11.7	117	5	70-130/30
108-05-4	Vinyl Acetate	10	11.2	112	12.1	121	8	70-130/30
	m,p-Xylene	20	22.1	111	23.0	115	4	70-130/30
95-47-6	o-Xylene	10	11.2	112	11.6	116	4	70-130/30
1330-20-7	Xylenes (total)	30	33.3	111	34.6	115	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-BS	2W58424.D	1	03/22/22	TCH	n/a	n/a	V2W2602
V2W2602-BSD	2W58425.D	1	03/22/22	TCH	n/a	n/a	V2W2602

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

V2W2602-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	113%	65-128%

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

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-BS	2W58455.D	1	03/23/22	TCH	n/a	n/a	V2W2603
V2W2603-BSD	2W58456.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	12.3	123	11.2	112	9	70-130/30
106-99-0	1,3-Butadiene	10	13.0	130	12.7	127	2	70-130/30
71-43-2	Benzene	10	11.6	116	11.2	112	4	70-130/30
75-27-4	Bromodichloromethane	10	11.7	117	11.6	116	1	70-130/30
75-25-2	Bromoform	10	10.3	103	10.1	101	2	70-130/30
74-83-9	Bromomethane	10	11.2	112	10.9	109	3	70-130/30
593-60-2	Bromoethene	10	10.9	109	10.3	103	6	70-130/30
100-44-7	Benzyl Chloride	10	22.4	224* [a]	20.8	208* [a]	7	70-130/30
75-15-0	Carbon disulfide	10	12.1	121	11.3	113	7	70-130/30
108-90-7	Chlorobenzene	10	10.3	103	10.1	101	2	70-130/30
75-00-3	Chloroethane	10	12.6	126	12.2	122	3	70-130/30
67-66-3	Chloroform	10	12.0	120	11.7	117	3	70-130/30
74-87-3	Chloromethane	10	12.8	128	12.4	124	3	70-130/30
107-05-1	3-Chloropropene	10	11.2	112	10.4	104	7	70-130/30
95-49-8	2-Chlorotoluene	10	10.8	108	10.4	104	4	70-130/30
56-23-5	Carbon tetrachloride	10	11.0	110	10.5	105	5	70-130/30
110-82-7	Cyclohexane	10	10.8	108	10.6	106	2	70-130/30
75-34-3	1,1-Dichloroethane	10	12.5	125	12.0	120	4	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.3	103	9.8	98	5	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.9	119	11.6	116	3	70-130/30
107-06-2	1,2-Dichloroethane	10	11.8	118	11.3	113	4	70-130/30
78-87-5	1,2-Dichloropropane	10	12.5	125	12.1	121	3	70-130/30
123-91-1	1,4-Dioxane	10	10.2	102	10.0	100	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.7	117	11.4	114	3	70-130/30
124-48-1	Dibromochloromethane	10	10.9	109	10.8	108	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	11.9	119	11	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.6	106	10.4	104	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	12.0	120	11.9	119	1	70-130/30
541-73-1	m-Dichlorobenzene	10	11.8	118	11.2	112	5	70-130/30
95-50-1	o-Dichlorobenzene	10	12.0	120	11.3	113	6	70-130/30
106-46-7	p-Dichlorobenzene	10	11.9	119	11.2	112	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.3	123	12.2	122	1	70-130/30
64-17-5	Ethanol	10	11.2	112	10.8	108	4	70-130/30
100-41-4	Ethylbenzene	10	11.3	113	11.0	110	3	70-130/30
141-78-6	Ethyl Acetate	10	14.3	143* [a]	13.9	139* [a]	3	70-130/30
622-96-8	4-Ethyltoluene	10	12.1	121	11.5	115	5	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-BS	2W58455.D	1	03/23/22	TCH	n/a	n/a	V2W2603
V2W2603-BSD	2W58456.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.2	92	8.6	86	7	70-130/30
76-14-2	Freon 114	10	11.9	119	11.6	116	3	70-130/30
142-82-5	Heptane	10	13.6	136* [a]	13.6	136* [a]	0	70-130/30
87-68-3	Hexachlorobutadiene	10	9.9	99	9.2	92	7	70-130/30
110-54-3	Hexane	10	14.3	143* [a]	13.7	137* [a]	4	70-130/30
591-78-6	2-Hexanone	10	13.4	134* [a]	13.1	131* [a]	2	70-130/30
67-63-0	Isopropyl Alcohol	10	12.8	128	11.6	116	10	70-130/30
75-09-2	Methylene chloride	10	10	100	9.4	94	6	70-130/30
78-93-3	Methyl ethyl ketone	10	11.2	112	10.7	107	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	13.5	135* [a]	13.2	132* [a]	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	11.4	114	11.1	111	3	70-130/30
80-62-6	Methylmethacrylate	10	12.9	129	12.8	128	1	70-130/30
115-07-1	Propylene	10	13.2	132* [a]	12.6	126	5	70-130/30
100-42-5	Styrene	10	11.7	117	11.4	114	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.6	106	10.3	103	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	12.5	125	12.1	121	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.2	112	11.2	112	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.5	105	9.8	98	7	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	13.2	132* [a]	12.5	125	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	12.4	124	11.8	118	5	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	12.8	128	12.8	128	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.4	114	11.4	114	0	70-130/30
127-18-4	Tetrachloroethylene	10	9.7	97	9.6	96	1	70-130/30
109-99-9	Tetrahydrofuran	10	13.6	136* [a]	13.1	131* [a]	4	70-130/30
108-88-3	Toluene	10	11.6	116	11.4	114	2	70-130/30
79-01-6	Trichloroethylene	10	11.0	110	10.8	108	2	70-130/30
75-69-4	Trichlorofluoromethane	10	11.0	110	9.9	99	11	70-130/30
75-01-4	Vinyl chloride	10	13.1	131* [a]	12.9	129	2	70-130/30
108-05-4	Vinyl Acetate	10	12.4	124	12.0	120	3	70-130/30
	m,p-Xylene	20	23.6	118	22.9	115	3	70-130/30
95-47-6	o-Xylene	10	12.0	120	11.6	116	3	70-130/30
1330-20-7	Xylenes (total)	30	35.6	119	34.5	115	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-BS	2W58455.D	1	03/23/22	TCH	n/a	n/a	V2W2603
V2W2603-BSD	2W58456.D	1	03/23/22	TCH	n/a	n/a	V2W2603

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

V2W2603-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	111%	65-128%

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

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41997-3DUP	3W75845.D	1	04/26/22	TCH	n/a	n/a	V3W2984
JD41997-3 [a]	3W75844.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	JD41997-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	1.9		2.2		15	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.14	J	0.14	J	0	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	ND		ND		nc	25
74-87-3	Chloromethane	0.57		0.60		5	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	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	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	0.43		0.42		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	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	1.4		1.7		19	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	0.37		0.35		6	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41997-3DUP	3W75845.D	1	04/26/22	TCH	n/a	n/a	V3W2984
JD41997-3 [a]	3W75844.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Compound	JD41997-3 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	5.3		4.4		19	25
75-09-2	Methylene chloride	0.21		0.21		0	25
78-93-3	Methyl ethyl ketone	0.20		0.20		0	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	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.13	J	0.14	J	7	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.23		0.23		0	25
75-01-4	Vinyl chloride	ND		ND		nc	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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41997-3DUP	3W75845.D	1	04/26/22	TCH	n/a	n/a	V3W2984
JD41997-3 [a]	3W75844.D	1	04/26/22	TCH	n/a	n/a	V3W2984

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

JD42150-1, JD42150-2, JD42150-3, JD42150-4, JD42150-5, JD42150-6, JD42150-8, JD42150-9, JD42150-10, JD42150-11, JD42150-12, JD42150-13, JD42150-14

CAS No.	Surrogate Recoveries	DUP	JD41997-3	Limits
460-00-4	4-Bromofluorobenzene	115%	111%	65-128%

(a) Sample analyzed outside the holding time.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD42255-26DUP	3W75902.D	1	04/28/22	TCH	n/a	n/a	V3W2986
JD42255-26	3W75901.D	1	04/28/22	TCH	n/a	n/a	V3W2986

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

JD42150-14

CAS No.	Compound	JD42255-26 ppbv	Q	DUP ppbv	Q	RPD	Limits
127-18-4	Tetrachloroethylene	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JD42255-26	Limits
460-00-4	4-Bromofluorobenzene	107%	111%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-SCC	2W58371.D	1	03/19/22	TCH	n/a	n/a	V2W2600

The QC reported here (Summa M004) applies to the following samples: **Method:** TO-15

Batch CP11623 cleaned 03/16/22: JD42150-5(M004)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-SCC	2W58371.D	1	03/19/22	TCH	n/a	n/a	V2W2600

The QC reported here (Summa M004) applies to the following samples: **Method:** TO-15

Batch CP11623 cleaned 03/16/22: JD42150-5(M004)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2600-SCC	2W58371.D	1	03/19/22	TCH	n/a	n/a	V2W2600

The QC reported here (Summa M004) applies to the following samples: **Method:** TO-15

Batch CP11623 cleaned 03/16/22: JD42150-5(M004)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD42150-4(A1472)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD42150-4(A1472)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD42150-4(A1472)

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

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58403.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A454) applies to the following samples: **Method:** TO-15

Batch CP11632 cleaned 03/18/22: JD42150-3(A357)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58403.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A454) applies to the following samples: **Method:** TO-15

Batch CP11632 cleaned 03/18/22: JD42150-3(A357)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58403.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A454) applies to the following samples: **Method:** TO-15

Batch CP11632 cleaned 03/18/22: JD42150-3(A357)

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

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-SCC	2W58428.D	1	03/22/22	TCH	n/a	n/a	V2W2602

The QC reported here (Summa A1263) applies to the following samples: **Method:** TO-15

Batch CP11629 cleaned 03/17/22: JD42150-1(A032), JD42150-2(A1605), JD42150-6(A019), JD42150-8(A1496), JD42150-9(A061), JD42150-10(A992)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-SCC	2W58428.D	1	03/22/22	TCH	n/a	n/a	V2W2602

The QC reported here (Summa A1263) applies to the following samples: **Method:** TO-15

Batch CP11629 cleaned 03/17/22: JD42150-1(A032), JD42150-2(A1605), JD42150-6(A019), JD42150-8(A1496), JD42150-9(A061), JD42150-10(A992)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	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	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2602-SCC	2W58428.D	1	03/22/22	TCH	n/a	n/a	V2W2602

The QC reported here (Summa A1263) applies to the following samples: **Method:** TO-15

Batch CP11629 cleaned 03/17/22: JD42150-1(A032), JD42150-2(A1605), JD42150-6(A019), JD42150-8(A1496), JD42150-9(A061), JD42150-10(A992)

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

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-SCC	2W58478.D	1	03/24/22	TCH	n/a	n/a	V2W2603

The QC reported here (Summa A699) applies to the following samples: **Method:** TO-15

Batch CP11627 cleaned 03/17/22: JD42150-11(A518), JD42150-12(M187), JD42150-13(A625), JD42150-14(A790)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.80	0.58	ppbv		ND	1.9	ug/m3
106-99-0	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	ug/m3
71-43-2	Benzene	ND	0.80	0.25	ppbv		ND	2.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	ug/m3
75-25-2	Bromoform	ND	0.80	0.28	ppbv		ND	8.3	ug/m3
74-83-9	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	ug/m3
593-60-2	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	ug/m3
100-44-7	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	ug/m3
75-15-0	Carbon disulfide	ND	0.80	0.18	ppbv		ND	2.5	ug/m3
108-90-7	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	ug/m3
75-00-3	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	ug/m3
67-66-3	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	ug/m3
74-87-3	Chloromethane	ND	0.80	0.36	ppbv		ND	1.7	ug/m3
107-05-1	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	ug/m3
95-49-8	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	ug/m3
56-23-5	Carbon tetrachloride	ND	0.80	0.16	ppbv		ND	5.0	ug/m3
110-82-7	Cyclohexane	ND	0.80	0.44	ppbv		ND	2.8	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.80	0.24	ppbv		ND	3.2	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.80	0.39	ppbv		ND	6.1	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	ug/m3
123-91-1	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.80	0.13	ppbv		ND	4.0	ug/m3
124-48-1	Dibromochloromethane	ND	0.80	0.21	ppbv		ND	6.8	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.80	0.28	ppbv		ND	3.2	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.80	0.31	ppbv		ND	3.2	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.80	0.16	ppbv		ND	4.8	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.80	0.62	ppbv		ND	4.8	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.80	0.76	ppbv		ND	4.8	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	ug/m3
64-17-5	Ethanol	ND	2.0	1.6	ppbv		ND	3.8	ug/m3
100-41-4	Ethylbenzene	ND	0.80	0.24	ppbv		ND	3.5	ug/m3
141-78-6	Ethyl Acetate	ND	0.80	0.42	ppbv		ND	2.9	ug/m3
622-96-8	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-SCC	2W58478.D	1	03/24/22	TCH	n/a	n/a	V2W2603

The QC reported here (Summa A699) applies to the following samples: **Method:** TO-15

Batch CP11627 cleaned 03/17/22: JD42150-11(A518), JD42150-12(M187), JD42150-13(A625), JD42150-14(A790)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
76-14-2	Freon 114	ND	0.80	0.20	ppbv		ND	5.6	ug/m3
142-82-5	Heptane	ND	0.80	0.37	ppbv		ND	3.3	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.80	0.25	ppbv		ND	8.5	ug/m3
110-54-3	Hexane	ND	0.80	0.45	ppbv		ND	2.8	ug/m3
591-78-6	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.80	0.56	ppbv		ND	2.0	ug/m3
75-09-2	Methylene chloride	ND	0.80	0.22	ppbv		ND	2.8	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.80	0.44	ppbv		ND	2.4	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	ug/m3
80-62-6	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	ug/m3
115-07-1	Propylene	ND	2.0	0.57	ppbv		ND	3.4	ug/m3
100-42-5	Styrene	ND	0.80	0.47	ppbv		ND	3.4	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.80	0.15	ppbv		ND	4.4	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.80	0.19	ppbv		ND	5.5	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.80	0.15	ppbv		ND	4.4	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.80	0.48	ppbv		ND	5.9	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.80	0.38	ppbv		ND	3.7	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.80	0.37	ppbv		ND	2.4	ug/m3
127-18-4	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	ug/m3
109-99-9	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	ug/m3
108-88-3	Toluene	ND	0.80	0.23	ppbv		ND	3.0	ug/m3
79-01-6	Trichloroethylene	ND	0.16	0.076	ppbv		ND	0.86	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.80	0.14	ppbv		ND	4.5	ug/m3
75-01-4	Vinyl chloride	ND	0.80	0.28	ppbv		ND	2.0	ug/m3
108-05-4	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	ug/m3
	m,p-Xylene	ND	0.80	0.56	ppbv		ND	3.5	ug/m3
95-47-6	o-Xylene	ND	0.80	0.31	ppbv		ND	3.5	ug/m3
1330-20-7	Xylenes (total)	ND	0.80	0.31	ppbv		ND	3.5	ug/m3

Summa Cleaning Certification

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2603-SCC	2W58478.D	1	03/24/22	TCH	n/a	n/a	V2W2603

The QC reported here (Summa A699) applies to the following samples: **Method:** TO-15

Batch CP11627 cleaned 03/17/22: JD42150-11(A518), JD42150-12(M187), JD42150-13(A625), JD42150-14(A790)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V2W2599-BFB
Lab File ID: 2W58348.D
Instrument ID: GCMS2W
Injection Date: 03/18/22
Injection Time: 19:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	28061	18.6		Pass
75	30.0 - 66.0% of mass 95	75859	50.3		Pass
95	Base peak, 100% relative abundance	150891	100.0		Pass
96	5.0 - 9.0% of mass 95	10173	6.74		Pass
173	Less than 2.0% of mass 174	435	0.29	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	150784	99.9		Pass
175	4.0 - 9.01% of mass 174	9958	6.60	(6.60) [a]	Pass
176	93.0 - 101.0% of mass 174	143829	95.3	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9635	6.39	(6.70) [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
V2W2599-IC2599	2W58349.D	03/18/22	19:40	00:38	Initial cal 0.5
V2W2599-IC2599	2W58350.D	03/18/22	20:15	01:13	Initial cal 0.2
V2W2599-IC2599	2W58351.D	03/18/22	20:50	01:48	Initial cal 0.1
V2W2599-IC2599	2W58352.D	03/18/22	21:26	02:24	Initial cal 0.04
V2W2599-IC2599	2W58353.D	03/18/22	22:02	03:00	Initial cal 5
V2W2599-ICC2599	2W58354.D	03/18/22	22:38	03:36	Initial cal 10
V2W2599-IC2599	2W58355.D	03/18/22	23:17	04:15	Initial cal 20
V2W2599-ICV2599	2W58363.D	03/19/22	11:40	16:38	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V2W2600-BFB
Lab File ID: 2W58364.D
Instrument ID: GCMS2W
Injection Date: 03/19/22
Injection Time: 12:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32264	18.1		Pass
75	30.0 - 66.0% of mass 95	91507	51.4		Pass
95	Base peak, 100% relative abundance	178155	100.0		Pass
96	5.0 - 9.0% of mass 95	11433	6.42		Pass
173	Less than 2.0% of mass 174	929	0.52	(0.55) [a]	Pass
174	50.0 - 120.0% of mass 95	168875	94.8		Pass
175	4.0 - 9.01% of mass 174	11292	6.34	(6.69) [a]	Pass
176	93.0 - 101.0% of mass 174	162027	90.9	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	10876	6.10	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W2600-CC2599	2W58365.D	03/19/22	13:06	00:37	Continuing cal 10
V2W2600-BS	2W58366.D	03/19/22	13:43	01:14	Blank Spike
V2W2600-BSD	2W58367.D	03/19/22	14:19	01:50	Blank Spike Duplicate
V2W2600-MB	2W58369.D	03/19/22	15:37	03:08	Method Blank
V2W2600-SCC	2W58370.D	03/19/22	16:19	03:50	Summa Cleaning Certification
V2W2600-SCC	2W58371.D	03/19/22	17:00	04:31	Summa Cleaning Certification
V2W2600-SCC	2W58372.D	03/19/22	17:43	05:14	Summa Cleaning Certification
ZZZZZZ	2W58374.D	03/19/22	19:02	06:33	(unrelated sample)
ZZZZZZ	2W58375.D	03/19/22	19:45	07:16	(unrelated sample)
ZZZZZZ	2W58376.D	03/19/22	20:28	07:59	(unrelated sample)
ZZZZZZ	2W58377.D	03/19/22	21:11	08:42	(unrelated sample)
JD40265-2	2W58379.D	03/19/22	22:42	10:13	(used for QC only; not part of job JD42150)
JD40265-2DUP	2W58380.D	03/19/22	23:28	10:59	Duplicate
ZZZZZZ	2W58381.D	03/20/22	00:04	11:35	(unrelated sample)
ZZZZZZ	2W58382.D	03/20/22	00:41	12:12	(unrelated sample)
ZZZZZZ	2W58384.D	03/20/22	01:53	13:24	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V2W2601-BFB
Lab File ID: 2W58390.D
Instrument ID: GCMS2W
Injection Date: 03/21/22
Injection Time: 06:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	26731	18.8		Pass
75	30.0 - 66.0% of mass 95	73299	51.5		Pass
95	Base peak, 100% relative abundance	142421	100.0		Pass
96	5.0 - 9.0% of mass 95	8865	6.22		Pass
173	Less than 2.0% of mass 174	570	0.40	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	131443	92.3		Pass
175	4.0 - 9.01% of mass 174	9411	6.61	(7.16) [a]	Pass
176	93.0 - 101.0% of mass 174	122283	85.9	(93.0) [a]	Pass
177	5.0 - 9.0% of mass 176	8165	5.73	(6.68) [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
V2W2601-CC2599	2W58392.D	03/21/22	08:26	01:40	Continuing cal 10
V2W2601-BS	2W58393.D	03/21/22	09:25	02:39	Blank Spike
V2W2601-BSD	2W58394.D	03/21/22	10:02	03:16	Blank Spike Duplicate
V2W2601-MB	2W58397.D	03/21/22	13:30	06:44	Method Blank
V2W2601-SCC	2W58398.D	03/21/22	14:12	07:26	Summa Cleaning Certification
V2W2601-SCC	2W58399.D	03/21/22	14:54	08:08	Summa Cleaning Certification
V2W2601-SCC	2W58401.D	03/21/22	16:20	09:34	Summa Cleaning Certification
V2W2601-SCC	2W58402.D	03/21/22	17:01	10:15	Summa Cleaning Certification
V2W2601-SCC	2W58403.D	03/21/22	17:44	10:58	Summa Cleaning Certification
V2W2601-SCC	2W58404.D	03/21/22	18:27	11:41	Summa Cleaning Certification
V2W2601-SCC	2W58406.D	03/21/22	19:51	13:05	Summa Cleaning Certification
ZZZZZZ	2W58407.D	03/21/22	20:35	13:49	(unrelated sample)
V2W2601-SCC	2W58408.D	03/21/22	21:18	14:32	Summa Cleaning Certification
V2W2601-SCC	2W58409.D	03/21/22	22:00	15:14	Summa Cleaning Certification
ZZZZZZ	2W58410.D	03/21/22	22:44	15:58	(unrelated sample)
ZZZZZZ	2W58411.D	03/21/22	23:28	16:42	(unrelated sample)
ZZZZZZ	2W58412.D	03/22/22	00:13	17:27	(unrelated sample)
ZZZZZZ	2W58413.D	03/22/22	00:58	18:12	(unrelated sample)
JD40794-10	2W58414.D	03/22/22	01:41	18:55	(used for QC only; not part of job JD42150)
JD40794-10DUP	2W58415.D	03/22/22	02:24	19:38	Duplicate
ZZZZZZ	2W58416.D	03/22/22	03:08	20:22	(unrelated sample)
ZZZZZZ	2W58417.D	03/22/22	03:51	21:05	(unrelated sample)
V2W2601-SCC	2W58418.D	03/22/22	04:33	21:47	Summa Cleaning Certification
ZZZZZZ	2W58421.D	03/22/22	06:40	23:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V2W2602-BFB
Lab File ID: 2W58422.D
Instrument ID: GCMS2W
Injection Date: 03/22/22
Injection Time: 08:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	25819	20.2		Pass
75	30.0 - 66.0% of mass 95	68112	53.2		Pass
95	Base peak, 100% relative abundance	128048	100.0		Pass
96	5.0 - 9.0% of mass 95	7573	5.91		Pass
173	Less than 2.0% of mass 174	447	0.35	(0.40) [a]	Pass
174	50.0 - 120.0% of mass 95	112904	88.2		Pass
175	4.0 - 9.01% of mass 174	8750	6.83	(7.75) [a]	Pass
176	93.0 - 101.0% of mass 174	107717	84.1	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6901	5.39	(6.41) [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
V2W2602-CC2599	2W58423.D	03/22/22	08:46	00:38	Continuing cal 10
V2W2602-BS	2W58424.D	03/22/22	09:22	01:14	Blank Spike
V2W2602-BSD	2W58425.D	03/22/22	10:17	02:09	Blank Spike Duplicate
V2W2602-MB	2W58427.D	03/22/22	11:42	03:34	Method Blank
V2W2602-SCC	2W58428.D	03/22/22	12:40	04:32	Summa Cleaning Certification
V2W2602-SCC	2W58429.D	03/22/22	13:22	05:14	Summa Cleaning Certification
V2W2602-SCC	2W58430.D	03/22/22	14:04	05:56	Summa Cleaning Certification
V2W2602-SCC	2W58431.D	03/22/22	14:46	06:38	Summa Cleaning Certification
V2W2602-SCC	2W58432.D	03/22/22	15:29	07:21	Summa Cleaning Certification
V2W2602-SCC	2W58435.D	03/22/22	17:35	09:27	Summa Cleaning Certification
V2W2602-SCC	2W58436.D	03/22/22	18:16	10:08	Summa Cleaning Certification
V2W2602-SCC	2W58437.D	03/22/22	18:59	10:51	Summa Cleaning Certification
V2W2602-SCC	2W58438.D	03/22/22	19:40	11:32	Summa Cleaning Certification
V2W2602-SCC	2W58439.D	03/22/22	20:22	12:14	Summa Cleaning Certification
V2W2602-SCC	2W58440.D	03/22/22	21:04	12:56	Summa Cleaning Certification
V2W2602-SCC	2W58441.D	03/22/22	21:46	13:38	Summa Cleaning Certification
V2W2602-SCC	2W58442.D	03/22/22	22:28	14:20	Summa Cleaning Certification
V2W2602-SCC	2W58443.D	03/22/22	23:09	15:01	Summa Cleaning Certification
V2W2602-SCC	2W58444.D	03/22/22	23:52	15:44	Summa Cleaning Certification
V2W2602-SCC	2W58445.D	03/23/22	00:34	16:26	Summa Cleaning Certification
V2W2602-SCC	2W58446.D	03/23/22	01:16	17:08	Summa Cleaning Certification
V2W2602-SCC	2W58447.D	03/23/22	01:58	17:50	Summa Cleaning Certification
V2W2602-SCC	2W58448.D	03/23/22	02:41	18:33	Summa Cleaning Certification
V2W2602-SCC	2W58451.D	03/23/22	04:49	20:41	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V2W2603-BFB
Lab File ID: 2W58453.D
Instrument ID: GCMS2W
Injection Date: 03/23/22
Injection Time: 07:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	31008	19.8		Pass
75	30.0 - 66.0% of mass 95	82067	52.4		Pass
95	Base peak, 100% relative abundance	156757	100.0		Pass
96	5.0 - 9.0% of mass 95	11074	7.06		Pass
173	Less than 2.0% of mass 174	651	0.42	(0.49) [a]	Pass
174	50.0 - 120.0% of mass 95	132357	84.4		Pass
175	4.0 - 9.01% of mass 174	8781	5.60	(6.63) [a]	Pass
176	93.0 - 101.0% of mass 174	125963	80.4	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	7853	5.01	(6.23) [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
V2W2603-CC2599	2W58454.D	03/23/22	08:57	01:09	Continuing cal 10
V2W2603-BS	2W58455.D	03/23/22	09:33	01:45	Blank Spike
V2W2603-BSD	2W58456.D	03/23/22	10:10	02:22	Blank Spike Duplicate
V2W2603-MB	2W58458.D	03/23/22	11:45	03:57	Method Blank
V2W2603-SCC	2W58459.D	03/23/22	12:42	04:54	Summa Cleaning Certification
V2W2603-SCC	2W58460.D	03/23/22	13:29	05:41	Summa Cleaning Certification
V2W2603-SCC	2W58461.D	03/23/22	14:12	06:24	Summa Cleaning Certification
V2W2603-SCC	2W58462.D	03/23/22	14:54	07:06	Summa Cleaning Certification
V2W2603-SCC	2W58463.D	03/23/22	15:36	07:48	Summa Cleaning Certification
V2W2603-SCC	2W58464.D	03/23/22	16:18	08:30	Summa Cleaning Certification
V2W2603-SCC	2W58465.D	03/23/22	16:59	09:11	Summa Cleaning Certification
V2W2603-SCC	2W58466.D	03/23/22	17:42	09:54	Summa Cleaning Certification
V2W2603-SCC	2W58467.D	03/23/22	18:24	10:36	Summa Cleaning Certification
V2W2603-SCC	2W58468.D	03/23/22	19:07	11:19	Summa Cleaning Certification
V2W2603-SCC	2W58469.D	03/23/22	19:49	12:01	Summa Cleaning Certification
V2W2603-SCC	2W58470.D	03/23/22	20:31	12:43	Summa Cleaning Certification
V2W2603-SCC	2W58471.D	03/23/22	21:12	13:24	Summa Cleaning Certification
V2W2603-SCC	2W58472.D	03/23/22	21:54	14:06	Summa Cleaning Certification
V2W2603-SCC	2W58473.D	03/23/22	22:35	14:47	Summa Cleaning Certification
V2W2603-SCC	2W58474.D	03/23/22	23:17	15:29	Summa Cleaning Certification
V2W2603-SCC	2W58475.D	03/23/22	23:59	16:11	Summa Cleaning Certification
V2W2603-SCC	2W58476.D	03/24/22	00:41	16:53	Summa Cleaning Certification
V2W2603-SCC	2W58477.D	03/24/22	01:18	17:30	Summa Cleaning Certification
V2W2603-SCC	2W58478.D	03/24/22	01:55	18:07	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample:	V2W2603-BFB	**Injection Date:**	03/23/22
Lab File ID:	2W58453.D	**Injection Time:**	07:48
Instrument ID:	GCMS2W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W2603-SCC	2W58480.D	03/24/22	03:09	19:21	Summa Cleaning Certification
V2W2603-SCC	2W58481.D	03/24/22	03:52	20:04	Summa Cleaning Certification
V2W2603-SCC	2W58482.D	03/24/22	04:33	20:45	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3W2981-BFB
Lab File ID: 3W75770.D
Instrument ID: GCMS3W
Injection Date: 04/23/22
Injection Time: 00:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15236	19.6		Pass
75	30.0 - 66.0% of mass 95	39237	50.5		Pass
95	Base peak, 100% relative abundance	77733	100.0		Pass
96	5.0 - 9.0% of mass 95	5108	6.57		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	73443	94.5		Pass
175	4.0 - 9.01% of mass 174	5665	7.29	(7.71) [a]	Pass
176	93.0 - 101.0% of mass 174	72512	93.3	(98.7) [a]	Pass
177	5.0 - 9.0% of mass 176	4712	6.06	(6.50) [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
V3W2981-IC2981	3W75772.D	04/23/22	02:17	01:53	Initial cal 0.04
V3W2981-IC2981	3W75773.D	04/23/22	03:04	02:40	Initial cal 0.1
V3W2981-IC2981	3W75774.D	04/23/22	03:51	03:27	Initial cal 0.2
V3W2981-IC2981	3W75775.D	04/23/22	04:39	04:15	Initial cal 0.5
V3W2981-IC2981	3W75776.D	04/23/22	05:26	05:02	Initial cal 5
V3W2981-ICC2981	3W75777.D	04/23/22	06:12	05:48	Initial cal 10
V3W2981-IC2981	3W75778.D	04/23/22	07:00	06:36	Initial cal 20
V3W2981-IC2981	3W75779.D	04/23/22	07:52	07:28	Initial cal 40
V3W2981-IC2981	3W75780.D	04/23/22	08:46	08:22	Initial cal 50
V3W2981-ICV2981	3W75784.D	04/23/22	11:54	11:30	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3W2984-BFB
Lab File ID: 3W75838.D
Instrument ID: GCMS3W
Injection Date: 04/26/22
Injection Time: 07:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34472	22.6		Pass
75	30.0 - 66.0% of mass 95	81571	53.5		Pass
95	Base peak, 100% relative abundance	152341	100.0		Pass
96	5.0 - 9.0% of mass 95	9992	6.56		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	138709	91.1		Pass
175	4.0 - 9.01% of mass 174	11287	7.41	(8.14) [a]	Pass
176	93.0 - 101.0% of mass 174	137131	90.0	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	8974	5.89	(6.54) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W2984-CC2981	3W75839.D	04/26/22	07:51	00:41	Continuing cal 10
V3W2984-BS	3W75840.D	04/26/22	08:41	01:31	Blank Spike
V3W2984-BSD	3W75841.D	04/26/22	09:21	02:11	Blank Spike Duplicate
V3W2984-MB	3W75843.D	04/26/22	10:47	03:37	Method Blank
JD41997-3	3W75844.D	04/26/22	11:33	04:23	(used for QC only; not part of job JD42150)
JD41997-3DUP	3W75845.D	04/26/22	12:20	05:10	Duplicate
ZZZZZZ	3W75846.D	04/26/22	14:14	07:04	(unrelated sample)
ZZZZZZ	3W75847.D	04/26/22	15:00	07:50	(unrelated sample)
ZZZZZZ	3W75848.D	04/26/22	16:46	09:36	(unrelated sample)
JD42150-1	3W75849.D	04/26/22	17:36	10:26	IA-101
JD42150-2	3W75850.D	04/26/22	18:28	11:18	IA-102
JD42150-3	3W75851.D	04/26/22	19:19	12:09	IA-103
JD42150-4	3W75852.D	04/26/22	20:08	12:58	IA-104
JD42150-5	3W75853.D	04/26/22	20:55	13:45	IA-105
JD42150-6	3W75854.D	04/26/22	21:41	14:31	IA-106
JD42150-8	3W75855.D	04/26/22	22:27	15:17	IA-1
JD42150-9	3W75856.D	04/26/22	23:17	16:07	IA-2
JD42150-10	3W75857.D	04/27/22	00:07	16:57	IA-3
JD42150-11	3W75858.D	04/27/22	00:50	17:40	VP-1
JD42150-12	3W75859.D	04/27/22	01:31	18:21	VP-2
JD42150-13	3W75860.D	04/27/22	02:12	19:02	VP-3
JD42150-14	3W75861.D	04/27/22	02:53	19:43	DUP-1
ZZZZZZ	3W75862.D	04/27/22	03:33	20:23	(unrelated sample)
ZZZZZZ	3W75863.D	04/27/22	04:15	21:05	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample:	V3W2984-BFB	**Injection Date:**	04/26/22
Lab File ID:	3W75838.D	**Injection Time:**	07:10
Instrument ID:	GCMS3W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3W75864.D	04/27/22	04:58	21:48	(unrelated sample)
V3W2984-SCC	3W75865.D	04/27/22	05:40	22:30	Summa Cleaning Certification
V3W2984-SCC	3W75866.D	04/27/22	06:20	23:10	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample: V3W2986-BFB
Lab File ID: 3W75895.D
Instrument ID: GCMS3W
Injection Date: 04/28/22
Injection Time: 08:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	31632	23.5		Pass
75	30.0 - 66.0% of mass 95	74669	55.6		Pass
95	Base peak, 100% relative abundance	134397	100.0		Pass
96	5.0 - 9.0% of mass 95	8762	6.52		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	125712	93.5		Pass
175	4.0 - 9.01% of mass 174	10034	7.47	(7.98) [a]	Pass
176	93.0 - 101.0% of mass 174	124035	92.3	(98.7) [a]	Pass
177	5.0 - 9.0% of mass 176	8229	6.12	(6.63) [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
V3W2986-CC2981	3W75896.D	04/28/22	09:25	00:41	Continuing cal 10
V3W2986-BS	3W75897.D	04/28/22	10:18	01:34	Blank Spike
V3W2986-BSD	3W75898.D	04/28/22	10:59	02:15	Blank Spike Duplicate
V3W2986-MB	3W75900.D	04/28/22	12:45	04:01	Method Blank
JD42255-26	3W75901.D	04/28/22	13:45	05:01	(used for QC only; not part of job JD42150)
JD42255-26DUP	3W75902.D	04/28/22	14:32	05:48	Duplicate
ZZZZZZ	3W75903.D	04/28/22	15:18	06:34	(unrelated sample)
ZZZZZZ	3W75904.D	04/28/22	16:04	07:20	(unrelated sample)
ZZZZZZ	3W75905.D	04/28/22	16:51	08:07	(unrelated sample)
ZZZZZZ	3W75906.D	04/28/22	17:37	08:53	(unrelated sample)
ZZZZZZ	3W75907.D	04/28/22	18:23	09:39	(unrelated sample)
ZZZZZZ	3W75908.D	04/28/22	19:09	10:25	(unrelated sample)
ZZZZZZ	3W75909.D	04/28/22	19:55	11:11	(unrelated sample)
ZZZZZZ	3W75910.D	04/28/22	20:41	11:57	(unrelated sample)
ZZZZZZ	3W75911.D	04/28/22	21:28	12:44	(unrelated sample)
ZZZZZZ	3W75912.D	04/28/22	22:14	13:30	(unrelated sample)
ZZZZZZ	3W75913.D	04/28/22	23:00	14:16	(unrelated sample)
ZZZZZZ	3W75914.D	04/28/22	23:39	14:55	(unrelated sample)
ZZZZZZ	3W75915.D	04/29/22	00:25	15:41	(unrelated sample)
ZZZZZZ	3W75916.D	04/29/22	01:11	16:27	(unrelated sample)
ZZZZZZ	3W75917.D	04/29/22	01:58	17:14	(unrelated sample)
JD42150-14	3W75918.D	04/29/22	02:38	17:54	DUP-1
ZZZZZZ	3W75919.D	04/29/22	03:20	18:36	(unrelated sample)
ZZZZZZ	3W75921.D	04/29/22	04:48	20:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample:	V3W2986-BFB	**Injection Date:**	04/28/22
Lab File ID:	3W75895.D	**Injection Time:**	08:44
Instrument ID:	GCMS3W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W2986-SCC	3W75923.D	04/29/22	06:19	21:35	Summa Cleaning Certification
V3W2986-SCC	3W75924.D	04/29/22	07:06	22:22	Summa Cleaning Certification

Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V2W2600-CC2599	**Injection Date:**	03/19/22
Lab File ID:	2W58365.D	**Injection Time:**	13:06
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	196523	3.65	1023905	4.98	1026540	10.69
Upper Limit [a]	275132	3.98	1433467	5.31	1437156	11.02
Lower Limit [b]	117914	3.32	614343	4.65	615924	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2600-BS	227171	3.65	1143712	4.99	1086481	10.69
V2W2600-BSD	237824	3.65	1201162	4.99	1125333	10.69
V2W2600-MB	177458	3.65	940621	4.98	858078	10.69
V2W2600-SCC	173963	3.65	920782	4.99	829454	10.69
V2W2600-SCC	168872	3.65	885828	4.98	804591	10.69
V2W2600-SCC	166468	3.65	875886	4.99	791304	10.69
ZZZZZZ	169208	3.66	874688	4.99	781263	10.69
ZZZZZZ	176177	3.66	901547	4.99	788303	10.69
ZZZZZZ	177943	3.66	910142	4.99	788899	10.69
ZZZZZZ	174459	3.66	904881	4.99	789947	10.69
JD40265-2	169607	3.66	865950	4.99	780381	10.69
JD40265-2DUP	166101	3.66	848702	4.99	780643	10.69
ZZZZZZ	178167	3.66	922867	5.00	963054	10.70
ZZZZZZ	197432	3.66	997521	4.99	940525	10.69
ZZZZZZ	184527	3.66	958484	4.99	866664	10.69

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V2W2601-CC2599	**Injection Date:**	03/21/22
Lab File ID:	2W58392.D	**Injection Time:**	08:26
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	176836	3.65	944897	4.98	913047	10.69
Upper Limit [a]	247570	3.98	1322856	5.31	1278266	11.02
Lower Limit [b]	106102	3.32	566938	4.65	547828	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2601-BS	188246	3.65	979777	4.98	949806	10.68
V2W2601-BSD	207452	3.65	1075344	4.98	1033388	10.69
V2W2601-MB	145688	3.65	775723	4.98	721002	10.69
V2W2601-SCC	149482	3.65	802150	4.98	744088	10.69
V2W2601-SCC	149435	3.65	780539	4.98	723620	10.69
V2W2601-SCC	144716	3.65	761704	4.98	708726	10.69
V2W2601-SCC	146551	3.65	784619	4.98	724238	10.69
V2W2601-SCC	146060	3.65	779941	4.99	726174	10.69
V2W2601-SCC	145691	3.65	784285	4.99	721674	10.69
V2W2601-SCC	143005	3.65	766771	4.99	714517	10.69
ZZZZZZ	148254	3.65	774514	4.98	698336	10.69
V2W2601-SCC	140887	3.65	728632	4.99	687172	10.69
V2W2601-SCC	140633	3.65	739707	4.98	692882	10.69
ZZZZZZ	149346	3.65	794379	4.99	715082	10.69
ZZZZZZ	159816	3.66	841244	4.99	756932	10.69
ZZZZZZ	159332	3.66	835254	4.99	735355	10.69
ZZZZZZ	157709	3.65	842047	4.99	747192	10.69
JD40794-10	159970	3.65	840207	4.99	752439	10.69
JD40794-10DUP	159922	3.66	834840	4.99	747390	10.69
ZZZZZZ	159417	3.65	823947	4.99	743432	10.69
ZZZZZZ	157371	3.65	841430	4.99	747469	10.69
V2W2601-SCC	147454	3.65	792367	4.98	708111	10.69
ZZZZZZ	136174	3.65	717773	4.99	657431	10.69

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V2W2602-CC2599	**Injection Date:**	03/22/22
Lab File ID:	2W58423.D	**Injection Time:**	08:46
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	150230	3.65	806848	4.98	766526	10.69
Upper Limit [a]	210322	3.98	1129587	5.31	1073136	11.02
Lower Limit [b]	90138	3.32	484109	4.65	459916	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2602-BS	171517	3.65	896084	4.98	861682	10.69
V2W2602-BSD	166943	3.65	863077	4.98	821513	10.69
V2W2602-MB	138584	3.65	744249	4.98	685432	10.68
V2W2602-SCC	127241	3.65	673460	4.98	632190	10.68
V2W2602-SCC	131603	3.65	710019	4.98	662433	10.68
V2W2602-SCC	129222	3.65	693655	4.98	652710	10.68
V2W2602-SCC	130103	3.65	692470	4.98	644036	10.69
V2W2602-SCC	128466	3.65	684257	4.98	631142	10.69
V2W2602-SCC	123640	3.65	676850	4.98	632598	10.68
V2W2602-SCC	122809	3.65	672235	4.98	630301	10.69
V2W2602-SCC	124224	3.65	670943	4.98	622139	10.69
V2W2602-SCC	120980	3.65	667461	4.98	625180	10.69
V2W2602-SCC	122059	3.65	667483	4.98	620336	10.69
V2W2602-SCC	125313	3.65	675417	4.98	625636	10.69
V2W2602-SCC	123865	3.64	675986	4.98	625145	10.69
V2W2602-SCC	119126	3.65	650905	4.98	604382	10.69
V2W2602-SCC	119130	3.65	651144	4.98	612845	10.69
V2W2602-SCC	120635	3.65	661221	4.98	611209	10.69
V2W2602-SCC	120617	3.64	653584	4.98	618207	10.69
V2W2602-SCC	120239	3.64	650948	4.98	606019	10.69
V2W2602-SCC	118620	3.65	657806	4.98	610654	10.68
V2W2602-SCC	114873	3.64	638245	4.98	588900	10.69
V2W2602-SCC	117723	3.65	636615	4.98	595520	10.68

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V2W2603-CC2599	**Injection Date:**	03/23/22
Lab File ID:	2W58454.D	**Injection Time:**	08:57
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	150253	3.65	812130	4.98	739118	10.69
Upper Limit [a]	210354	3.98	1136982	5.31	1034765	11.02
Lower Limit [b]	90152	3.32	487278	4.65	443471	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2603-BS	152723	3.65	814257	4.98	789869	10.69
V2W2603-BSD	166522	3.65	873081	4.98	847351	10.69
V2W2603-MB	125485	3.65	679947	4.98	624916	10.68
V2W2603-SCC	113682	3.65	626744	4.98	578824	10.69
V2W2603-SCC	111716	3.65	616388	4.98	570775	10.69
V2W2603-SCC	112699	3.65	633629	4.98	588163	10.69
V2W2603-SCC	113225	3.65	620572	4.98	570719	10.69
V2W2603-SCC	116286	3.64	629409	4.98	584788	10.69
V2W2603-SCC	112935	3.65	631116	4.98	588113	10.69
V2W2603-SCC	115007	3.65	634016	4.98	590837	10.69
V2W2603-SCC	115084	3.65	633077	4.98	585362	10.68
V2W2603-SCC	109518	3.65	617160	4.98	566967	10.69
V2W2603-SCC	115904	3.65	631742	4.98	583057	10.69
V2W2603-SCC	110230	3.65	616246	4.98	572519	10.69
V2W2603-SCC	112255	3.65	621325	4.98	568421	10.68
V2W2603-SCC	110913	3.65	620246	4.98	572850	10.68
V2W2603-SCC	111350	3.65	615912	4.98	571559	10.69
V2W2603-SCC	110088	3.65	604993	4.98	556088	10.69
V2W2603-SCC	109690	3.65	609645	4.98	562642	10.69
V2W2603-SCC	107923	3.65	607388	4.98	559298	10.69
V2W2603-SCC	108451	3.65	598778	4.98	546963	10.69
V2W2603-SCC	109059	3.65	600892	4.98	551041	10.69
V2W2603-SCC	111354	3.65	609092	4.99	561530	10.69
V2W2603-SCC	108887	3.65	609855	4.98	560458	10.68
V2W2603-SCC	103337	3.65	577239	4.99	531927	10.69
V2W2603-SCC	107819	3.65	586485	4.98	539425	10.69

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V3W2984-CC2981	**Injection Date:**	04/26/22
Lab File ID:	3W75839.D	**Injection Time:**	07:51
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	116674	8.13	601027	9.84	326183	14.10
Upper Limit [a]	163344	8.46	841438	10.17	456656	14.43
Lower Limit [b]	70004	7.80	360616	9.51	195710	13.77

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W2984-BS	123557	8.13	643927	9.84	347270	14.10
V3W2984-BSD	127018	8.13	658841	9.84	357392	14.10
V3W2984-MB	137400	8.13	714653	9.84	358903	14.10
JD41997-3	141578	8.13	728780	9.84	367575	14.10
JD41997-3DUP	138345	8.13	670500	9.84	334996	14.10
ZZZZZZ	131763	8.12	674887	9.84	339971	14.10
ZZZZZZ	134734	8.13	687050	9.84	339520	14.10
ZZZZZZ	131204	8.13	651470	9.84	310032	14.10
JD42150-1	133993	8.13	677921	9.84	327163	14.10
JD42150-2	129916	8.13	650091	9.84	329041	14.10
JD42150-3	130376	8.13	663920	9.84	322006	14.10
JD42150-4	126041	8.13	639967	9.84	315007	14.10
JD42150-5	131618	8.13	665096	9.84	316709	14.10
JD42150-6	123280	8.13	616409	9.84	315992	14.10
JD42150-8	117018	8.12	591934	9.84	292937	14.10
JD42150-9	126027	8.13	635193	9.84	309939	14.10
JD42150-10	124178	8.13	630041	9.84	314277	14.10
JD42150-11	125611	8.13	638329	9.84	321963	14.10
JD42150-12	114989	8.12	591074	9.84	294025	14.10
JD42150-13	132876	8.13	650536	9.84	319001	14.10
JD42150-14	140074	8.13	707163	9.84	327239	14.10
ZZZZZZ	138662	8.13	694950	9.84	325688	14.10
ZZZZZZ	136305	8.13	686362	9.84	341001	14.10
ZZZZZZ	132064	8.13	667342	9.84	337389	14.10
V3W2984-SCC	113522	8.13	576633	9.84	290255	14.10
V3W2984-SCC	102894	8.13	584621	9.84	313375	14.10

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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Check Std:	V3W2986-CC2981	**Injection Date:**	04/28/22
Lab File ID:	3W75896.D	**Injection Time:**	09:25
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	99339	8.13	506681	9.84	270881	14.10
Upper Limit [a]	139075	8.46	709353	10.17	379233	14.43
Lower Limit [b]	59603	7.80	304009	9.51	162529	13.77

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W2986-BS	99544	8.13	511079	9.84	282231	14.10
V3W2986-BSD	100804	8.13	523727	9.84	290246	14.10
V3W2986-MB	110920	8.13	569380	9.84	250319	14.10
JD42255-26	111449	8.13	568725	9.84	284140	14.10
JD42255-26DUP	111086	8.13	555917	9.84	266111	14.10
ZZZZZZ	107986	8.12	547976	9.84	272829	14.10
ZZZZZZ	109338	8.12	550713	9.84	267026	14.10
ZZZZZZ	110372	8.13	530723	9.84	255505	14.10
ZZZZZZ	106720	8.13	538845	9.84	245636	14.10
ZZZZZZ	104758	8.13	534154	9.84	261048	14.10
ZZZZZZ	112736	8.13	575764	9.84	282555	14.10
ZZZZZZ	114448	8.13	583784	9.84	288234	14.10
ZZZZZZ	104566	8.13	534928	9.84	258659	14.10
ZZZZZZ	107260	8.13	537151	9.84	261792	14.10
ZZZZZZ	96818	8.13	486917	9.84	245614	14.10
ZZZZZZ	102864	8.12	511403	9.84	248525	14.10
ZZZZZZ	98898	8.12	494375	9.84	230180	14.10
ZZZZZZ	92557	8.13	455374	9.84	202536	14.10
ZZZZZZ	96665	8.13	489996	9.84	244064	14.10
ZZZZZZ	97892	8.13	493638	9.84	219818	14.10
JD42150-14 [c]	108494	8.13	547848	9.84	260737	14.10
ZZZZZZ	105746	8.13	539946	9.84	262783	14.10
ZZZZZZ	95585	8.12	475789	9.84	233275	14.10
V3W2986-SCC	88877	8.13	428815	9.84	253780	14.10
V3W2986-SCC	89178	8.13	448616	9.84	250209	14.10

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

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Sample analyzed outside the holding time.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
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	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.16	3.65	1.140	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.98	1.574	ok	1.573	1.513-1.633
1,4-Dioxane	5.61	4.98	1.127	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.98	1.673	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	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	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.25	3.65	1.164	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.00	4.98	1.205	ok	1.205	1.145-1.265
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	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.36	4.98	1.679	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	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	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.14	10.69	1.323	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	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	5.68	4.98	1.141	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.98	1.918	ok	1.915	1.855-1.975
Tetrahydrofuran	3.96	3.65	1.085	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.27	3.65	0.896	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	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	3.65	ok	3.65	3.32-3.98	167567	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	871525	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	797944	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.62	3.65	0.718	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.37	3.65	0.649	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.90	10.69	1.581	ok	1.580	1.520-1.640
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	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.22	3.65	0.608	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.74	3.65	0.751	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.573	1.513-1.633
1,4-Dioxane	5.63	4.98	1.131	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.34	4.98	1.675	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	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	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.25	3.65	1.164	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acetate	3.72	3.65	1.019	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.98	1.207	ok	1.205	1.145-1.265
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	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.98	1.681	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.54	10.69	1.360	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	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	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.23	3.65	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.91	4.98	1.187	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.14	10.69	1.323	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.89	10.69	1.486	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	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	4.98	1.139	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.53	4.98	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.97	3.65	1.088	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.05	10.69	1.127	ok	1.130	1.070-1.190
o-Xylene	13.02	10.69	1.218	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	3.65	ok	3.65	3.32-3.98	166220	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	871478	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	791788	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
1,3-Butadiene	2.05	3.65	0.562	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.98	1.108	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.15	3.65	0.589	ok	0.592	0.532-0.652
Bromoethene	2.35	3.65	0.644	ok	0.647	0.587-0.707
n-Butane	2.07	3.65	0.567	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.07	10.69	1.597	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.83	3.65	0.501	ok	0.504	0.444-0.564
Chloroethane	2.22	3.65	0.608	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.35	4.98	1.074	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.98	1.574	ok	1.573	1.513-1.633
1,4-Dioxane	5.63	4.98	1.131	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.25	3.65	0.616	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.98	1.673	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373
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	16.95	10.69	1.586	ok	1.586	1.526-1.646

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.72	3.65	1.019	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.65	0.784	ok	0.786	0.726-0.846
Freon 114	1.96	3.65	0.537	ok	0.539	0.479-0.599
Freon 123	2.41	3.65	0.660	ok	0.663	0.603-0.723
Freon 123A	2.43	3.65	0.666	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.81	3.65	0.496	ok	0.498	0.438-0.558
Heptane	6.00	4.98	1.205	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.98	1.681	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
p-Isopropyltoluene	17.25	10.69	1.614	ok	1.614	1.554-1.674
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.64	4.98	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.183	1.123-1.243
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.89	10.69	1.486	ok	1.487	1.427-1.547
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
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	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.72	10.69	1.751	ok	1.735	1.675-1.795
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	16.36	10.69	1.530	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tetrachloroethylene	9.54	4.98	1.916	ok	1.915	1.855-1.975
Tetrahydrofuran	3.96	3.65	1.085	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.25	3.65	0.890	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	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	3.65	ok	3.65	3.32-3.98	167149	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	869549	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	779098	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	2.62	3.65	0.718	ok	0.716	0.656-0.776
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.17	3.65	0.595	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.09	3.65	0.573	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.69	1.008	ok	1.008	0.948-1.068
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.74	3.65	0.751	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.69	4.99	1.741	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.99	1.573	ok	1.573	1.513-1.633
1,4-Dioxane	5.65	4.99	1.132	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.88	3.65	0.515	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.32	4.99	1.667	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.10	3.65	0.849	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
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	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.25	4.99	1.453	ok	1.452	1.392-1.512
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.45	3.65	0.671	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.38	4.99	1.679	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.53	10.69	1.359	ok	1.361	1.301-1.421
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.23	3.65	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.91	4.99	1.184	ok	1.183	1.123-1.243
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.67	4.99	1.938	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
Styrene	12.83	10.69	1.200	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
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	4.99	1.483	ok	1.485	1.425-1.545
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	16.36	10.69	1.530	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.97	3.65	1.088	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.59	4.99	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.53	3.65	0.693	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.08	10.69	1.130	ok	1.130	1.070-1.190

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Xylene	13.03	10.69	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	3.65	ok	3.65	3.32-3.98	161907	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	843824	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	756941	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.46	3.65	0.674	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.42	10.69	1.349	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
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	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.99	1.571	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	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	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.27	3.65	0.622	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
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	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	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	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.99	1.180	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.99	1.940	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
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: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	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	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.99	1.118	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	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	3.65	ok	3.65	3.32-3.98	172839	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	881609	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	836687	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
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	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.57	10.69	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.99	1.571	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
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	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.56	10.69	1.362	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	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	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.64	4.99	1.331	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.99	1.180	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.99	1.940	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.735	1.675-1.795
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	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.99	1.118	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	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	3.65	ok	3.65	3.32-3.98	189435	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	969216	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	956561	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.99	1.108	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
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	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.57	10.69	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.16	3.65	1.140	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.99	1.573	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.88	10.69	1.579	ok	1.578	1.518-1.638

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
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	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.14	4.99	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
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	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.56	10.69	1.362	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	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	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.99	1.182	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.69	4.99	1.942	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.91	10.69	1.488	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.33	10.69	1.247	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	16.82	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	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.79	4.99	1.561	ok	1.561	1.501-1.621
Trichloroethylene	5.59	4.99	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.69	1.132	ok	1.130	1.070-1.190
o-Xylene	13.04	10.69	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	3.65	ok	3.65	3.32-3.98	239354	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	1230611	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	1170975	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.66	8.12	0.697	ok	0.696	0.636-0.756
Acrolein	5.55	8.12	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.00	8.12	0.739	ok	0.738	0.678-0.798
1,3-Butadiene	4.86	8.12	0.599	ok	0.599	0.539-0.659
Benzene	9.53	9.84	0.968	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.48	9.84	1.065	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.12	0.626	ok	0.625	0.565-0.685
Bromoethene	5.46	8.12	0.672	ok	0.673	0.613-0.733
n-Butane	4.90	8.12	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.63	8.12	0.817	ok	0.816	0.756-0.876
Chlorobenzene	14.14	14.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.12	0.541	ok	0.540	0.480-0.600
Chloroethane	5.21	8.12	0.642	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.12	0.544	ok	0.544	0.484-0.604
Chloroform	8.23	8.12	1.014	ok	1.013	0.953-1.073
Chloromethane	4.59	8.12	0.565	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.12	0.796	ok	0.794	0.734-0.854
2-Chlorotoluene	16.46	14.10	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.12	1.191	ok	1.190	1.130-1.250
Cyclohexane	9.80	9.84	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.12	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.12	0.772	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.97	14.10	0.920	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.12	1.095	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.31	9.84	1.251	ok	1.252	1.192-1.312
1,4-Dioxane	10.56	9.84	1.073	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.47	8.12	0.550	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.12	0.648	ok	0.647	0.587-0.707
Dibromochloromethane	12.72	14.10	0.902	ok	0.903	0.843-0.963
Dibromomethane	10.27	9.84	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.12	0.876	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	7.98	8.12	0.983	ok	0.982	0.922-1.042

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.40	14.10	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.47	14.10	1.239	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.85	9.84	1.204	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.14	8.12	1.002	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.92	8.12	1.099	ok	1.098	1.038-1.158
Ethanol	5.29	8.12	0.651	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.15	8.12	1.004	ok	1.002	0.942-1.062
Ethyl Acrylate	10.26	9.84	1.043	ok	1.043	0.983-1.103
Freon 113	6.55	8.12	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.12	0.575	ok	0.575	0.515-0.635
Freon 123	5.56	8.12	0.685	ok	0.684	0.624-0.744
Freon 123A	5.60	8.12	0.690	ok	0.689	0.629-0.749
Freon 142B	4.58	8.12	0.564	ok	0.564	0.504-0.624
Freon 152A	4.36	8.12	0.537	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.13	8.12	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.56	14.10	0.891	ok	0.890	0.830-0.950
Iodomethane	6.22	8.12	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.83	8.12	0.718	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.71	14.10	1.256	ok	1.256	1.196-1.316
Methylene chloride	6.35	8.12	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.62	8.12	0.938	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.38	9.84	1.157	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.32	8.12	0.901	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.99	14.10	1.418	ok	1.417	1.357-1.477
Nonane	15.48	14.10	1.098	ok	1.097	1.037-1.157
Octane	13.27	14.10	0.941	ok	0.941	0.881-1.001
Pentane	6.04	8.12	0.744	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229
Propylene	4.42	8.12	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	9.12	8.12	1.123	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.10	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.39	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.10	1.257	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.74	14.10	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.12	0.776	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.10	0.954	ok	0.954	0.894-1.014
Tetrahydrofuran	8.64	8.12	1.064	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.78	8.12	0.712	ok	0.711	0.651-0.771
Vinyl chloride	4.76	8.12	0.586	ok	0.586	0.526-0.646
m,p-Xylene	14.73	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.24	14.10	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.12	ok	8.13	7.80-8.46	120607	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	633925	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	275118	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.66	8.13	0.696	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.00	8.13	0.738	ok	0.738	0.678-0.798
Acetonitrile	5.46	8.13	0.672	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.53	9.84	0.968	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.47	9.84	1.064	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.13	0.625	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.13	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.64	8.13	0.817	ok	0.816	0.756-0.876
Chlorobenzene	14.15	14.10	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.40	8.13	0.541	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.23	8.13	1.012	ok	1.013	0.953-1.073
Chloromethane	4.60	8.13	0.566	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.13	0.795	ok	0.794	0.734-0.854
2-Chlorotoluene	16.44	14.10	1.166	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.10	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.88	8.13	1.092	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.31	9.84	1.251	ok	1.252	1.192-1.312
1,4-Dioxane	10.56	9.84	1.073	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.10	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.27	9.84	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.12	8.13	0.876	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.40	14.10	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.10	1.240	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.13	8.13	1.000	ok	1.000	0.940-1.060
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.93	8.13	1.098	ok	1.098	1.038-1.158
Ethanol	5.28	8.13	0.649	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.15	8.13	1.002	ok	1.002	0.942-1.062
Ethyl Acrylate	10.27	9.84	1.044	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.10	1.182	ok	1.181	1.121-1.241
Freon 113	6.55	8.13	0.806	ok	0.806	0.746-0.866
Freon 114	4.68	8.13	0.576	ok	0.575	0.515-0.635
Freon 123	5.56	8.13	0.684	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.58	8.13	0.563	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.15	8.13	1.002	ok	1.002	0.942-1.062
2-Hexanone	12.56	14.10	0.891	ok	0.890	0.830-0.950
Iodomethane	6.23	8.13	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.84	8.13	0.718	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.10	1.257	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.62	8.13	0.937	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.37	9.84	1.155	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.33	8.13	0.902	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.99	14.10	1.418	ok	1.417	1.357-1.477
Nonane	15.47	14.10	1.097	ok	1.097	1.037-1.157
Octane	13.28	14.10	0.942	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.10	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.39	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.10	1.257	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.74	14.10	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.13	0.775	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.10	0.954	ok	0.954	0.894-1.014
Tetrahydrofuran	8.64	8.13	1.063	ok	1.060	1.000-1.120
Toluene	12.29	9.84	1.249	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.79	8.13	0.712	ok	0.711	0.651-0.771
Vinyl chloride	4.76	8.13	0.585	ok	0.586	0.526-0.646
Vinyl Acetate	7.37	8.13	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.73	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.25	14.10	1.082	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	118952	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	621367	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	279583	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.66	8.13	0.696	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	5.99	8.13	0.737	ok	0.738	0.678-0.798
Acetonitrile	5.46	8.13	0.672	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.54	9.84	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.48	9.84	1.065	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.09	8.13	0.626	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.13	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.64	8.13	0.817	ok	0.816	0.756-0.876
Chlorobenzene	14.15	14.10	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.13	0.540	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.43	8.13	0.545	ok	0.544	0.484-0.604
Chloroform	8.23	8.13	1.012	ok	1.013	0.953-1.073
Chloromethane	4.61	8.13	0.567	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.13	0.795	ok	0.794	0.734-0.854
2-Chlorotoluene	16.45	14.10	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.28	8.13	0.772	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.10	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.13	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.31	9.84	1.251	ok	1.252	1.192-1.312
1,4-Dioxane	10.54	9.84	1.071	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.47	8.13	0.550	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.27	8.13	0.648	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.10	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.28	9.84	1.045	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.39	14.10	1.233	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.10	1.240	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.14	8.13	1.001	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.93	8.13	1.098	ok	1.098	1.038-1.158
Ethanol	5.29	8.13	0.651	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.16	8.13	1.004	ok	1.002	0.942-1.062
Ethyl Acrylate	10.27	9.84	1.044	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.10	1.182	ok	1.181	1.121-1.241
Freon 113	6.56	8.13	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.57	8.13	0.685	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.59	8.13	0.565	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.14	8.13	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.56	14.10	0.891	ok	0.890	0.830-0.950
Iodomethane	6.24	8.13	0.768	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.83	8.13	0.717	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.10	1.257	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.62	8.13	0.937	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.36	9.84	1.154	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.33	8.13	0.902	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.99	14.10	1.418	ok	1.417	1.357-1.477
Nonane	15.47	14.10	1.097	ok	1.097	1.037-1.157
Octane	13.27	14.10	0.941	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.10	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.38	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.10	1.257	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.74	14.10	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.13	0.775	ok	0.774	0.714-0.834
Tetrachloroethylene	13.44	14.10	0.953	ok	0.954	0.894-1.014
Tetrahydrofuran	8.63	8.13	1.062	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.79	8.13	0.712	ok	0.711	0.651-0.771
Vinyl chloride	4.76	8.13	0.585	ok	0.586	0.526-0.646
Vinyl Acetate	7.39	8.13	0.909	ok	0.907	0.847-0.967
m,p-Xylene	14.73	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.24	14.10	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	118912	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	618395	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	285601	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.66	8.13	0.696	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.00	8.13	0.738	ok	0.738	0.678-0.798
Acetonitrile	5.46	8.13	0.672	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.53	9.84	0.968	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.47	9.84	1.064	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.09	8.13	0.626	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.13	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.64	8.13	0.817	ok	0.816	0.756-0.876
Chlorobenzene	14.14	14.10	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.40	8.13	0.541	ok	0.540	0.480-0.600
Chloroethane	5.21	8.13	0.641	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.23	8.13	1.012	ok	1.013	0.953-1.073
Chloromethane	4.61	8.13	0.567	ok	0.566	0.506-0.626
3-Chloropropene	6.45	8.13	0.793	ok	0.794	0.734-0.854
2-Chlorotoluene	16.45	14.10	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.10	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.13	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.32	9.84	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.54	9.84	1.071	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.10	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.27	9.84	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.39	14.10	1.233	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.47	14.10	1.239	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.13	8.13	1.000	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.92	8.13	1.097	ok	1.098	1.038-1.158
Ethanol	5.29	8.13	0.651	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.15	8.13	1.002	ok	1.002	0.942-1.062
Ethyl Acrylate	10.26	9.84	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.10	1.182	ok	1.181	1.121-1.241
Freon 113	6.56	8.13	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.57	8.13	0.685	ok	0.684	0.624-0.744
Freon 123A	5.61	8.13	0.690	ok	0.689	0.629-0.749
Freon 142B	4.59	8.13	0.565	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.15	8.13	1.002	ok	1.002	0.942-1.062
2-Hexanone	12.55	14.10	0.890	ok	0.890	0.830-0.950
Iodomethane	6.23	8.13	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.83	8.13	0.717	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.10	1.257	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.61	8.13	0.936	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.36	9.84	1.154	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.33	8.13	0.902	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.99	14.10	1.418	ok	1.417	1.357-1.477
Nonane	15.48	14.10	1.098	ok	1.097	1.037-1.157
Octane	13.27	14.10	0.941	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.23	14.10	1.080	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.38	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.71	14.10	1.256	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.74	14.10	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.13	0.775	ok	0.774	0.714-0.834
Tetrachloroethylene	13.44	14.10	0.953	ok	0.954	0.894-1.014
Tetrahydrofuran	8.62	8.13	1.060	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.79	8.13	0.712	ok	0.711	0.651-0.771
Vinyl chloride	4.77	8.13	0.587	ok	0.586	0.526-0.646
Vinyl Acetate	7.37	8.13	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.73	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.24	14.10	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	119208	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	623870	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	290210	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	Reporting this level
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.65	8.13	0.695	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	5.99	8.13	0.737	ok	0.738	0.678-0.798
Acetonitrile	5.45	8.13	0.670	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.54	9.84	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.48	9.84	1.065	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.13	0.625	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.13	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.63	8.13	0.815	ok	0.816	0.756-0.876
Chlorobenzene	14.15	14.10	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.13	0.540	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.24	8.13	1.014	ok	1.013	0.953-1.073
Chloromethane	4.60	8.13	0.566	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.13	0.795	ok	0.794	0.734-0.854
2-Chlorotoluene	16.45	14.10	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.10	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.13	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.32	9.84	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.51	9.84	1.068	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.10	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.27	9.84	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	Reporting this level
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.40	14.10	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.10	1.240	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.12	8.13	0.999	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.92	8.13	1.097	ok	1.098	1.038-1.158
Ethanol	5.28	8.13	0.649	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.14	8.13	1.001	ok	1.002	0.942-1.062
Ethyl Acrylate	10.26	9.84	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.10	1.182	ok	1.181	1.121-1.241
Freon 113	6.56	8.13	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.56	8.13	0.684	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.58	8.13	0.563	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.14	8.13	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.55	14.10	0.890	ok	0.890	0.830-0.950
Iodomethane	6.23	8.13	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.82	8.13	0.716	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.10	1.257	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.60	8.13	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.36	9.84	1.154	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.31	8.13	0.899	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.98	14.10	1.417	ok	1.417	1.357-1.477
Nonane	15.47	14.10	1.097	ok	1.097	1.037-1.157
Octane	13.28	14.10	0.942	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	Reporting this level
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.10	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.38	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.10	1.257	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.74	14.10	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.29	8.13	0.774	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.10	0.954	ok	0.954	0.894-1.014
Tetrahydrofuran	8.60	8.13	1.058	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.78	8.13	0.711	ok	0.711	0.651-0.771
Vinyl chloride	4.77	8.13	0.587	ok	0.586	0.526-0.646
Vinyl Acetate	7.37	8.13	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.74	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.24	14.10	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	115979	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	595897	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	288862	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.65	8.13	0.695	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	5.99	8.13	0.737	ok	0.738	0.678-0.798
Acetonitrile	5.45	8.13	0.670	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.54	9.84	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.10	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.48	9.84	1.065	ok	1.065	1.005-1.125
Bromoform	14.83	14.10	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.13	0.625	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.90	8.13	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.10	1.233	ok	1.232	1.172-1.292
n-Butylbenzene	18.20	14.10	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.10	1.243	ok	1.243	1.183-1.303
tert-Butylbenzene	17.21	14.10	1.221	ok	1.221	1.161-1.281
Carbon disulfide	6.63	8.13	0.815	ok	0.816	0.756-0.876
Chlorobenzene	14.15	14.10	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.13	0.540	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.24	8.13	1.014	ok	1.013	0.953-1.073
Chloromethane	4.61	8.13	0.567	ok	0.566	0.506-0.626
3-Chloropropene	6.45	8.13	0.793	ok	0.794	0.734-0.854
2-Chlorotoluene	16.45	14.10	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.10	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.13	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.32	9.84	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.51	9.84	1.068	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.10	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.28	9.84	1.045	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.40	14.10	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.10	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.10	1.240	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.12	8.13	0.999	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.92	8.13	1.097	ok	1.098	1.038-1.158
Ethanol	5.28	8.13	0.649	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.10	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.14	8.13	1.001	ok	1.002	0.942-1.062
Ethyl Acrylate	10.26	9.84	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.10	1.182	ok	1.181	1.121-1.241
Freon 113	6.55	8.13	0.806	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.56	8.13	0.684	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.58	8.13	0.563	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.10	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.10	1.323	ok	1.322	1.262-1.382
Hexane	8.14	8.13	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.55	14.10	0.890	ok	0.890	0.830-0.950
Iodomethane	6.22	8.13	0.765	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.10	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.82	8.13	0.716	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.10	1.257	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.60	8.13	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.35	9.84	1.153	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.31	8.13	0.899	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.98	14.10	1.417	ok	1.417	1.357-1.477
Nonane	15.47	14.10	1.097	ok	1.097	1.037-1.157
Octane	13.28	14.10	0.942	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.10	1.170	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.12	14.10	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.10	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.10	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.10	1.409	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.38	14.10	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.10	1.257	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.10	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.75	14.10	1.188	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.29	8.13	0.774	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.10	0.954	ok	0.954	0.894-1.014
Tetrahydrofuran	8.60	8.13	1.058	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.78	8.13	0.711	ok	0.711	0.651-0.771
Vinyl chloride	4.76	8.13	0.585	ok	0.586	0.526-0.646
Vinyl Acetate	7.37	8.13	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.74	14.10	1.045	ok	1.045	0.985-1.105
o-Xylene	15.25	14.10	1.082	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	116517	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	602060	ok	628389	377033-879745
Chlorobenzene-D5	14.10	ok	14.10	13.77-14.43	299982	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.65	8.13	0.695	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.00	8.13	0.738	ok	0.738	0.678-0.798
Acetonitrile	5.45	8.13	0.670	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.54	9.84	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.11	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.48	9.84	1.065	ok	1.065	1.005-1.125
Bromoform	14.83	14.11	1.051	ok	1.052	0.992-1.112
Bromomethane	5.08	8.13	0.625	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.90	8.13	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	17.38	14.11	1.232	ok	1.232	1.172-1.292
n-Butylbenzene	18.21	14.11	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.11	1.242	ok	1.243	1.183-1.303
tert-Butylbenzene	17.22	14.11	1.220	ok	1.221	1.161-1.281
Carbon disulfide	6.63	8.13	0.815	ok	0.816	0.756-0.876
Chlorobenzene	14.15	14.11	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.13	0.540	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.24	8.13	1.014	ok	1.013	0.953-1.073
Chloromethane	4.60	8.13	0.566	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.13	0.795	ok	0.794	0.734-0.854
2-Chlorotoluene	16.45	14.11	1.166	ok	1.167	1.107-1.227
Carbon tetrachloride	9.67	8.13	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.79	9.84	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.28	8.13	0.895	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.11	0.920	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.89	8.13	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.29	9.84	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.32	9.84	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.51	9.84	1.068	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.73	14.11	0.902	ok	0.903	0.843-0.963
Dibromomethane	10.28	9.84	1.045	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.98	8.13	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.84	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.40	14.11	1.233	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.87	14.11	1.266	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.11	1.239	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.84	9.84	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.13	8.13	1.000	ok	1.000	0.940-1.060
2,3-Dimethylpentane	9.99	9.84	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.93	8.13	1.098	ok	1.098	1.038-1.158
Ethanol	5.28	8.13	0.649	ok	0.650	0.590-0.710
Ethylbenzene	14.54	14.11	1.030	ok	1.031	0.971-1.091
Ethyl Acetate	8.14	8.13	1.001	ok	1.002	0.942-1.062
Ethyl Acrylate	10.26	9.84	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.11	1.181	ok	1.181	1.121-1.241
Freon 113	6.56	8.13	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.56	8.13	0.684	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.58	8.13	0.563	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.84	1.095	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.11	1.444	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.11	1.322	ok	1.322	1.262-1.382
Hexane	8.15	8.13	1.002	ok	1.002	0.942-1.062
2-Hexanone	12.54	14.11	0.889	ok	0.890	0.830-0.950
Iodomethane	6.23	8.13	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.90	14.11	1.127	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.82	8.13	0.716	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.11	1.256	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.60	8.13	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.35	9.84	1.153	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.31	8.13	0.899	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.84	1.085	ok	1.085	1.025-1.145
Naphthalene	19.98	14.11	1.416	ok	1.417	1.357-1.477
Nonane	15.48	14.11	1.097	ok	1.097	1.037-1.157
Octane	13.27	14.11	0.940	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.11	1.169	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.13	14.11	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.12	8.13	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.13	14.11	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.24	14.11	1.080	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.02	9.84	1.222	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.11	1.408	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.39	14.11	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.11	1.256	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.22	14.11	1.220	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.75	14.11	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.53	9.84	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.28	8.13	0.772	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.11	0.953	ok	0.954	0.894-1.014
Tetrahydrofuran	8.60	8.13	1.058	ok	1.060	1.000-1.120
Toluene	12.30	9.84	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.51	9.84	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.78	8.13	0.711	ok	0.711	0.651-0.771
Vinyl chloride	4.77	8.13	0.587	ok	0.586	0.526-0.646
Vinyl Acetate	7.37	8.13	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.73	14.11	1.044	ok	1.045	0.985-1.105
o-Xylene	15.25	14.11	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	118428	ok	119195	71517-166873
1,4-Difluorobenzene	9.84	ok	9.84	9.51-10.17	623479	ok	628389	377033-879745
Chlorobenzene-D5	14.11	ok	14.10	13.77-14.43	325410	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.65	8.14	0.694	ok	0.696	0.636-0.756
Acrolein	5.56	8.14	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.01	8.14	0.738	ok	0.738	0.678-0.798
Acetonitrile	5.46	8.14	0.671	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.14	0.598	ok	0.599	0.539-0.659
Benzene	9.55	9.85	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.01	14.11	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.49	9.85	1.065	ok	1.065	1.005-1.125
Bromoform	14.84	14.11	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.14	0.624	ok	0.625	0.565-0.685
Bromoethene	5.48	8.14	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.14	0.603	ok	0.604	0.544-0.664
Benzyl Chloride	17.39	14.11	1.232	ok	1.232	1.172-1.292
n-Butylbenzene	18.21	14.11	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.11	1.242	ok	1.243	1.183-1.303
tert-Butylbenzene	17.22	14.11	1.220	ok	1.221	1.161-1.281
Carbon disulfide	6.64	8.14	0.816	ok	0.816	0.756-0.876
Chlorobenzene	14.16	14.11	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.40	8.14	0.541	ok	0.540	0.480-0.600
Chloroethane	5.21	8.14	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.43	8.14	0.544	ok	0.544	0.484-0.604
Chloroform	8.24	8.14	1.012	ok	1.013	0.953-1.073
Chloromethane	4.61	8.14	0.566	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.14	0.794	ok	0.794	0.734-0.854
2-Chlorotoluene	16.46	14.11	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.68	8.14	1.189	ok	1.190	1.130-1.250
Cyclohexane	9.80	9.85	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.29	8.14	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.28	8.14	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.98	14.11	0.920	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.90	8.14	1.093	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.30	9.85	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.33	9.85	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.51	9.85	1.067	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.14	0.550	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.14	0.646	ok	0.647	0.587-0.707
Dibromochloromethane	12.74	14.11	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.28	9.85	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.12	8.14	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.99	8.14	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.33	9.85	1.150	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.41	14.11	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.88	14.11	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.11	1.239	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.85	9.85	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.13	8.14	0.999	ok	1.000	0.940-1.060
2,3-Dimethylpentane	10.00	9.85	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.93	8.14	1.097	ok	1.098	1.038-1.158
Ethanol	5.29	8.14	0.650	ok	0.650	0.590-0.710
Ethylbenzene	14.55	14.11	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.15	8.14	1.001	ok	1.002	0.942-1.062
Ethyl Acrylate	10.27	9.85	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.11	1.181	ok	1.181	1.121-1.241
Freon 113	6.56	8.14	0.806	ok	0.806	0.746-0.866
Freon 114	4.67	8.14	0.574	ok	0.575	0.515-0.635
Freon 123	5.57	8.14	0.684	ok	0.684	0.624-0.744
Freon 123A	5.61	8.14	0.689	ok	0.689	0.629-0.749
Freon 142B	4.59	8.14	0.564	ok	0.564	0.504-0.624
Freon 152A	4.36	8.14	0.536	ok	0.536	0.476-0.596
Heptane	10.77	9.85	1.093	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.38	14.11	1.444	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.11	1.322	ok	1.322	1.262-1.382
Hexane	8.15	8.14	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.55	14.11	0.889	ok	0.890	0.830-0.950
Iodomethane	6.23	8.14	0.765	ok	0.766	0.706-0.826
Isopropylbenzene	15.91	14.11	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.83	8.14	0.716	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.11	1.256	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.14	0.781	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.61	8.14	0.935	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.36	9.85	1.153	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.31	8.14	0.898	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.85	1.084	ok	1.085	1.025-1.145
Naphthalene	19.99	14.11	1.417	ok	1.417	1.357-1.477
Nonane	15.48	14.11	1.097	ok	1.097	1.037-1.157
Octane	13.28	14.11	0.941	ok	0.941	0.881-1.001
Pentane	6.04	8.14	0.742	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.11	1.169	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	Reporting this level
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.14	0.543	ok	0.544	0.484-0.604
Styrene	15.13	14.11	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.13	8.14	1.122	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.14	14.11	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.25	14.11	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.03	9.85	1.221	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.11	1.408	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.39	14.11	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.11	1.256	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.23	14.11	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.75	14.11	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.54	9.85	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.14	0.774	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.11	0.953	ok	0.954	0.894-1.014
Tetrahydrofuran	8.60	8.14	1.057	ok	1.060	1.000-1.120
Toluene	12.30	9.85	1.249	ok	1.250	1.190-1.310
Trichloroethylene	10.52	9.85	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.79	8.14	0.711	ok	0.711	0.651-0.771
Vinyl chloride	4.77	8.14	0.586	ok	0.586	0.526-0.646
Vinyl Acetate	7.38	8.14	0.907	ok	0.907	0.847-0.967
m,p-Xylene	14.75	14.11	1.045	ok	1.045	0.985-1.105
o-Xylene	15.25	14.11	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.14	ok	8.13	7.80-8.46	120529	ok	119195	71517-166873
1,4-Difluorobenzene	9.85	ok	9.84	9.51-10.17	654676	ok	628389	377033-879745
Chlorobenzene-D5	14.11	ok	14.10	13.77-14.43	395849	ok	318851	191311-446391

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.65	8.13	0.695	ok	0.696	0.636-0.756
Acrolein	5.55	8.13	0.683	ok	0.683	0.623-0.743
Acrylonitrile	6.01	8.13	0.739	ok	0.738	0.678-0.798
Acetonitrile	5.46	8.13	0.672	ok	0.671	0.611-0.731
1,3-Butadiene	4.87	8.13	0.599	ok	0.599	0.539-0.659
Benzene	9.55	9.85	0.970	ok	0.969	0.909-1.029
Bromobenzene	16.02	14.11	1.135	ok	1.135	1.075-1.195
Bromodichloromethane	10.49	9.85	1.065	ok	1.065	1.005-1.125
Bromoform	14.84	14.11	1.052	ok	1.052	0.992-1.112
Bromomethane	5.08	8.13	0.625	ok	0.625	0.565-0.685
Bromoethene	5.47	8.13	0.673	ok	0.673	0.613-0.733
n-Butane	4.91	8.13	0.604	ok	0.604	0.544-0.664
Benzyl Chloride	17.39	14.11	1.232	ok	1.232	1.172-1.292
n-Butylbenzene	18.21	14.11	1.291	ok	1.291	1.231-1.351
sec-Butylbenzene	17.53	14.11	1.242	ok	1.243	1.183-1.303
tert-Butylbenzene	17.22	14.11	1.220	ok	1.221	1.161-1.281
Carbon disulfide	6.63	8.13	0.815	ok	0.816	0.756-0.876
Chlorobenzene	14.16	14.11	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.39	8.13	0.540	ok	0.540	0.480-0.600
Chloroethane	5.20	8.13	0.640	ok	0.640	0.580-0.700
Chlorotrifluoroethene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Chloroform	8.25	8.13	1.015	ok	1.013	0.953-1.073
Chloromethane	4.61	8.13	0.567	ok	0.566	0.506-0.626
3-Chloropropene	6.46	8.13	0.795	ok	0.794	0.734-0.854
2-Chlorotoluene	16.46	14.11	1.167	ok	1.167	1.107-1.227
Carbon tetrachloride	9.68	8.13	1.191	ok	1.190	1.130-1.250
Cyclohexane	9.80	9.85	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.29	8.13	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	6.27	8.13	0.771	ok	0.771	0.711-0.831
1,2-Dibromoethane (EDB)	12.99	14.11	0.921	ok	0.920	0.860-0.980
1,2-Dichloroethane	8.90	8.13	1.095	ok	1.094	1.034-1.154
1,2-Dichloropropane	10.30	9.85	1.046	ok	1.046	0.986-1.106
1,3-Dichloropropane	12.33	9.85	1.252	ok	1.252	1.192-1.312
1,4-Dioxane	10.51	9.85	1.067	ok	1.070	1.010-1.130
Dichlorodifluoromethane	4.48	8.13	0.551	ok	0.551	0.491-0.611
Dichlorofluoromethane	5.26	8.13	0.647	ok	0.647	0.587-0.707
Dibromochloromethane	12.74	14.11	0.903	ok	0.903	0.843-0.963
Dibromomethane	10.28	9.85	1.044	ok	1.044	0.984-1.104
trans-1,2-Dichloroethylene	7.11	8.13	0.875	ok	0.875	0.815-0.935

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.99	8.13	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	11.34	9.85	1.151	ok	1.151	1.091-1.211
m-Dichlorobenzene	17.41	14.11	1.234	ok	1.234	1.174-1.294
o-Dichlorobenzene	17.88	14.11	1.267	ok	1.267	1.207-1.327
p-Dichlorobenzene	17.48	14.11	1.239	ok	1.239	1.179-1.299
trans-1,3-Dichloropropene	11.85	9.85	1.203	ok	1.203	1.143-1.263
Di-Isopropyl ether	8.13	8.13	1.000	ok	1.000	0.940-1.060
2,3-Dimethylpentane	10.00	9.85	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.93	8.13	1.098	ok	1.098	1.038-1.158
Ethanol	5.29	8.13	0.651	ok	0.650	0.590-0.710
Ethylbenzene	14.55	14.11	1.031	ok	1.031	0.971-1.091
Ethyl Acetate	8.15	8.13	1.002	ok	1.002	0.942-1.062
Ethyl Acrylate	10.27	9.85	1.043	ok	1.043	0.983-1.103
4-Ethyltoluene	16.66	14.11	1.181	ok	1.181	1.121-1.241
Freon 113	6.56	8.13	0.807	ok	0.806	0.746-0.866
Freon 114	4.67	8.13	0.574	ok	0.575	0.515-0.635
Freon 123	5.56	8.13	0.684	ok	0.684	0.624-0.744
Freon 123A	5.60	8.13	0.689	ok	0.689	0.629-0.749
Freon 142B	4.58	8.13	0.563	ok	0.564	0.504-0.624
Freon 152A	4.36	8.13	0.536	ok	0.536	0.476-0.596
Heptane	10.78	9.85	1.094	ok	1.094	1.034-1.154
Hexachlorobutadiene	20.39	14.11	1.445	ok	1.445	1.385-1.505
Hexachloroethane	18.65	14.11	1.322	ok	1.322	1.262-1.382
Hexane	8.15	8.13	1.002	ok	1.002	0.942-1.062
2-Hexanone	12.55	14.11	0.889	ok	0.890	0.830-0.950
Iodomethane	6.23	8.13	0.766	ok	0.766	0.706-0.826
Isopropylbenzene	15.91	14.11	1.128	ok	1.128	1.068-1.188
Isopropyl Alcohol	5.83	8.13	0.717	ok	0.717	0.657-0.777
p-Isopropyltoluene	17.72	14.11	1.256	ok	1.256	1.196-1.316
Methylene chloride	6.36	8.13	0.782	ok	0.782	0.722-0.842
Methyl ethyl ketone	7.61	8.13	0.936	ok	0.936	0.876-0.996
Methyl Isobutyl Ketone	11.36	9.85	1.153	ok	1.154	1.094-1.214
Methyl Tert Butyl Ether	7.31	8.13	0.899	ok	0.900	0.840-0.960
Methylmethacrylate	10.68	9.85	1.084	ok	1.085	1.025-1.145
Naphthalene	19.99	14.11	1.417	ok	1.417	1.357-1.477
Nonane	15.48	14.11	1.097	ok	1.097	1.037-1.157
Octane	13.28	14.11	0.941	ok	0.941	0.881-1.001
Pentane	6.04	8.13	0.743	ok	0.743	0.683-0.803
n-Propylbenzene	16.49	14.11	1.169	ok	1.169	1.109-1.229

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W2981-IC2981	3W75772.D	04/23/22 02:17	TCH	0.04	GCMS3W	TO-15	
V3W2981-IC2981	3W75773.D	04/23/22 03:04	TCH	0.1	GCMS3W	TO-15	
V3W2981-IC2981	3W75774.D	04/23/22 03:51	TCH	0.2	GCMS3W	TO-15	
V3W2981-IC2981	3W75775.D	04/23/22 04:39	TCH	0.5	GCMS3W	TO-15	
V3W2981-IC2981	3W75776.D	04/23/22 05:26	TCH	5	GCMS3W	TO-15	
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	TCH	10	GCMS3W	TO-15	
V3W2981-IC2981	3W75778.D	04/23/22 07:00	TCH	20	GCMS3W	TO-15	
V3W2981-IC2981	3W75779.D	04/23/22 07:52	TCH	40	GCMS3W	TO-15	
V3W2981-IC2981	3W75780.D	04/23/22 08:46	TCH	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.42	8.13	0.544	ok	0.544	0.484-0.604
Styrene	15.13	14.11	1.072	ok	1.072	1.012-1.132
1,1,1-Trichloroethane	9.13	8.13	1.123	ok	1.122	1.062-1.182
1,1,1,2-Tetrachloroethane	14.14	14.11	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	15.25	14.11	1.081	ok	1.081	1.021-1.141
1,1,2-Trichloroethane	12.03	9.85	1.221	ok	1.221	1.161-1.281
1,2,4-Trichlorobenzene	19.86	14.11	1.408	ok	1.408	1.348-1.468
1,2,3-Trichloropropane	15.39	14.11	1.091	ok	1.091	1.031-1.151
1,2,3-Trimethylbenzene	17.72	14.11	1.256	ok	1.256	1.196-1.316
1,2,4-Trimethylbenzene	17.23	14.11	1.221	ok	1.221	1.161-1.281
1,3,5-Trimethylbenzene	16.75	14.11	1.187	ok	1.187	1.127-1.247
2,2,4-Trimethylpentane	10.54	9.85	1.070	ok	1.070	1.010-1.130
Tertiary Butyl Alcohol	6.30	8.13	0.775	ok	0.774	0.714-0.834
Tetrachloroethylene	13.45	14.11	0.953	ok	0.954	0.894-1.014
Tetrahydrofuran	8.60	8.13	1.058	ok	1.060	1.000-1.120
Toluene	12.31	9.85	1.250	ok	1.250	1.190-1.310
Trichloroethylene	10.52	9.85	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.78	8.13	0.711	ok	0.711	0.651-0.771
Vinyl chloride	4.77	8.13	0.587	ok	0.586	0.526-0.646
Vinyl Acetate	7.38	8.13	0.908	ok	0.907	0.847-0.967
m,p-Xylene	14.75	14.11	1.045	ok	1.045	0.985-1.105
o-Xylene	15.25	14.11	1.081	ok	1.081	1.021-1.141

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	8.13	ok	8.13	7.80-8.46	123622	ok	119195	71517-166873
1,4-Difluorobenzene	9.85	ok	9.84	9.51-10.17	681829	ok	628389	377033-879745
Chlorobenzene-D5	14.11	ok	14.10	13.77-14.43	429047	ok	318851	191311-446391

Surrogate Recovery Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

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

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD42150-1	3W75849.D	108
JD42150-2	3W75850.D	111
JD42150-3	3W75851.D	108
JD42150-4	3W75852.D	109
JD42150-5	3W75853.D	109
JD42150-6	3W75854.D	113
JD42150-8	3W75855.D	112
JD42150-9	3W75856.D	110
JD42150-10	3W75857.D	112
JD42150-11	3W75858.D	112
JD42150-12	3W75859.D	114
JD42150-13	3W75860.D	116
JD42150-14	3W75918.D	109
JD42150-14	3W75861.D	114
JD41997-3DUP	3W75845.D	115
JD42255-26DUP	3W75902.D	107
V2W2600-SCC	2W58371.D	95
V2W2601-SCC	2W58401.D	97
V2W2601-SCC	2W58403.D	97
V2W2602-SCC	2W58428.D	98
V2W2603-SCC	2W58478.D	96
V3W2984-BS	3W75840.D	110
V3W2984-BSD	3W75841.D	109
V3W2984-MB	3W75843.D	104
V3W2986-BS	3W75897.D	112
V3W2986-BSD	3W75898.D	111
V3W2986-MB	3W75900.D	124
V2W2600-BS	2W58366.D	109
V2W2600-BSD	2W58367.D	109
V2W2600-MB	2W58369.D	98
V2W2601-BS	2W58393.D	110
V2W2601-BSD	2W58394.D	110
V2W2601-MB	2W58397.D	95
V2W2602-BS	2W58424.D	112
V2W2602-BSD	2W58425.D	113
V2W2602-MB	2W58427.D	98
V2W2603-BS	2W58455.D	112
V2W2603-BSD	2W58456.D	111
V2W2603-MB	2W58458.D	99

Surrogate Recovery Summary

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

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

Samples and QC shown here apply to the above method

Surrogate Compounds	**Recovery Limits**

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

Initial Calibration Summary

Job Number: JD42150 **Sample:** V2W2599-ICC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58354.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Response Factor Report MS2W

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Calibration Files
0.5 =2w58349.D 0.2 =2w58350.D 0.04=2w58352.D 5 =2w58353.D
10 =2w58354.D 20 =2w58355.D 0.1 =2w58351.D =

Compound	0.5	0.2	0.04	5	10	20	0.1	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD								
2) FREON 115								0.000	-1.00
3) FREON 152A	0.271	0.287	0.318	0.273	0.269	0.247	0.260	0.275	8.18
4) CHLORODIFLUO	0.149	0.134		0.150	0.154	0.141	0.130	0.143	6.68
5) CHLOROTRIFLU	0.948	1.018	1.286	1.026	1.045	0.980	1.122	1.061	10.69
6) DICHLORODIFL	4.405	4.491	4.628	4.485	4.430	3.956	4.625	4.431	5.12
7) PROPYLENE	0.331	0.292		0.245	0.247	0.244		0.272	14.33
8) 1-CHLORO-1,1	3.670	3.642	3.559	3.647	3.479	3.082	3.651	3.533	5.94
9) FREON 114	4.644	4.705	4.991	4.781	4.685	4.231	4.782	4.688	4.93
10) CHLOROMETHAN	0.391	0.477		0.350	0.332	0.289		0.368	19.32
11) VINYL CHLORI	1.325	1.266	1.499	1.361	1.287	1.115	1.431	1.326	9.34
12) 1,3-BUTADIEN	0.894	0.940	1.058	0.890	0.881	0.760	1.032	0.922	10.89
13) N-BUTANE	1.477	1.532	1.933	1.445	1.396	1.275	1.603	1.523	13.67
14) BROMOMETHANE	1.440	1.515	1.734	1.507	1.452	1.268	1.732	1.521	10.92
15) CHLOROETHANE	0.622	0.731	0.754	0.653	0.621	0.546	0.764	0.670	12.17
16) DICHLOROFLUO	2.768	2.940	3.156	2.853	2.834	2.503	2.959	2.859	7.01
17) ACETONITRILE	0.884	0.942		0.665	0.662	0.612		0.753	19.80
18) ACROLEIN	0.531	0.653		0.504	0.481	0.444	0.588	0.534	14.26
19) FREON 123	3.325	3.451	3.558	3.487	3.401	3.193	3.420	3.405	3.47
20) FREON 123A	2.025	2.206	2.257	2.217	2.172	2.059	2.185	2.160	3.96
21) TRICHLOROFLU	5.252	5.431	5.475	5.576	5.443	4.878	5.150	5.315	4.52
22) ISOPROPYL AL	3.246	3.422		2.929	2.624	2.195		2.883	17.03
23) ACETONE	0.739	0.824		0.603	0.575	0.543		0.657	18.21
24) PENTANE	2.045	2.060	3.062	2.052	1.923	1.643	2.409	2.171	20.88
25) IODOMETHANE	0.945	0.942	1.018	0.986	0.951	0.835	1.016	0.956 E1	6.52
26) 1,1-DICHLORO	3.507	3.519	4.364	3.578	3.396	2.927	3.698	3.570	11.98
27) CARBON DISUL	1.030	1.023	1.149	1.094	1.043	0.917	1.070	1.047 E1	6.86
28) ETHANOL	0.530	0.691		0.346	0.337	0.307		0.442	37.19
29) BROMOETHENE	1.475	1.652	1.751	1.480	1.449	1.300	1.535	1.520	9.60
30) ACRYLONITRIL	1.551	1.697	1.963	1.463	1.382	1.186	1.801	1.578	16.72
31) METHYLENE CH	3.785	4.831		3.354	3.063	2.604		3.527	24.00
32) 3-CHLOROPROP	1.673	1.570	2.341	1.704	1.582	1.362	1.652	1.698	17.97
33) FREON 113	6.935	6.694	7.778	7.059	6.803	6.072	6.604	6.849	7.55
34) TRANS-1,2-DI	3.317	3.303	2.707	2.667	3.112	2.256	3.889	3.036	17.72
35) TERTIARY BUT	5.397	5.615	5.478	5.741	5.060	3.980	6.077	5.336	12.64
36) METHYL TERTI	2.840	3.049	2.986	2.988	3.081	3.189	2.766	2.986	4.81
37) TETRAHYDROFU	0.530	0.578	0.386	0.591	0.636	0.652	0.506	0.554	16.38
38) HEXANE	1.534	1.623	1.797	1.801	2.069	2.108	1.708	1.806	11.91
39) VINYL ACETAT	0.276	0.280	0.218	0.318	0.345	0.370	0.299	0.301	16.60
40) 1,1-DICHLORO	1.695	1.718	1.699	1.754	1.773	1.754	1.785	1.740	2.06
41) METHYL ETHYL	0.618	0.611	0.744	0.597	0.605	0.633	0.661	0.638	8.03
42) CIS-1,2-DICH	1.390	1.377	1.618	1.452	1.471	1.491	1.554	1.479	5.81
43) DIISOPROPYL	0.484	0.509		0.538	0.628	0.637	0.592	0.564	11.30
44) ETHYL ACETAT	0.332	0.383		0.387	0.459	0.472	0.339	0.395	14.88
45) METHYL ACRYL	1.831	1.864	1.799	2.082	2.383	2.456	2.068	2.069	12.79
46) CHLOROFORM	2.769	2.907	3.107	3.057	3.286	3.308	2.861	3.042	6.85

Initial Calibration Summary

Job Number: JD42150 **Sample:** V2W2599-ICC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58354.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

47)	2,4-DIMETHYL	1.741	1.886	2.077	1.965	2.055	2.134	1.956	1.974	6.70
48)	1,1,1-TRICHL	2.556	2.523	3.195	2.799	2.886	3.039	2.770	2.824	8.59
49)	CARBON TETRA	2.697	2.658	2.406	2.859	2.992	3.157	2.672	2.777	8.90
50)	1,2-DICHLORO	1.606	1.695	1.760	1.722	1.737	1.717	1.558	1.685	4.40
51)	BENZENE	3.669	3.850	4.784	4.005	4.096	4.244	3.881	4.076	8.90
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------								
53)	CYCLOHEXANE	0.345	0.332	0.371	0.348	0.351	0.362	0.353	0.352	3.56
54)	2,3-DIMETHYL	0.146	0.159	0.164	0.168	0.173	0.175	0.165	0.164	5.85
55)	TRICHLOROETH	0.339	0.363	0.381	0.374	0.401	0.424	0.361	0.378	7.37
56)	1,2-DICHLORO	0.239	0.244	0.224	0.256	0.258	0.276	0.267	0.252	6.98
57)	DIBROMOMETHA	0.355	0.353	0.462	0.371	0.373	0.395	0.430	0.391	10.52
58)	ETHYL ACRYLA	0.403	0.427	0.423	0.480	0.504	0.538	0.432	0.458	10.87
59)	BROMODICHLOR	0.527	0.567	0.522	0.611	0.647	0.665	0.553	0.584	9.77
60)	2,2,4-TRIMET	0.933	0.962	1.131	1.057	1.134	1.161	1.026	1.058	8.44
61)	1,4-DIOXANE	0.218	0.247	0.198	0.187	0.205	0.211	0.239	0.215	10.04
62)	HEPTANE	0.272	0.282	0.345	0.311	0.344	0.346	0.282	0.312	10.65
63)	METHYL METHA	0.245	0.258	0.258	0.284	0.308	0.320	0.229	0.272	12.30
64)	METHYL ISOBU	0.183	0.202	0.182	0.203	0.225	0.227	0.180	0.200	9.84
65)	CIS-1,3-DICH	0.360	0.383	0.409	0.414	0.441	0.467	0.350	0.404	10.49
66)	TOLUENE	0.944	0.921	0.917	1.026	1.110	1.114	0.955	0.998	8.56
67)	1,3-DICHLORO	0.434	0.435	0.422	0.480	0.514	0.514	0.445	0.463	8.39
68)	TRANS-1,3-DI	0.290	0.287	0.338	0.359	0.390	0.410	0.306	0.340	14.30
69)	1,1,2-TRICHL	0.282	0.273	0.309	0.298	0.308	0.312	0.298	0.297	4.95
70)	2-HEXANONE	0.251	0.262	0.289	0.264	0.306	0.307	0.243	0.275	9.51
71)	ETHYL METHAC	0.398	0.371	0.422	0.454	0.537	0.538	0.391	0.444	15.40
72)	TETRACHLOROE	0.403	0.411	0.413	0.424	0.456	0.461	0.405	0.425	5.68
73)	DIBROMOCHLOR	0.577	0.602	0.540	0.651	0.722	0.756	0.578	0.632	12.79
74)	1,2-DIBROMOE	0.506	0.500	0.412	0.566	0.658	0.660	0.518	0.546	16.46
75)	OCTANE	0.380	0.381	0.467	0.431	0.484	0.469	0.426	0.434	9.69
76)	I CHLOROBENZENE-D5	----------ISTD----------								
77)	1,1,1,2-TETR	0.443	0.447	0.427	0.489	0.528	0.549	0.481	0.481	9.51
78)	CHLOROBENZEN	0.889	0.908	1.012	0.956	1.005	1.032	0.937	0.963	5.72
79)	ETHYLBENZENE	1.360	1.307	1.424	1.460	1.535	1.564	1.449	1.442	6.27
80)	M,P-XYLENE	1.034	1.027	1.093	1.162	1.262	1.270	0.994	1.120	10.12
81)	O-XYLENE	1.073	1.043	1.070	1.214	1.309	1.314	1.006	1.147	11.29
82)	STYRENE	0.815	0.796	0.791	0.925	1.009	1.039	0.768	0.878	12.81
83)	NONANE	0.495	0.520	0.566	0.540	0.555	0.538	0.532	0.535	4.38
84)	BROMOFORM	0.617	0.607	0.613	0.668	0.739	0.797	0.572	0.659	12.35
85)	1,1,2,2-TETR	0.787	0.796	0.815	0.887	0.966	0.967	0.816	0.862	9.09
86)	1,2,3-TRICHL	0.545	0.561	0.562	0.611	0.662	0.656	0.566	0.595	8.13
87)	4-BROMOFLUOR	0.601	0.588	0.588	0.657	0.696	0.686	0.588	0.629	7.77
88)	ISOPROPYLBEN	0.455	0.458	0.419	0.528	0.564	0.566	0.434	0.489	12.71
89)	BROMOBENZENE	0.694	0.699	0.692	0.784	0.833	0.814	0.683	0.743	8.74
90)	2-CHLOROTOLU	0.420	0.402	0.378	0.460	0.492	0.493	0.395	0.434	10.85
91)	N-PROPYLBENZ	0.426	0.442		0.536	0.570	0.574	0.439	0.498	13.98
92)	4-ETHYLTOLUE	1.507	1.435	1.583	1.915	2.066	2.081	1.421	1.715	17.21
93)	1,3,5-TRIMET	1.229	1.167	1.235	1.609	1.746	1.766	1.147	1.414	19.81
94)	ALPHA-METHYL	0.630	0.568	0.599	0.872	0.963	0.986	0.641	0.751	24.18
95)	TERT-BUTYLBE	0.315	0.323	0.389	0.439	0.488	0.521	0.333	0.401	20.82
96)	1,2,4-TRIMET	1.242	1.263	1.266	1.792	1.997	2.074	1.149	1.541	25.84
97)	BENZYL CHLOR	0.418	0.401	0.414	0.771		0.380		0.477	34.64
98)	M-DICHLOROBE	0.890	0.844	0.810	1.186	1.316	1.398	0.833	1.040	24.27
99)	P-DICHLOROBE	0.853	0.852	0.835	1.169	1.348	1.412	0.852	1.046	24.61
100)	O-DICHLOROBE	0.845	0.878	0.807	1.197	1.339	1.433	0.855	1.051	25.18
101)	SEC-BUTYLBEN	0.416	0.402	0.410	0.566	0.633	0.657	0.388	0.496	23.85
102)	1,2,3-TRIMET	1.208	1.144	1.166	1.753	1.893	1.908	1.130	1.458	25.55
103)	P-ISOPROPYLT	0.436	0.420		0.672	0.734	0.772	0.417	0.575	29.29
104)	N-BUTYLBENZE	0.410	0.388		0.602	0.655	0.687	0.343	0.514	29.30

Initial Calibration Summary

Job Number: JD42150 **Sample:** V2W2599-ICC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58354.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

105)	HEXACHLOROET	0.497	0.457		0.750	0.824	0.878	0.681	28.26
106)	HEXACHLOROBU	0.738	0.704	0.730	0.862	0.974	1.130	0.649	0.827	20.90
107)	1,2,4-TRICHL	0.684	0.648		0.903	0.987	1.047	0.510	0.796	26.75
108)	NAPHTHALENE	1.557	1.397		2.065	2.229	2.252		1.900	20.88

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

M2W2599.M Mon Mar 21 08:58:58 2022 GCMS2W

Initial Calibration Verification

Job Number: JD42150 **Sample:** V2W2599-ICV2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58363.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
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	0.275	0.269	2.2	106	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.143	0.0	99	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	0.978	7.8	99	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.005	9.6	96	0.00
7	T	PROPYLENE	0.272	0.242	11.0	104	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.432	2.9	105	0.00
9	T	FREON 114	4.688	4.583	2.2	104	0.00
10	T	CHLOROMETHANE	0.368	0.325	11.7	104	0.00
11	T	VINYL CHLORIDE	1.326	1.304	1.7	108	0.00
12	t	1,3-BUTADIENE	0.922	0.885	4.0	107	0.00
13	T	N-BUTANE	1.523	1.411	7.4	107	0.00
14	T	BROMOMETHANE	1.521	1.435	5.7	105	0.00
15	T	CHLOROETHANE	0.670	0.652	2.7	112	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	2.801	2.0	105	0.00
17	T	ACETONITRILE	0.753	0.671	10.9	108	0.00
18	T	ACROLEIN	0.534	0.496	7.1	109	0.00
19	T	FREON 123	3.405	3.572	-4.9	111	0.00
20	T	FREON 123A	2.160	2.402	-11.2	117	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.516	-3.8	108	0.00
22	T	ISOPROPYL ALCOHOL	2.883	2.823	2.1	114	0.00
23	T	ACETONE	0.657	0.633	3.7	117	0.00
24	T	PENTANE	2.171	1.994	8.2	110	0.00
25	T	IODOMETHANE	9.562	9.155	4.3	102	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.329	6.8	104	0.00
27	T	CARBON DISULFIDE	10.468	9.812	6.3	100	0.00
28	T	ETHANOL	0.442	0.384	13.1	121	0.00
29	T	BROMOETHENE	1.520	1.439	5.3	105	0.00
30	T	ACRYLONITRILE	1.578	1.403	11.1	108	0.00
31	T	METHYLENE CHLORIDE	3.527	2.976	15.6	103	0.00
32	T	3-CHLOROPROPENE	1.698	1.614	4.9	108	0.00
33	T	FREON 113	6.849	6.309	7.9	98	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	2.943	3.1	100	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	5.263	1.4	110	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.114	-4.3	107	0.00
37	T	TETRAHYDROFURAN	0.554	0.623	-12.5	104	0.00
38	T	HEXANE	1.806	2.118	-17.3	109	0.00

Initial Calibration Verification

Job Number: JD42150 **Sample:** V2W2599-ICV2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58363.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39	T	VINYL ACETATE	0.301	0.325	-8.0	100	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.809	-4.0	108	0.00
41	T	METHYL ETHYL KETONE	0.638	0.625	2.0	110	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.438	2.8	104	0.00
43	T	DIISOPROPYL ETHER	0.564	0.637	-12.9	108	0.00
44	T	ETHYL ACETATE	0.395	0.455	-15.2	105	0.00
45	T	METHYL ACRYLATE	2.069	2.423	-17.1	108	0.00
46	T	CHLOROFORM	3.042	3.166	-4.1	102	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.105	-6.6	109	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.832	-0.3	104	0.00
49	T	CARBON TETRACHLORIDE	2.777	2.963	-6.7	105	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.740	-3.3	106	0.00
51	t	BENZENE	4.076	4.093	-0.4	106	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	107	0.00
53	T	CYCLOHEXANE	0.352	0.352	0.0	107	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.172	-4.9	106	0.00
55	T	TRICHLOROETHENE	0.378	0.392	-3.7	104	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.267	-6.0	110	0.00
57	T	DIBROMOMETHANE	0.391	0.347	11.3	99	0.00
58	T	ETHYL ACRYLATE	0.458	0.523	-14.2	111	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.633	-8.4	104	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.145	-8.2	108	0.00
61	T	1,4-DIOXANE	0.215	0.191	11.2	100	0.00
62	T	HEPTANE	0.312	0.345	-10.6	107	0.00
63	T	METHYL METHACRYLATE	0.272	0.307	-12.9	106	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.228	-14.0	108	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.485	-20.0	117	0.00
66	T	TOLUENE	0.998	1.072	-7.4	103	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.505	-9.1	105	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.405	-19.1	111	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.301	-1.3	104	0.00
70	T	2-HEXANONE	0.275	0.316	-14.9	110	0.00
71	T	ETHYL METHACRYLATE	0.444	0.531	-19.6	105	0.00
72	T	TETRACHLOROETHENE	0.425	0.433	-1.9	101	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.705	-11.6	104	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.641	-17.4	104	0.00
75	T	OCTANE	0.434	0.495	-14.1	109	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	106	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.521	-8.3	104	0.00
78	T	CHLOROBENZENE	0.963	0.986	-2.4	104	0.00
79	t	ETHYLBENZENE	1.442	1.537	-6.6	106	0.00
80	t	M,P-XYLENE	1.120	1.268	-13.2	106	0.00
81	t	O-XYLENE	1.147	1.308	-14.0	106	0.00
82	T	STYRENE	0.878	1.002	-14.1	105	0.00
83	T	NONANE	0.535	0.576	-7.7	110	0.00
84	T	BROMOFORM	0.659	0.749	-13.7	107	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	0.968	-12.3	106	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.659	-10.8	105	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.701	-11.4	107	0.00
88	T	ISOPROPYLBENZENE	0.489	0.548	-12.1	103	0.00
89	T	BROMOBENZENE	0.743	0.824	-10.9	105	0.00
90	T	2-CHLOROTOLUENE	0.434	0.468	-7.8	101	0.00
91	T	N-PROPYLBENZENE	0.498	0.550	-10.4	102	0.00
92	T	4-ETHYLTOLUENE	1.715	2.045	-19.2	105	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.750	-23.8	106	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.918	-22.2	101	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.474	-18.2	103	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	1.986	-28.9	105	0.00

Initial Calibration Verification

Job Number: JD42150 **Sample:** V2W2599-ICV2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58363.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	T	BENZYL CHLORIDE	0.477	1.098	-130.2#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.286	-23.7	103	0.00
99	T	P-DICHLOROBENZENE	1.046	1.308	-25.0	103	0.00
100	T	O-DICHLOROBENZENE	1.051	1.314	-25.0	104	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.614	-23.8	103	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.887	-29.4	105	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.712	-23.8	103	0.00
104	T	N-BUTYLBENZENE	0.514	0.639	-24.3	103	0.00
105	T	HEXACHLOROETHANE	0.681	0.865	-27.0	111	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.905	-9.4	98	0.01
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.944	-18.6	101	0.01
108	T	NAPHTHALENE	1.900	2.014	-6.0	96	0.00

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

M2W2599.M Mon Mar 21 08:58:44 2022 GCMS2W

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2600-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58365.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58365.D
Acq On : 19 Mar 2022 1:06 pm
Operator : thomash
Sample : cc2599-10
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:42 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
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	104	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.259	5.8	100	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.141	1.4	95	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	0.956	9.9	95	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.148	6.4	97	0.00
7	T	PROPYLENE	0.272	0.234	14.0	98	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.384	4.2	101	0.00
9	T	FREON 114	4.688	4.461	4.8	99	0.00
10	T	CHLOROMETHANE	0.368	0.330	10.3	103	0.00
11	T	VINYL CHLORIDE	1.326	1.277	3.7	103	0.00
12	t	1,3-BUTADIENE	0.922	0.858	6.9	101	0.00
13	T	N-BUTANE	1.523	1.415	7.1	105	0.00
14	T	BROMOMETHANE	1.521	1.389	8.7	99	0.00
15	T	CHLOROETHANE	0.670	0.615	8.2	103	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	2.760	3.5	101	0.00
17	T	ACETONITRILE	0.753	0.685	9.0	107	0.00
18	T	ACROLEIN	0.534	0.494	7.5	106	0.00
19	T	FREON 123	3.405	3.382	0.7	103	0.00
20	T	FREON 123A	2.160	2.137	1.1	102	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.375	-1.1	102	0.00
22	T	ISOPROPYL ALCOHOL	2.883	2.783	3.5	110	0.00
23	T	ACETONE	0.657	0.610	7.2	110	0.00
24	T	PENTANE	2.171	1.969	9.3	106	0.00
25	T	IODOMETHANE	9.562	9.038	5.5	99	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.293	7.8	101	0.00
27	T	CARBON DISULFIDE	10.468	10.345	1.2	103	0.00
28	T	ETHANOL	0.442	0.352	20.4	108	0.00
29	T	BROMOETHENE	1.520	1.396	8.2	100	0.00
30	T	ACRYLONITRILE	1.578	1.419	10.1	107	0.00
31	T	METHYLENE CHLORIDE	3.527	3.010	14.7	102	0.00
32	T	3-CHLOROPROPENE	1.698	1.566	7.8	103	0.00
33	T	FREON 113	6.849	6.428	6.1	98	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	3.181	-4.8	106	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	5.110	4.2	105	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.052	-2.2	103	0.00
37	T	TETRAHYDROFURAN	0.554	0.647	-16.8	106	0.00
38	T	HEXANE	1.806	2.086	-15.5	105	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2600-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58365.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39	T	VINYL ACETATE	0.301	0.331	-10.0	100	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.758	-1.0	103	0.00
41	T	METHYL ETHYL KETONE	0.638	0.599	6.1	103	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.416	4.3	100	0.00
43	T	DIISOPROPYL ETHER	0.564	0.632	-12.1	104	0.00
44	T	ETHYL ACETATE	0.395	0.457	-15.7	103	0.00
45	T	METHYL ACRYLATE	2.069	2.417	-16.8	105	0.00
46	T	CHLOROFORM	3.042	3.275	-7.7	103	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.123	-7.5	107	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.884	-2.1	104	0.00
49	T	CARBON TETRACHLORIDE	2.777	2.935	-5.7	102	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.732	-2.8	103	0.00
51	t	BENZENE	4.076	4.063	0.3	103	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	106	0.00
53	T	CYCLOHEXANE	0.352	0.343	2.6	103	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.168	-2.4	103	0.00
55	T	TRICHLOROETHENE	0.378	0.394	-4.2	104	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.265	-5.2	108	0.00
57	T	DIBROMOMETHANE	0.391	0.358	8.4	101	0.00
58	T	ETHYL ACRYLATE	0.458	0.519	-13.3	109	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.632	-8.2	103	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.134	-7.2	106	0.00
61	T	1,4-DIOXANE	0.215	0.203	5.6	105	0.00
62	T	HEPTANE	0.312	0.345	-10.6	106	0.00
63	T	METHYL METHACRYLATE	0.272	0.307	-12.9	105	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.228	-14.0	107	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.446	-10.4	107	0.00
66	T	TOLUENE	0.998	1.089	-9.1	104	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.511	-10.4	105	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.401	-17.9	108	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.304	-2.4	104	0.00
70	T	2-HEXANONE	0.275	0.311	-13.1	107	0.00
71	T	ETHYL METHACRYLATE	0.444	0.533	-20.0	105	0.00
72	T	TETRACHLOROETHENE	0.425	0.436	-2.6	101	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.710	-12.3	104	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.637	-16.7	102	0.00
75	T	OCTANE	0.434	0.487	-12.2	106	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	107	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.510	-6.0	104	0.00
78	T	CHLOROBENZENE	0.963	0.958	0.5	102	0.00
79	t	ETHYLBENZENE	1.442	1.488	-3.2	104	0.00
80	t	M,P-XYLENE	1.120	1.220	-8.9	104	0.00
81	t	O-XYLENE	1.147	1.259	-9.8	103	0.00
82	T	STYRENE	0.878	0.971	-10.6	103	0.00
83	T	NONANE	0.535	0.553	-3.4	107	0.00
84	T	BROMOFORM	0.659	0.708	-7.4	103	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	0.933	-8.2	104	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.639	-7.4	104	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.690	-9.7	106	0.00
88	T	ISOPROPYLBENZENE	0.489	0.532	-8.8	101	0.00
89	T	BROMOBENZENE	0.743	0.799	-7.5	103	0.00
90	T	2-CHLOROTOLUENE	0.434	0.464	-6.9	101	0.00
91	T	N-PROPYLBENZENE	0.498	0.541	-8.6	102	0.00
92	T	4-ETHYLTOLUENE	1.715	1.968	-14.8	102	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.683	-19.0	103	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.907	-20.8	101	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.466	-16.2	103	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	1.904	-23.6	102	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2600-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58365.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	T	BENZYL CHLORIDE	0.477	1.058	-121.8#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.240	-19.2	101	0.00
99	T	P-DICHLOROBENZENE	1.046	1.260	-20.5	100	0.00
100	T	O-DICHLOROBENZENE	1.051	1.260	-19.9	101	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.600	-21.0	102	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.821	-24.9	103	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.697	-21.2	102	0.00
104	T	N-BUTYLBENZENE	0.514	0.619	-20.4	101	0.00
105	T	HEXACHLOROETHANE	0.681	0.796	-16.9	104	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.891	-7.7	98	0.01
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.909	-14.2	99	0.01
108	T	NAPHTHALENE	1.900	2.046	-7.7	98	0.00

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

M2W2599.M Mon Mar 21 09:12:35 2022 GCMS2W

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2601-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58392.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
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	93	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.310	-12.7	108	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.162	-13.3	98	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	1.063	-0.2	95	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.676	-5.5	99	0.00
7	T	PROPYLENE	0.272	0.270	0.7	102	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.781	-7.0	101	0.00
9	T	FREON 114	4.688	5.007	-6.8	100	0.00
10	T	CHLOROMETHANE	0.368	0.379	-3.0	106	0.00
11	T	VINYL CHLORIDE	1.326	1.460	-10.1	106	0.00
12	t	1,3-BUTADIENE	0.922	0.991	-7.5	105	0.00
13	T	N-BUTANE	1.523	1.594	-4.7	107	0.00
14	T	BROMOMETHANE	1.521	1.522	-0.1	98	0.00
15	T	CHLOROETHANE	0.670	0.706	-5.4	106	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	3.132	-9.5	103	0.00
17	T	ACETONITRILE	0.753	0.771	-2.4	109	0.00
18	T	ACROLEIN	0.534	0.540	-1.1	105	0.00
19	T	FREON 123	3.405	3.671	-7.8	101	0.00
20	T	FREON 123A	2.160	2.209	-2.3	95	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.420	-2.0	93	0.00
22	T	ISOPROPYL ALCOHOL	2.883	3.118	-8.2	111	0.00
23	T	ACETONE	0.657	0.667	-1.5	108	0.00
24	T	PENTANE	2.171	2.163	0.4	105	0.00
25	T	IODOMETHANE	9.562	9.191	3.9	90	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.468	2.9	95	0.00
27	T	CARBON DISULFIDE	10.468	11.320	-8.1	101	0.00
28	T	ETHANOL	0.442	0.404	8.6	112	0.00
29	T	BROMOETHENE	1.520	1.516	0.3	98	0.00
30	T	ACRYLONITRILE	1.578	1.572	0.4	106	0.00
31	T	METHYLENE CHLORIDE	3.527	3.243	8.1	99	0.00
32	T	3-CHLOROPROPENE	1.698	1.715	-1.0	101	0.00
33	T	FREON 113	6.849	6.563	4.2	90	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	3.220	-6.1	97	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	5.997	-12.4	111	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.178	-6.4	96	0.00
37	T	TETRAHYDROFURAN	0.554	0.665	-20.0	98	0.00
38	T	HEXANE	1.806	2.216	-22.7	100	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2601-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58392.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39	T	VINYL ACETATE	0.301	0.353	-17.3	96	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.871	-7.5	98	0.00
41	T	METHYL ETHYL KETONE	0.638	0.639	-0.2	99	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.439	2.7	91	0.00
43	T	DIISOPROPYL ETHER	0.564	0.658	-16.7	98	0.00
44	T	ETHYL ACETATE	0.395	0.485	-22.8	99	0.00
45	T	METHYL ACRYLATE	2.069	2.561	-23.8	100	0.00
46	T	CHLOROFORM	3.042	3.361	-10.5	95	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.200	-11.4	100	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.965	-5.0	96	0.00
49	T	CARBON TETRACHLORIDE	2.777	3.047	-9.7	95	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.796	-6.6	97	0.00
51	t	BENZENE	4.076	4.249	-4.2	97	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00
53	T	CYCLOHEXANE	0.352	0.347	1.4	96	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.172	-4.9	97	0.00
55	T	TRICHLOROETHENE	0.378	0.383	-1.3	93	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.273	-8.3	103	0.00
57	T	DIBROMOMETHANE	0.391	0.348	11.0	91	0.00
58	T	ETHYL ACRYLATE	0.458	0.534	-16.6	103	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.642	-9.9	97	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.154	-9.1	99	0.00
61	T	1,4-DIOXANE	0.215	0.203	5.6	97	0.00
62	T	HEPTANE	0.312	0.350	-12.2	99	0.00
63	T	METHYL METHACRYLATE	0.272	0.308	-13.2	97	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.227	-13.5	99	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.451	-11.6	100	0.00
66	T	TOLUENE	0.998	1.060	-6.2	93	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.504	-8.9	96	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.393	-15.6	98	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.301	-1.3	95	0.00
70	T	2-HEXANONE	0.275	0.314	-14.2	100	0.00
71	T	ETHYL METHACRYLATE	0.444	0.538	-21.2	98	0.00
72	T	TETRACHLOROETHENE	0.425	0.411	3.3	88	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.680	-7.6	92	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.621	-13.7	92	0.00
75	T	OCTANE	0.434	0.492	-13.4	99	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.507	-5.4	92	0.00
78	T	CHLOROBENZENE	0.963	0.969	-0.6	92	0.00
79	t	ETHYLBENZENE	1.442	1.511	-4.8	94	0.00
80	t	M,P-XYLENE	1.120	1.249	-11.5	94	0.00
81	t	O-XYLENE	1.147	1.309	-14.1	95	0.00
82	T	STYRENE	0.878	0.984	-12.1	93	0.00
83	T	NONANE	0.535	0.599	-12.0	103	0.00
84	T	BROMOFORM	0.659	0.698	-5.9	90	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	0.977	-13.3	96	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.668	-12.3	96	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.706	-12.2	97	0.00
88	T	ISOPROPYLBENZENE	0.489	0.536	-9.6	91	0.00
89	T	BROMOBENZENE	0.743	0.835	-12.4	96	0.00
90	T	2-CHLOROTOLUENE	0.434	0.460	-6.0	89	0.00
91	T	N-PROPYLBENZENE	0.498	0.541	-8.6	91	0.00
92	T	4-ETHYLTOLUENE	1.715	2.003	-16.8	93	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.693	-19.7	93	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.922	-22.8	91	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.466	-16.2	91	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	1.953	-26.7	93	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2601-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58392.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	T	BENZYL CHLORIDE	0.477	1.102	-131.0#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.251	-20.3	91	0.00
99	T	P-DICHLOROBENZENE	1.046	1.280	-22.4	91	0.00
100	T	O-DICHLOROBENZENE	1.051	1.290	-22.7	92	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.603	-21.6	91	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.882	-29.1	95	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.705	-22.6	92	0.00
104	T	N-BUTYLBENZENE	0.514	0.631	-22.8	92	0.00
105	T	HEXACHLOROETHANE	0.681	0.847	-24.4	98	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.900	-8.8	88	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.911	-14.4	88	0.00
108	T	NAPHTHALENE	1.900	2.120	-11.6	91	0.00

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

M2W2599.M Mon Mar 21 15:24:52 2022 GCMS2W

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2602-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58423.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58423.D
Acq On : 22 Mar 2022 8:46 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:12 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
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	79	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.315	-14.5	93	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.155	-8.4	80	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	1.049	1.1	80	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.699	-6.0	84	0.00
7	T	PROPYLENE	0.272	0.299	-9.9	96	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.917	-10.9	89	0.00
9	T	FREON 114	4.688	5.252	-12.0	89	0.00
10	T	CHLOROMETHANE	0.368	0.422	-14.7	101	0.00
11	T	VINYL CHLORIDE	1.326	1.575	-18.8	97	0.00
12	t	1,3-BUTADIENE	0.922	1.081	-17.2	97	0.00
13	T	N-BUTANE	1.523	1.718	-12.8	98	0.00
14	T	BROMOMETHANE	1.521	1.578	-3.7	86	0.00
15	T	CHLOROETHANE	0.670	0.744	-11.0	95	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	3.218	-12.6	90	0.00
17	T	ACETONITRILE	0.753	0.812	-7.8	97	0.00
18	T	ACROLEIN	0.534	0.570	-6.7	94	0.00
19	T	FREON 123	3.405	3.808	-11.8	89	0.00
20	T	FREON 123A	2.160	2.241	-3.7	82	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.615	-5.6	82	0.00
22	T	ISOPROPYL ALCOHOL	2.883	3.432	-19.0	104	0.00
23	T	ACETONE	0.657	0.734	-11.7	101	0.00
24	T	PENTANE	2.171	2.503	-15.3	103	0.00
25	T	IODOMETHANE	9.562	9.243	3.3	77	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.778	-5.8	88	0.00
27	T	CARBON DISULFIDE	10.468	12.632	-20.7	96	0.00
28	T	ETHANOL	0.442	0.415	6.1	98	0.00
29	T	BROMOETHENE	1.520	1.503	1.1	82	0.00
30	T	ACRYLONITRILE	1.578	1.755	-11.2	101	0.00
31	T	METHYLENE CHLORIDE	3.527	3.555	-0.8	92	0.00
32	T	3-CHLOROPROPENE	1.698	1.864	-9.8	93	0.00
33	T	FREON 113	6.849	6.651	2.9	78	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	3.220	-6.1	82	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	6.264	-17.4	98	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.107	-4.1	80	0.00
37	T	TETRAHYDROFURAN	0.554	0.696	-25.6	87	0.00
38	T	HEXANE	1.806	2.226	-23.3	85	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2602-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58423.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39	T	VINYL ACETATE	0.301	0.338	-12.3	78	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.912	-9.9	86	0.00
41	T	METHYL ETHYL KETONE	0.638	0.655	-2.7	86	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.465	0.9	79	0.00
43	T	DIISOPROPYL ETHER	0.564	0.663	-17.6	84	0.00
44	T	ETHYL ACETATE	0.395	0.489	-23.8	85	0.00
45	T	METHYL ACRYLATE	2.069	2.597	-25.5	86	0.00
46	T	CHLOROFORM	3.042	3.295	-8.3	80	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.327	-17.9	90	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.814	0.4	77	0.00
49	T	CARBON TETRACHLORIDE	2.777	2.903	-4.5	77	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.820	-8.0	83	0.00
51	t	BENZENE	4.076	4.302	-5.5	83	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	83	0.00
53	T	CYCLOHEXANE	0.352	0.356	-1.1	84	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.179	-9.1	86	0.00
55	T	TRICHLOROETHENE	0.378	0.382	-1.1	79	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.280	-11.1	90	0.00
57	T	DIBROMOMETHANE	0.391	0.327	16.4	73	0.00
58	T	ETHYL ACRYLATE	0.458	0.544	-18.8	90	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.637	-9.1	82	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.187	-12.2	87	0.00
61	T	1,4-DIOXANE	0.215	0.198	7.9	81	0.00
62	T	HEPTANE	0.312	0.360	-15.4	87	0.00
63	T	METHYL METHACRYLATE	0.272	0.315	-15.8	85	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.235	-17.5	87	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.449	-11.1	85	0.00
66	T	TOLUENE	0.998	1.054	-5.6	79	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.516	-11.4	84	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.385	-13.2	82	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.306	-3.0	83	0.00
70	T	2-HEXANONE	0.275	0.317	-15.3	86	0.00
71	T	ETHYL METHACRYLATE	0.444	0.541	-21.8	84	0.00
72	T	TETRACHLOROETHENE	0.425	0.393	7.5	72	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.661	-4.6	76	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.595	-9.0	75	0.00
75	T	OCTANE	0.434	0.504	-16.1	87	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	80	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.488	-1.5	74	0.00
78	T	CHLOROBENZENE	0.963	0.963	0.0	77	0.00
79	t	ETHYLBENZENE	1.442	1.529	-6.0	80	0.00
80	t	M,P-XYLENE	1.120	1.277	-14.0	81	0.00
81	t	O-XYLENE	1.147	1.355	-18.1	83	0.00
82	T	STYRENE	0.878	0.996	-13.4	79	0.00
83	T	NONANE	0.535	0.656	-22.6	95	0.00
84	T	BROMOFORM	0.659	0.677	-2.7	73	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	1.039	-20.5	86	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.693	-16.5	84	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.703	-11.8	81	0.00
88	T	ISOPROPYLBENZENE	0.489	0.558	-14.1	79	0.00
89	T	BROMOBENZENE	0.743	0.873	-17.5	84	0.00
90	T	2-CHLOROTOLUENE	0.434	0.472	-8.8	77	0.00
91	T	N-PROPYLBENZENE	0.498	0.563	-13.1	79	0.00
92	T	4-ETHYLTOLUENE	1.715	2.121	-23.7	82	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.814	-28.3	83	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.980	-30.5#	82	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.491	-22.4	81	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	2.128	-38.1#	85	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2602-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58423.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	T	BENZYL CHLORIDE	0.477	1.057	-121.6#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.297	-24.7	79	0.00
99	T	P-DICHLOROBENZENE	1.046	1.304	-24.7	77	0.00
100	T	O-DICHLOROBENZENE	1.051	1.348	-28.3	81	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.644	-29.8	81	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	2.006	-37.6#	85	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.751	-30.6#	82	0.00
104	T	N-BUTYLBENZENE	0.514	0.665	-29.4	81	0.00
105	T	HEXACHLOROETHANE	0.681	0.884	-29.8	86	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.881	-6.5	72	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.897	-12.7	73	0.00
108	T	NAPHTHALENE	1.900	2.080	-9.5	75	0.00

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

M2W2599.M Tue Mar 22 14:24:40 2022 GCMS2W

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2603-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58454.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58454.D
Acq On : 23 Mar 2022 8:57 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:30:59 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
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	79	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.357	-29.8	106	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.179	-25.2	92	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	1.100	-3.7	83	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.997	-12.8	89	0.00
7	T	PROPYLENE	0.272	0.331	-21.7	106	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	4.159	-17.7	95	0.00
9	T	FREON 114	4.688	5.569	-18.8	94	0.00
10	T	CHLOROMETHANE	0.368	0.458	-24.5	109	0.00
11	T	VINYL CHLORIDE	1.326	1.730	-30.5#	107	0.00
12	t	1,3-BUTADIENE	0.922	1.161	-25.9	105	0.00
13	T	N-BUTANE	1.523	1.923	-26.3	109	0.00
14	T	BROMOMETHANE	1.521	1.632	-7.3	89	0.00
15	T	CHLOROETHANE	0.670	0.801	-19.6	102	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	3.447	-20.6	96	0.00
17	T	ACETONITRILE	0.753	0.908	-20.6	109	0.00
18	T	ACROLEIN	0.534	0.625	-17.0	103	0.00
19	T	FREON 123	3.405	3.972	-16.7	93	0.00
20	T	FREON 123A	2.160	2.248	-4.1	82	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.552	-4.5	81	0.00
22	T	ISOPROPYL ALCOHOL	2.883	3.730	-29.4	113	0.00
23	T	ACETONE	0.657	0.786	-19.6	108	0.00
24	T	PENTANE	2.171	2.729	-25.7	113	0.00
25	T	IODOMETHANE	9.562	9.066	5.2	76	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.817	-6.9	89	0.00
27	T	CARBON DISULFIDE	10.468	13.305	-27.1	101	0.00
28	T	ETHANOL	0.442	0.477	-7.9	112	0.00
29	T	BROMOETHENE	1.520	1.566	-3.0	86	0.00
30	T	ACRYLONITRILE	1.578	1.867	-18.3	107	0.00
31	T	METHYLENE CHLORIDE	3.527	3.844	-9.0	100	0.00
32	T	3-CHLOROPROPENE	1.698	1.959	-15.4	98	0.00
33	T	FREON 113	6.849	6.541	4.5	76	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	3.591	-18.3	92	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	6.870	-28.7	108	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.237	-8.4	83	0.00
37	T	TETRAHYDROFURAN	0.554	0.724	-30.7#	90	0.00
38	T	HEXANE	1.806	2.462	-36.3#	94	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2603-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58454.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39	T	VINYL ACETATE	0.301	0.366	-21.6	84	0.00
40	T	1,1-DICHLOROETHANE	1.740	2.035	-17.0	91	0.00
41	T	METHYL ETHYL KETONE	0.638	0.694	-8.8	91	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.507	-1.9	81	0.00
43	T	DIISOPROPYL ETHER	0.564	0.711	-26.1	90	0.00
44	T	ETHYL ACETATE	0.395	0.519	-31.4#	90	0.00
45	T	METHYL ACRYLATE	2.069	2.852	-37.8#	95	0.00
46	T	CHLOROFORM	3.042	3.382	-11.2	82	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.469	-25.1	95	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.907	-2.9	80	0.00
49	T	CARBON TETRACHLORIDE	2.777	2.910	-4.8	77	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.917	-13.8	88	0.00
51	t	BENZENE	4.076	4.560	-11.9	88	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	84	0.00
53	T	CYCLOHEXANE	0.352	0.364	-3.4	87	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.185	-12.8	90	0.00
55	T	TRICHLOROETHENE	0.378	0.386	-2.1	81	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.296	-17.5	96	0.00
57	T	DIBROMOMETHANE	0.391	0.308	21.2	69	0.00
58	T	ETHYL ACRYLATE	0.458	0.588	-28.4	98	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.643	-10.1	83	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.259	-19.0	93	0.00
61	T	1,4-DIOXANE	0.215	0.208	3.3	85	0.00
62	T	HEPTANE	0.312	0.387	-24.0	94	0.00
63	T	METHYL METHACRYLATE	0.272	0.328	-20.6	89	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.246	-23.0	92	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.462	-14.4	88	0.00
66	T	TOLUENE	0.998	1.062	-6.4	80	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.527	-13.8	86	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.400	-17.6	86	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.314	-5.7	85	0.00
70	T	2-HEXANONE	0.275	0.334	-21.5	91	0.00
71	T	ETHYL METHACRYLATE	0.444	0.554	-24.8	86	0.00
72	T	TETRACHLOROETHENE	0.425	0.381	10.4	70	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.638	-0.9	74	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.583	-6.8	74	0.00
75	T	OCTANE	0.434	0.524	-20.7	91	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	77	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.492	-2.3	72	0.00
78	T	CHLOROBENZENE	0.963	0.966	-0.3	74	0.00
79	t	ETHYLBENZENE	1.442	1.556	-7.9	78	0.00
80	t	M,P-XYLENE	1.120	1.281	-14.4	78	0.00
81	t	O-XYLENE	1.147	1.344	-17.2	79	0.00
82	T	STYRENE	0.878	0.995	-13.3	76	0.00
83	T	NONANE	0.535	0.694	-29.7	97	0.00
84	T	BROMOFORM	0.659	0.651	1.2	68	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	1.055	-22.4	84	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.708	-19.0	83	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.695	-10.5	77	0.00
88	T	ISOPROPYLBENZENE	0.489	0.534	-9.2	73	0.00
89	T	BROMOBENZENE	0.743	0.882	-18.7	82	0.00
90	T	2-CHLOROTOLUENE	0.434	0.451	-3.9	71	0.00
91	T	N-PROPYLBENZENE	0.498	0.538	-8.0	73	0.00
92	T	4-ETHYLTOLUENE	1.715	2.083	-21.5	78	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.784	-26.2	79	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.953	-26.9	76	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.479	-19.5	76	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	2.075	-34.7#	80	0.00

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V2W2603-CC2599
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 2W58454.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	T	BENZYL CHLORIDE	0.477	1.124	-135.6#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.249	-20.1	73	0.00
99	T	P-DICHLOROBENZENE	1.046	1.253	-19.8	72	0.00
100	T	O-DICHLOROBENZENE	1.051	1.301	-23.8	75	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.610	-23.0	74	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.983	-36.0#	81	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.739	-28.5	78	0.00
104	T	N-BUTYLBENZENE	0.514	0.646	-25.7	76	0.00
105	T	HEXACHLOROETHANE	0.681	0.879	-29.1	82	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.851	-2.9	68	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.879	-10.4	69	0.00
108	T	NAPHTHALENE	1.900	2.111	-11.1	73	0.00

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

M2W2599.M Wed Mar 23 14:34:49 2022 GCMS2W

Initial Calibration Summary

Job Number: JD42150 **Sample:** V3W2981-ICC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75777.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Response Factor Report GCMS3W

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 26 22:23:42 2022
Response via : Initial Calibration

Calibration Files
0.04=3w75772.D 0.1 =3w75773.D 0.2 =3w75774.D 0.5 =3w75775.D
5 =3w75776.D 10 =3w75777.D 20 =3w75778.D 40 =3w75779.D
50 =3w75780.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.918	0.871	0.796	0.772	0.804	0.815	0.821	0.813		0.826	5.62
4) CHLORODIFLUOROMETHANE	0.446	0.462	0.422	0.429	0.430	0.439	0.443	0.435		0.438	2.84
5) CHLOROTRIFLUOROETHENE	2.348	1.977	1.956	1.878	1.940	1.947	1.910	1.879		1.979	7.73
6) DICHLORODIFLUOROMETHANE	4.829	4.995	4.686	4.402	4.528	4.567	4.484	4.291		4.598	5.00
7) PROPYLENE	1.559	1.398	1.270	1.162	1.187	1.205	1.196	1.175		1.269	11.04
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.918	3.594	3.336	3.182	3.239	3.215	3.276	3.174		3.367	7.74
9) FREON 114	3.954	3.728	3.447	3.258	3.326	3.303	3.282	3.280		3.447	7.45
10) CHLOROMETHANE	0.467	0.415	0.367	0.345	0.357	0.355	0.378	0.371		0.382	10.60
11) VINYL CHLORIDE	1.450	1.237	1.192	1.131	1.162	1.164	1.183	1.230		1.219	8.20
12) 1,3-BUTADIENE	1.247	1.107	0.930	0.862	0.887	0.892	0.896	0.914		0.967	14.10
13) n-BUTANE	2.457	2.012	2.056	1.755	1.763	1.797	1.776	1.803		1.927	12.66
14) BROMOMETHANE	2.110	1.573	1.304	1.059	1.080	1.071	1.086	1.083		1.296	28.91
15) CHLOROETHANE	0.730	0.646	0.565	0.519	0.526	0.532	0.542	0.537		0.574	13.01
16) DICHLOROFLUOROMETHANE	3.920	3.355	3.027	2.677	2.725	2.716	2.694	2.645		2.970	15.30
17) ACETONITRILE		2.418	1.146	0.971	1.002	1.022	1.047	1.037		1.235	42.49
---- Linear regression ---- Coefficient = 0.9998											
Response Ratio = -0.01091 + 1.04116 *A											
18) ACROLEIN	0.575	0.523	0.450	0.388	0.402	0.406	0.417	0.410		0.446	15.04
19) FREON 123	3.529	3.282	3.020	2.858	2.929	2.928	2.917	2.857		3.040	7.91
20) FREON 123A	2.161	1.993	1.803	1.713	1.744	1.752	1.751	1.721		1.830	8.80
21) TRICHLOROFLUOROMETHANE	4.813	4.264	4.061	3.799	3.910	3.928	3.895	3.820		4.061	8.33

Initial Calibration Summary

Job Number: JD42150 **Sample:** V3W2981-ICC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75777.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

22)	ISOPROPYL ALCOHOL	3.514	3.203	2.849	2.402	2.502	2.539	2.572	2.549	2.766	14.30
23)	ACETONE	0.955	0.841	0.700	0.562	0.575	0.581	0.597	0.590	0.675	21.79
24)	PENTANE	1.863	1.642	1.483	1.388	1.438	1.469	1.459	1.457	1.525	10.17
25)	IODOMETHANE	4.667	4.150	3.801	3.662	3.785	3.819	3.780	3.671	3.917	8.64
26)	1,1-DICHLOROETHYLENE	1.611	1.402	1.367	1.307	1.343	1.372	1.380	1.371	1.394	6.60
27)	CARBON DISULFIDE	4.308	4.034	3.883	3.732	3.904	3.951	4.006	3.939	3.970	4.15
28)	ETHANOL			0.916	0.468	0.495	0.485	0.482	0.475	0.553	32.15
29)	BROMOETHENE	1.531	1.367	1.239	1.172	1.211	1.207	1.223	1.206	1.270	9.50
30)	ACRYLONITRILE	0.929	0.814	0.836	0.828	0.887	0.913	0.930	0.930	0.883	5.66
31)	METHYLENE CHLORIDE		1.828	1.435	1.155	1.184	1.214	1.218	1.219	1.322	18.23
32)	3-CHLOROPROPENE	0.645	0.665	0.612	0.614	0.627	0.655	0.664	0.662	0.643	3.47
33)	FREON 113	2.975	2.667	2.494	2.389	2.439	2.468	2.466	2.414	2.539	7.70
34)	TRANS-1,2-DICHLOROETHYLENE	1.676	1.441	1.420	1.349	1.411	1.448	1.471	1.476	1.461	6.54
35)	TERTIARY BUTYL ALCOHOL	3.001	2.780	2.729	2.582	2.696	2.748	2.747	2.737	2.753	4.25
36)	METHYL TERTIARY BUTYL ETHER	4.834	4.465	4.136	4.009	4.118	4.167	4.182	4.130	4.255	6.29
37)	TETRAHYDROFURAN	0.735	0.611	0.623	0.609	0.636	0.649	0.669	0.673	0.651	6.40
38)	HEXANE	2.281	2.234	2.068	1.995	2.058	2.087	2.065	2.025	2.102	4.81
39)	VINYL ACETATE	0.208	0.228	0.204	0.230	0.237	0.247	0.257	0.257	0.234	8.64
40)	1,1-DICHLOROETHANE	2.794	2.607	2.468	2.364	2.455	2.491	2.515	2.500	2.524	5.08
41)	METHYL ETHYL KETONE	0.675	0.664	0.633	0.624	0.650	0.665	0.680	0.686	0.660	3.36
42)	cis-1,2-DICHLOROETHYLENE	1.703	1.475	1.410	1.393	1.448	1.482	1.501	1.505	1.490	6.40
43)	DIISOPROPYL ETHER	0.649	0.627	0.608	0.598	0.618	0.631	0.636	0.625	0.624	2.56
44)	ETHYL ACETATE	0.426	0.442	0.434	0.426	0.438	0.450	0.451	0.444	0.439	2.19
45)	METHYL ACRYLATE	2.878	2.619	2.575	2.442	2.547	2.593	2.593	2.545	2.599	4.80
46)	CHLOROFORM	3.830	3.497	3.211	3.042	3.124	3.147	3.187	3.154	3.274	7.98
47)	2,4-DIMETHYLPENTANE	2.777	2.530	2.457	2.367	2.431	2.490	2.523	2.499	2.509	4.81
48)	1,1,1-TRICHLOROETHANE	4.131	3.831	3.640	3.470	3.540	3.551	3.572	3.512	3.656	6.06
49)	CARBON TETRACHLORIDE	4.176	3.841	3.741	3.703	3.793	3.799	3.794	3.720	3.821	3.94
50)	1,2-DICHLOROETHANE	2.381	2.297	2.180	2.108	2.149	2.185	2.221	2.201	2.215	3.90

51) I 1,4-DIFLUOROBENZENE ----------ISTD----------

Initial Calibration Summary

Job Number: JD42150 **Sample:** V3W2981-ICC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75777.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

52)	BENZENE										
		0.969	0.882	0.823	0.796	0.807	0.806	0.779	0.765	0.828	8.07
53)	CYCLOHEXANE										
		0.504	0.415	0.370	0.340	0.348	0.350	0.345	0.340	0.377	15.24
54)	2,3-DIMETHYLPENTANE										
		0.197	0.179	0.167	0.172	0.176	0.178	0.175	0.173	0.177	5.02
55)	TRICHLOROETHYLENE										
		0.498	0.430	0.418	0.385	0.375	0.386	0.384	0.370	0.359	0.401	10.68
56)	1,2-DICHLOROPROPANE										
		0.362	0.320	0.308	0.291	0.298	0.300	0.293	0.286	0.307	7.97
57)	DIBROMOMETHANE										
		0.446	0.428	0.390	0.377	0.380	0.373	0.355	0.342	0.386	9.02
58)	ETHYL ACRYLATE										
		0.649	0.607	0.587	0.594	0.611	0.622	0.606	0.591	0.609	3.26
59)	BROMODICHLOROMETHANE										
		0.758	0.682	0.661	0.661	0.681	0.678	0.661	0.645	0.678	5.10
60)	2,2,4-TRIMETHYLPENTANE										
		1.490	1.418	1.297	1.274	1.308	1.305	1.233	1.184	1.314	7.46
61)	1,4-DIOXANE										
		0.199	0.188	0.175	0.172	0.178	0.180	0.176	0.170	0.180	5.28
62)	HEPTANE										
		0.589	0.533	0.505	0.488	0.504	0.507	0.494	0.484	0.513	6.64
63)	METHYL METHACRYLATE										
		0.333	0.310	0.283	0.286	0.293	0.299	0.298	0.295	0.300	5.27
64)	METHYL ISOBUTYL KETONE										
		0.257	0.249	0.236	0.233	0.239	0.246	0.240	0.238	0.242	3.29
65)	cis-1,3-DICHLOROPROPENE										
		0.535	0.510	0.481	0.484	0.499	0.506	0.494	0.485	0.499	3.58
66)	TOLUENE										
		0.656	0.626	0.585	0.577	0.594	0.591	0.567	0.552	0.593	5.61
67)	1,3-DICHLOROPROPANE										
		0.524	0.480	0.465	0.468	0.479	0.479	0.465	0.455	0.477	4.37
68)	trans-1,3-DICHLOROPROPENE										
		0.503	0.448	0.455	0.459	0.479	0.483	0.472	0.467	0.471	3.79
69)	1,1,2-TRICHLOROETHANE										
		0.309	0.306	0.286	0.279	0.291	0.294	0.287	0.283	0.292	3.68
70)	I CHLOROBENZENE-D5	----------ISTD----------									
71)	2-HEXANONE										
		0.720	0.683	0.661	0.630	0.645	0.620	0.521	0.492	0.622	12.54
72)	ETHYL METHACRYLATE										
		1.114	1.043	1.012	0.989	1.008	0.950	0.805	0.753	0.959	12.69
73)	TETRACHLOROETHYLENE										
		1.401	1.138	1.023	0.968	0.902	0.893	0.840	0.689	0.638	0.944	24.48
74)	DIBROMOCHLOROMETHANE										
		1.660	1.554	1.448	1.417	1.423	1.348	1.122	1.045	1.377	14.94
75)	1,2-DIBROMOETHANE										
		1.303	1.205	1.160	1.119	1.121	1.074	0.903	0.848	1.092	13.81
76)	OCTANE										
		1.681	1.513	1.455	1.393	1.385	1.328	1.109	1.037	1.363	15.31
77)	1,1,1,2-TETRACHLOROETHANE										
		1.238	1.114	1.050	0.991	0.997	0.938	0.767	0.711	0.976	17.73
78)	CHLOROBENZENE										
		1.917	1.857	1.702	1.615	1.624	1.534	1.257	1.171	1.585	16.56
79)	ETHYLBENZENE										
		3.304	2.944	2.796	2.713	2.713	2.556	2.100	1.958	2.636	16.55
80)	m,p-XYLENE										
		1.187	1.089	1.046	1.027	1.029	0.970	0.795	0.742	0.986	15.05
81)	o-XYLENE										
		1.225	1.041	1.042	0.995	0.990	0.940	0.771	0.718	0.965	16.63

Initial Calibration Summary

Job Number: JD42150 **Sample:** V3W2981-ICC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75777.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

82)	STYRENE	1.677	1.590	1.502	1.535	1.559	1.493	1.260	1.189	1.476	11.29
83)	NONANE	1.575	1.543	1.477	1.431	1.438	1.372	1.135	1.062	1.379	13.45
84)	BROMOFORM	1.521	1.431	1.344	1.346	1.380	1.319	1.105	1.036	1.310	12.38
85)	4-BROMOFLUOROBENZENE	0.972	1.041	1.091	1.126	1.141	1.103	1.111	1.010	0.971	1.063	6.21
86)	1,1,2,2-TETRACHLOROETHANE	1.542	1.488	1.387	1.357	1.360	1.305	1.073	0.993	1.313	14.47
87)	1,2,3-TRICHLOROPROPANE	1.377	1.250	1.156	1.115	1.123	1.083	0.921	0.865	1.111	14.81
88)	ISOPROPYLBENZENE	3.760	3.418	3.268	3.152	3.095	2.895	2.339	2.149	3.009	17.89
89)	BROMOBENZENE	1.600	1.460	1.372	1.325	1.342	1.293	1.095	1.035	1.315	13.90
90)	2-CHLOROTOLUENE	0.852	0.786	0.782	0.742	0.745	0.701	0.592	0.553	0.719	14.03
91)	n-PROPYLBENZENE	0.916	0.875	0.843	0.833	0.830	0.778	0.661	0.617	0.794	13.09
92)	4-ETHYLTOLUENE	3.082	2.859	2.928	2.925	2.924	2.753	2.245	2.079	2.724	13.27
93)	1,3,5-TRIMETHYLBENZENE	2.878	2.684	2.602	2.504	2.503	2.352	1.923	1.782	2.404	15.59
94)	ALPHA-METHYLSTYRENE	1.149	1.187	1.175	1.229	1.235	1.189	0.996	0.933	1.137	9.75
95)	tert-BUTYLBENZENE	0.649	0.652	0.599	0.589	0.578	0.538	0.440	0.405	0.556	16.33
96)	1,2,4-TRIMETHYLBENZENE	2.529	2.476	2.489	2.460	2.437	2.285	1.843	1.690	2.276	14.29
97)	m-DICHLOROBENZENE	1.613	1.536	1.530	1.507	1.513	1.451	1.198	1.116	1.433	12.38
98)	BENZYL CHLORIDE	1.727	1.638	1.629	1.815	1.868	1.804	1.528	1.439	1.681	8.90
99)	p-DICHLOROBENZENE	1.587	1.482	1.511	1.487	1.517	1.435	1.207	1.123	1.419	11.55
100)	sec-BUTYLBENZENE	0.824	0.795	0.774	0.745	0.750	0.703	0.588	0.551	0.716	13.68
101)	1,2,3-Trimethylbenzene	2.854	2.567	2.539	2.464	2.475	2.321	1.879	1.721	2.352	15.93
102)	p-ISOPROPYLTOLUENE	0.891	0.838	0.825	0.798	0.793	0.746	0.604	0.558	0.757	15.41
103)	o-DICHLOROBENZENE	1.518	1.491	1.445	1.444	1.465	1.405	1.168	1.088	1.378	11.56
104)	n-BUTYLBENZENE	0.681	0.696	0.674	0.711	0.730	0.705	0.589	0.554	0.667	9.36
105)	HEXACHLOROETHANE	1.190	1.029	1.049	1.019	1.034	0.997	0.832	0.780	0.991	13.03
106)	HEXACHLOROBUTADIENE	1.623	1.443	1.438	1.342	1.370	1.291	1.054	0.967	1.316	16.23
107)	1,2,4-TRICHLOROBENZENE	0.577	0.658	0.730	0.832	0.957	0.981	0.864	0.814	0.802	17.49
108)	NAPHTHALENE	1.461	1.544	1.723	1.803	2.079	2.092	1.801	1.674	1.772	12.78

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

M3W2981.M Tue Apr 26 22:26:24 2022

Initial Calibration Verification

Job Number: JD42150 **Sample:** V3W2981-ICV2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75784.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\3w75784.D Vial: 4
Acq On : 23 Apr 2022 11:54 am Operator: thomash
Sample : icv2981-10 Inst : GCMS3W
Misc : MS57846,V3W2981,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 26 22:23:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	120	0.00	8.13
2	FREON 115		----------NA----------				
3	FREON 152A	0.826	0.826	0.0	123	0.00	4.36
4	CHLORODIFLUOROMETHANE	0.438	0.434	0.9	121	0.00	4.39
5	CHLOROTRIFLUOROETHENE	1.979	1.979	0.0	122	0.00	4.42
6	DICHLORODIFLUOROMETHANE	4.598	4.548	1.1	120	0.00	4.48
7	PROPYLENE	1.269	1.201	5.4	121	0.00	4.42
8	1-CHLORO-1,1-DIFLUOROETHA	3.367	3.067	8.9	113	0.00	4.58
9	FREON 114	3.447	3.631	-5.3	131	0.00	4.67
10	CHLOROMETHANE	0.382	0.348	8.9	117	0.00	4.61
11	VINYL CHLORIDE	1.219	1.395	-14.4	144#	0.00	4.77
12	1,3-BUTADIENE	0.967	1.070	-10.7	145#	0.00	4.87
13	n-BUTANE	1.927	2.152	-11.7	146#	0.00	4.91
14	BROMOMETHANE	1.296	1.329	-2.5	147#	0.00	5.09
15	CHLOROETHANE	0.574	0.712	-24.0	162#	0.00	5.21
16	DICHLOROFLUOROMETHANE	2.970	3.023	-1.8	133	0.00	5.27
	----------	True	Calc.	% Drift	----------		
17	ACETONITRILE	10.000	9.131	8.7	112	0.00	5.45
	----------	AvgRF	CCRF	% Dev	----------		
18	ACROLEIN	0.446	0.381	14.6	114	0.00	5.55
19	FREON 123	3.040	3.333	-9.6	136	0.00	5.57
20	FREON 123A	1.830	2.105	-15.0	145#	0.00	5.61
21	TRICHLOROFLUOROMETHANE	4.061	3.997	1.6	123	0.00	5.79
22	ISOPROPYL ALCOHOL	2.766	2.493	9.9	119	0.00	5.81
23	ACETONE	0.675	0.595	11.9	124	0.00	5.65
24	PENTANE	1.525	1.528	-0.2	127	0.00	6.05
25	IODOMETHANE	3.917	3.968	-1.3	126	0.00	6.23
26	1,1-DICHLOROETHYLENE	1.394	1.416	-1.6	126	0.00	6.28
27	CARBON DISULFIDE	3.970	3.865	2.6	119	0.00	6.64
28	ETHANOL	0.553	0.434	21.5	105	0.00	5.28
29	BROMOETHENE	1.270	1.440	-13.4	143#	0.00	5.48
30	ACRYLONITRILE	0.883	0.800	9.4	108	0.00	5.99
31	METHYLENE CHLORIDE	1.322	1.240	6.2	125	0.00	6.36
32	3-CHLOROPROPENE	0.643	0.677	-5.3	129	0.00	6.46
33	FREON 113	2.539	2.507	1.3	123	0.00	6.56
34	TRANS-1,2-DICHLOROETHYLEN	1.461	1.479	-1.2	126	0.00	7.11
35	TERTIARY BUTYL ALCOHOL	2.753	2.489	9.6	111	0.00	6.28
36	METHYL TERTIARY BUTYL ETH	4.255	4.357	-2.4	127	0.00	7.31
37	TETRAHYDROFURAN	0.651	0.638	2.0	120	0.00	8.59
38	HEXANE	2.102	2.254	-7.2	131	0.00	8.15

Initial Calibration Verification

Job Number: JD42150 **Sample:** V3W2981-ICV2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75784.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39		VINYL ACETATE	0.234	0.222	5.1	112	0.00	7.37
40		1,1-DICHLOROETHANE	2.524	2.619	-3.8	128	0.00	7.28
41		METHYL ETHYL KETONE	0.660	0.651	1.4	120	0.00	7.59
42		cis-1,2-DICHLOROETHYLENE	1.490	1.567	-5.2	130	0.00	7.98
43		DIISOPROPYL ETHER	0.624	0.652	-4.5	126	0.00	8.12
44		ETHYL ACETATE	0.439	0.454	-3.4	124	0.00	8.14
45		METHYL ACRYLATE	2.599	2.490	4.2	117	0.00	8.14
46		CHLOROFORM	3.274	3.215	1.8	123	0.00	8.24
47		2,4-DIMETHYLPENTANE	2.509	2.646	-5.5	130	0.00	8.93
48		1,1,1-TRICHLOROETHANE	3.656	3.576	2.2	121	0.00	9.12
49		CARBON TETRACHLORIDE	3.821	3.827	-0.2	121	0.00	9.68
50		1,2-DICHLOROETHANE	2.215	2.172	1.9	121	0.00	8.89
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	121	0.00	9.84
52		BENZENE	0.828	0.859	-3.7	129	0.00	9.54
53		CYCLOHEXANE	0.377	0.374	0.8	131	0.00	9.79
54		2,3-DIMETHYLPENTANE	0.177	0.191	-7.9	131	0.00	9.99
55		TRICHLOROETHYLENE	0.401	0.413	-3.0	130	0.00	10.51
56		1,2-DICHLOROPROPANE	0.307	0.313	-2.0	128	0.00	10.29
57		DIBROMOMETHANE	0.386	0.385	0.3	123	0.00	10.28
58		ETHYL ACRYLATE	0.609	0.582	4.4	115	0.00	10.26
59		BROMODICHLOROMETHANE	0.678	0.695	-2.5	124	0.00	10.48
60		2,2,4-TRIMETHYLPENTANE	1.314	1.381	-5.1	128	0.00	10.53
61		1,4-DIOXANE	0.180	0.155	13.9	105	0.00	10.51
62		HEPTANE	0.513	0.540	-5.3	130	0.00	10.77
63		METHYL METHACRYLATE	0.300	0.295	1.7	122	0.00	10.68
64		METHYL ISOBUTYL KETONE	0.242	0.242	0.0	123	0.00	11.35
65		cis-1,3-DICHLOROPROPENE	0.499	0.546	-9.4	133	0.00	11.33
66		TOLUENE	0.593	0.641	-8.1	131	0.00	12.30
67		1,3-DICHLOROPROPANE	0.477	0.503	-5.5	127	0.00	12.32
68		trans-1,3-DICHLOROPROPENE	0.471	0.466	1.1	118	0.00	11.84
69		1,1,2-TRICHLOROETHANE	0.292	0.310	-6.2	129	0.00	12.02
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	128	0.00	14.10
71		2-HEXANONE	0.622	0.507	18.5	100	0.00	12.54
72		ETHYL METHACRYLATE	0.959	0.905	5.6	115	0.00	12.55
73		TETRACHLOROETHYLENE	0.944	0.901	4.6	129	0.00	13.45
74		DIBROMOCHLOROMETHANE	1.377	1.392	-1.1	125	0.00	12.73
75		1,2-DIBROMOETHANE	1.092	1.091	0.1	124	0.00	12.98
76		OCTANE	1.363	1.416	-3.9	131	0.00	13.28
77		1,1,1,2-TETRACHLOROETHANE	0.976	0.980	-0.4	126	0.00	14.13
78		CHLOROBENZENE	1.585	1.646	-3.8	130	0.00	14.15
79		ETHYLBENZENE	2.636	2.745	-4.1	129	0.00	14.54
80		m,p-XYLENE	0.986	1.050	-6.5	131	0.00	14.74
81		o-XYLENE	0.965	1.030	-6.7	133	0.00	15.25
82		STYRENE	1.476	1.554	-5.3	127	0.00	15.12
83		NONANE	1.379	1.461	-5.9	130	0.00	15.47
84		BROMOFORM	1.310	1.390	-6.1	129	0.00	14.83
85	S	4-BROMOFLUOROBENZENE	1.063	1.160	-9.1	134	0.00	15.75
86		1,1,2,2-TETRACHLOROETHANE	1.313	1.405	-7.0	132	0.00	15.24
87		1,2,3-TRICHLOROPROPANE	1.111	1.127	-1.4	128	0.00	15.38
88		ISOPROPYLBENZENE	3.009	3.140	-4.4	130	0.00	15.90
89		BROMOBENZENE	1.315	1.339	-1.8	128	0.00	16.01
90		2-CHLOROTOLUENE	0.719	0.757	-5.3	130	0.00	16.45
91		n-PROPYLBENZENE	0.794	0.841	-5.9	130	0.00	16.49
92		4-ETHYLTOLUENE	2.724	3.004	-10.3	131	0.00	16.66
93		1,3,5-TRIMETHYLBENZENE	2.404	2.580	-7.3	132	0.00	16.75
94		ALPHA-METHYLSTYRENE	1.137	1.218	-7.1	126	0.00	16.93
95		tert-BUTYLBENZENE	0.556	0.592	-6.5	131	0.00	17.21
96		1,2,4-TRIMETHYLBENZENE	2.276	2.528	-11.1	133	0.00	17.22

Initial Calibration Verification

Job Number: JD42150 **Sample:** V3W2981-ICV2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75784.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	m-DICHLOROBENZENE	1.433	1.561	-8.9	132	0.00	17.40
98	BENZYL CHLORIDE	1.681	1.458	13.3	100	0.00	17.38
99	p-DICHLOROBENZENE	1.419	1.535	-8.2	129	0.00	17.48
100	sec-BUTYLBENZENE	0.716	0.760	-6.1	130	0.00	17.53
101	1,2,3-Trimethylbenzene	2.352	2.572	-9.4	133	0.00	17.72
102	p-ISOPROPYLTOLUENE	0.757	0.808	-6.7	130	0.00	17.72
103	o-DICHLOROBENZENE	1.378	1.543	-12.0	135	0.00	17.87
104	n-BUTYLBENZENE	0.667	0.761	-14.1	133	0.00	18.20
105	HEXACHLOROETHANE	0.991	1.112	-12.2	138	0.00	18.65
106	HEXACHLOROBUTADIENE	1.316	1.467	-11.5	137	0.00	20.38
107	1,2,4-TRICHLOROBENZENE	0.802	0.931	-16.1	124	0.00	19.86
108	NAPHTHALENE	1.772	1.113	37.2#	68	0.00	19.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w75777.D M3W2981.M Tue Apr 26 22:26:45 2022

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2984-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75839.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\3w75839.D Vial: 2
Acq On : 26 Apr 2022 7:51 am Operator: thomash
Sample : cc2981-10 Inst : GCMS3W
Misc : MS57619,V3W2984,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 26 22:23:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	8.13
2	FREON 115	0.000	0.855	0.0	0#	0.00	4.27
3	FREON 152A	0.826	0.833	-0.8	104	0.00	4.36
4	CHLORODIFLUOROMETHANE	0.438	0.440	-0.5	103	0.00	4.39
5	CHLOROTRIFLUOROETHENE	1.979	1.842	6.9	95	0.00	4.42
6	DICHLORODIFLUOROMETHANE	4.598	4.527	1.5	100	0.00	4.47
7	PROPYLENE	1.269	1.356	-6.9	114	0.00	4.41
8	1-CHLORO-1,1-DIFLUOROETHA	3.367	3.367	0.0	104	0.00	4.58
9	FREON 114	3.447	3.153	8.5	95	0.00	4.67
10	CHLOROMETHANE	0.382	0.397	-3.9	111	0.00	4.60
11	VINYL CHLORIDE	1.219	1.116	8.4	96	0.00	4.76
12	1,3-BUTADIENE	0.967	0.859	11.2	97	0.00	4.87
13	n-BUTANE	1.927	1.803	6.4	102	0.00	4.90
14	BROMOMETHANE	1.296	0.961	25.8	89	0.00	5.08
15	CHLOROETHANE	0.574	0.514	10.5	98	0.00	5.20
16	DICHLOROFLUOROMETHANE	2.970	2.658	10.5	98	0.00	5.26
		True	Calc.	% Drift			
17	ACETONITRILE	10.000	10.640	-6.4	110	0.00	5.45
		AvgRF	CCRF	% Dev			
18	ACROLEIN	0.446	0.394	11.7	98	0.00	5.55
19	FREON 123	3.040	2.818	7.3	96	0.00	5.56
20	FREON 123A	1.830	1.727	5.6	99	0.00	5.60
21	TRICHLOROFLUOROMETHANE	4.061	3.950	2.7	101	0.00	5.78
22	ISOPROPYL ALCOHOL	2.766	2.940	-6.3	118	0.00	5.82
23	ACETONE	0.675	0.667	1.2	116	0.00	5.65
24	PENTANE	1.525	1.735	-13.8	121	0.00	6.04
25	IODOMETHANE	3.917	3.592	8.3	95	0.00	6.22
26	1,1-DICHLOROETHYLENE	1.394	1.307	6.2	97	0.00	6.27
27	CARBON DISULFIDE	3.970	3.924	1.2	101	0.00	6.63
28	ETHANOL	0.553	0.513	7.2	104	0.00	5.28
29	BROMOETHENE	1.270	1.065	16.1	88	0.00	5.47
30	ACRYLONITRILE	0.883	0.969	-9.7	109	0.00	5.99
31	METHYLENE CHLORIDE	1.322	1.196	9.5	101	0.00	6.36
32	3-CHLOROPROPENE	0.643	0.640	0.5	102	0.00	6.45
33	FREON 113	2.539	2.325	8.4	95	0.00	6.56
34	TRANS-1,2-DICHLOROETHYLEN	1.461	1.367	6.4	97	0.00	7.11
35	TERTIARY BUTYL ALCOHOL	2.753	2.795	-1.5	104	0.00	6.28
36	METHYL TERTIARY BUTYL ETH	4.255	4.069	4.4	99	0.00	7.31
37	TETRAHYDROFURAN	0.651	0.631	3.1	99	0.00	8.60
38	HEXANE	2.102	2.244	-6.8	109	0.00	8.14

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2984-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75839.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39		VINYL ACETATE	0.234	0.224	4.3	94	0.00	7.37
40		1,1-DICHLOROETHANE	2.524	2.578	-2.1	105	0.00	7.28
41		METHYL ETHYL KETONE	0.660	0.653	1.1	101	0.00	7.60
42		cis-1,2-DICHLOROETHYLENE	1.490	1.394	6.4	96	0.00	7.98
43		DIISOPROPYL ETHER	0.624	0.660	-5.8	107	0.00	8.12
44		ETHYL ACETATE	0.439	0.468	-6.6	107	0.00	8.15
45		METHYL ACRYLATE	2.599	2.724	-4.8	107	0.00	8.15
46		CHLOROFORM	3.274	3.092	5.6	99	0.00	8.24
47		2,4-DIMETHYLPENTANE	2.509	2.607	-3.9	107	0.00	8.92
48		1,1,1-TRICHLOROETHANE	3.656	3.421	6.4	97	0.00	9.12
49		CARBON TETRACHLORIDE	3.821	3.695	3.3	98	0.00	9.68
50		1,2-DICHLOROETHANE	2.215	2.209	0.3	103	0.00	8.89
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	100	0.00	9.84
52		BENZENE	0.828	0.807	2.5	100	0.00	9.54
53		CYCLOHEXANE	0.377	0.348	7.7	100	0.00	9.79
54		2,3-DIMETHYLPENTANE	0.177	0.181	-2.3	103	0.00	9.99
55		TRICHLOROETHYLENE	0.401	0.377	6.0	98	0.00	10.51
56		1,2-DICHLOROPROPANE	0.307	0.321	-4.6	108	0.00	10.29
57		DIBROMOMETHANE	0.386	0.347	10.1	91	0.00	10.28
58		ETHYL ACRYLATE	0.609	0.654	-7.4	107	0.00	10.26
59		BROMODICHLOROMETHANE	0.678	0.677	0.1	99	0.00	10.48
60		2,2,4-TRIMETHYLPENTANE	1.314	1.428	-8.7	109	0.00	10.53
61		1,4-DIOXANE	0.180	0.176	2.2	98	0.00	10.51
62		HEPTANE	0.513	0.586	-14.2	116	0.00	10.77
63		METHYL METHACRYLATE	0.300	0.297	1.0	101	0.00	10.68
64		METHYL ISOBUTYL KETONE	0.242	0.257	-6.2	107	0.00	11.36
65		cis-1,3-DICHLOROPROPENE	0.499	0.502	-0.6	100	0.00	11.33
66		TOLUENE	0.593	0.575	3.0	97	0.00	12.30
67		1,3-DICHLOROPROPANE	0.477	0.487	-2.1	101	0.00	12.32
68		trans-1,3-DICHLOROPROPENE	0.471	0.465	1.3	97	0.00	11.84
69		1,1,2-TRICHLOROETHANE	0.292	0.290	0.7	100	0.00	12.02
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	109	0.00	14.10
71		2-HEXANONE	0.622	0.617	0.8	104	0.00	12.54
72		ETHYL METHACRYLATE	0.959	0.928	3.2	100	0.00	12.54
73		TETRACHLOROETHYLENE	0.944	0.766	18.9	93	0.00	13.45
74		DIBROMOCHLOROMETHANE	1.377	1.253	9.0	96	0.00	12.73
75		1,2-DIBROMOETHANE	1.092	0.973	10.9	94	0.00	12.98
76		OCTANE	1.363	1.492	-9.5	117	0.00	13.27
77		1,1,1,2-TETRACHLOROETHANE	0.976	0.895	8.3	98	0.00	14.13
78		CHLOROBENZENE	1.585	1.457	8.1	98	0.00	14.15
79		ETHYLBENZENE	2.636	2.456	6.8	98	0.00	14.54
80		m,p-XYLENE	0.986	0.926	6.1	98	0.00	14.73
81		o-XYLENE	0.965	0.916	5.1	101	0.00	15.25
82		STYRENE	1.476	1.371	7.1	96	0.00	15.12
83		NONANE	1.379	1.588	-15.2	120	0.00	15.47
84		BROMOFORM	1.310	1.174	10.4	92	0.00	14.83
85	S	4-BROMOFLUOROBENZENE	1.063	1.176	-10.6	116	0.00	15.75
86		1,1,2,2-TETRACHLOROETHANE	1.313	1.311	0.2	105	0.00	15.24
87		1,2,3-TRICHLOROPROPANE	1.111	1.093	1.6	106	0.00	15.38
88		ISOPROPYLBENZENE	3.009	2.846	5.4	100	0.00	15.90
89		BROMOBENZENE	1.315	1.241	5.6	101	0.00	16.01
90		2-CHLOROTOLUENE	0.719	0.676	6.0	99	0.00	16.45
91		n-PROPYLBENZENE	0.794	0.749	5.7	98	0.00	16.49
92		4-ETHYLTOLUENE	2.724	2.665	2.2	99	0.00	16.66
93		1,3,5-TRIMETHYLBENZENE	2.404	2.283	5.0	99	0.00	16.74
94		ALPHA-METHYLSTYRENE	1.137	1.115	1.9	98	0.00	16.93
95		tert-BUTYLBENZENE	0.556	0.538	3.2	101	0.00	17.21
96		1,2,4-TRIMETHYLBENZENE	2.276	2.279	-0.1	102	0.00	17.22

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2984-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75839.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	m-DICHLOROBENZENE	1.433	1.329	7.3	95	0.00	17.40
98	BENZYL CHLORIDE	1.681	1.650	1.8	96	0.00	17.38
99	p-DICHLOROBENZENE	1.419	1.309	7.8	94	0.00	17.48
100	sec-BUTYLBENZENE	0.716	0.686	4.2	99	0.00	17.53
101	1,2,3-Trimethylbenzene	2.352	2.311	1.7	102	0.00	17.72
102	p-ISOPROPYLTOLUENE	0.757	0.735	2.9	101	0.00	17.72
103	o-DICHLOROBENZENE	1.378	1.311	4.9	97	0.00	17.87
104	n-BUTYLBENZENE	0.667	0.657	1.5	98	0.00	18.20
105	HEXACHLOROETHANE	0.991	0.966	2.5	102	0.00	18.65
106	HEXACHLOROBUTADIENE	1.316	1.218	7.4	97	0.00	20.38
107	1,2,4-TRICHLOROBENZENE	0.802	0.814	-1.5	93	0.00	19.86
108	NAPHTHALENE	1.772	1.789	-1.0	94	0.00	19.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w75777.D M3W2981.M Thu Apr 28 22:33:35 2022

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2986-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75896.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\3w75896.D Vial: 2
Acq On : 28 Apr 2022 9:25 am Operator: thomash
Sample : cc2981-10 Inst : GCMS3W
Misc : MS57899,V3W2986,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Tue Apr 26 22:23:42 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	85	0.00	8.13
2	FREON 115	0.000	0.991	0.0	0#	0.00	4.27
3	FREON 152A	0.826	0.787	4.7	83	0.00	4.36
4	CHLORODIFLUOROMETHANE	0.438	0.451	-3.0	89	0.00	4.39
5	CHLOROTRIFLUOROETHENE	1.979	1.755	11.3	77	0.00	4.42
6	DICHLORODIFLUOROMETHANE	4.598	4.519	1.7	85	0.00	4.48
7	PROPYLENE	1.269	1.369	-7.9	98	0.00	4.42
8	1-CHLORO-1,1-DIFLUOROETHA	3.367	3.325	1.2	88	0.00	4.58
9	FREON 114	3.447	3.152	8.6	81	0.00	4.67
10	CHLOROMETHANE	0.382	0.360	5.8	86	0.00	4.60
11	VINYL CHLORIDE	1.219	1.134	7.0	83	0.00	4.77
12	1,3-BUTADIENE	0.967	0.894	7.5	86	0.00	4.87
13	n-BUTANE	1.927	1.932	-0.3	93	0.00	4.91
14	BROMOMETHANE	1.296	0.945	27.1	75	0.00	5.08
15	CHLOROETHANE	0.574	0.498	13.2	81	0.00	5.20
16	DICHLOROFLUOROMETHANE	2.970	2.737	7.8	86	0.00	5.26
		True	Calc.	% Drift			
17	ACETONITRILE	10.000	10.905	-9.0	96	0.00	5.45
		AvgRF	CCRF	% Dev			
18	ACROLEIN	0.446	0.377	15.5	80	0.00	5.55
19	FREON 123	3.040	2.811	7.5	82	0.00	5.56
20	FREON 123A	1.830	1.690	7.7	83	0.00	5.60
21	TRICHLOROFLUOROMETHANE	4.061	4.120	-1.5	90	0.00	5.78
22	ISOPROPYL ALCOHOL	2.766	2.954	-6.8	101	0.00	5.82
23	ACETONE	0.675	0.642	4.9	95	0.00	5.65
24	PENTANE	1.525	1.733	-13.6	103	0.00	6.04
25	IODOMETHANE	3.917	3.594	8.2	81	0.00	6.23
26	1,1-DICHLOROETHYLENE	1.394	1.281	8.1	81	0.00	6.27
27	CARBON DISULFIDE	3.970	3.854	2.9	84	0.00	6.63
28	ETHANOL	0.553	0.522	5.6	90	0.00	5.28
29	BROMOETHENE	1.270	1.073	15.5	76	0.00	5.47
30	ACRYLONITRILE	0.883	0.947	-7.2	91	0.00	6.00
31	METHYLENE CHLORIDE	1.322	1.155	12.6	83	0.00	6.36
32	3-CHLOROPROPENE	0.643	0.620	3.6	84	0.00	6.46
33	FREON 113	2.539	2.359	7.1	82	0.00	6.56
34	TRANS-1,2-DICHLOROETHYLEN	1.461	1.313	10.1	79	0.00	7.11
35	TERTIARY BUTYL ALCOHOL	2.753	2.786	-1.2	88	0.00	6.28
36	METHYL TERTIARY BUTYL ETH	4.255	4.081	4.1	84	0.00	7.31
37	TETRAHYDROFURAN	0.651	0.606	6.9	81	0.00	8.60
38	HEXANE	2.102	2.198	-4.6	91	0.00	8.14

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2986-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75896.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

39		VINYL ACETATE	0.234	0.216	7.7	77	0.00	7.37
40		1,1-DICHLOROETHANE	2.524	2.549	-1.0	89	0.00	7.28
41		METHYL ETHYL KETONE	0.660	0.627	5.0	82	0.00	7.60
42		cis-1,2-DICHLOROETHYLENE	1.490	1.357	8.9	80	0.00	7.98
43		DIISOPROPYL ETHER	0.624	0.643	-3.0	89	0.00	8.13
44		ETHYL ACETATE	0.439	0.457	-4.1	89	0.00	8.15
45		METHYL ACRYLATE	2.599	2.692	-3.6	90	0.00	8.15
46		CHLOROFORM	3.274	3.111	5.0	85	0.00	8.24
47		2,4-DIMETHYLPENTANE	2.509	2.526	-0.7	89	0.00	8.93
48		1,1,1-TRICHLOROETHANE	3.656	3.527	3.5	85	0.00	9.12
49		CARBON TETRACHLORIDE	3.821	3.851	-0.8	87	0.00	9.67
50		1,2-DICHLOROETHANE	2.215	2.275	-2.7	90	0.00	8.89
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	84	0.00	9.84
52		BENZENE	0.828	0.782	5.6	82	0.00	9.54
53		CYCLOHEXANE	0.377	0.338	10.3	82	0.00	9.79
54		2,3-DIMETHYLPENTANE	0.177	0.174	1.7	83	0.00	9.99
55		TRICHLOROETHYLENE	0.401	0.381	5.0	83	0.00	10.51
56		1,2-DICHLOROPROPANE	0.307	0.315	-2.6	89	0.00	10.29
57		DIBROMOMETHANE	0.386	0.357	7.5	79	0.00	10.28
58		ETHYL ACRYLATE	0.609	0.642	-5.4	88	0.00	10.26
59		BROMODICHLOROMETHANE	0.678	0.684	-0.9	85	0.00	10.48
60		2,2,4-TRIMETHYLPENTANE	1.314	1.407	-7.1	91	0.00	10.53
61		1,4-DIOXANE	0.180	0.172	4.4	81	0.00	10.51
62		HEPTANE	0.513	0.585	-14.0	98	0.00	10.77
63		METHYL METHACRYLATE	0.300	0.288	4.0	83	0.00	10.68
64		METHYL ISOBUTYL KETONE	0.242	0.249	-2.9	88	0.00	11.35
65		cis-1,3-DICHLOROPROPENE	0.499	0.496	0.6	84	0.00	11.33
66		TOLUENE	0.593	0.561	5.4	80	0.00	12.30
67		1,3-DICHLOROPROPANE	0.477	0.482	-1.0	85	0.00	12.32
68		trans-1,3-DICHLOROPROPENE	0.471	0.463	1.7	81	0.00	11.84
69		1,1,2-TRICHLOROETHANE	0.292	0.286	2.1	83	0.00	12.02
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	14.10
71		2-HEXANONE	0.622	0.605	2.7	85	0.00	12.54
72		ETHYL METHACRYLATE	0.959	0.920	4.1	82	0.00	12.54
73		TETRACHLOROETHYLENE	0.944	0.786	16.7	79	0.00	13.45
74		DIBROMOCHLOROMETHANE	1.377	1.291	6.2	82	0.00	12.73
75		1,2-DIBROMOETHANE	1.092	0.979	10.3	79	0.00	12.98
76		OCTANE	1.363	1.506	-10.5	98	0.00	13.27
77		1,1,1,2-TETRACHLOROETHANE	0.976	0.930	4.7	84	0.00	14.13
78		CHLOROBENZENE	1.585	1.456	8.1	81	0.00	14.15
79		ETHYLBENZENE	2.636	2.460	6.7	82	0.00	14.54
80		m,p-XYLENE	0.986	0.930	5.7	82	0.00	14.73
81		o-XYLENE	0.965	0.919	4.8	84	0.00	15.25
82		STYRENE	1.476	1.343	9.0	78	0.00	15.12
83		NONANE	1.379	1.624	-17.8	102	0.00	15.47
84		BROMOFORM	1.310	1.221	6.8	80	0.00	14.83
85	S	4-BROMOFLUOROBENZENE	1.063	1.163	-9.4	95	0.00	15.75
86		1,1,2,2-TETRACHLOROETHANE	1.313	1.306	0.5	87	0.00	15.24
87		1,2,3-TRICHLOROPROPANE	1.111	1.088	2.1	87	0.00	15.38
88		ISOPROPYLBENZENE	3.009	2.872	4.6	84	0.00	15.90
89		BROMOBENZENE	1.315	1.234	6.2	83	0.00	16.01
90		2-CHLOROTOLUENE	0.719	0.674	6.3	82	0.00	16.45
91		n-PROPYLBENZENE	0.794	0.752	5.3	82	0.00	16.49
92		4-ETHYLTOLUENE	2.724	2.680	1.6	83	0.00	16.66
93		1,3,5-TRIMETHYLBENZENE	2.404	2.306	4.1	83	0.00	16.74
94		ALPHA-METHYLSTYRENE	1.137	1.099	3.3	80	0.00	16.93
95		tert-BUTYLBENZENE	0.556	0.542	2.5	85	0.00	17.21
96		1,2,4-TRIMETHYLBENZENE	2.276	2.296	-0.9	85	0.00	17.22

Continuing Calibration Summary

Job Number: JD42150 **Sample:** V3W2986-CC2981
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W75896.D
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

97	m-DICHLOROBENZENE	1.433	1.346	6.1	80	0.00	17.40
98	BENZYL CHLORIDE	1.681	1.655	1.5	80	0.00	17.38
99	p-DICHLOROBENZENE	1.419	1.308	7.8	78	0.00	17.47
100	sec-BUTYLBENZENE	0.716	0.691	3.5	83	0.00	17.53
101	1,2,3-Trimethylbenzene	2.352	2.347	0.2	86	0.00	17.72
102	p-ISOPROPYLTOLUENE	0.757	0.755	0.3	86	0.00	17.72
103	o-DICHLOROBENZENE	1.378	1.324	3.9	82	0.00	17.87
104	n-BUTYLBENZENE	0.667	0.663	0.6	82	0.00	18.20
105	HEXACHLOROETHANE	0.991	0.979	1.2	86	0.00	18.65
106	HEXACHLOROBUTADIENE	1.316	1.286	2.3	85	0.00	20.38
107	1,2,4-TRICHLOROBENZENE	0.802	0.809	-0.9	76	0.00	19.86
108	NAPHTHALENE	1.772	1.761	0.6	77	0.00	19.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w75777.D M3W2981.M Fri Apr 29 19:13:31 2022

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V2W2599 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2599-BFB	2W58348.D	03/18/22 19:02	n/a	BFB Tune
V2W2599-IC2599	2W58349.D	03/18/22 19:40	n/a	Initial cal 0.5
V2W2599-IC2599	2W58350.D	03/18/22 20:15	n/a	Initial cal 0.2
V2W2599-IC2599	2W58351.D	03/18/22 20:50	n/a	Initial cal 0.1
V2W2599-IC2599	2W58352.D	03/18/22 21:26	n/a	Initial cal 0.04
V2W2599-IC2599	2W58353.D	03/18/22 22:02	n/a	Initial cal 5
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	n/a	Initial cal 10
V2W2599-IC2599	2W58355.D	03/18/22 23:17	n/a	Initial cal 20
V2W2599-ICV2599	2W58363.D	03/19/22 11:40	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V2W2600 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2600-BFB	2W58364.D	03/19/22 12:29	n/a	BFB Tune
V2W2600-CC2599	2W58365.D	03/19/22 13:06	n/a	Continuing cal 10
V2W2600-BS	2W58366.D	03/19/22 13:43	n/a	Blank Spike
V2W2600-BSD	2W58367.D	03/19/22 14:19	n/a	Blank Spike Duplicate
V2W2600-MB	2W58369.D	03/19/22 15:37	n/a	Method Blank
V2W2600-SCC	2W58370.D	03/19/22 16:19	n/a	Summa Cleaning Certification
V2W2600-SCC	2W58371.D	03/19/22 17:00	n/a	Summa Cleaning Certification
V2W2600-SCC	2W58372.D	03/19/22 17:43	n/a	Summa Cleaning Certification
ZZZZZZ	2W58374.D	03/19/22 19:02	n/a	(unrelated sample)
ZZZZZZ	2W58375.D	03/19/22 19:45	n/a	(unrelated sample)
ZZZZZZ	2W58376.D	03/19/22 20:28	n/a	(unrelated sample)
ZZZZZZ	2W58377.D	03/19/22 21:11	n/a	(unrelated sample)
JD40265-2	2W58379.D	03/19/22 22:42	n/a	(used for QC only; not part of job JD42150)
JD40265-2DUP	2W58380.D	03/19/22 23:28	n/a	Duplicate
ZZZZZZ	2W58381.D	03/20/22 00:04	n/a	(unrelated sample)
ZZZZZZ	2W58382.D	03/20/22 00:41	n/a	(unrelated sample)
ZZZZZZ	2W58384.D	03/20/22 01:53	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V2W2601 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2601-BFB	2W58390.D	03/21/22 06:46	n/a	BFB Tune
V2W2601-CC2599	2W58392.D	03/21/22 08:26	n/a	Continuing cal 10
V2W2601-BS	2W58393.D	03/21/22 09:25	n/a	Blank Spike
V2W2601-BSD	2W58394.D	03/21/22 10:02	n/a	Blank Spike Duplicate
V2W2601-MB	2W58397.D	03/21/22 13:30	n/a	Method Blank
V2W2601-SCC	2W58398.D	03/21/22 14:12	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58399.D	03/21/22 14:54	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58401.D	03/21/22 16:20	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58402.D	03/21/22 17:01	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58403.D	03/21/22 17:44	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58404.D	03/21/22 18:27	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58406.D	03/21/22 19:51	n/a	Summa Cleaning Certification
ZZZZZZ	2W58407.D	03/21/22 20:35	n/a	(unrelated sample)
V2W2601-SCC	2W58408.D	03/21/22 21:18	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58409.D	03/21/22 22:00	n/a	Summa Cleaning Certification
ZZZZZZ	2W58410.D	03/21/22 22:44	n/a	(unrelated sample)
ZZZZZZ	2W58411.D	03/21/22 23:28	n/a	(unrelated sample)
ZZZZZZ	2W58412.D	03/22/22 00:13	n/a	(unrelated sample)
ZZZZZZ	2W58413.D	03/22/22 00:58	n/a	(unrelated sample)
JD40794-10	2W58414.D	03/22/22 01:41	n/a	(used for QC only; not part of job JD42150)
JD40794-10DUP	2W58415.D	03/22/22 02:24	n/a	Duplicate
ZZZZZZ	2W58416.D	03/22/22 03:08	n/a	(unrelated sample)
ZZZZZZ	2W58417.D	03/22/22 03:51	n/a	(unrelated sample)
V2W2601-SCC	2W58418.D	03/22/22 04:33	n/a	Summa Cleaning Certification
ZZZZZZ	2W58421.D	03/22/22 06:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V2W2602 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2602-BFB	2W58422.D	03/22/22 08:08	n/a	BFB Tune
V2W2602-CC2599	2W58423.D	03/22/22 08:46	n/a	Continuing cal 10
V2W2602-BS	2W58424.D	03/22/22 09:22	n/a	Blank Spike
V2W2602-BSD	2W58425.D	03/22/22 10:17	n/a	Blank Spike Duplicate
V2W2602-MB	2W58427.D	03/22/22 11:42	n/a	Method Blank
V2W2602-SCC	2W58428.D	03/22/22 12:40	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58429.D	03/22/22 13:22	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58430.D	03/22/22 14:04	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58431.D	03/22/22 14:46	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58432.D	03/22/22 15:29	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58435.D	03/22/22 17:35	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58436.D	03/22/22 18:16	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58437.D	03/22/22 18:59	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58438.D	03/22/22 19:40	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58439.D	03/22/22 20:22	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58440.D	03/22/22 21:04	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58441.D	03/22/22 21:46	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58442.D	03/22/22 22:28	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58443.D	03/22/22 23:09	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58444.D	03/22/22 23:52	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58445.D	03/23/22 00:34	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58446.D	03/23/22 01:16	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58447.D	03/23/22 01:58	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58448.D	03/23/22 02:41	n/a	Summa Cleaning Certification
V2W2602-SCC	2W58451.D	03/23/22 04:49	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V2W2603 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2603-BFB	2W58453.D	03/23/22 07:48	n/a	BFB Tune
V2W2603-CC2599	2W58454.D	03/23/22 08:57	n/a	Continuing cal 10
V2W2603-BS	2W58455.D	03/23/22 09:33	n/a	Blank Spike
V2W2603-BSD	2W58456.D	03/23/22 10:10	n/a	Blank Spike Duplicate
V2W2603-MB	2W58458.D	03/23/22 11:45	n/a	Method Blank
V2W2603-SCC	2W58459.D	03/23/22 12:42	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58460.D	03/23/22 13:29	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58461.D	03/23/22 14:12	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58462.D	03/23/22 14:54	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58463.D	03/23/22 15:36	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58464.D	03/23/22 16:18	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58465.D	03/23/22 16:59	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58466.D	03/23/22 17:42	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58467.D	03/23/22 18:24	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58468.D	03/23/22 19:07	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58469.D	03/23/22 19:49	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58470.D	03/23/22 20:31	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58471.D	03/23/22 21:12	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58472.D	03/23/22 21:54	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58473.D	03/23/22 22:35	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58474.D	03/23/22 23:17	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58475.D	03/23/22 23:59	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58476.D	03/24/22 00:41	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58477.D	03/24/22 01:18	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58478.D	03/24/22 01:55	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58480.D	03/24/22 03:09	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58481.D	03/24/22 03:52	n/a	Summa Cleaning Certification
V2W2603-SCC	2W58482.D	03/24/22 04:33	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V3W2981 **Method:** TO-15 **Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W2981-BFB	3W75770.D	04/23/22 00:24	n/a	BFB Tune
V3W2981-IC2981	3W75772.D	04/23/22 02:17	n/a	Initial cal 0.04
V3W2981-IC2981	3W75773.D	04/23/22 03:04	n/a	Initial cal 0.1
V3W2981-IC2981	3W75774.D	04/23/22 03:51	n/a	Initial cal 0.2
V3W2981-IC2981	3W75775.D	04/23/22 04:39	n/a	Initial cal 0.5
V3W2981-IC2981	3W75776.D	04/23/22 05:26	n/a	Initial cal 5
V3W2981-ICC2981	3W75777.D	04/23/22 06:12	n/a	Initial cal 10
V3W2981-IC2981	3W75778.D	04/23/22 07:00	n/a	Initial cal 20
V3W2981-IC2981	3W75779.D	04/23/22 07:52	n/a	Initial cal 40
V3W2981-IC2981	3W75780.D	04/23/22 08:46	n/a	Initial cal 50
V3W2981-ICV2981	3W75784.D	04/23/22 11:54	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V3W2984 **Method:** TO-15 **Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W2984-BFB	3W75838.D	04/26/22 07:10	n/a	BFB Tune
V3W2984-CC2981	3W75839.D	04/26/22 07:51	n/a	Continuing cal 10
V3W2984-BS	3W75840.D	04/26/22 08:41	n/a	Blank Spike
V3W2984-BSD	3W75841.D	04/26/22 09:21	n/a	Blank Spike Duplicate
V3W2984-MB	3W75843.D	04/26/22 10:47	n/a	Method Blank
JD41997-3	3W75844.D	04/26/22 11:33	n/a	(used for QC only; not part of job JD42150)
JD41997-3DUP	3W75845.D	04/26/22 12:20	n/a	Duplicate
ZZZZZZ	3W75846.D	04/26/22 14:14	n/a	(unrelated sample)
ZZZZZZ	3W75847.D	04/26/22 15:00	n/a	(unrelated sample)
ZZZZZZ	3W75848.D	04/26/22 16:46	n/a	(unrelated sample)
JD42150-1	3W75849.D	04/26/22 17:36	n/a	IA-101
JD42150-2	3W75850.D	04/26/22 18:28	n/a	IA-102
JD42150-3	3W75851.D	04/26/22 19:19	n/a	IA-103
JD42150-4	3W75852.D	04/26/22 20:08	n/a	IA-104
JD42150-5	3W75853.D	04/26/22 20:55	n/a	IA-105
JD42150-6	3W75854.D	04/26/22 21:41	n/a	IA-106
JD42150-8	3W75855.D	04/26/22 22:27	n/a	IA-1
JD42150-9	3W75856.D	04/26/22 23:17	n/a	IA-2
JD42150-10	3W75857.D	04/27/22 00:07	n/a	IA-3
JD42150-11	3W75858.D	04/27/22 00:50	n/a	VP-1
JD42150-12	3W75859.D	04/27/22 01:31	n/a	VP-2
JD42150-13	3W75860.D	04/27/22 02:12	n/a	VP-3
JD42150-14	3W75861.D	04/27/22 02:53	n/a	DUP-1
ZZZZZZ	3W75862.D	04/27/22 03:33	n/a	(unrelated sample)
ZZZZZZ	3W75863.D	04/27/22 04:15	n/a	(unrelated sample)
ZZZZZZ	3W75864.D	04/27/22 04:58	n/a	(unrelated sample)
V3W2984-SCC	3W75865.D	04/27/22 05:40	n/a	Summa Cleaning Certification
V3W2984-SCC	3W75866.D	04/27/22 06:20	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JD42150
Account: SESINJPB SESI Consulting Engineers
Project: Spic and Span Cleaners, 79 Pondfield Road, Bronxville, NY

Run ID: V3W2986 **Method:** TO-15 **Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W2986-BFB	3W75895.D	04/28/22 08:44	n/a	BFB Tune
V3W2986-CC2981	3W75896.D	04/28/22 09:25	n/a	Continuing cal 10
V3W2986-BS	3W75897.D	04/28/22 10:18	n/a	Blank Spike
V3W2986-BSD	3W75898.D	04/28/22 10:59	n/a	Blank Spike Duplicate
V3W2986-MB	3W75900.D	04/28/22 12:45	n/a	Method Blank
JD42255-26	3W75901.D	04/28/22 13:45	n/a	(used for QC only; not part of job JD42150)
JD42255-26DUP	3W75902.D	04/28/22 14:32	n/a	Duplicate
ZZZZZZ	3W75903.D	04/28/22 15:18	n/a	(unrelated sample)
ZZZZZZ	3W75904.D	04/28/22 16:04	n/a	(unrelated sample)
ZZZZZZ	3W75905.D	04/28/22 16:51	n/a	(unrelated sample)
ZZZZZZ	3W75906.D	04/28/22 17:37	n/a	(unrelated sample)
ZZZZZZ	3W75907.D	04/28/22 18:23	n/a	(unrelated sample)
ZZZZZZ	3W75908.D	04/28/22 19:09	n/a	(unrelated sample)
ZZZZZZ	3W75909.D	04/28/22 19:55	n/a	(unrelated sample)
ZZZZZZ	3W75910.D	04/28/22 20:41	n/a	(unrelated sample)
ZZZZZZ	3W75911.D	04/28/22 21:28	n/a	(unrelated sample)
ZZZZZZ	3W75912.D	04/28/22 22:14	n/a	(unrelated sample)
ZZZZZZ	3W75913.D	04/28/22 23:00	n/a	(unrelated sample)
ZZZZZZ	3W75914.D	04/28/22 23:39	n/a	(unrelated sample)
ZZZZZZ	3W75915.D	04/29/22 00:25	n/a	(unrelated sample)
ZZZZZZ	3W75916.D	04/29/22 01:11	n/a	(unrelated sample)
ZZZZZZ	3W75917.D	04/29/22 01:58	n/a	(unrelated sample)
JD42150-14	3W75918.D	04/29/22 02:38	n/a	DUP-1
ZZZZZZ	3W75919.D	04/29/22 03:20	n/a	(unrelated sample)
ZZZZZZ	3W75921.D	04/29/22 04:48	n/a	(unrelated sample)
V3W2986-SCC	3W75922.D	04/29/22 05:33	n/a	Summa Cleaning Certification
V3W2986-SCC	3W75923.D	04/29/22 06:19	n/a	Summa Cleaning Certification
V3W2986-SCC	3W75924.D	04/29/22 07:06	n/a	Summa Cleaning Certification

MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 14:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75849.D
Acq On : 26 Apr 2022 5:36 pm
Operator : thomash
Sample : jd42150-1
Misc : MS57846,V3W2984,592,,,,1.48
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 11:46:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

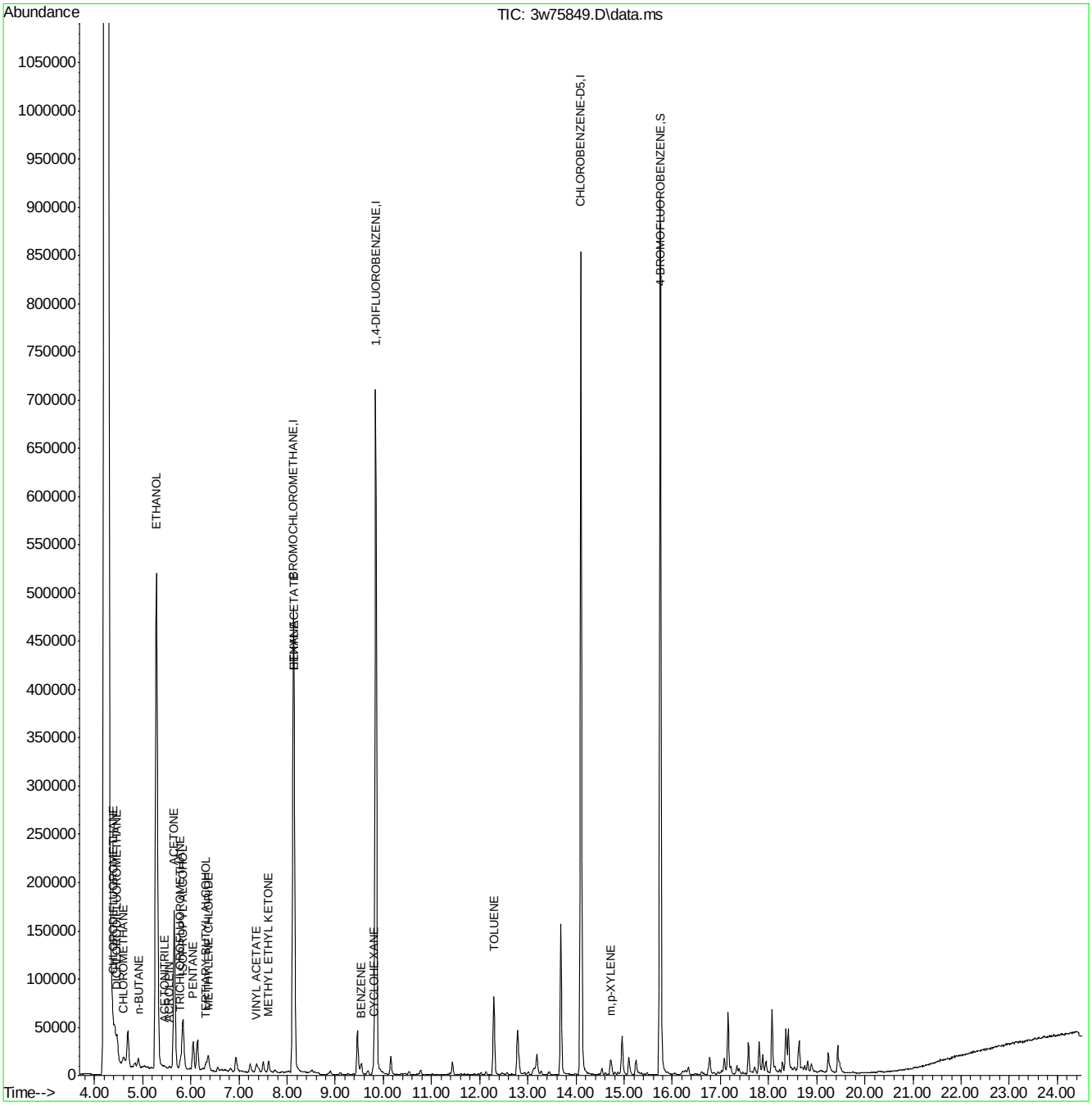
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	133993	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	677921	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	327163	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	377078	10.85	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.50%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.387	67	1535	0.26	PPBV		95
6) DICHLORODIFLUOROMETHANE	4.466	85	26184	0.43	PPBV		97
10) CHLOROMETHANE	4.600	52	3295	0.64	PPBV	#	88
13) n-BUTANE	4.910	43	13619	0.53	PPBV	#	90
17) ACETONITRILE	5.458	41	1997	0.25	PPBV	#	61
18) ACROLEIN	5.555	56	2109m	0.35	PPBV		
21) TRICHLOROFLUOROMETHANE	5.786	101	12455	0.23	PPBV		98
22) ISOPROPYL ALCOHOL	5.835	45	91797	2.48	PPBV		97
23) ACETONE	5.652	58	66672	7.37	PPBV		97
24) PENTANE	6.042	42	15657	0.77	PPBV		97
28) ETHANOL	5.287	45	887769	119.71	PPBV		99
31) METHYLENE CHLORIDE	6.364	84	8462	0.48	PPBV		82
35) TERTIARY BUTYL ALCOHOL	6.309	59	10136	0.27	PPBV	#	48
38) HEXANE	8.147	57	4994	0.18	PPBV		95
39) VINYL ACETATE	7.362	86	1376	0.44	PPBV	#	94
41) METHYL ETHYL KETONE	7.611	72	3660	0.41	PPBV	#	81
44) ETHYL ACETATE	8.147	61	24946	4.24	PPBV	#	1
52) BENZENE	9.540	78	10526	0.19	PPBV		97
53) CYCLOHEXANE	9.795	84	4304	0.17	PPBV	#	65
66) TOLUENE	12.296	92	40333	1.00	PPBV		98
80) m,p-XYLENE	14.717	106	7413	0.23	PPBV		98

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

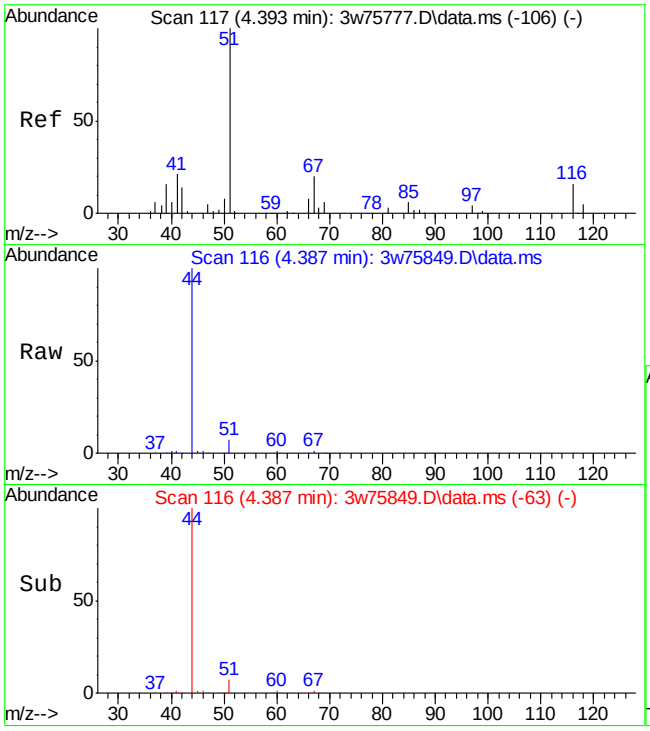
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75849.D
Acq On : 26 Apr 2022 5:36 pm
Operator : thomash
Sample : jd42150-1
Misc : MS57846,V3W2984,592,,,,1.48
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 11:46:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



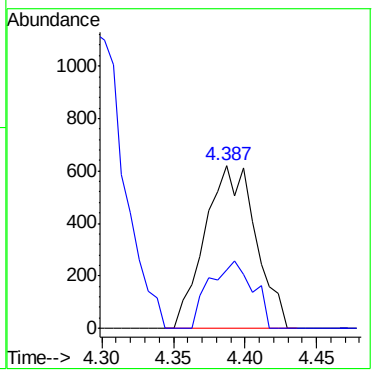
M3W2981.M Fri Apr 29 13:30:18 2022 Page: 2

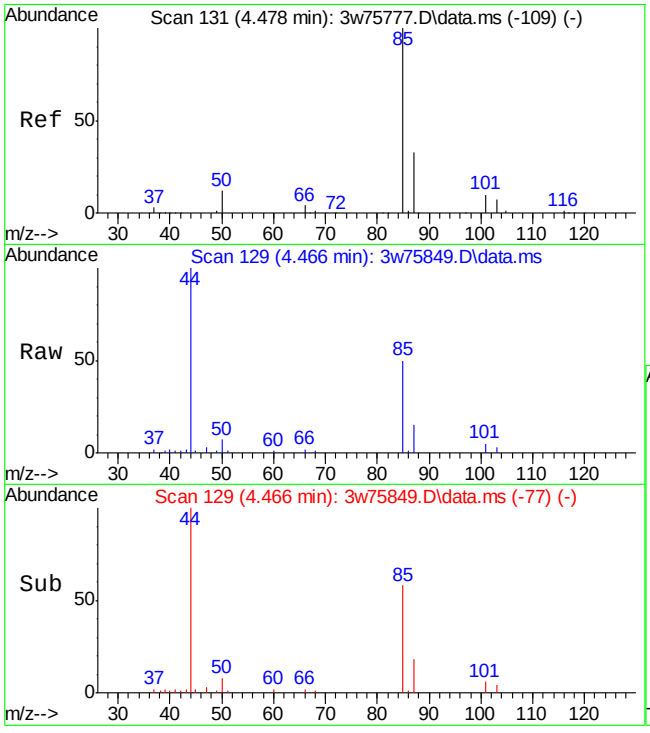


#4
CHLORODIFLUOROMETHANE
Concen: 0.26 PPBV
RT: 4.387 min Scan# 116
Delta R.T. -0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 67 Resp: 1535

Ion	Ratio	Lower	Upper
67	100		
69	35.9	13.0	53.0

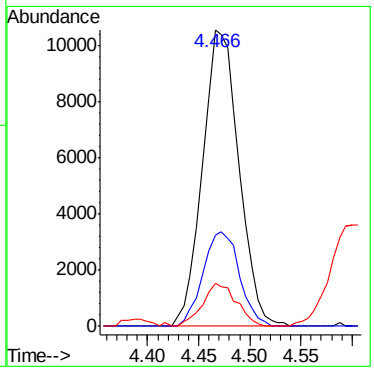


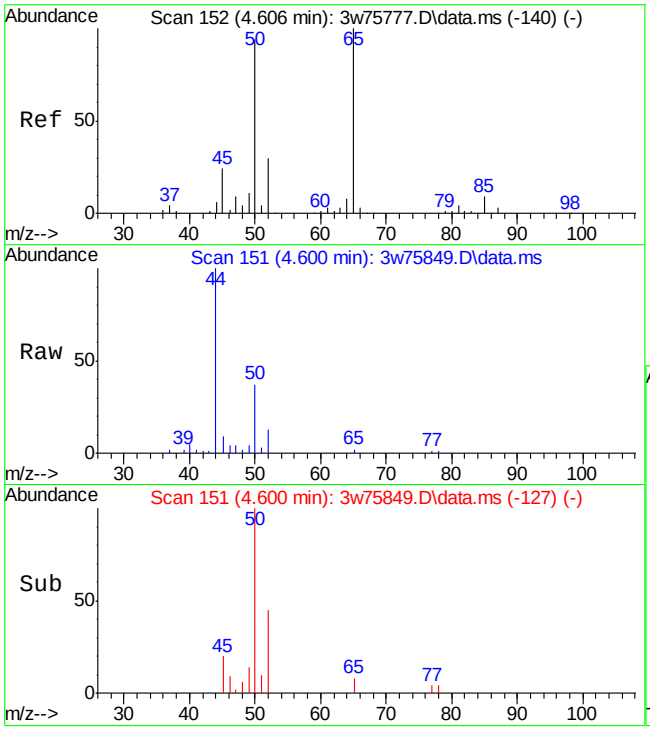


#6
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 4.466 min Scan# 129
Delta R.T. -0.012 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 85 Resp: 26184

Ion	Ratio	Lower	Upper
85	100		
87	31.8	12.5	52.5
50	13.5	0.0	30.4

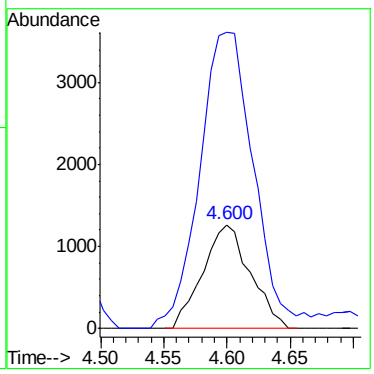


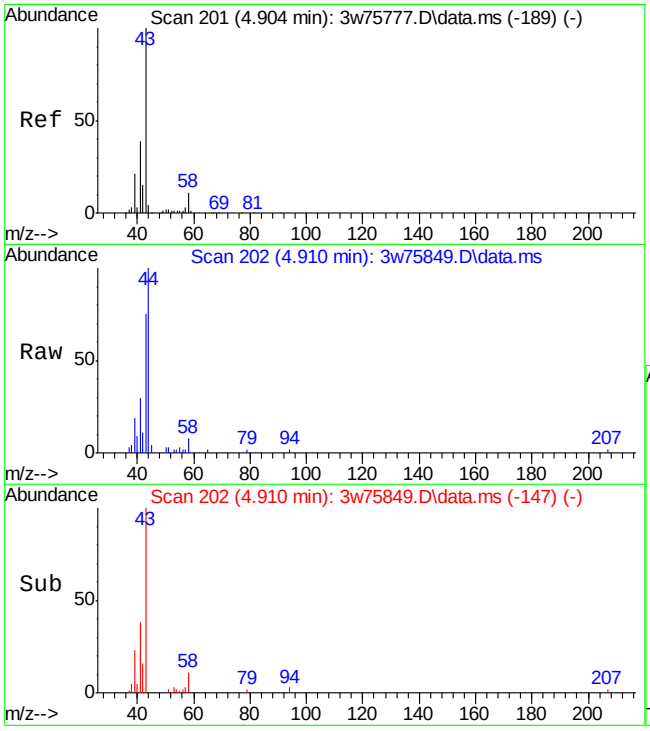


#10
CHLOROMETHANE
Concen: 0.64 PPBV
RT: 4.600 min Scan# 151
Delta R.T. -0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 52 Resp: 3295

Ion	Ratio	Lower	Upper
52	100		
50	274.0	276.8	316.8#

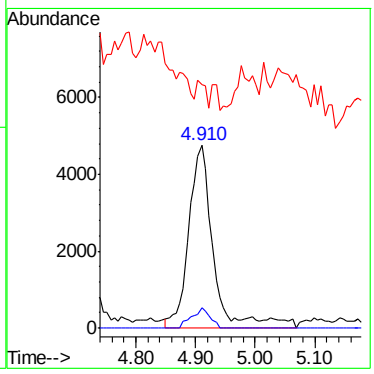


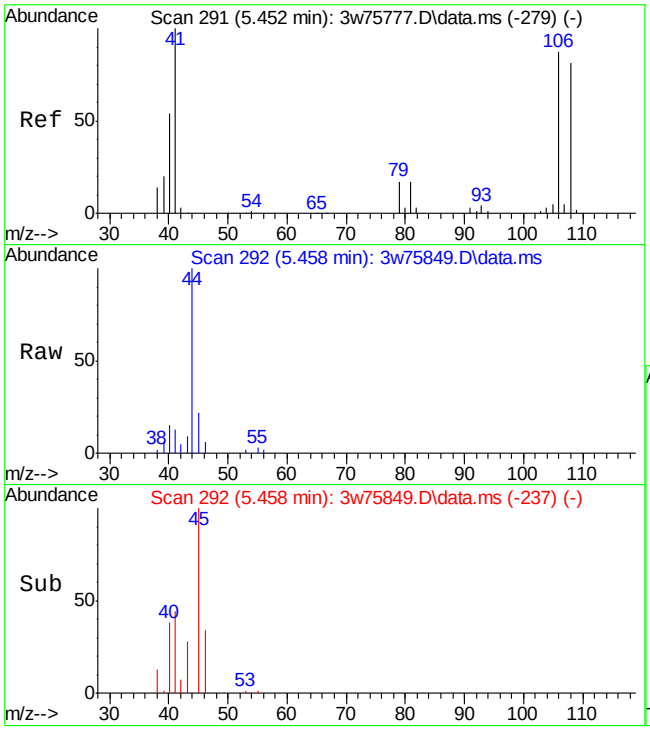


#13
n-BUTANE
Concen: 0.53 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 43 Resp: 13619

Ion	Ratio	Lower	Upper
43	100		
58	8.0	0.0	31.2
44	0.0	0.0	24.6

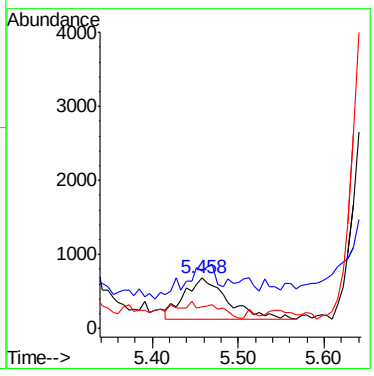


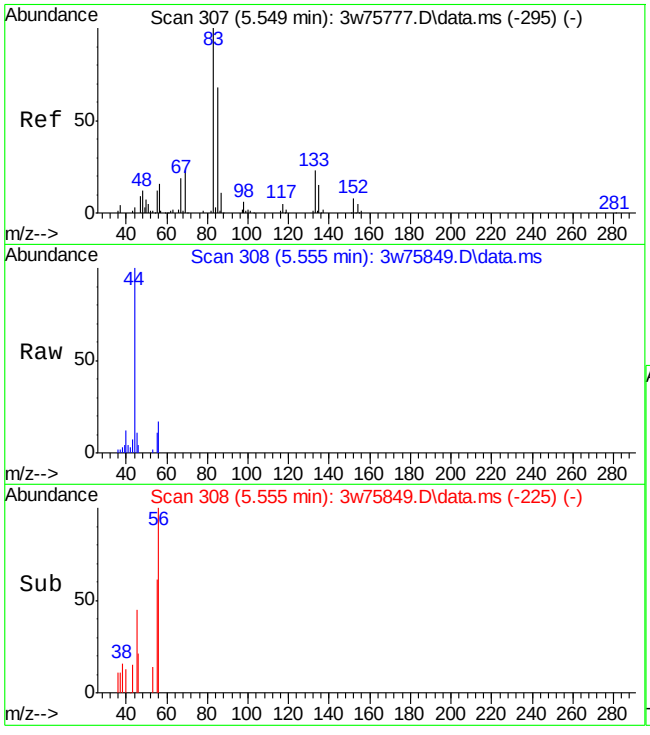


#17
ACETONITRILE
Concen: 0.25 PPBV
RT: 5.458 min Scan# 292
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 41 Resp: 1997

Ion	Ratio	Lower	Upper
41	100		
40	28.1	44.3	66.5#
39	0.0	16.2	24.4#

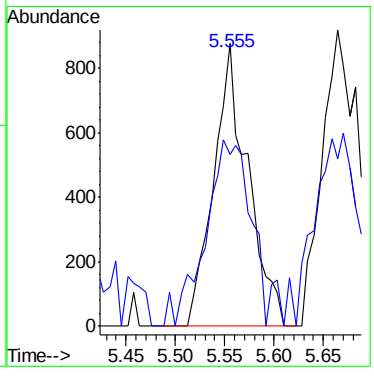


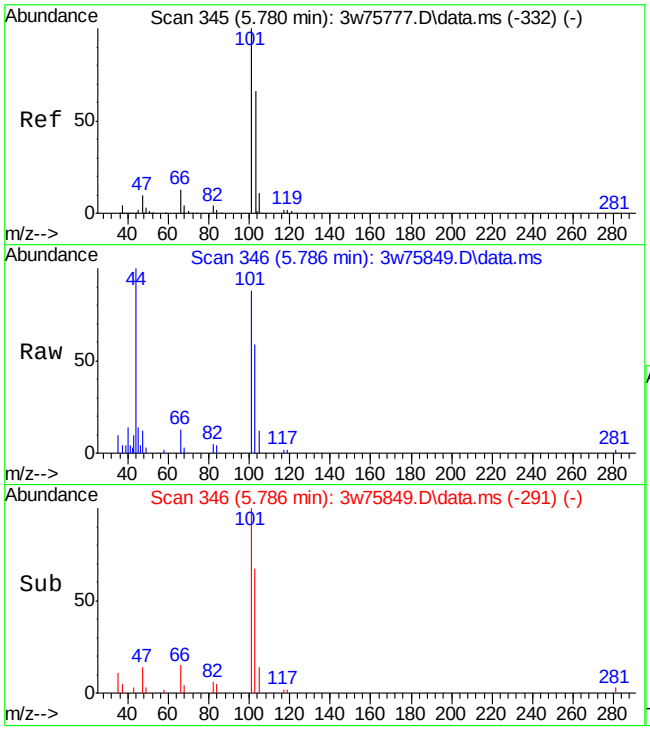


#18
ACROLEIN
Concen: 0.35 PPBV m
RT: 5.555 min Scan# 308
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 56 Resp: 2109

Ion	Ratio	Lower	Upper
56	100		
55	89.1	55.0	82.6#

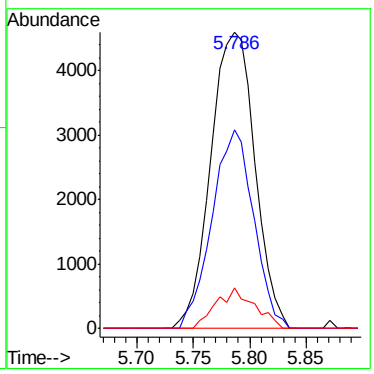


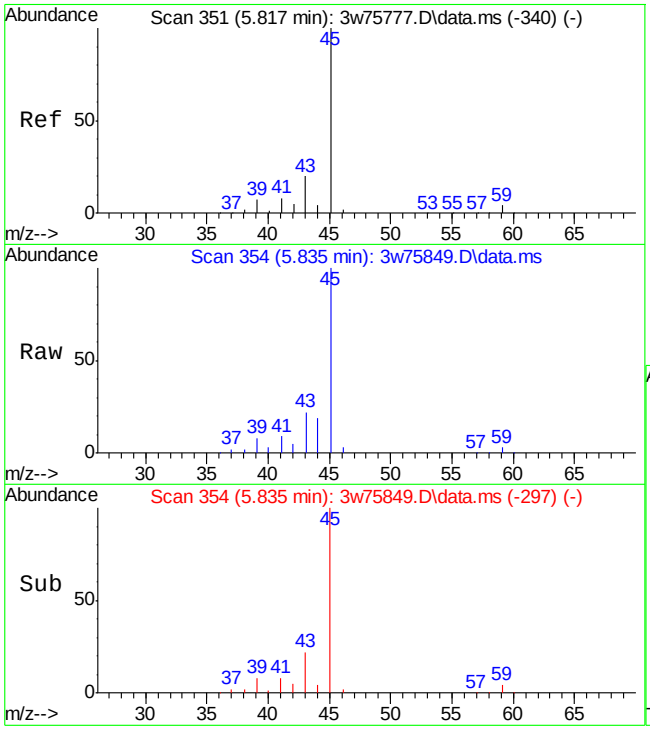


#21
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion:101 Resp: 12455

Ion	Ratio	Lower	Upper
101	100		
103	63.1	44.8	84.8
105	11.8	0.0	30.5

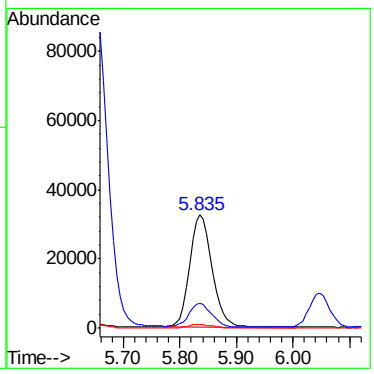


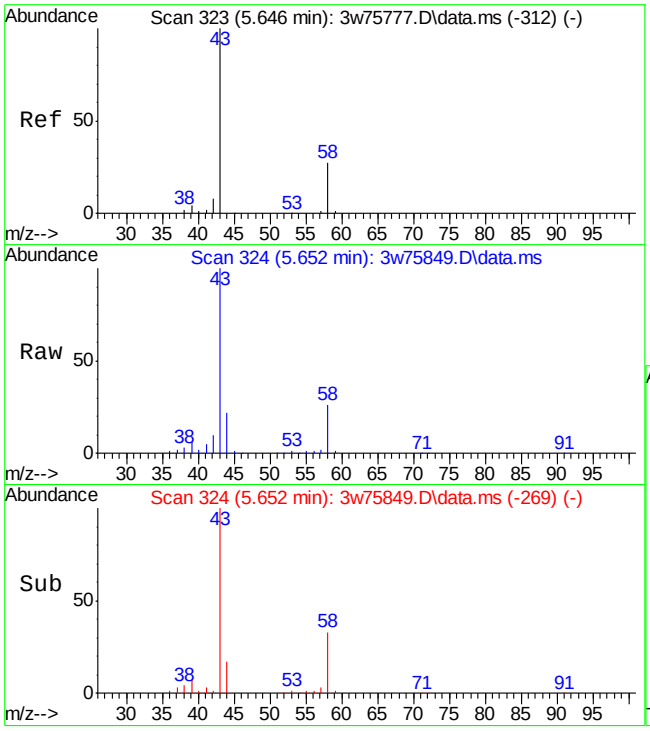


#22
ISOPROPYL ALCOHOL
Concen: 2.48 PPBV
RT: 5.835 min Scan# 354
Delta R.T. 0.018 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 45 Resp: 91797

Ion	Ratio	Lower	Upper
45	100		
43	22.4	0.7	40.7
59	3.4	0.0	23.6

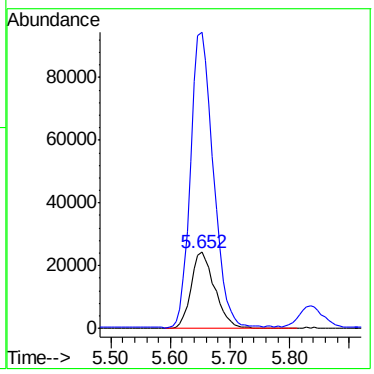


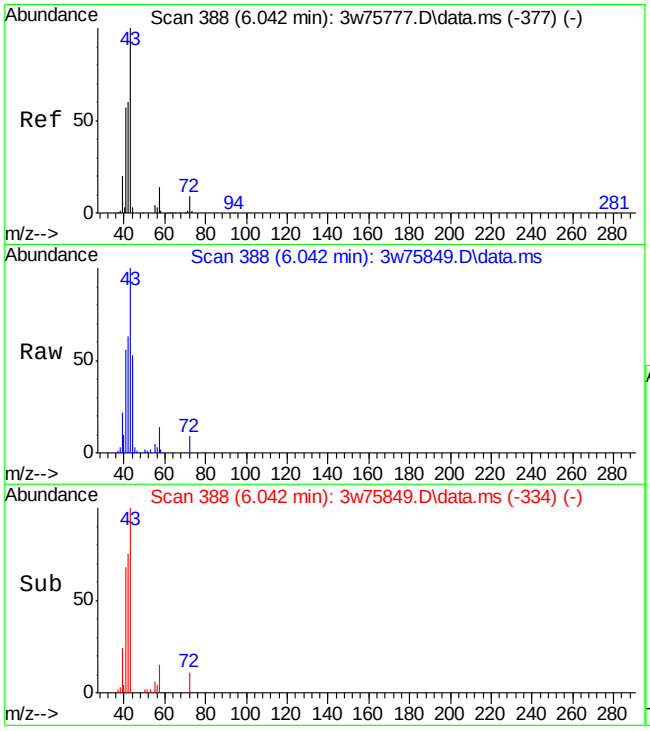


#23
ACETONE
Concen: 7.37 PPBV
RT: 5.652 min Scan# 324
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 58 Resp: 66672

Ion	Ratio	Lower	Upper
58	100		
43	376.8	362.9	402.9

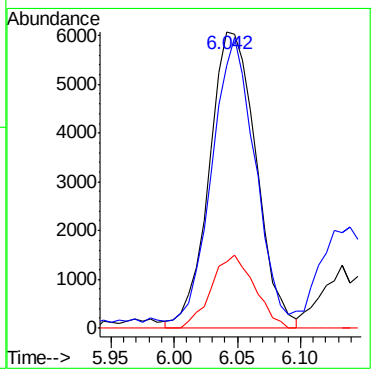


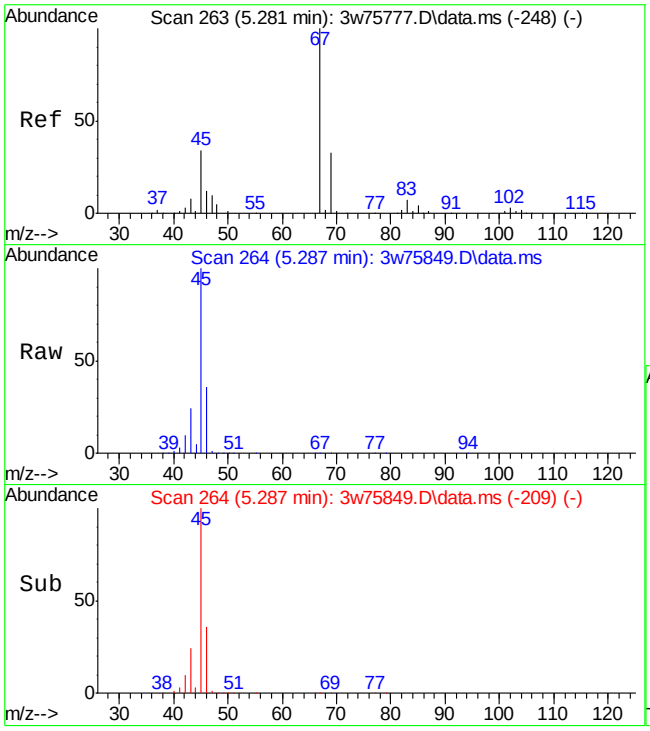


#24
PENTANE
Concen: 0.77 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 42 Resp: 15657

Ion	Ratio	Lower	Upper
42	100		
41	90.0	73.3	113.3
57	22.6	4.4	44.4

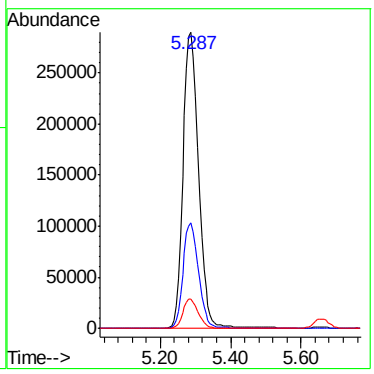


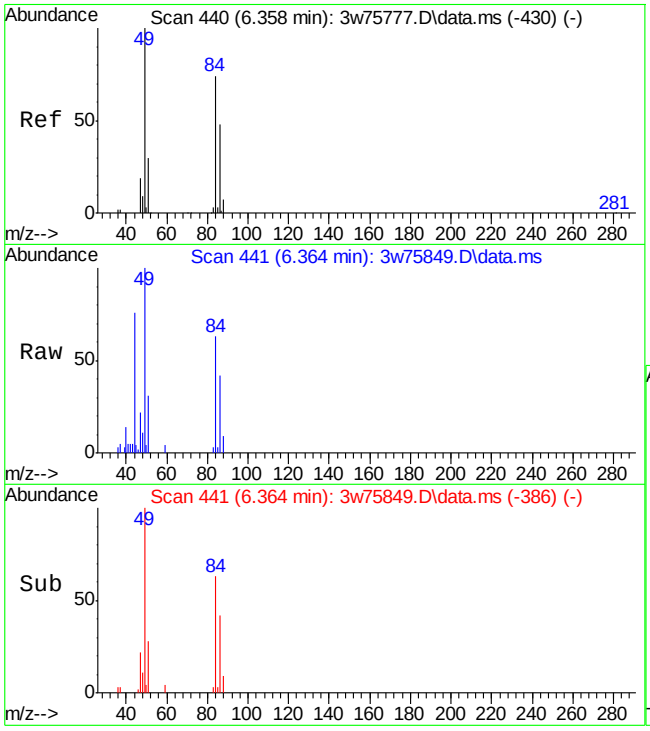


#28
ETHANOL
Concen: 119.71 PPBV
RT: 5.287 min Scan# 264
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 45 Resp: 887769

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.9	54.9
42	10.0	0.0	30.1

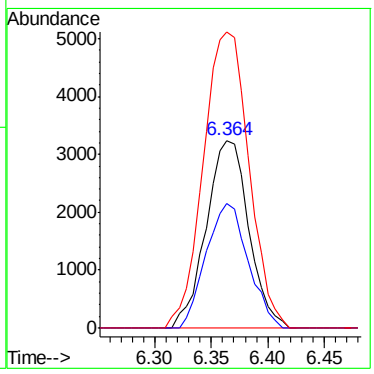


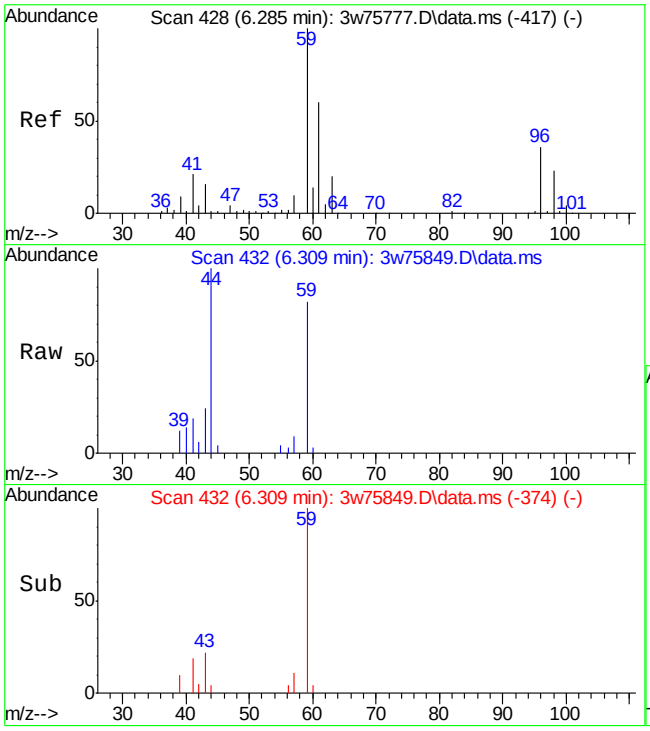


#31
METHYLENE CHLORIDE
Concen: 0.48 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 84 Resp: 8462

Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.6	85.6
49	169.2	0.0	337.9

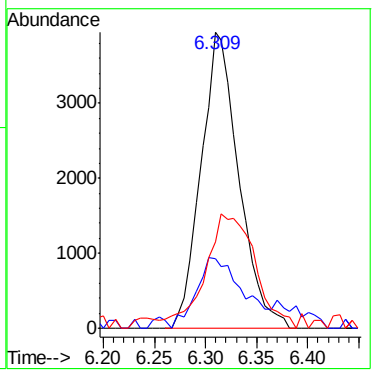


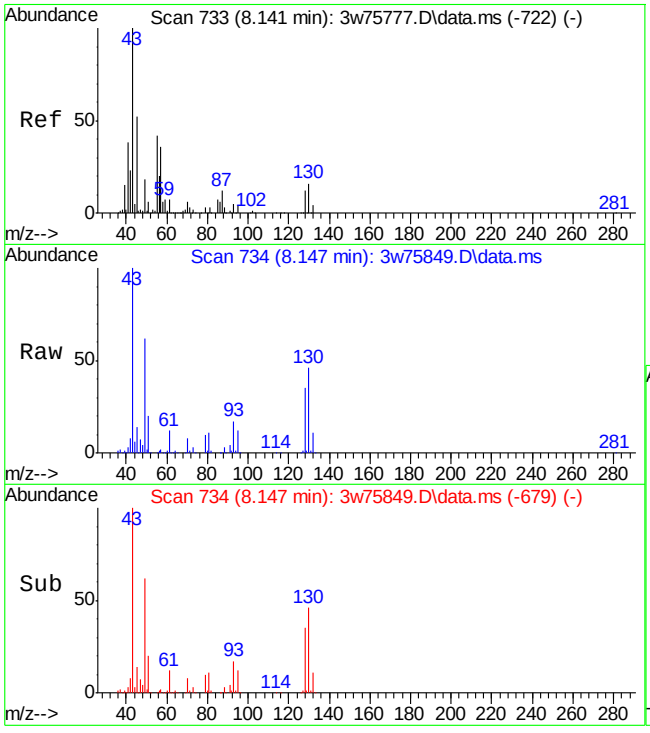


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.27 PPBV
RT: 6.309 min Scan# 432
Delta R.T. 0.024 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 59 Resp: 10136

Ion	Ratio	Lower	Upper
59	100		
41	36.4	2.3	42.3
43	51.1	0.0	35.9#

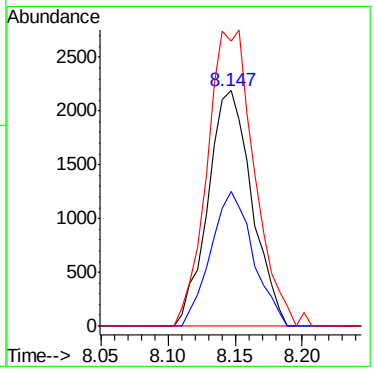


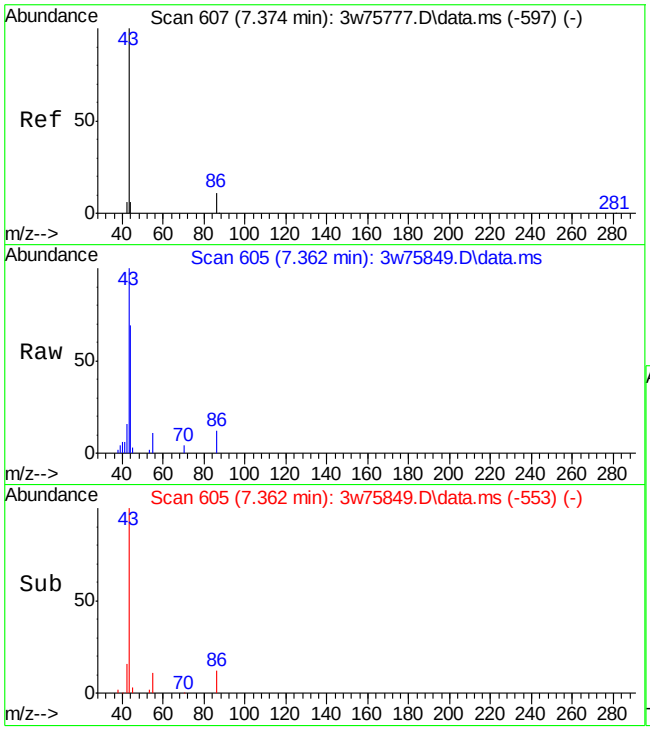


#38
HEXANE
Concen: 0.18 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 57 Resp: 4994

Ion	Ratio	Lower	Upper
57	100		
56	55.2	34.6	74.6
41	135.3	107.4	147.4

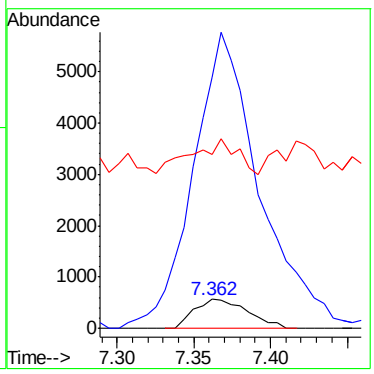


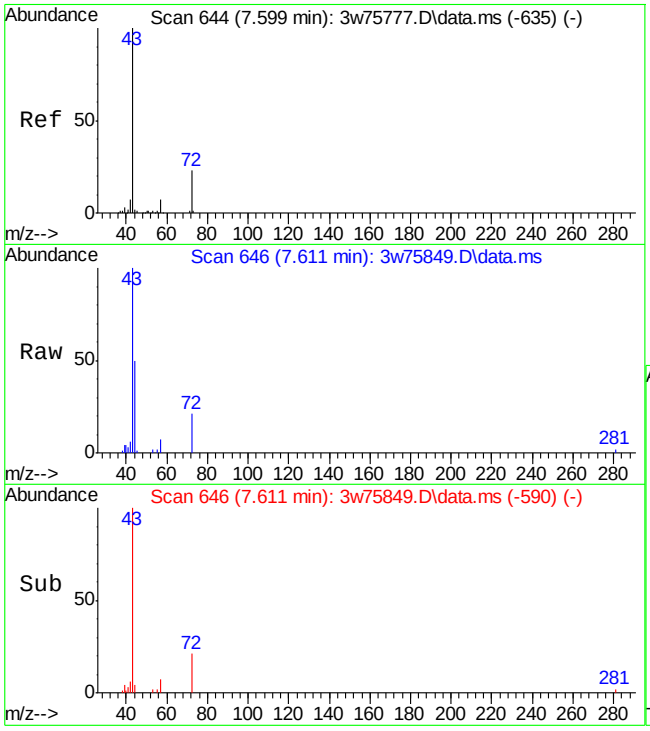


#39
VINYL ACETATE
Concen: 0.44 PPBV
RT: 7.362 min Scan# 605
Delta R.T. -0.012 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 86 Resp: 1376

Ion	Ratio	Lower	Upper
86	100		
43	1267.5	1267.8	1307.8#
44	103.3	43.5	83.5#

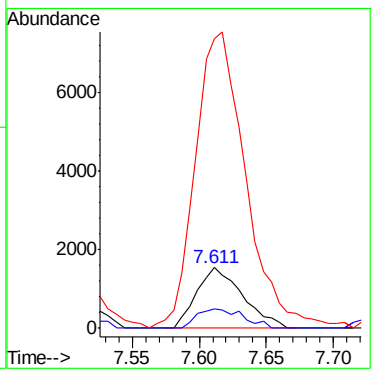


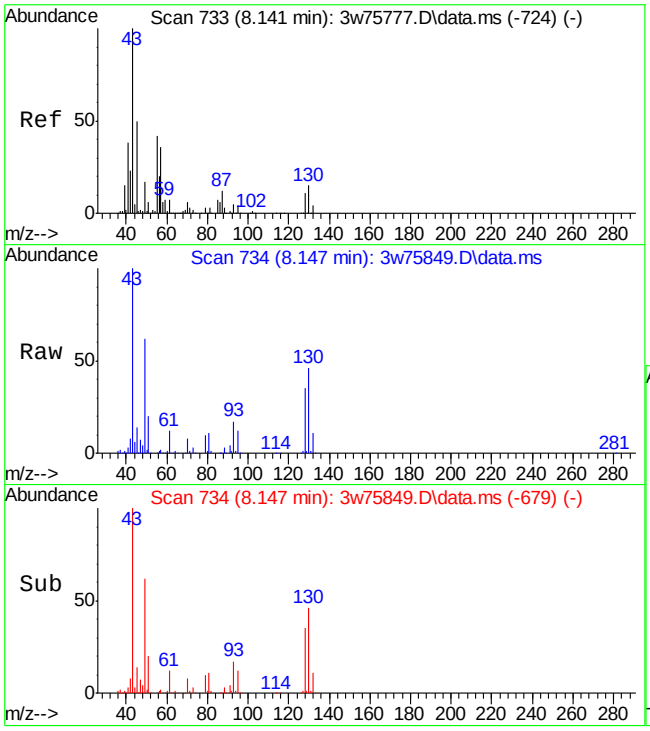


#41
METHYL ETHYL KETONE
Concen: 0.41 PPBV
RT: 7.611 min Scan# 646
Delta R.T. 0.012 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 72 Resp: 3660

Ion	Ratio	Lower	Upper
72	100		
57	32.1	11.7	51.7
43	480.7	409.1	449.1#

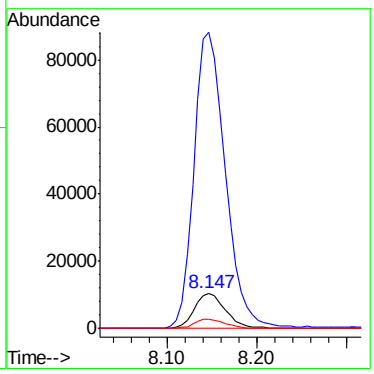


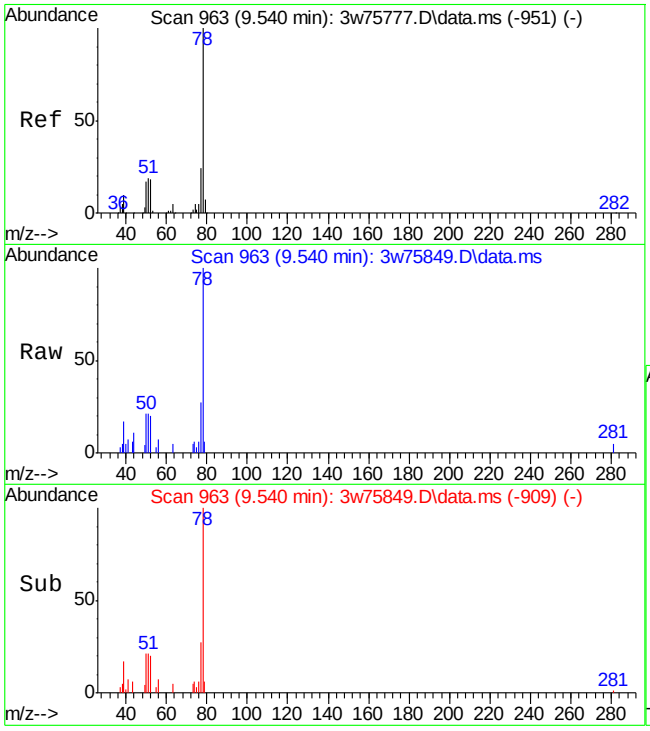


#44
ETHYL ACETATE
Concen: 4.24 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 61 Resp: 24946

Ion	Ratio	Lower	Upper
61	100		
43	874.1	1591.1	1631.1#
88	25.1	23.8	63.8

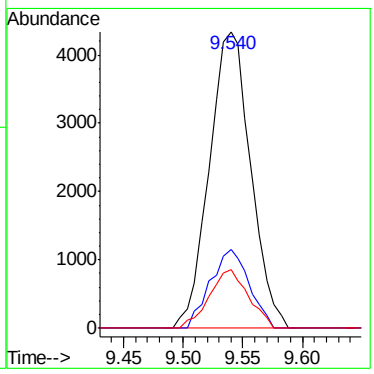


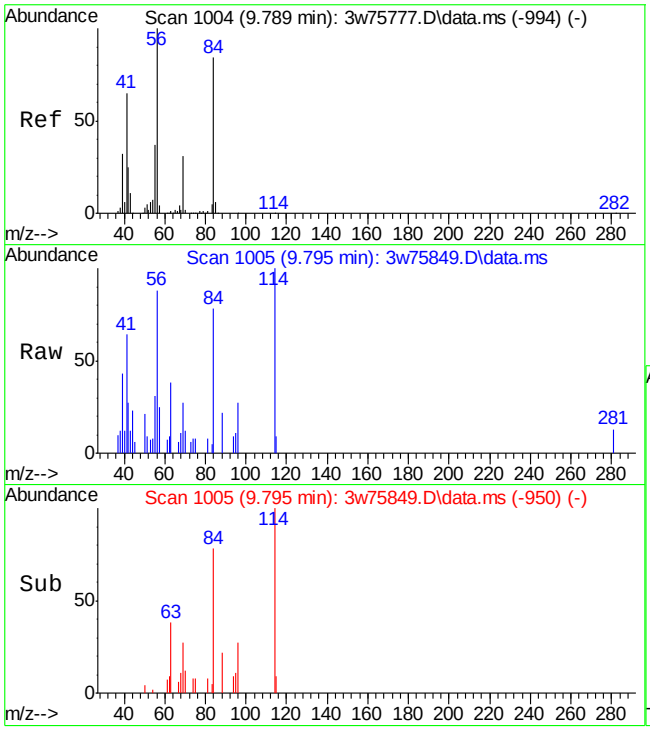


#52
BENZENE
Concen: 0.19 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 78 Resp: 10526

Ion	Ratio	Lower	Upper
78	100		
77	24.8	3.4	43.4
52	18.6	0.0	37.0

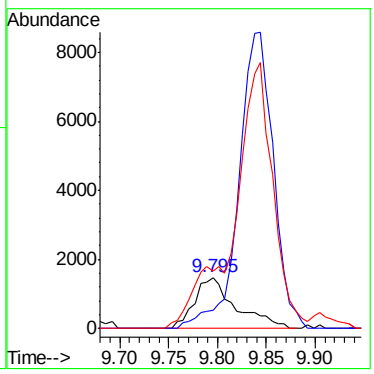


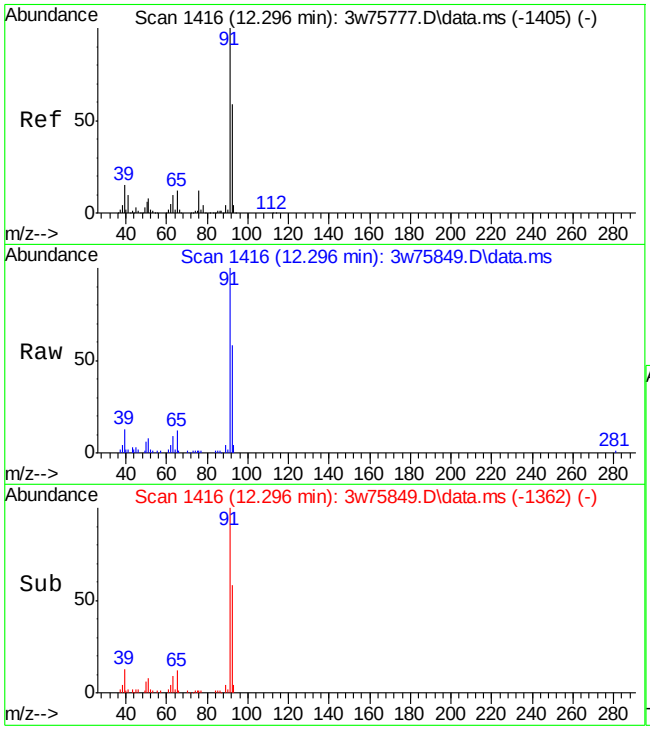


#53
CYCLOHEXANE
Concen: 0.17 PPBV
RT: 9.795 min Scan# 1005
Delta R.T. 0.006 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 84 Resp: 4304

Ion	Ratio	Lower	Upper
84	100		
69	0.0	24.9	64.9#
56	97.4	103.9	143.9#

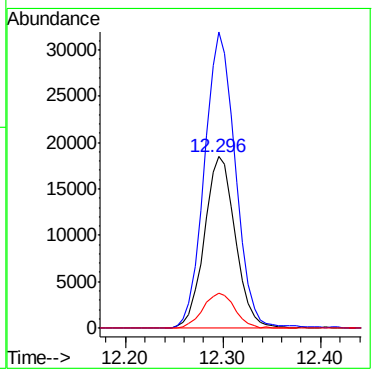


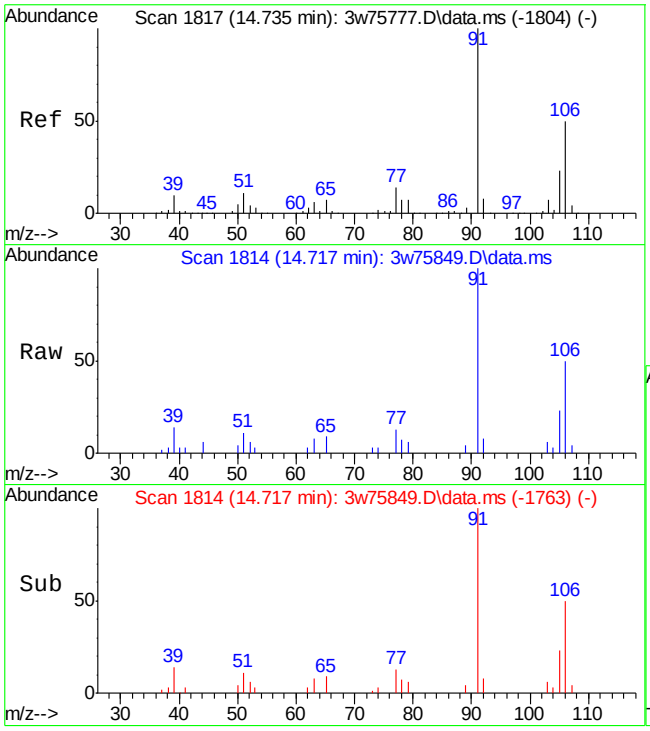


#66
TOLUENE
Concen: 1.00 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion: 92 Resp: 40333

Ion	Ratio	Lower	Upper
92	100		
91	173.4	150.3	190.3
65	20.8	2.5	42.5

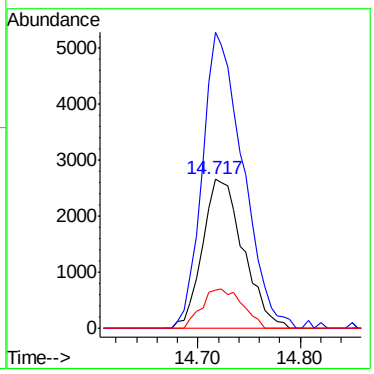




#80
m,p-XYLENE
Concen: 0.23 PPBV
RT: 14.717 min Scan# 1814
Delta R.T. -0.018 min
Lab File: 3w75849.D
Acq: 26 Apr 2022 5:36 pm

Tgt Ion:106 Resp: 7413

Ion	Ratio	Lower	Upper
106	100		
91	198.1	181.0	221.0
77	25.9	7.1	47.1



Manual Integration Approval Summary

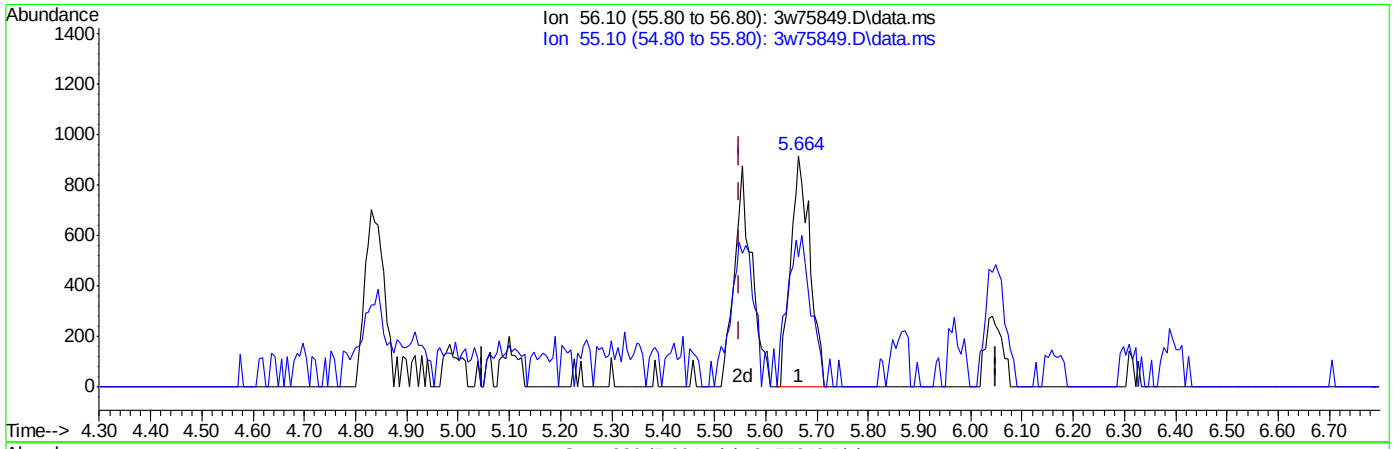
Sample Number:	JD42150-1	**Method:**	TO-15
Lab FileID:	3W75849.D	**Analyst approved:**	04/29/22 14:02 Benjamin Kim
Injection Time:	04/26/22 17:36	**Supervisor approved:**	04/29/22 14:17 Kanya Veerawat

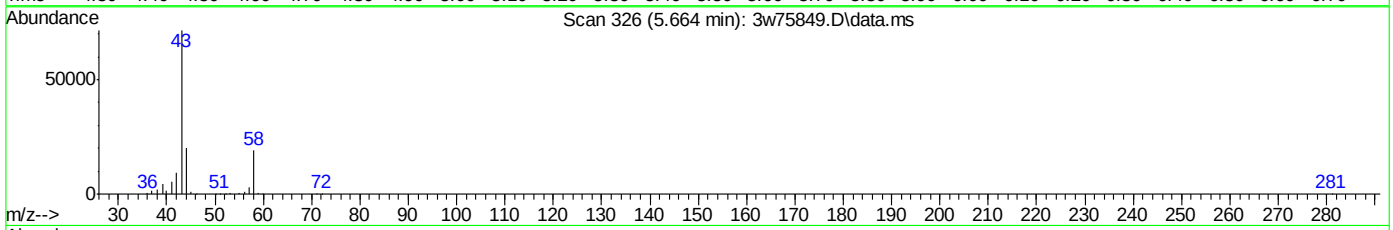
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acrolein	107-02-8		5.55	Missed peak

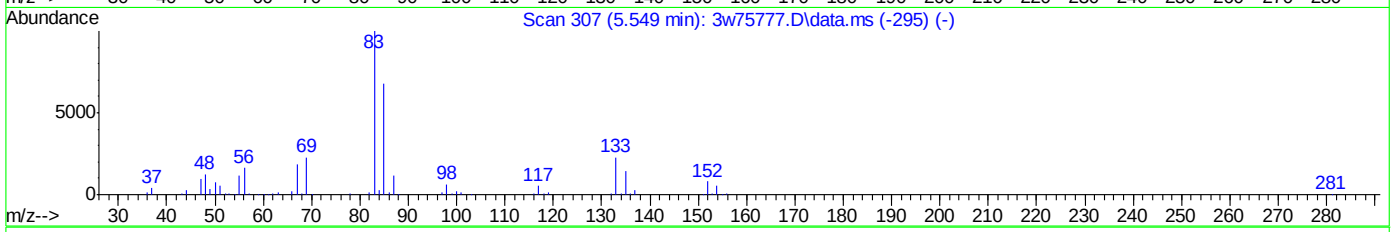
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75849.D
Acq On : 26 Apr 2022 5:36 pm
Operator : thomash
Sample : jd42150-1
Misc : MS57846,V3W2984,592,,,,1.48
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 11:39:28 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration







TIC: 3w75849.D\data.ms

(18) ACROLEIN

5.664min (+0.115) 0.40PPBV

response 2408

Ion	Exp%	Act%
56.10	100	100
55.10	68.80	78.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75850.D
Acq On : 26 Apr 2022 6:28 pm
Operator : thomash
Sample : jd42150-2
Misc : MS57846,V3W2984,740,,,,1.85
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 12:03:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

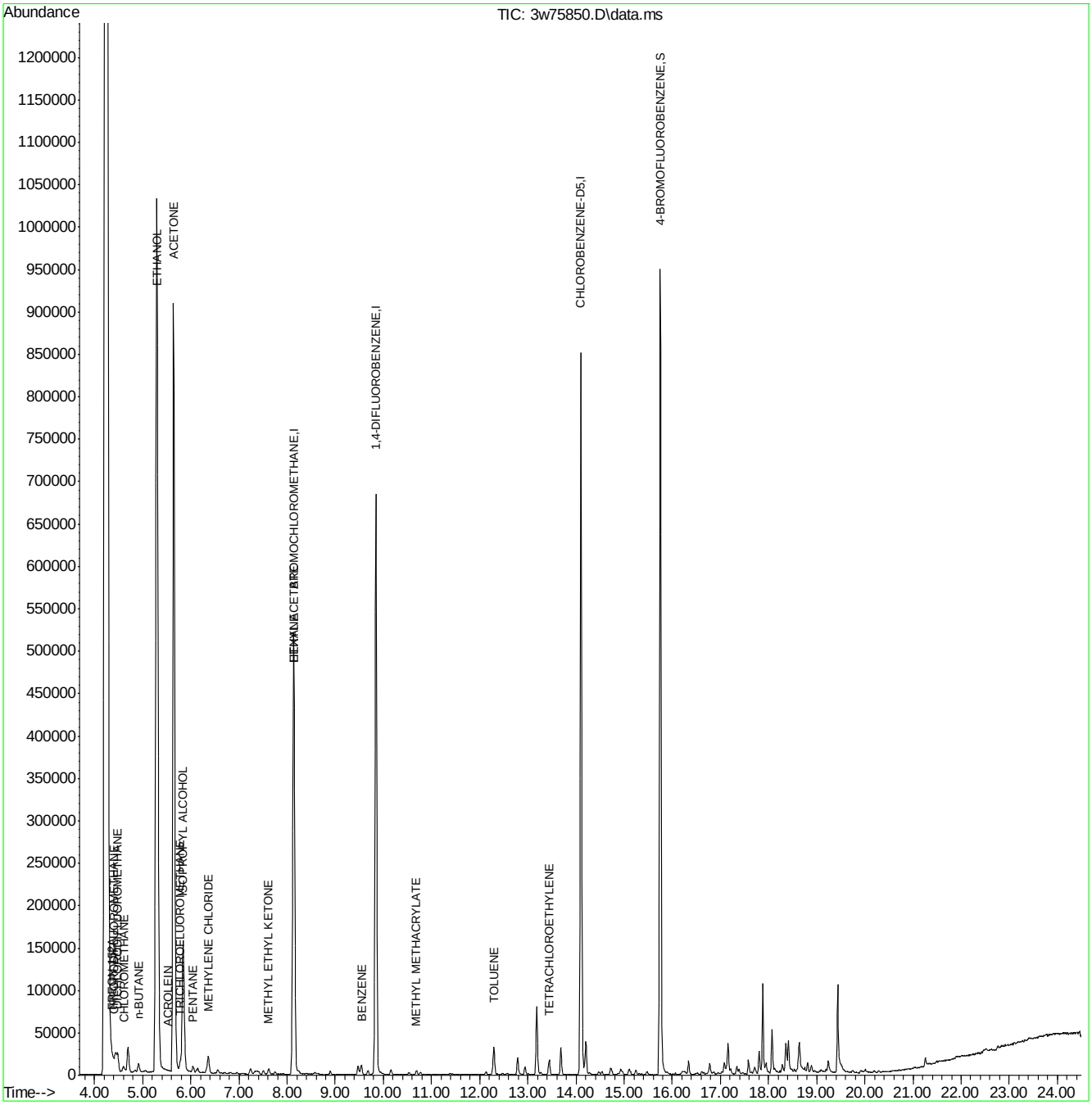
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.134	128	129916	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	650091	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	329041	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	387795	11.09	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.90%				
Target Compounds							Qvalue
3) FREON 152A	4.369	65	1287	0.12	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.399	67	1611	0.28	PPBV		95
6) DICHLORODIFLUOROMETHANE	4.478	85	25535	0.43	PPBV		98
10) CHLOROMETHANE	4.606	52	2931	0.59	PPBV	#	84
13) n-BUTANE	4.910	43	12605	0.50	PPBV	#	91
18) ACROLEIN	5.537	56	727	0.13	PPBV	#	69
21) TRICHLOROFLUOROMETHANE	5.786	101	12451	0.24	PPBV		99
22) ISOPROPYL ALCOHOL	5.841	45	278810	7.76	PPBV		98
23) ACETONE	5.640	58	400167	45.62	PPBV	#	89
24) PENTANE	6.042	42	3955	0.20	PPBV		95
28) ETHANOL	5.293	45	1834390	255.11	PPBV		99
31) METHYLENE CHLORIDE	6.364	84	11048	0.64	PPBV		86
38) HEXANE	8.147	57	5769	0.21	PPBV		90
41) METHYL ETHYL KETONE	7.617	72	2325	0.27	PPBV		95
44) ETHYL ACETATE	8.147	61	34738	6.09	PPBV	#	1
52) BENZENE	9.546	78	11435	0.21	PPBV		98
63) METHYL METHACRYLATE	10.683	69	1909	0.10	PPBV	#	70
66) TOLUENE	12.296	92	15515	0.40	PPBV		94
73) TETRACHLOROETHYLENE	13.445	164	4948	0.16	PPBV		96

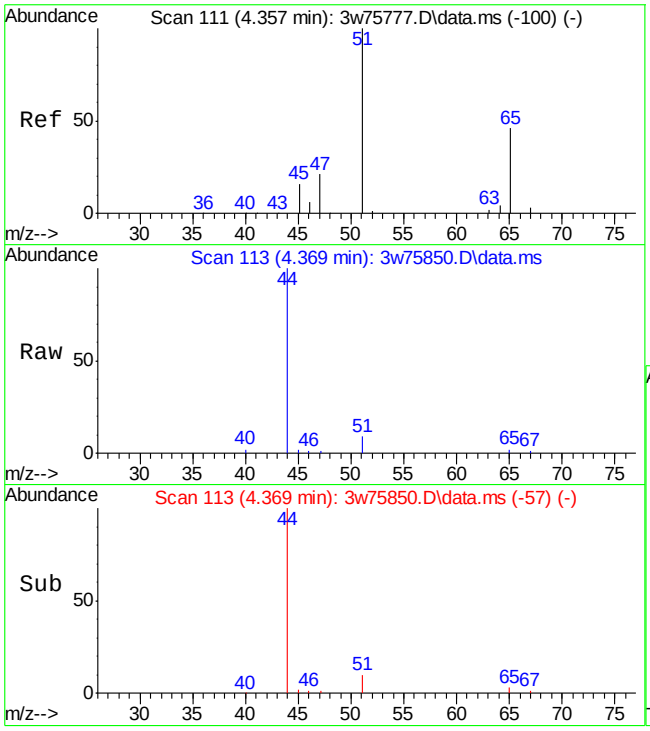
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75850.D
Acq On : 26 Apr 2022 6:28 pm
Operator : thomash
Sample : jd42150-2
Misc : MS57846,V3W2984,740,,,,1.85
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 12:03:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

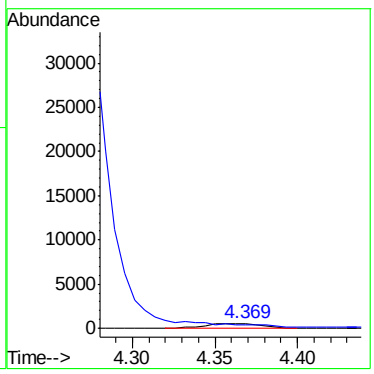


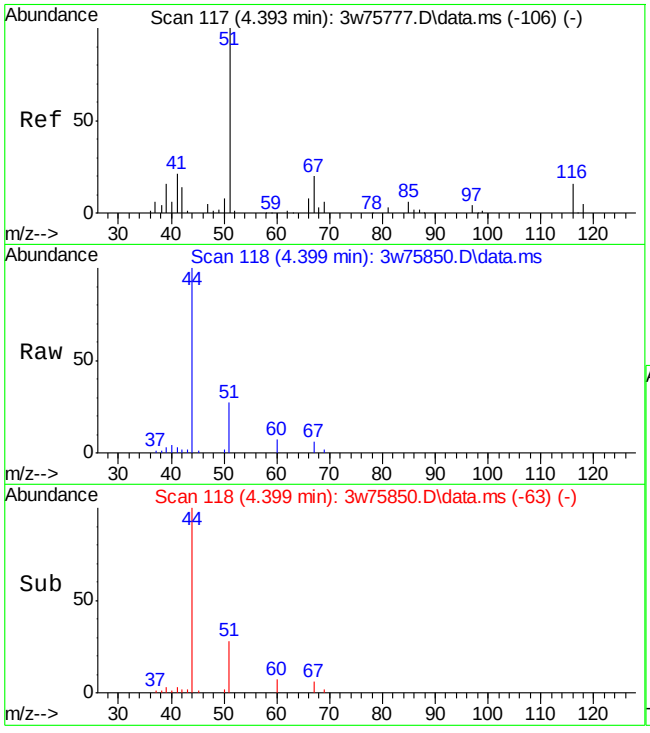


#3
FREON 152A
Concen: 0.12 PPBV
RT: 4.369 min Scan# 113
Delta R.T. 0.012 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 65 Resp: 1287

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

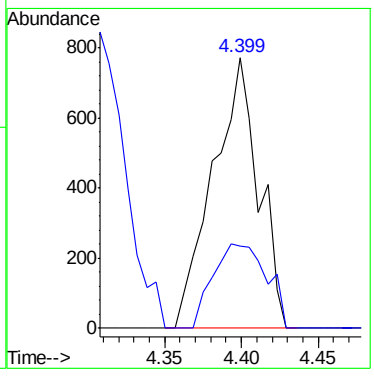


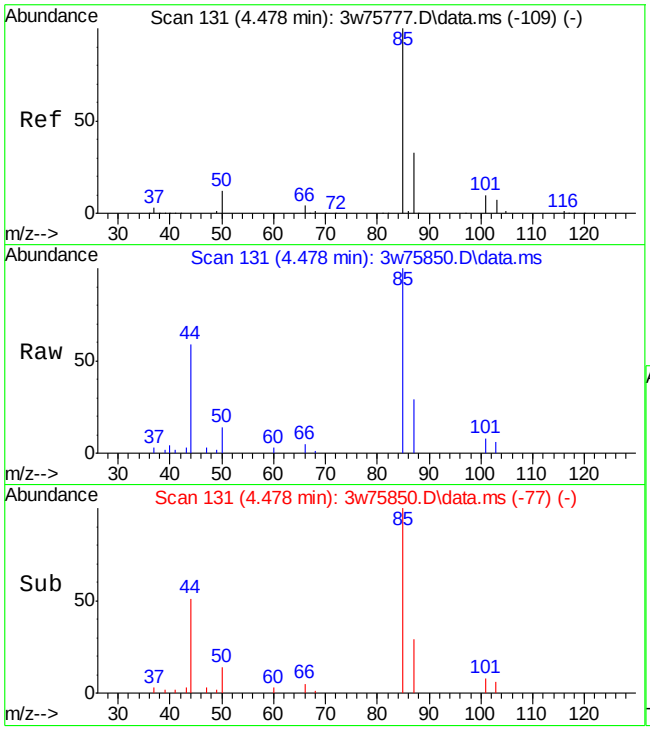


#4
CHLORODIFLUOROMETHANE
Concen: 0.28 PPBV
RT: 4.399 min Scan# 118
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 67 Resp: 1611

Ion	Ratio	Lower	Upper
67	100		
69	30.3	13.0	53.0

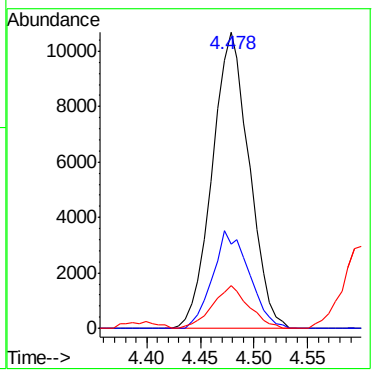


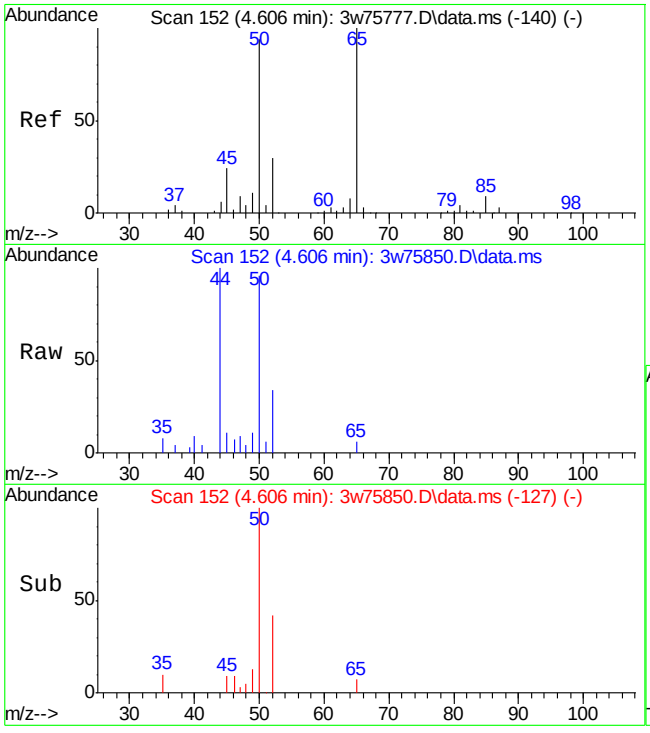


#6
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 4.478 min Scan# 131
Delta R.T. 0.000 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 85 Resp: 25535

Ion	Ratio	Lower	Upper
85	100		
87	32.5	12.5	52.5
50	14.1	0.0	30.4

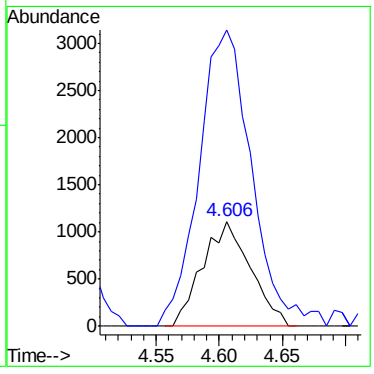


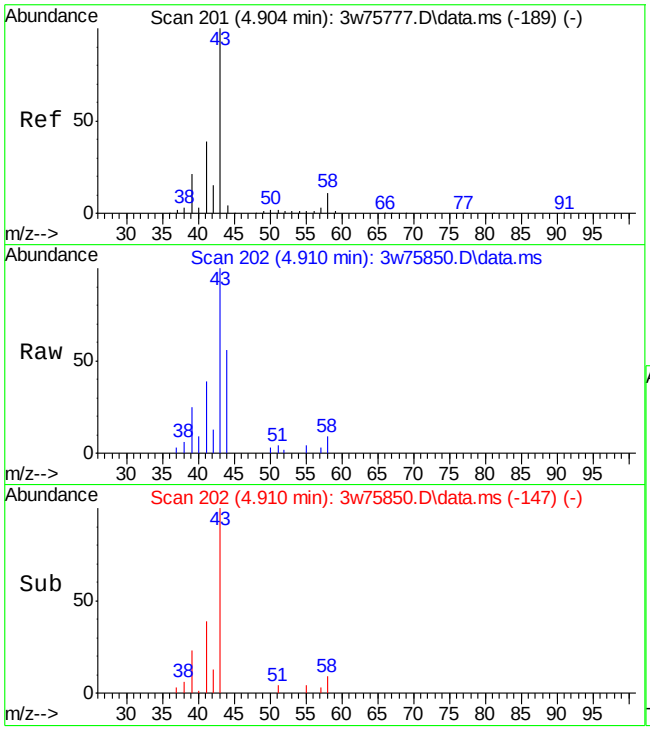


#10
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 4.606 min Scan# 152
Delta R.T. -0.000 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 52 Resp: 2931

Ion	Ratio	Lower	Upper
52	100		
50	264.8	276.8	316.8#

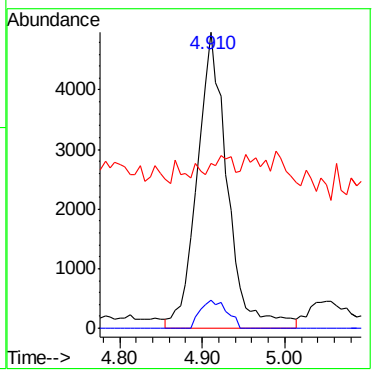


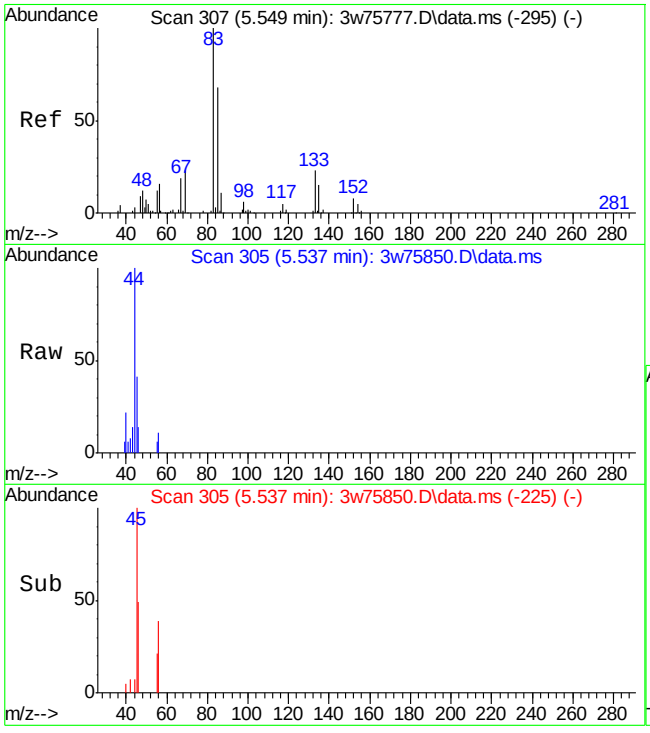


#13
n-BUTANE
Concen: 0.50 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 43 Resp: 12605

Ion	Ratio	Lower	Upper
43	100		
58	8.4	0.0	31.2
44	0.0	0.0	24.6

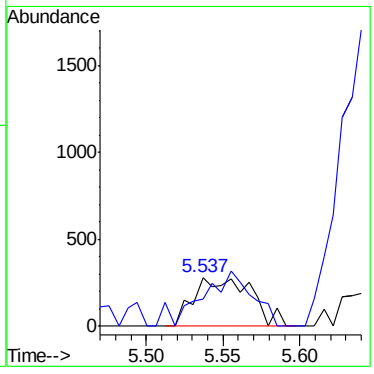


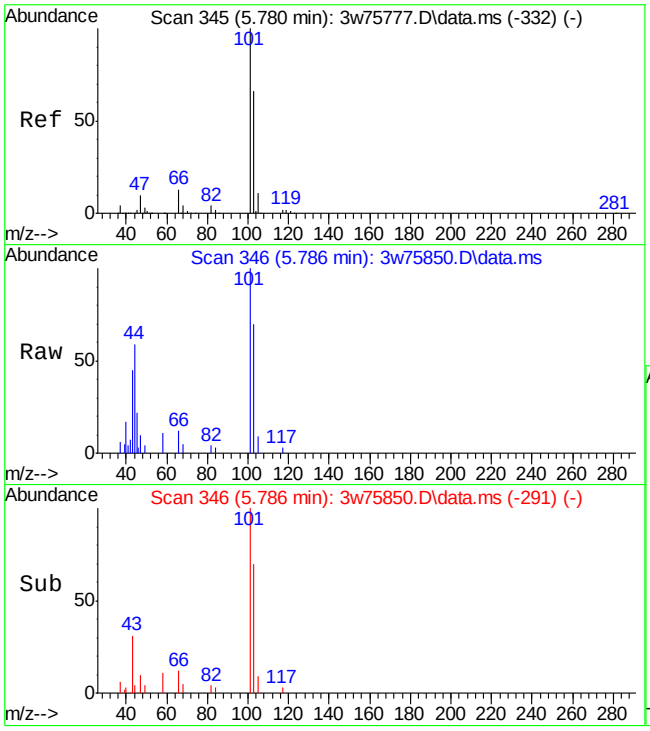


#18
ACROLEIN
Concen: 0.13 PPBV
RT: 5.537 min Scan# 305
Delta R.T. -0.012 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 56 Resp: 727

Ion	Ratio	Lower	Upper
56	100		
55	94.2	55.0	82.6#

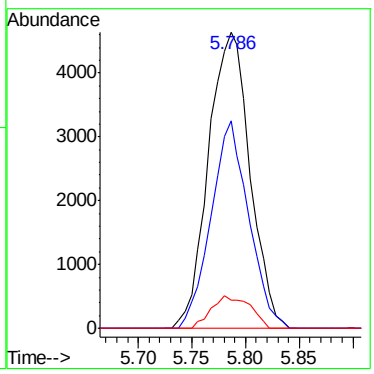


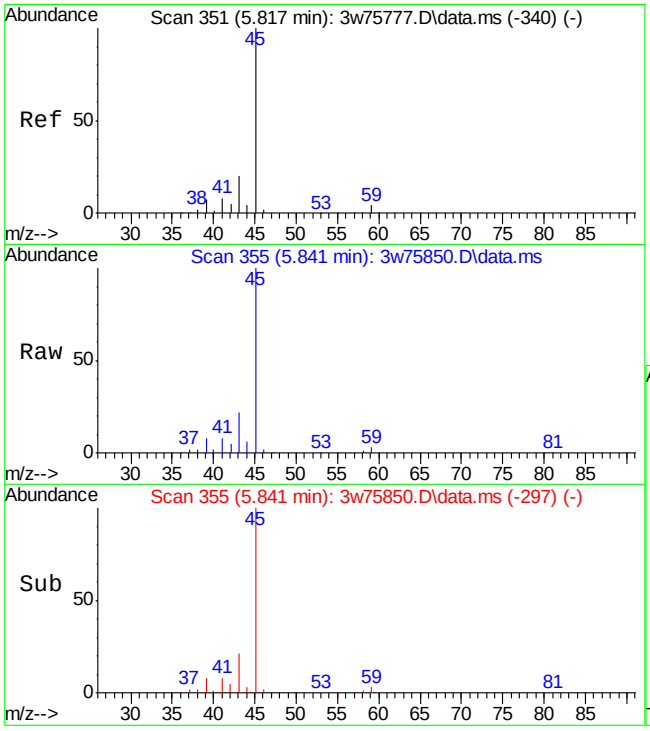


#21
TRICHLOROFLUOROMETHANE
Concen: 0.24 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion:101 Resp: 12451

Ion	Ratio	Lower	Upper
101	100		
103	63.8	44.8	84.8
105	10.3	0.0	30.5

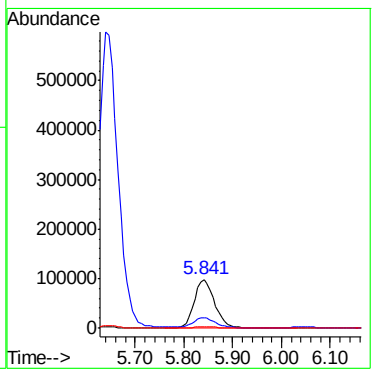


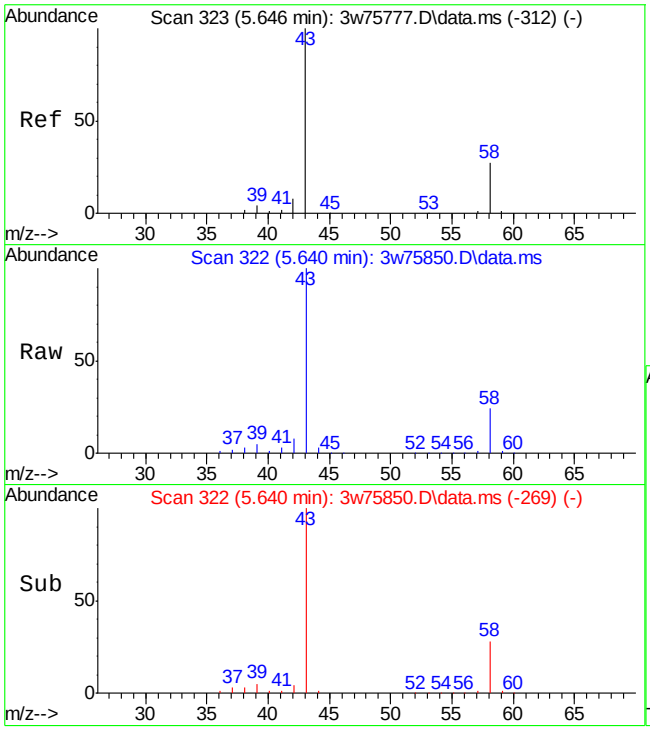


#22
ISOPROPYL ALCOHOL
Concen: 7.76 PPBV
RT: 5.841 min Scan# 355
Delta R.T. 0.024 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 45 Resp: 278810

Ion	Ratio	Lower	Upper
45	100		
43	21.7	0.7	40.7
59	3.1	0.0	23.6

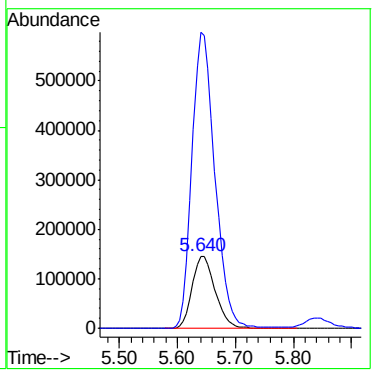


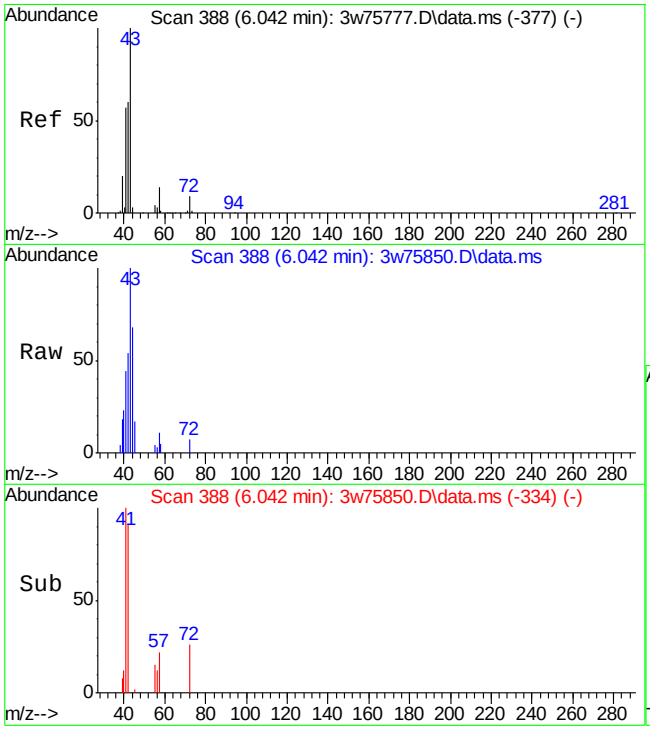


#23
ACETONE
Concen: 45.62 PPBV
RT: 5.640 min Scan# 322
Delta R.T. -0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 58 Resp: 400167

Ion	Ratio	Lower	Upper
58	100		
43	408.5	362.9	402.9#

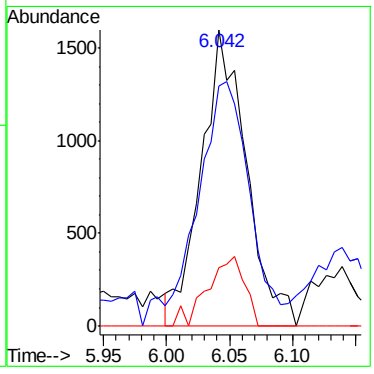


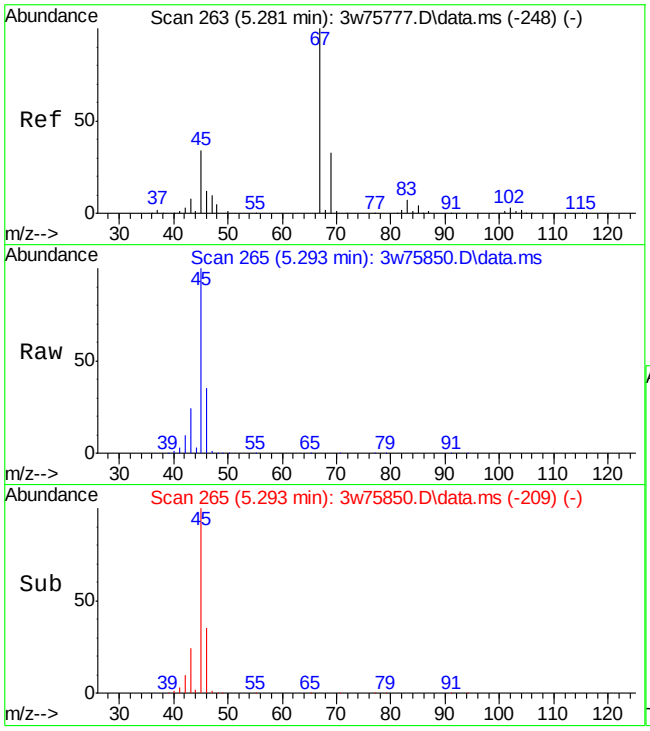


#24
PENTANE
Concen: 0.20 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 42 Resp: 3955

Ion	Ratio	Lower	Upper
42	100		
41	96.4	73.3	113.3
57	19.3	4.4	44.4

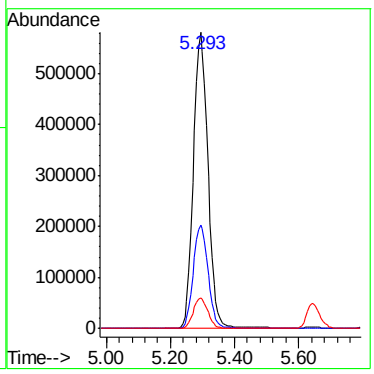


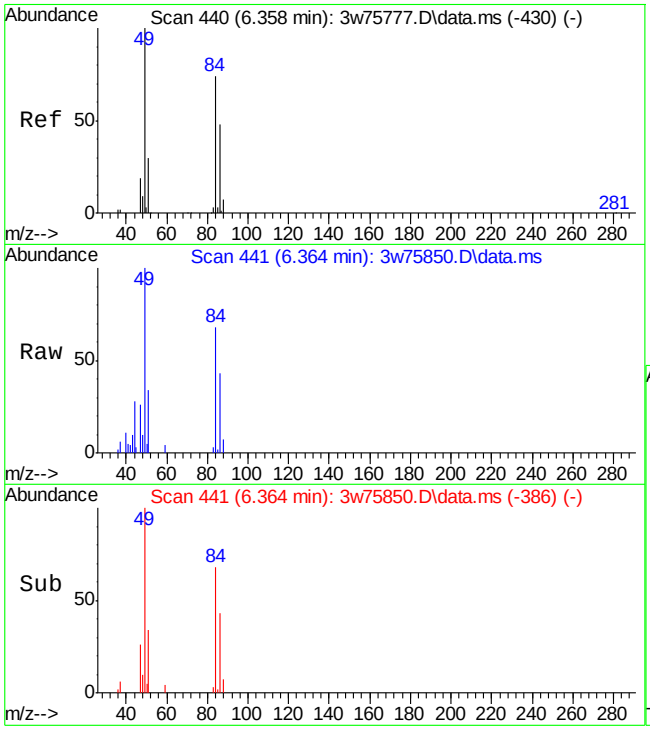


#28
ETHANOL
Concen: 255.11 PPBV
RT: 5.293 min Scan# 265
Delta R.T. 0.012 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 45 Resp: 1834390

Ion	Ratio	Lower	Upper
45	100		
46	35.6	14.9	54.9
42	10.4	0.0	30.1

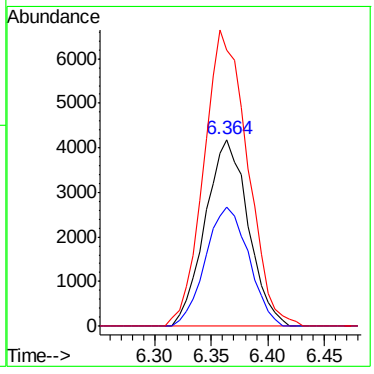


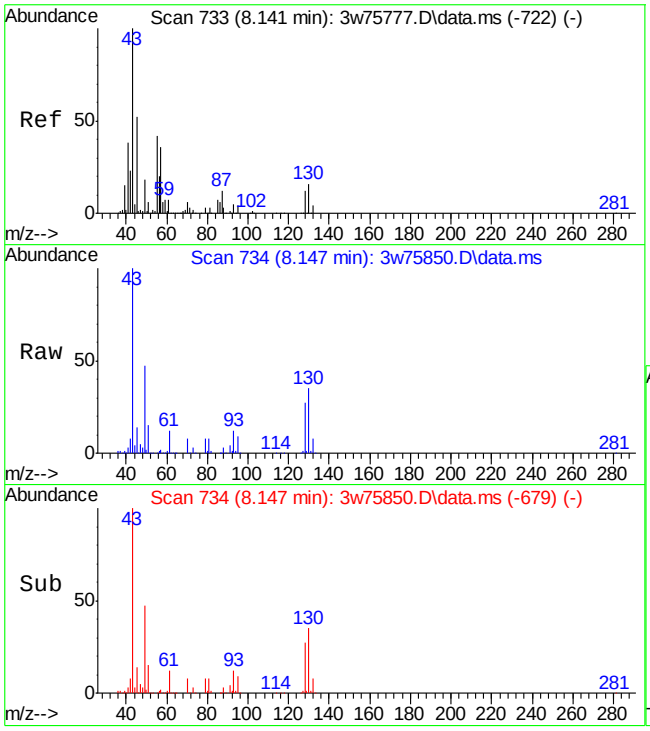


#31
METHYLENE CHLORIDE
Concen: 0.64 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 84 Resp: 11048

Ion	Ratio	Lower	Upper
84	100		
86	63.9	45.6	85.6
49	161.2	0.0	337.9

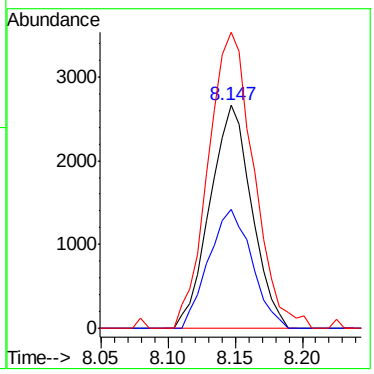


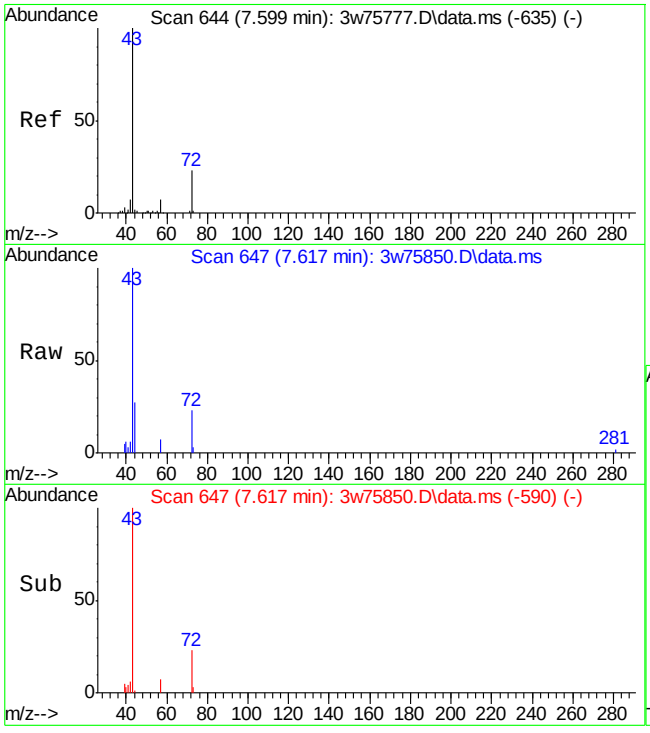


#38
HEXANE
Concen: 0.21 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 57 Resp: 5769

Ion	Ratio	Lower	Upper
57	100		
56	55.0	34.6	74.6
41	144.3	107.4	147.4

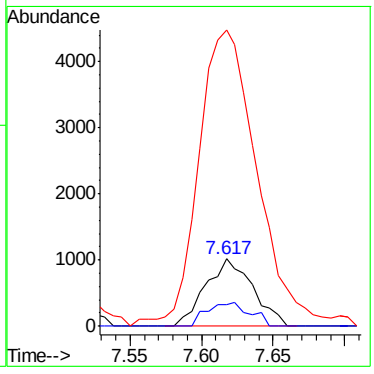


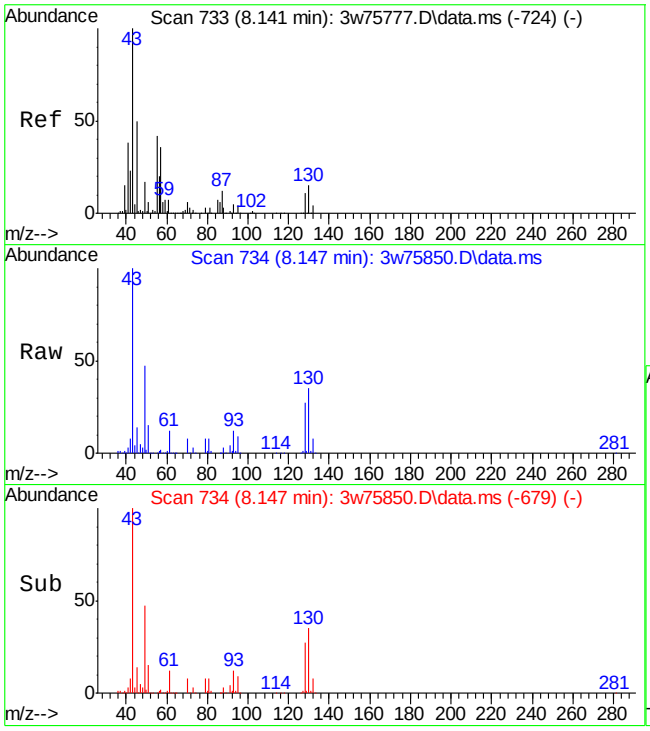


#41
METHYL ETHYL KETONE
Concen: 0.27 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 72 Resp: 2325

Ion	Ratio	Lower	Upper
72	100		
57	31.4	11.7	51.7
43	441.6	409.1	449.1

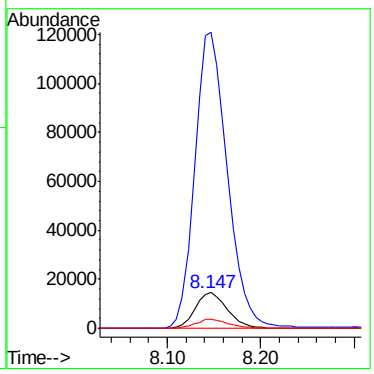


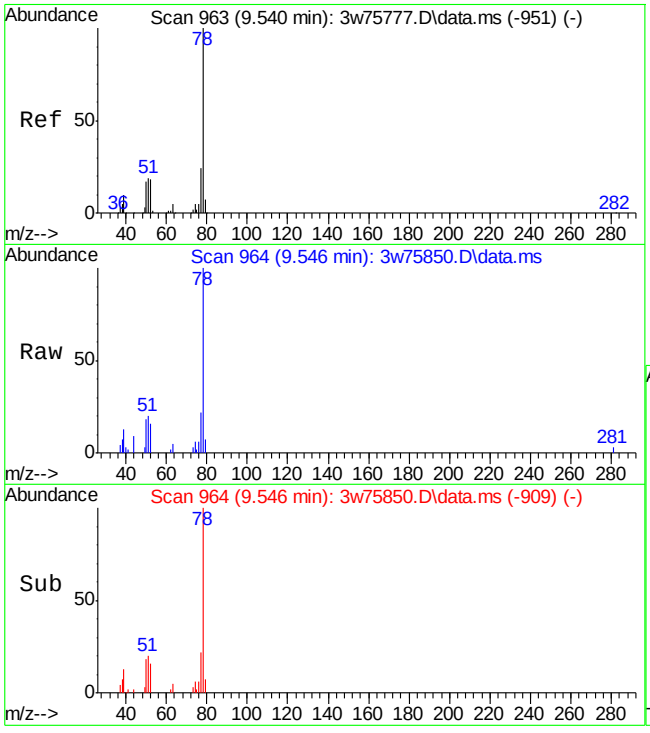


#44
ETHYL ACETATE
Concen: 6.09 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 61 Resp: 34738

Ion	Ratio	Lower	Upper
61	100		
43	858.0	1591.1	1631.1#
88	25.6	23.8	63.8

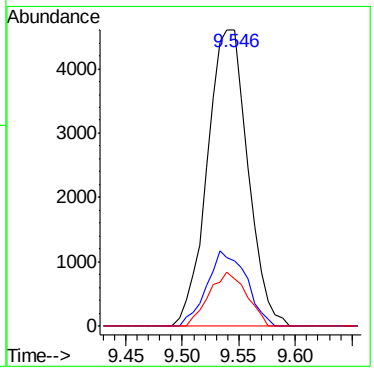


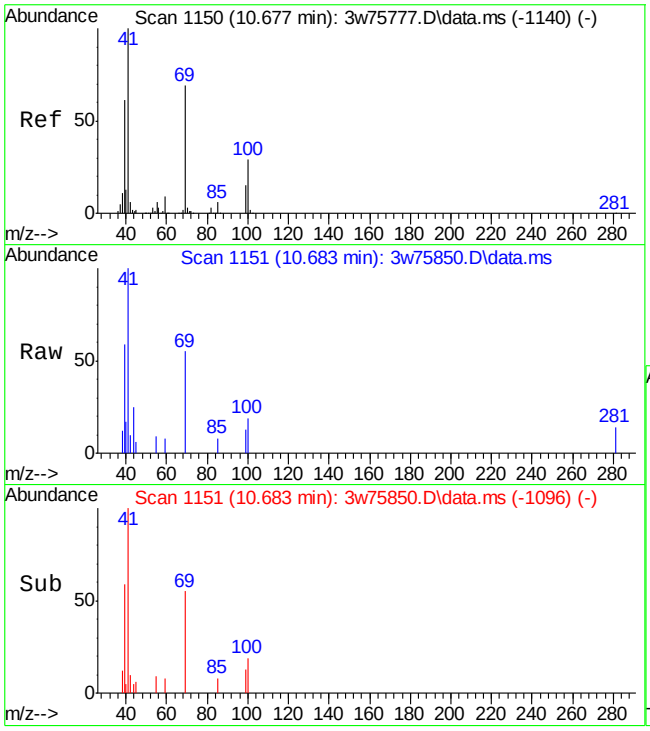


#52
BENZENE
Concen: 0.21 PPBV
RT: 9.546 min Scan# 964
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 78 Resp: 11435

Ion	Ratio	Lower	Upper
78	100		
77	24.7	3.4	43.4
52	16.8	0.0	37.0

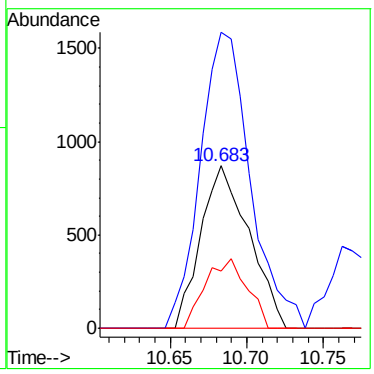


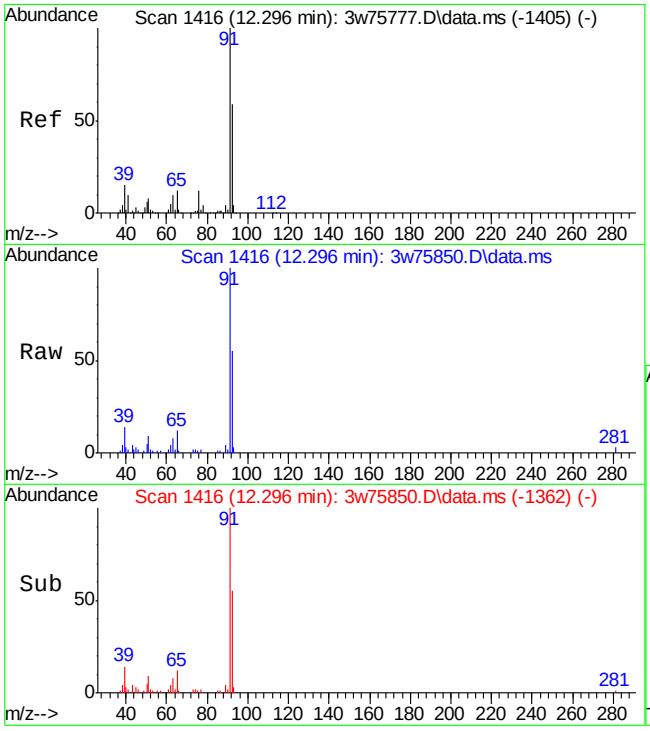


#63
METHYL METHACRYLATE
Concen: 0.10 PPBV
RT: 10.683 min Scan# 1151
Delta R.T. 0.006 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 69 Resp: 1909

Ion	Ratio	Lower	Upper
69	100		
41	189.3	123.3	163.3#
100	37.1	20.8	60.8

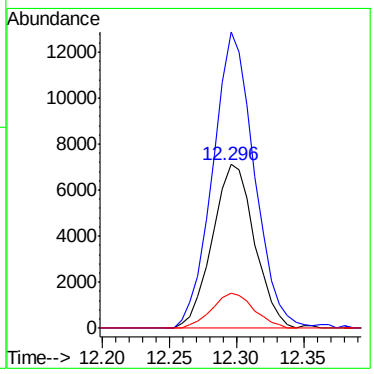


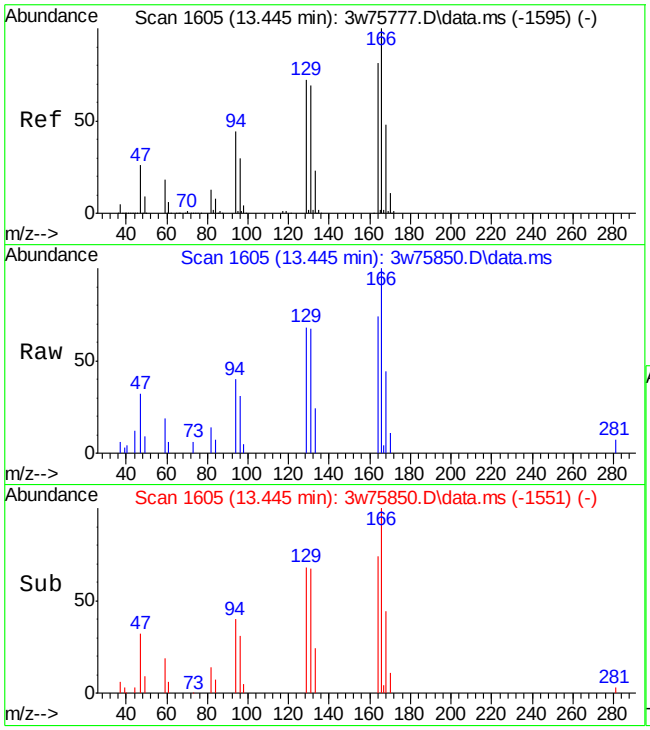


#66
TOLUENE
Concen: 0.40 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion: 92 Resp: 15515

Ion	Ratio	Lower	Upper
92	100		
91	179.6	150.3	190.3
65	21.1	2.5	42.5

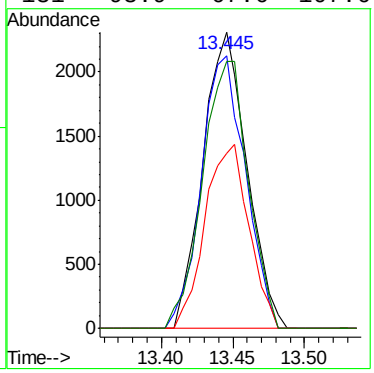




#73
TETRACHLOROETHYLENE
Concen: 0.16 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75850.D
Acq: 26 Apr 2022 6:28 pm

Tgt Ion:164 Resp: 4948

Ion	Ratio	Lower	Upper
164	100		
129	92.3	69.5	109.5
168	61.8	40.9	80.9
131	93.9	67.6	107.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75851.D
Acq On : 26 Apr 2022 7:19 pm
Operator : thomash
Sample : jd42150-3
Misc : MS57846,V3W2984,700,,,,1.75
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 29 12:06:45 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

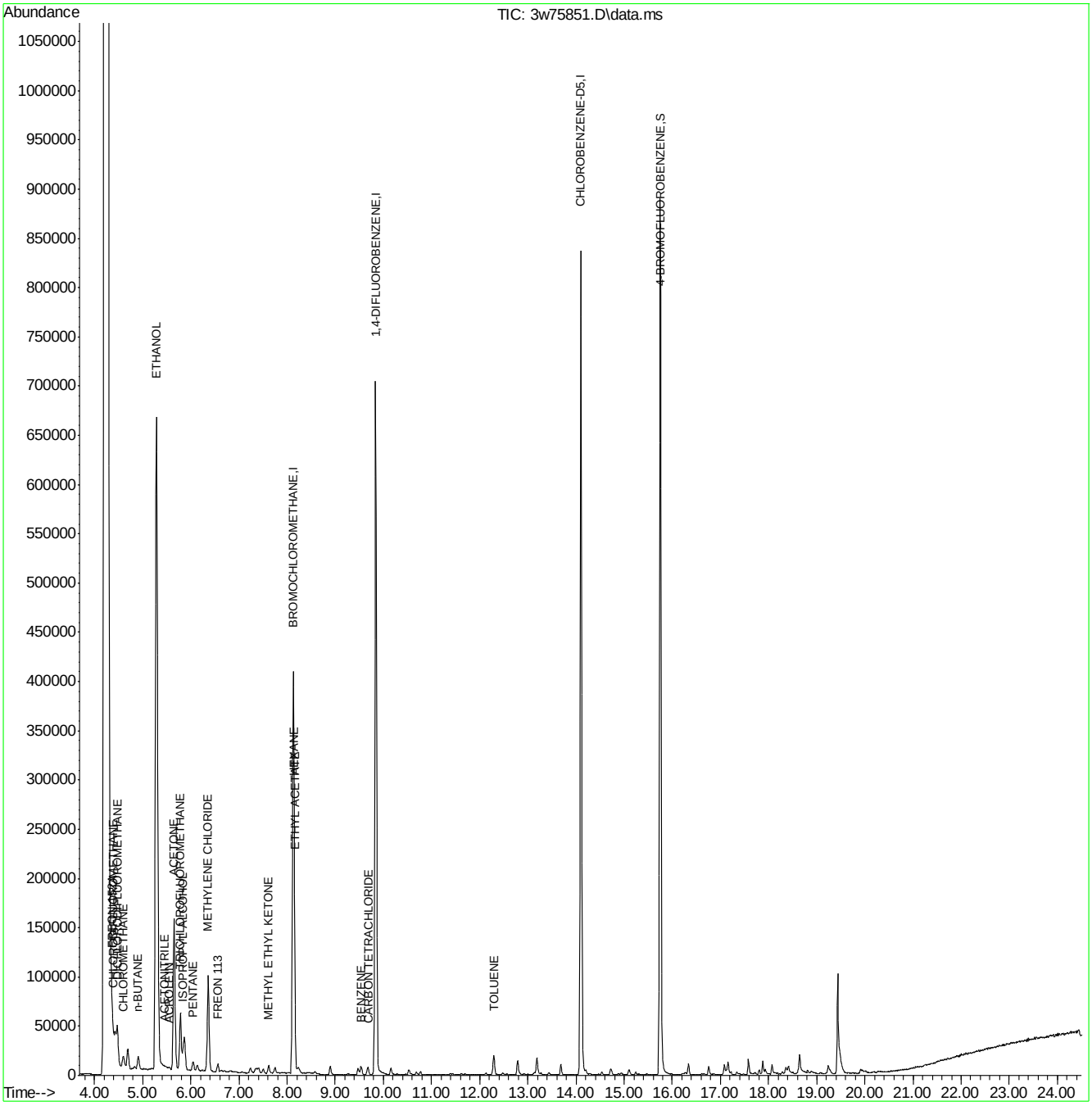
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	130376	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	663920	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	322006	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	367942	10.75	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.50%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	2328	0.22	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.393	67	2598	0.45	PPBV		93
6) DICHLORODIFLUOROMETHANE	4.472	85	44690	0.75	PPBV		98
10) CHLOROMETHANE	4.600	52	4903	0.98	PPBV		99
13) n-BUTANE	4.904	43	15427	0.61	PPBV	#	94
17) ACETONITRILE	5.458	41	2610	0.30	PPBV	#	75
18) ACROLEIN	5.555	56	1034	0.18	PPBV	#	42
21) TRICHLOROFLUOROMETHANE	5.786	101	66507	1.26	PPBV		99
22) ISOPROPYL ALCOHOL	5.841	45	37779	1.05	PPBV		93
23) ACETONE	5.646	58	63913	7.26	PPBV		92
24) PENTANE	6.048	42	5407	0.27	PPBV		97
28) ETHANOL	5.281	45	1176028	162.98	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	54716	3.17	PPBV		87
33) FREON 113	6.559	151	3498	0.11	PPBV		95
38) HEXANE	8.147	57	13534	0.49	PPBV	#	82
41) METHYL ETHYL KETONE	7.617	72	2570	0.30	PPBV	#	74
44) ETHYL ACETATE	8.153	61	4940	0.86	PPBV	#	16
49) CARBON TETRACHLORIDE	9.680	117	6175	0.12	PPBV		98
52) BENZENE	9.534	78	8441	0.15	PPBV		96
66) TOLUENE	12.296	92	9348	0.24	PPBV		95

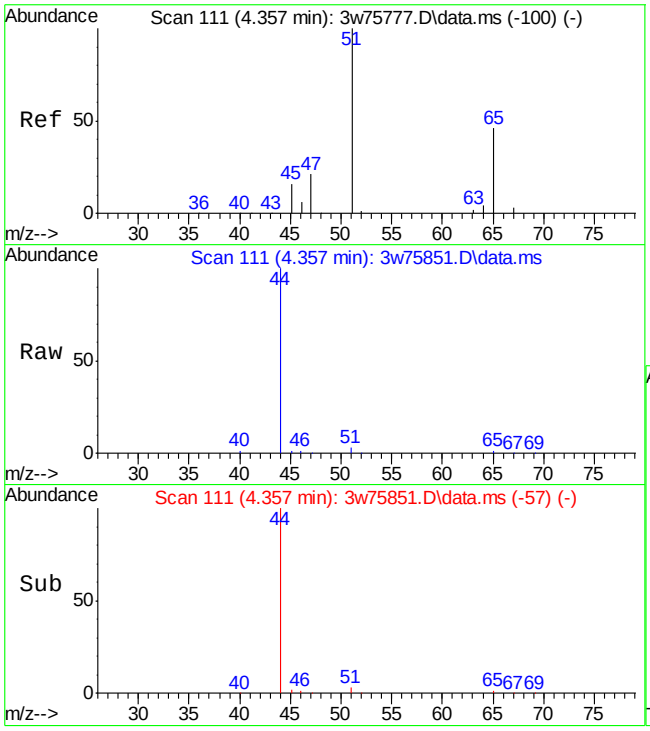
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75851.D
Acq On : 26 Apr 2022 7:19 pm
Operator : thomash
Sample : jd42150-3
Misc : MS57846,V3W2984,700,,,,1.75
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 29 12:06:45 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

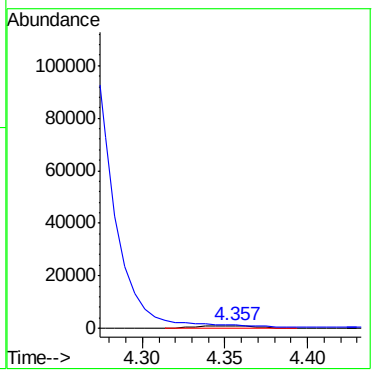


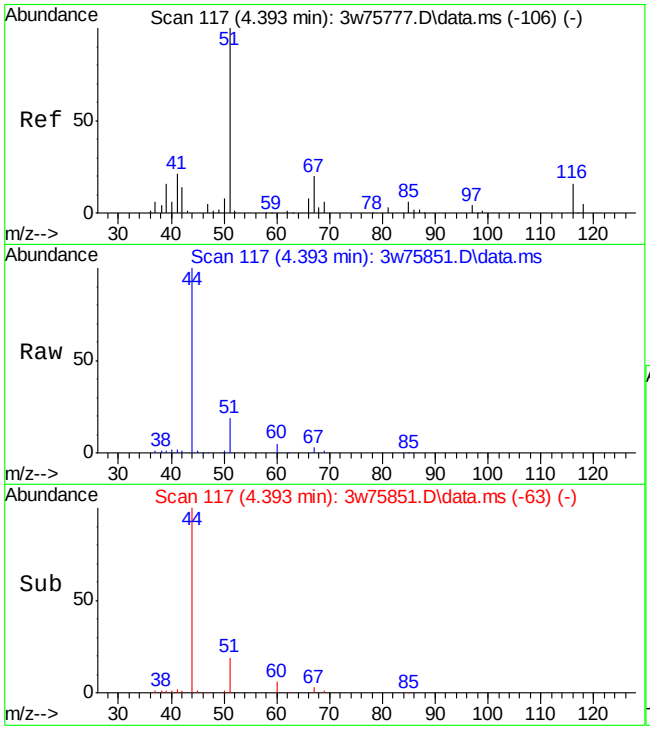


#3
FREON 152A
Concen: 0.22 PPBV
RT: 4.357 min Scan# 111
Delta R.T. -0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 65 Resp: 2328

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

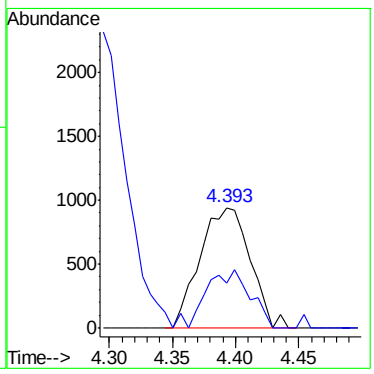


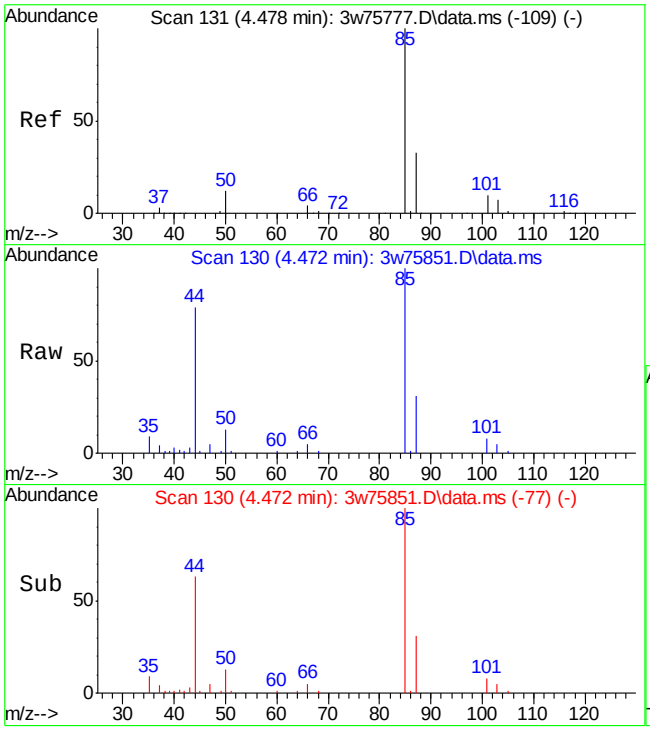


#4
CHLORODIFLUOROMETHANE
Concen: 0.45 PPBV
RT: 4.393 min Scan# 117
Delta R.T. 0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 67 Resp: 2598

Ion	Ratio	Lower	Upper
67	100		
69	37.1	13.0	53.0

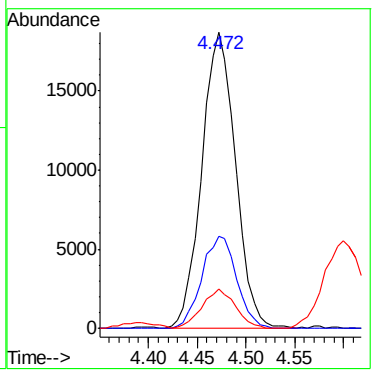


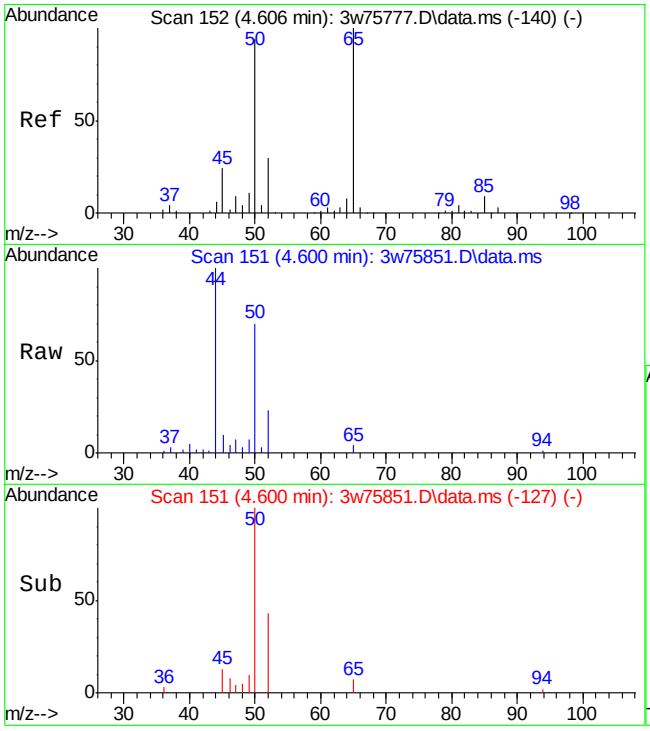


#6
DICHLORODIFLUOROMETHANE
Concen: 0.75 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 85 Resp: 44690

Ion	Ratio	Lower	Upper
85	100		
87	32.1	12.5	52.5
50	13.2	0.0	30.4

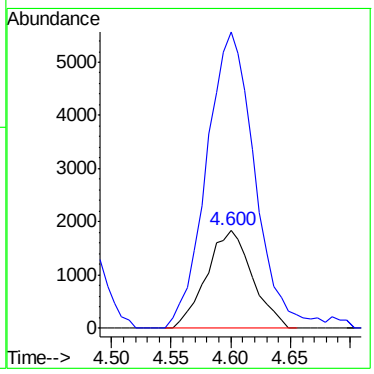


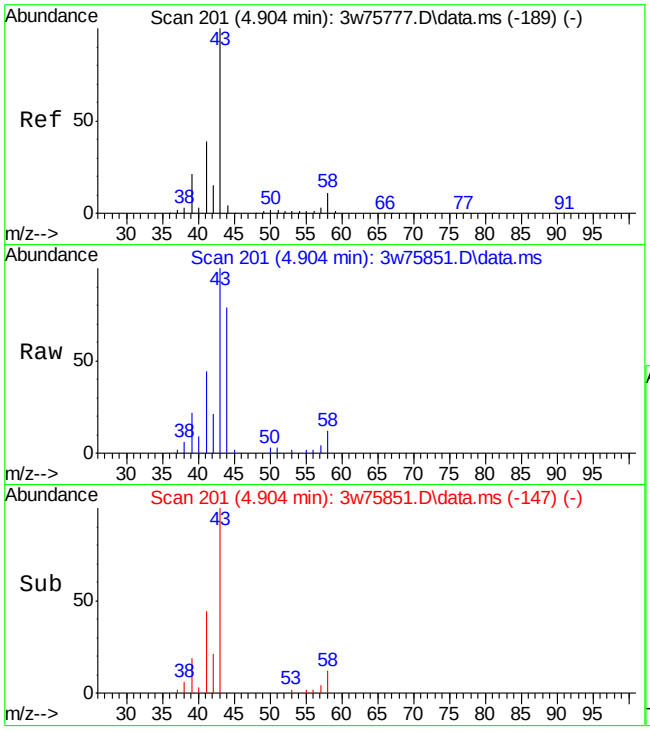


#10
CHLOROMETHANE
Concen: 0.98 PPBV
RT: 4.600 min Scan# 151
Delta R.T. -0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 52 Resp: 4903

Ion	Ratio	Lower	Upper
52	100		
50	295.0	276.8	316.8

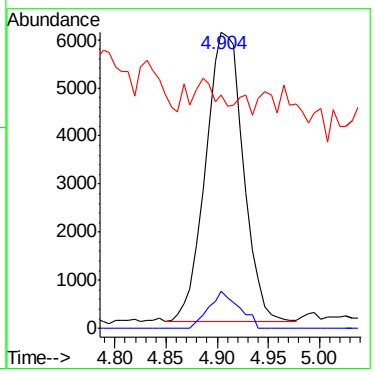


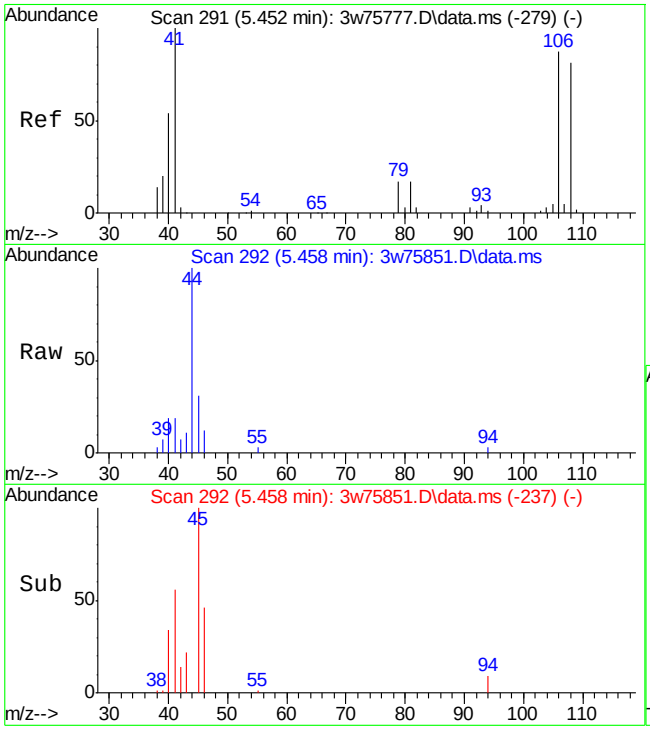


#13
n-BUTANE
Concen: 0.61 PPBV
RT: 4.904 min Scan# 201
Delta R.T. 0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 43 Resp: 15427

Ion	Ratio	Lower	Upper
43	100		
58	10.3	0.0	31.2
44	0.0	0.0	24.6

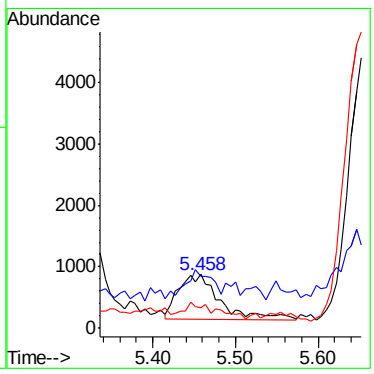


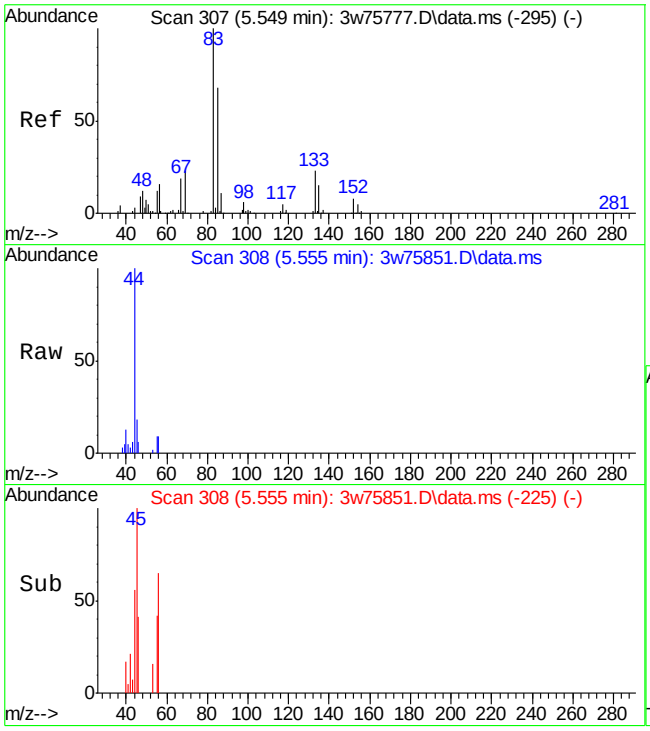


#17
ACETONITRILE
Concen: 0.30 PPBV
RT: 5.458 min Scan# 292
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 41 Resp: 2610

Ion	Ratio	Lower	Upper
41	100		
40	33.1	44.3	66.5#
39	25.1	16.2	24.4#

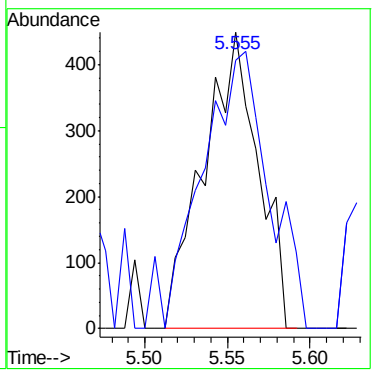


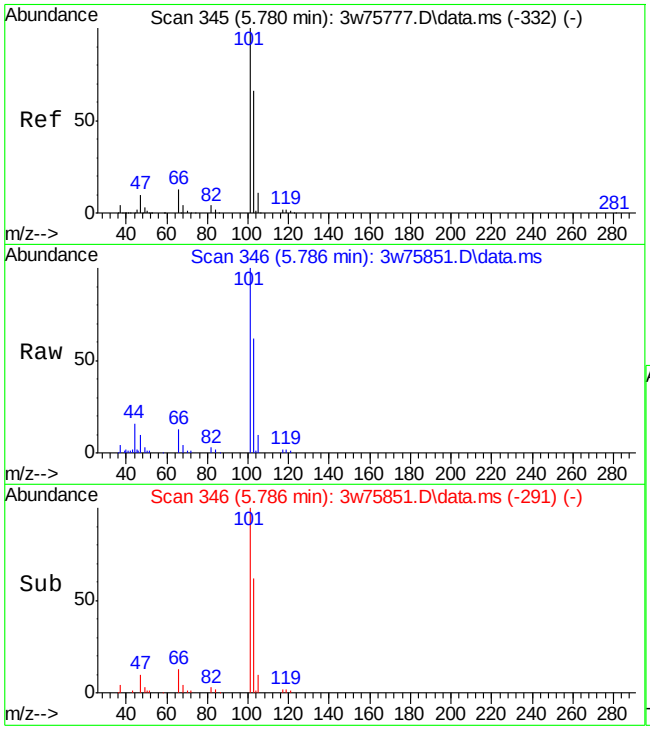


#18
ACROLEIN
Concen: 0.18 PPBV
RT: 5.555 min Scan# 308
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 56 Resp: 1034

Ion	Ratio	Lower	Upper
56	100		
55	115.8	55.0	82.6#

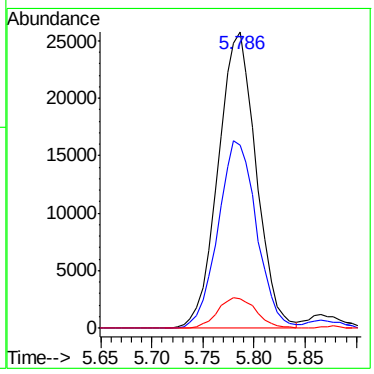


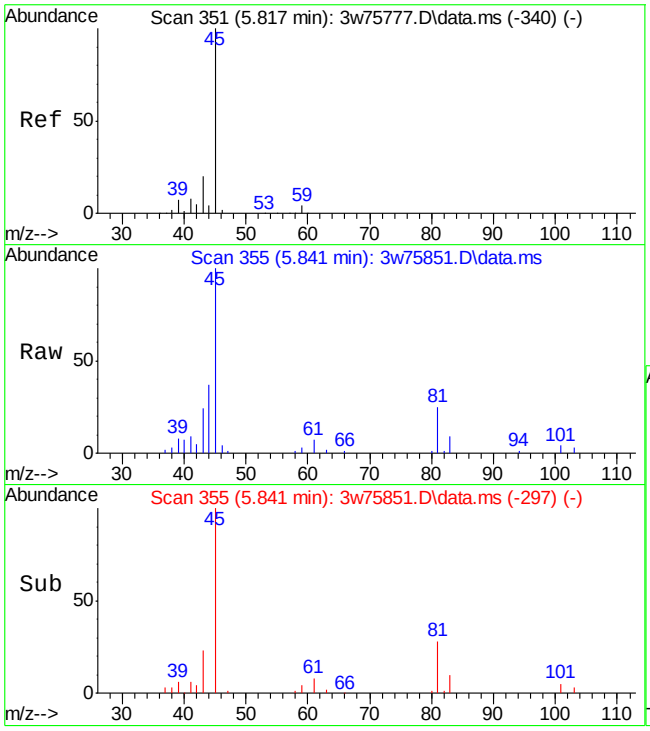


#21
TRICHLOROFLUOROMETHANE
Concen: 1.26 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion:101 Resp: 66507

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.8	84.8
105	10.3	0.0	30.5

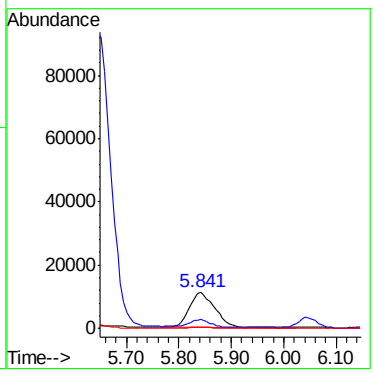


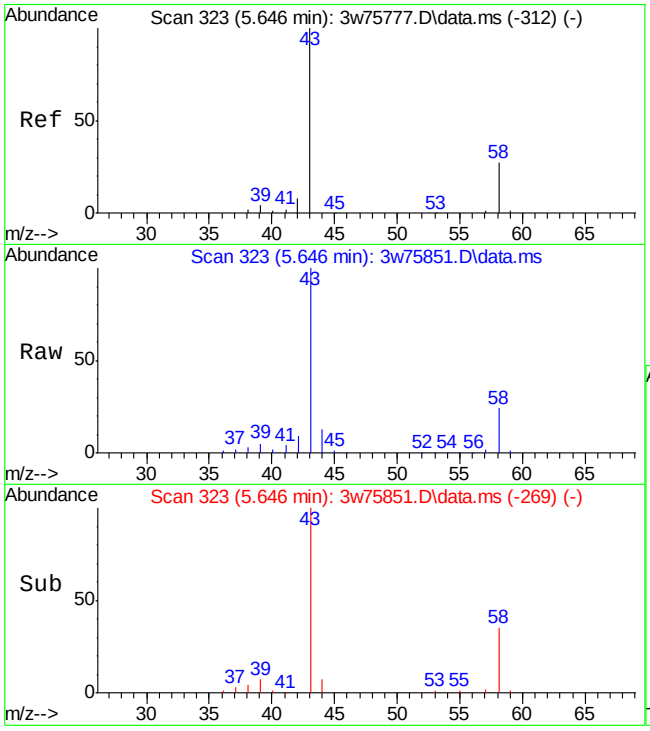


#22
ISOPROPYL ALCOHOL
Concen: 1.05 PPBV
RT: 5.841 min Scan# 355
Delta R.T. 0.024 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 45 Resp: 37779

Ion	Ratio	Lower	Upper
45	100		
43	24.2	0.7	40.7
59	3.2	0.0	23.6

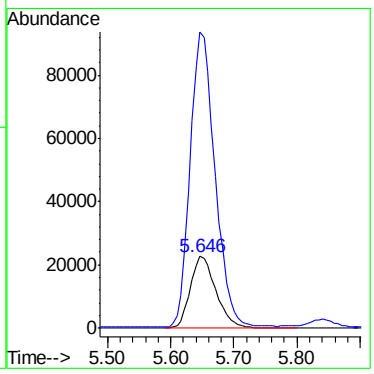


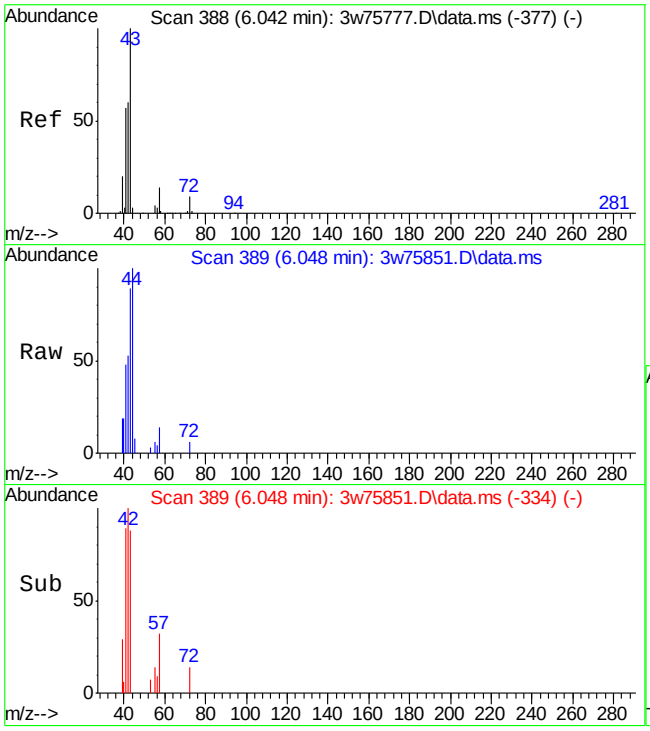


#23
ACETONE
Concen: 7.26 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 58 Resp: 63913

Ion	Ratio	Lower	Upper
58	100		
43	401.7	362.9	402.9

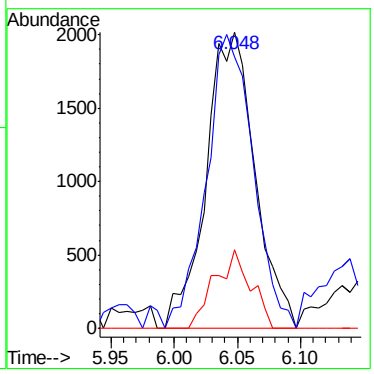


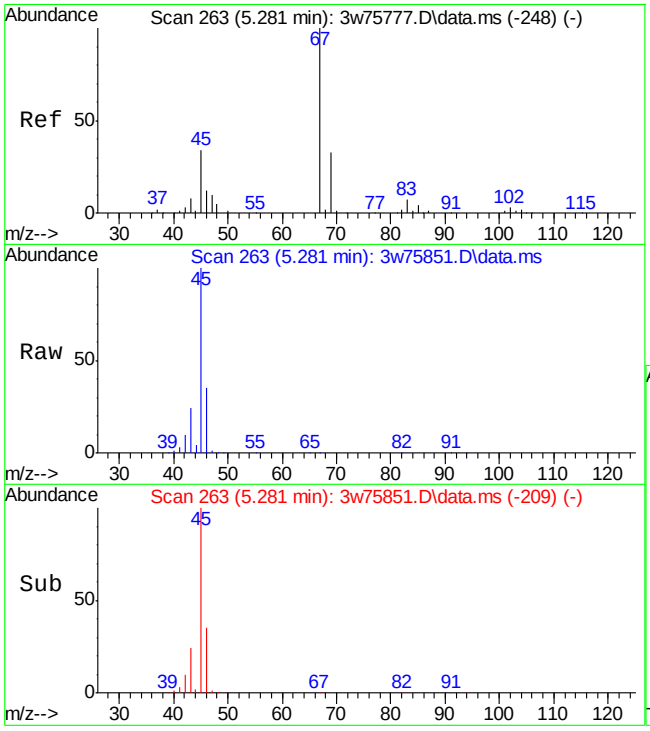


#24
PENTANE
Concen: 0.27 PPBV
RT: 6.048 min Scan# 389
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 42 Resp: 5407

Ion	Ratio	Lower	Upper
42	100		
41	94.8	73.3	113.3
57	19.7	4.4	44.4

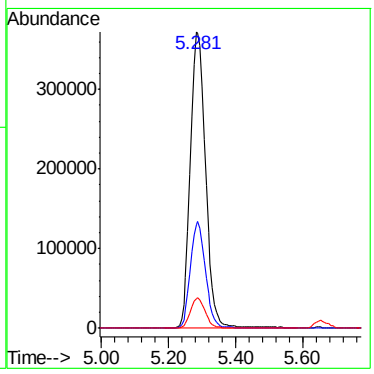


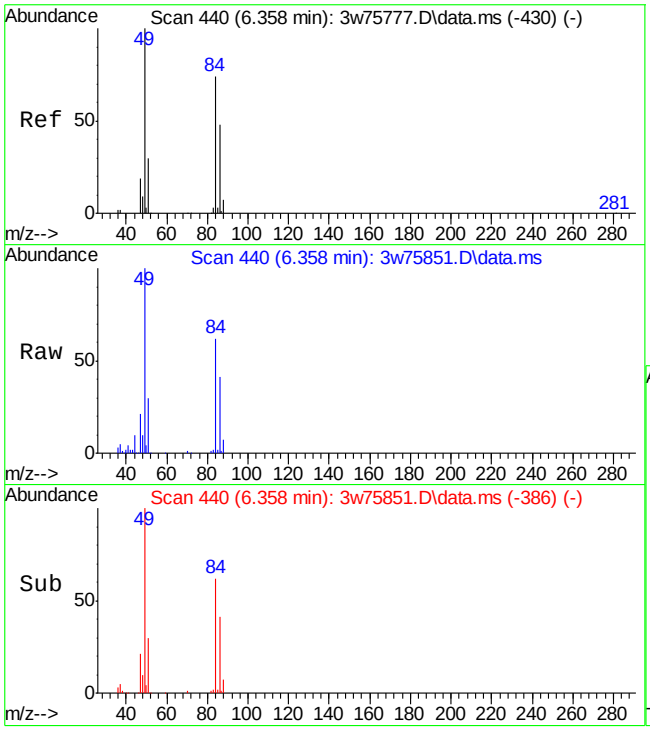


#28
ETHANOL
Concen: 162.98 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 45 Resp: 1176028

Ion	Ratio	Lower	Upper
45	100		
46	35.6	14.9	54.9
42	9.9	0.0	30.1

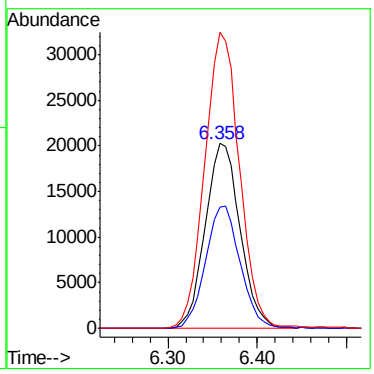


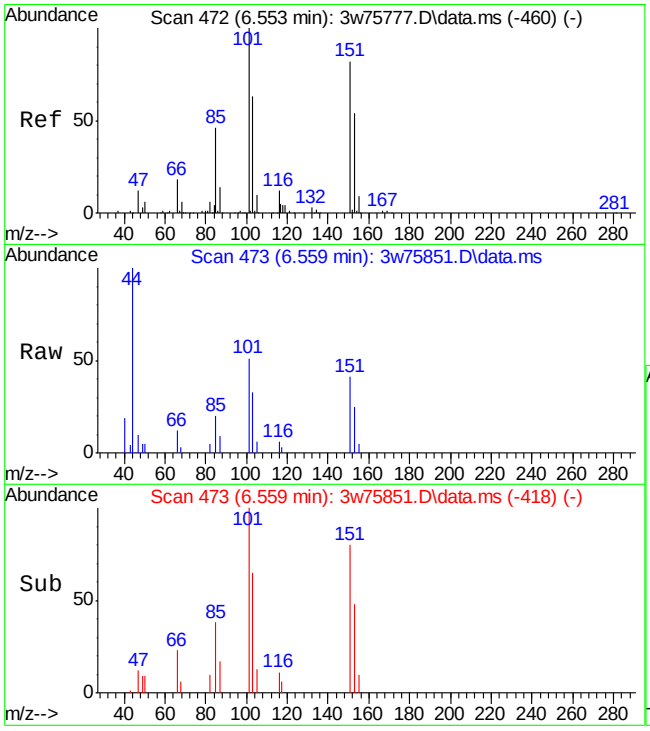


#31
METHYLENE CHLORIDE
Concen: 3.17 PPBV
RT: 6.358 min Scan# 440
Delta R.T. 0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 84 Resp: 54716

Ion	Ratio	Lower	Upper
84	100		
86	65.9	45.6	85.6
49	161.1	0.0	337.9

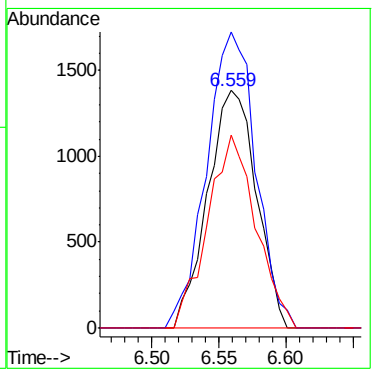


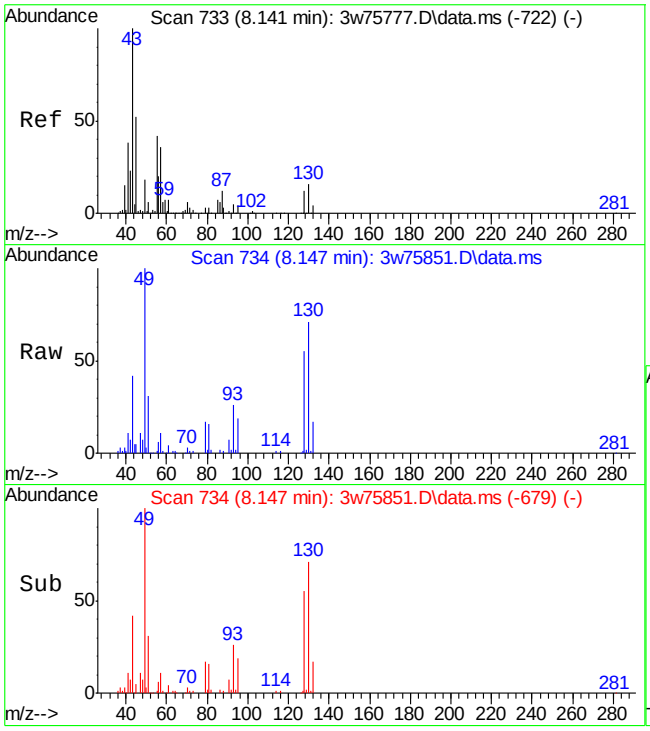


#33
FREON 113
Concen: 0.11 PPBV
RT: 6.559 min Scan# 473
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion:151 Resp: 3498

Ion	Ratio	Lower	Upper
151	100		
101	126.3	100.5	140.5
103	80.4	56.7	96.7

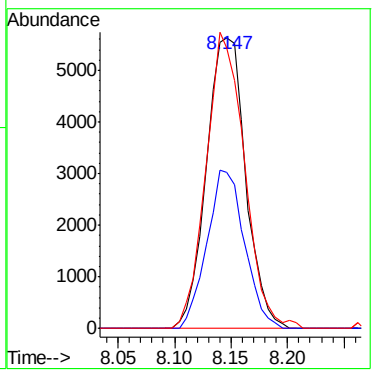


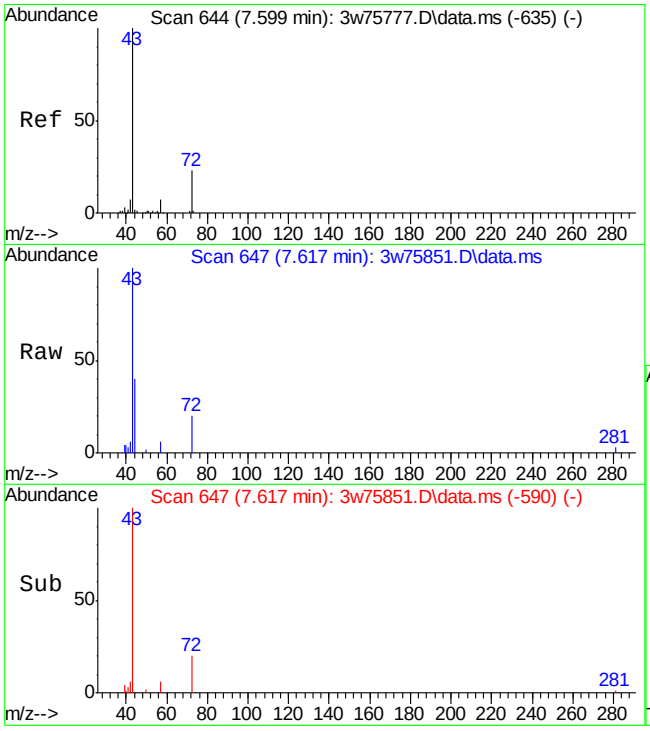


#38
HEXANE
Concen: 0.49 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 57 Resp: 13534

Ion	Ratio	Lower	Upper
57	100		
56	52.1	34.6	74.6
41	99.9	107.4	147.4#

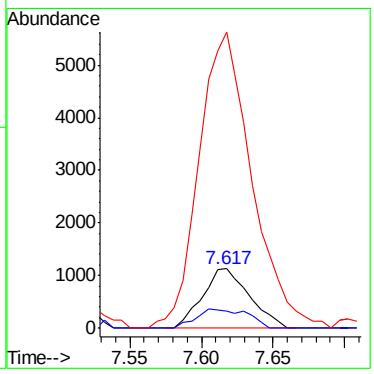


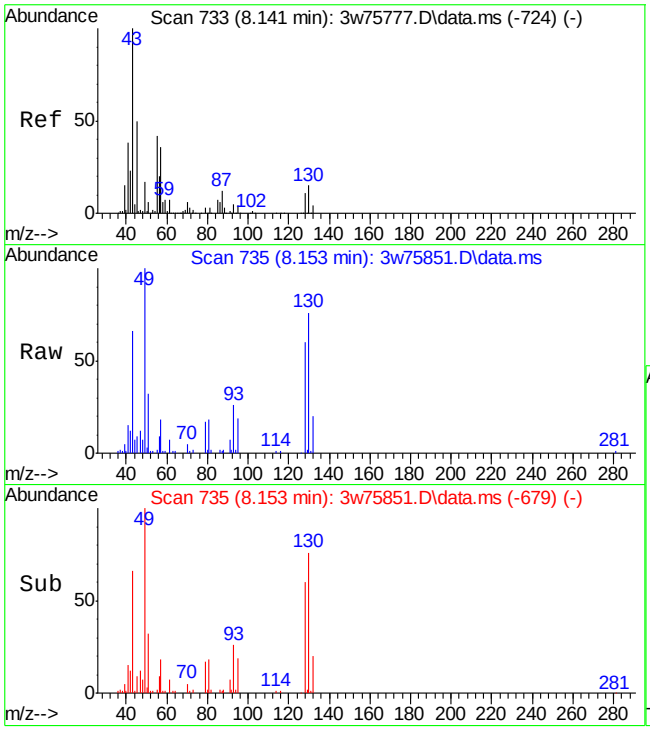


#41
METHYL ETHYL KETONE
Concen: 0.30 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 72 Resp: 2570

Ion	Ratio	Lower	Upper
72	100		
57	28.0	11.7	51.7
43	497.9	409.1	449.1#

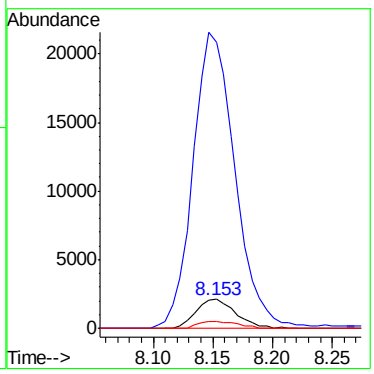


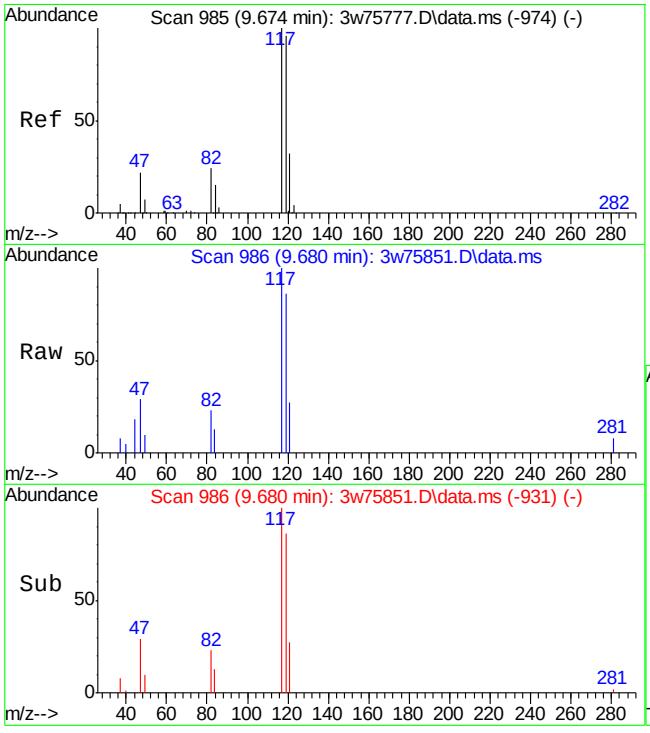


#44
ETHYL ACETATE
Concen: 0.86 PPBV
RT: 8.153 min Scan# 735
Delta R.T. 0.012 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 61 Resp: 4940

Ion	Ratio	Lower	Upper
61	100		
43	1071.3	1591.1	1631.1#
88	23.2	23.8	63.8#

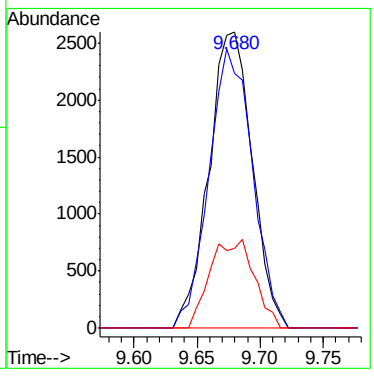


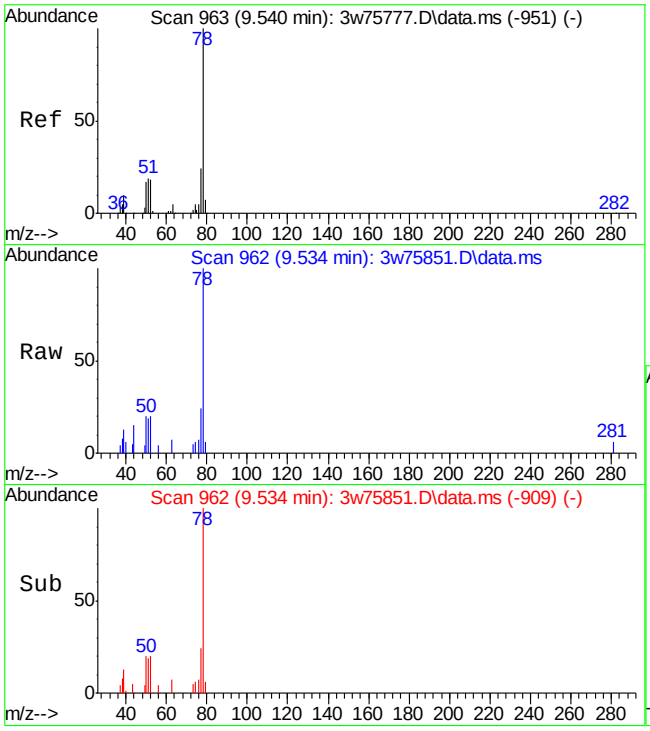


#49
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 9.680 min Scan# 986
Delta R.T. 0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion:117 Resp: 6175

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.4	116.4
121	30.6	11.5	51.5

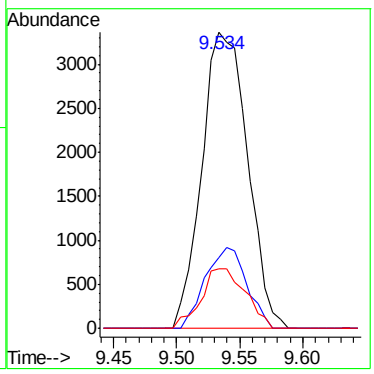


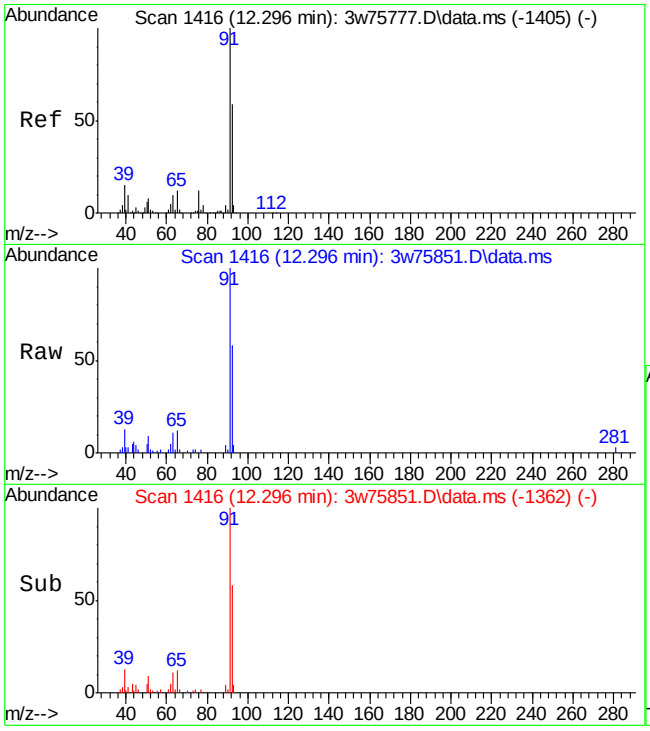


#52
BENZENE
Concen: 0.15 PPBV
RT: 9.534 min Scan# 962
Delta R.T. -0.006 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 78 Resp: 8441

Ion	Ratio	Lower	Upper
78	100		
77	24.8	3.4	43.4
52	19.6	0.0	37.0

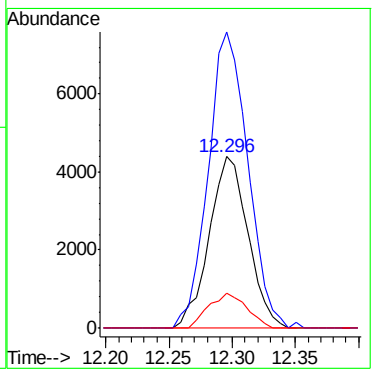




#66
TOLUENE
Concen: 0.24 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75851.D
Acq: 26 Apr 2022 7:19 pm

Tgt Ion: 92 Resp: 9348

Ion	Ratio	Lower	Upper
92	100		
91	176.4	150.3	190.3
65	20.0	2.5	42.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75852.D
Acq On : 26 Apr 2022 8:08 pm
Operator : thomash
Sample : jd42150-4
Misc : MS57846,V3W2984,612,,,,1.53
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 29 12:21:41 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

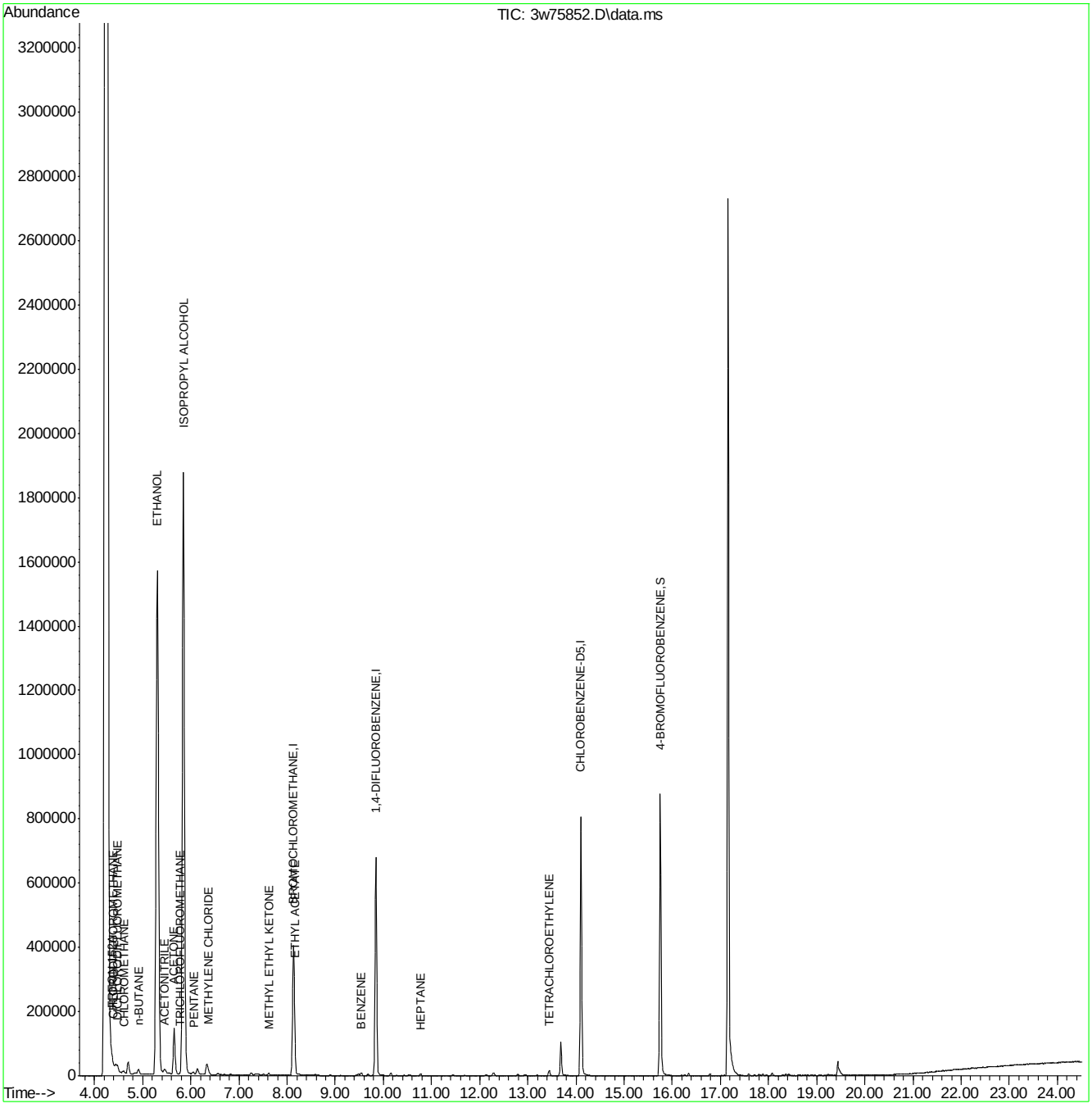
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	126041	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	639967	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	315007	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	364139	10.88	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	2814	0.27	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.387	67	1536	0.28	PPBV	#	64
6) DICHLORODIFLUOROMETHANE	4.478	85	25316	0.44	PPBV		98
10) CHLOROMETHANE	4.606	52	3158	0.66	PPBV		98
13) n-BUTANE	4.910	43	18958	0.78	PPBV	#	93
17) ACETONITRILE	5.458	41	19661	1.60	PPBV		95
21) TRICHLOROFLUOROMETHANE	5.786	101	10354	0.20	PPBV		100
22) ISOPROPYL ALCOHOL	5.847	45	3423021	98.18	PPBV		98
23) ACETONE	5.652	58	57331	6.74	PPBV	#	86
24) PENTANE	6.054	42	2998	0.16	PPBV		91
28) ETHANOL	5.306	45	3056887	438.20	PPBV		99
31) METHYLENE CHLORIDE	6.364	84	6504	0.39	PPBV		90
41) METHYL ETHYL KETONE	7.623	72	1964	0.24	PPBV		98
44) ETHYL ACETATE	8.153	61	13428	2.43	PPBV	#	1
52) BENZENE	9.540	78	8638	0.16	PPBV		100
62) HEPTANE	10.769	43	3176	0.10	PPBV		82
73) TETRACHLOROETHYLENE	13.445	164	4897	0.16	PPBV		94

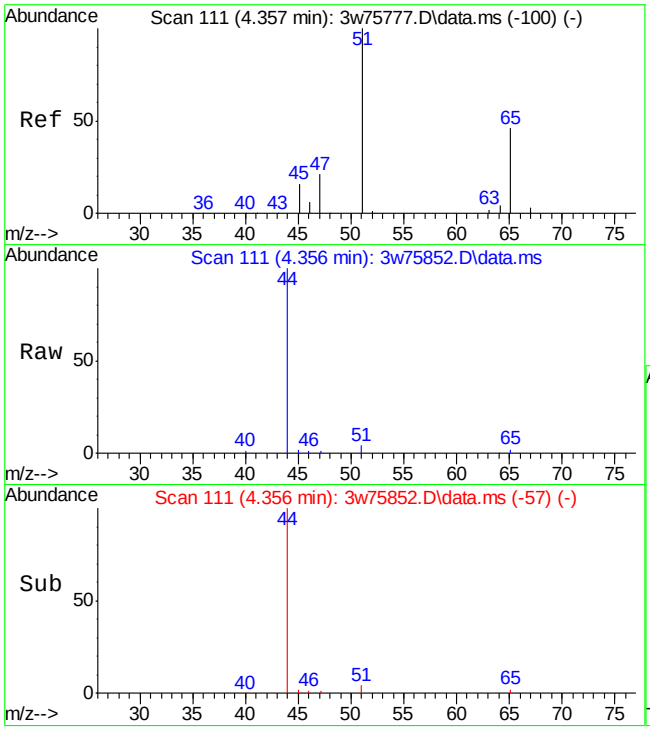
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75852.D
Acq On : 26 Apr 2022 8:08 pm
Operator : thomash
Sample : jd42150-4
Misc : MS57846,V3W2984,612,,,,1.53
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 29 12:21:41 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

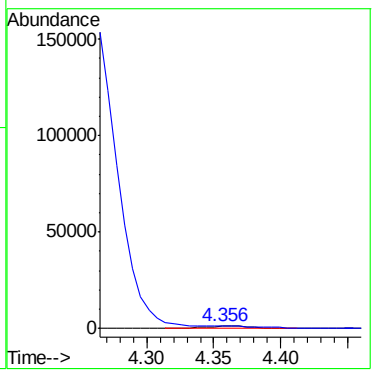


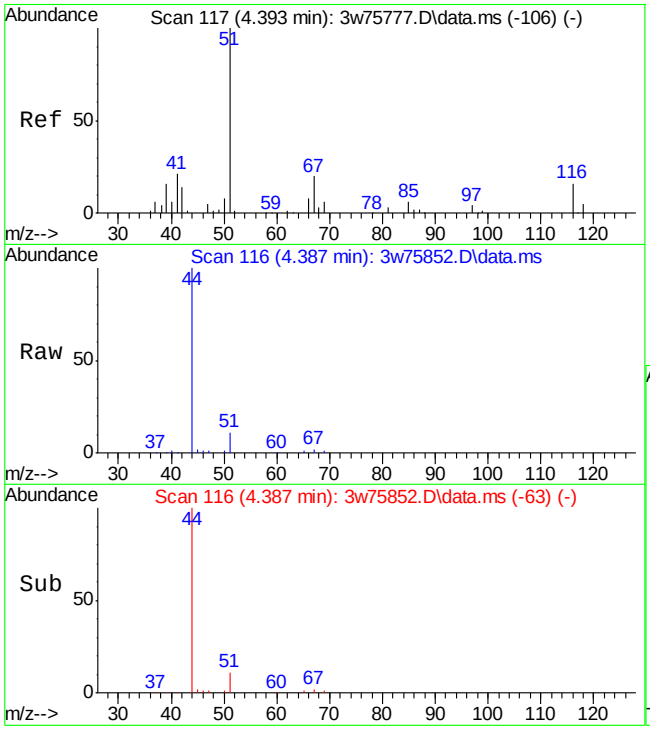


#3
FREON 152A
Concen: 0.27 PPBV
RT: 4.356 min Scan# 111
Delta R.T. -0.001 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 65 Resp: 2814

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

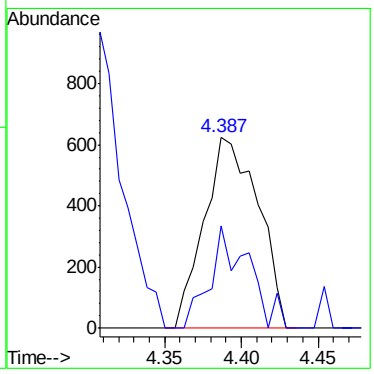


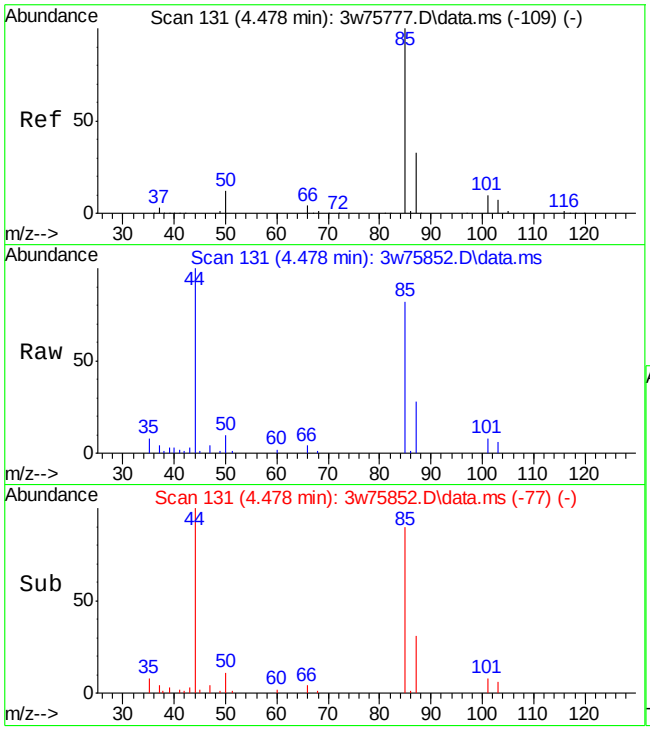


#4
CHLORODIFLUOROMETHANE
Concen: 0.28 PPBV
RT: 4.387 min Scan# 116
Delta R.T. -0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 67 Resp: 1536

Ion	Ratio	Lower	Upper
67	100		
69	53.6	13.0	53.0#

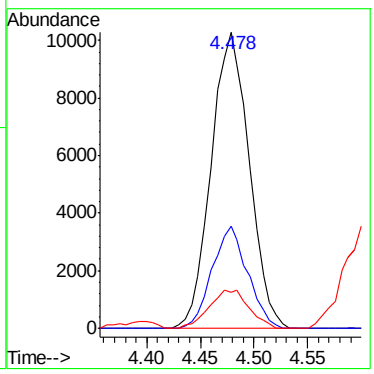


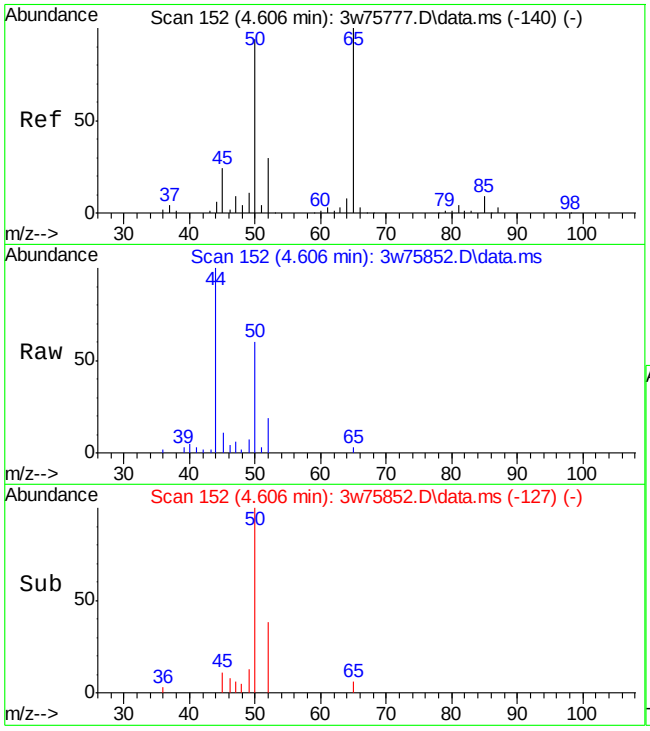


#6
DICHLORODIFLUOROMETHANE
Concen: 0.44 PPBV
RT: 4.478 min Scan# 131
Delta R.T. 0.000 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 85 Resp: 25316

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.5	52.5
50	13.4	0.0	30.4

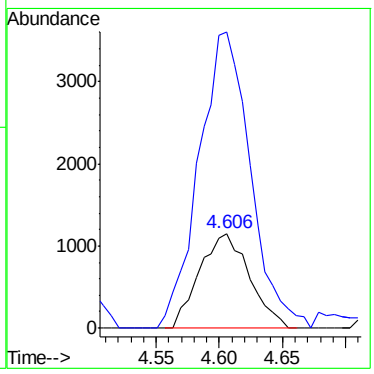


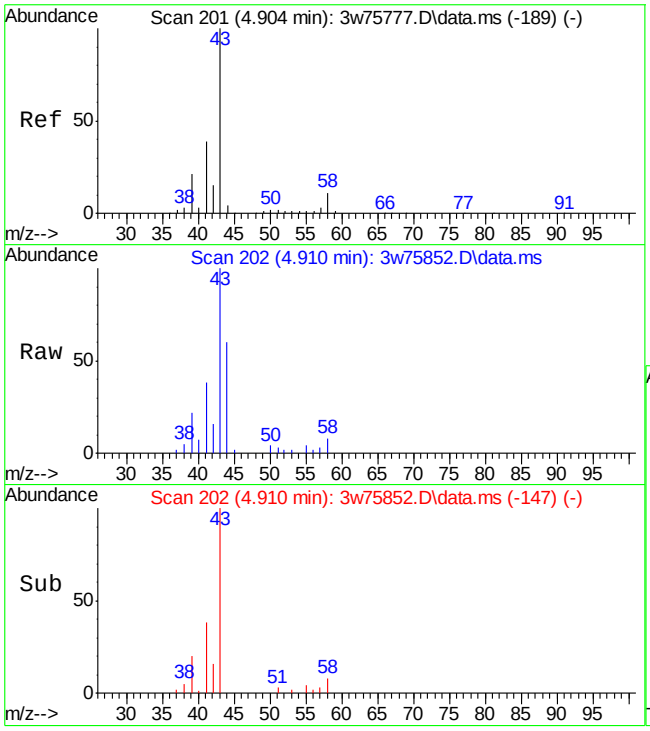


#10
CHLOROMETHANE
Concen: 0.66 PPBV
RT: 4.606 min Scan# 152
Delta R.T. -0.000 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 52 Resp: 3158

Ion	Ratio	Lower	Upper
52	100		
50	300.5	276.8	316.8

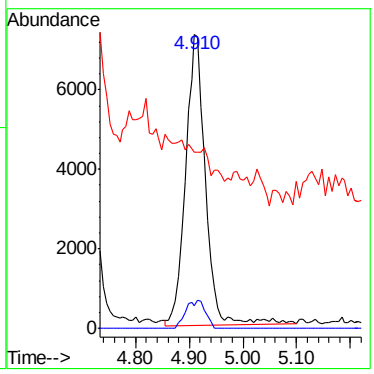


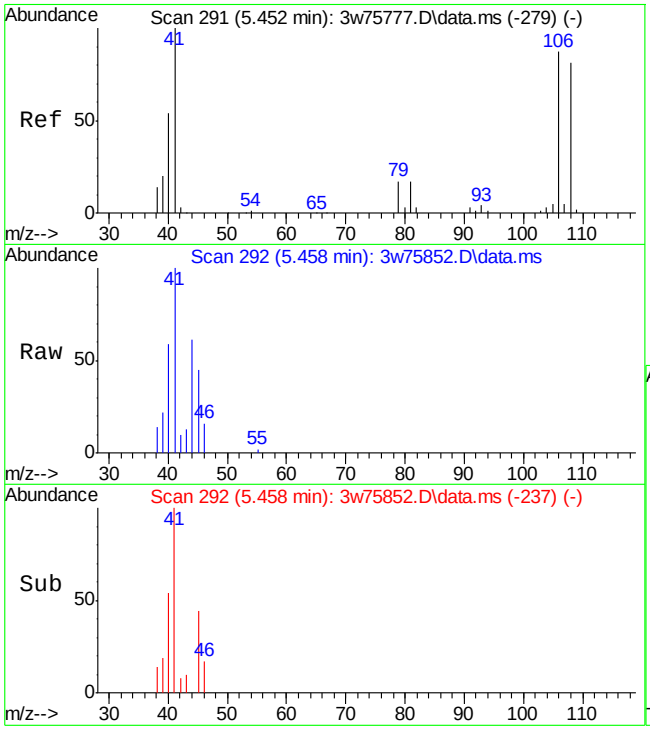


#13
n-BUTANE
Concen: 0.78 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 43 Resp: 18958

Ion	Ratio	Lower	Upper
43	100		
58	9.5	0.0	31.2
44	0.0	0.0	24.6

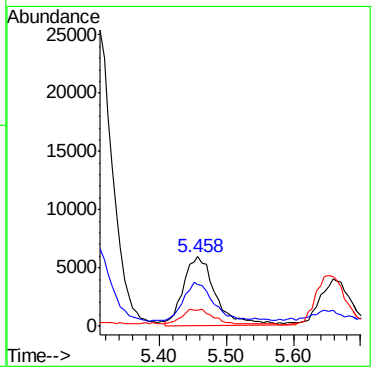


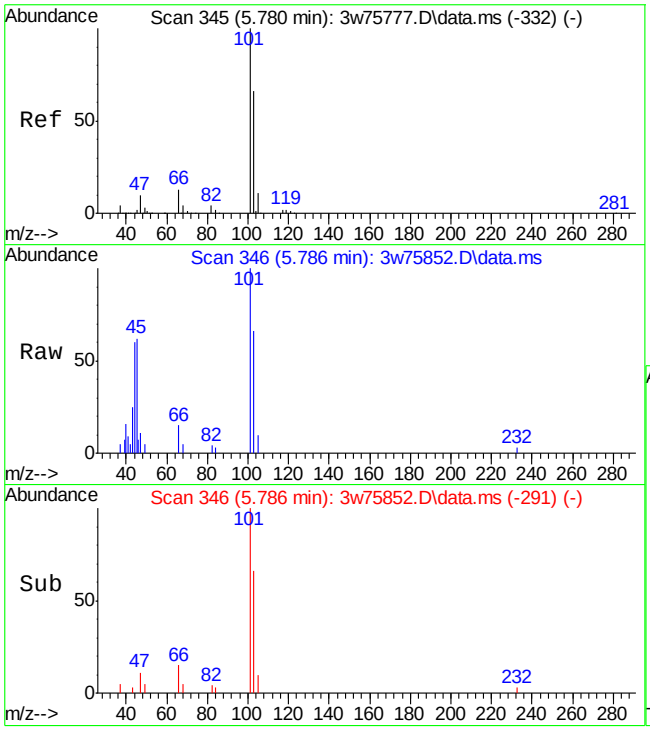


#17
ACETONITRILE
Concen: 1.60 PPBV
RT: 5.458 min Scan# 292
Delta R.T. 0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 41 Resp: 19661

Ion	Ratio	Lower	Upper
41	100		
40	59.0	44.3	66.5
39	23.2	16.2	24.4

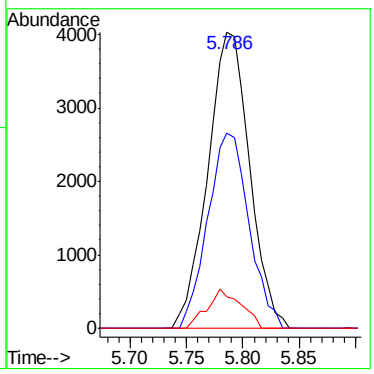


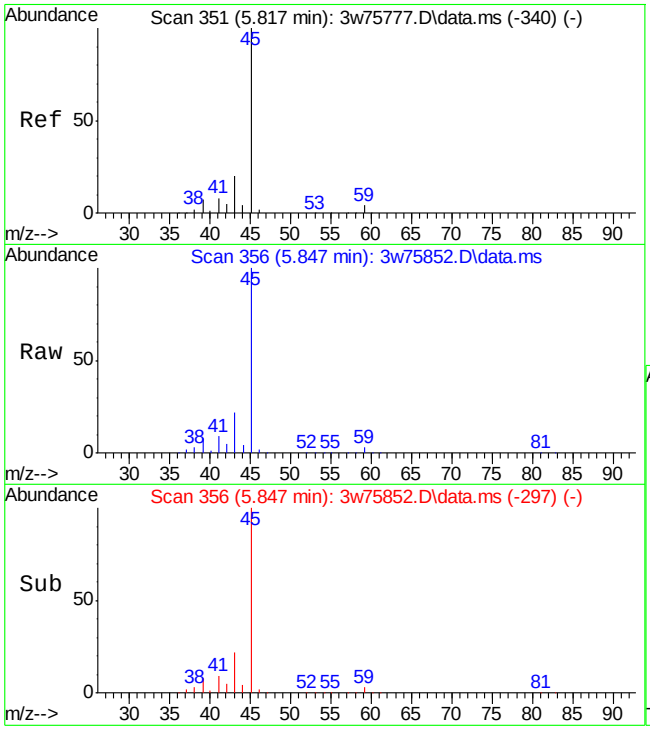


#21
TRICHLOROFLUOROMETHANE
Concen: 0.20 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion:101 Resp: 10354

Ion	Ratio	Lower	Upper
101	100		
103	64.8	44.8	84.8
105	10.7	0.0	30.5

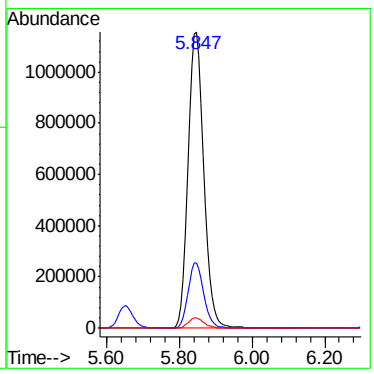


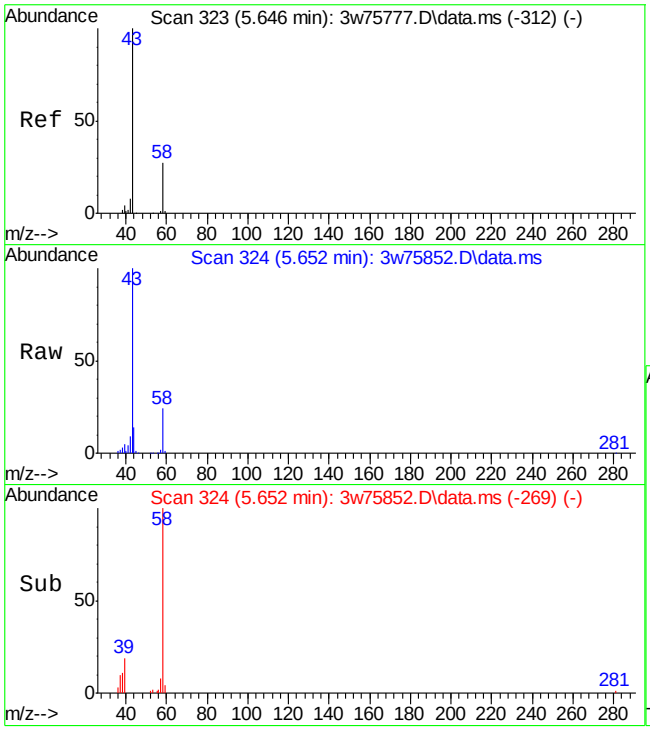


#22
ISOPROPYL ALCOHOL
Concen: 98.18 PPBV
RT: 5.847 min Scan# 356
Delta R.T. 0.030 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 45 Resp: 3423021

Ion	Ratio	Lower	Upper
45	100		
43	21.9	0.7	40.7
59	3.5	0.0	23.6

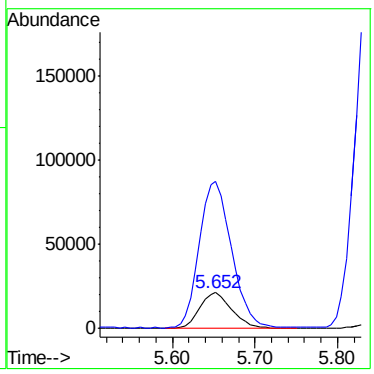


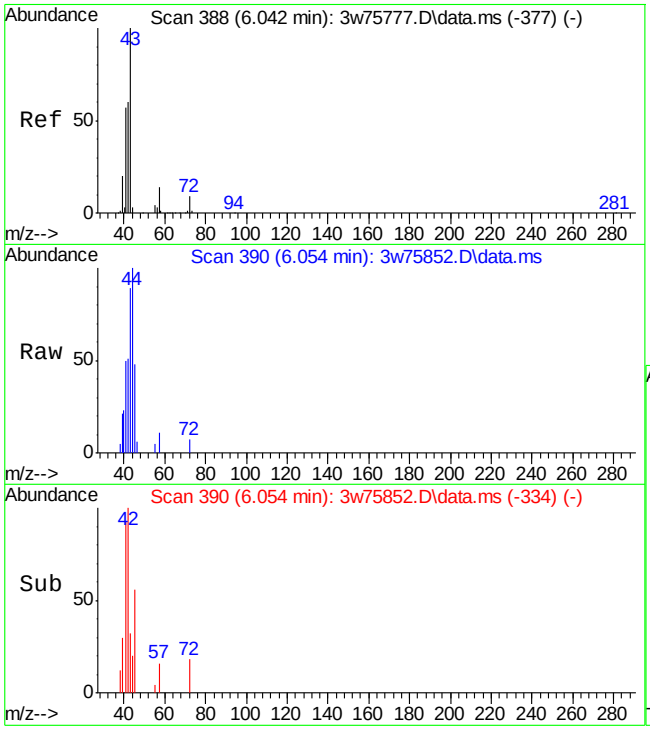


#23
ACETONE
Concen: 6.74 PPBV
RT: 5.652 min Scan# 324
Delta R.T. 0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 58 Resp: 57331

Ion	Ratio	Lower	Upper
58	100		
43	414.7	362.9	402.9#

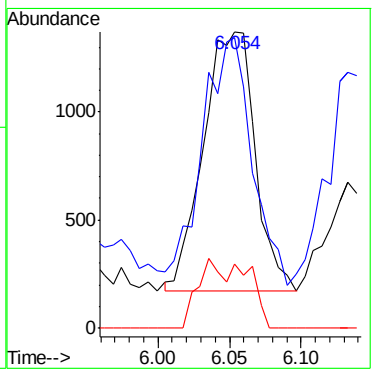


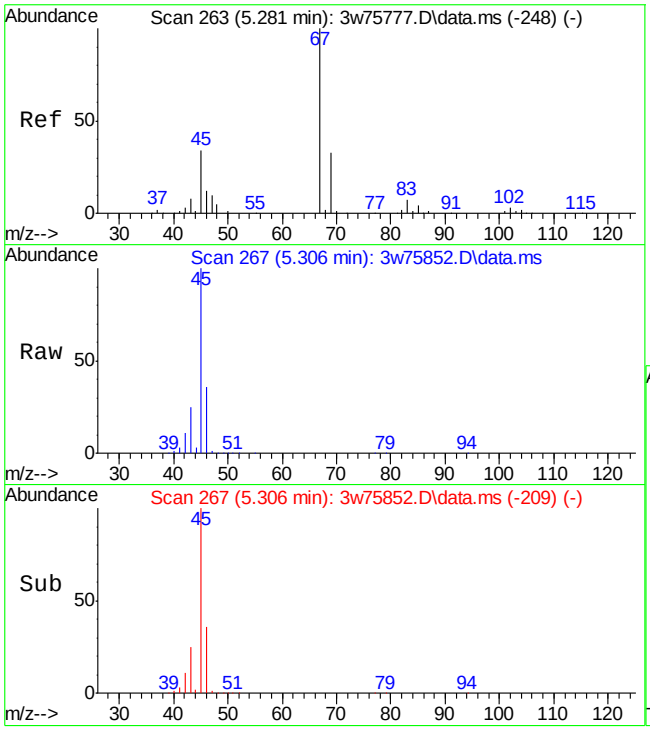


#24
PENTANE
Concen: 0.16 PPBV
RT: 6.054 min Scan# 390
Delta R.T. 0.012 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 42 Resp: 2998

Ion	Ratio	Lower	Upper
42	100		
41	83.0	73.3	113.3
57	25.4	4.4	44.4

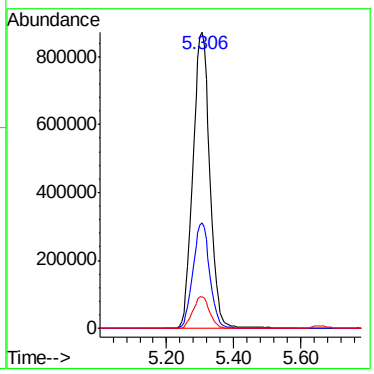


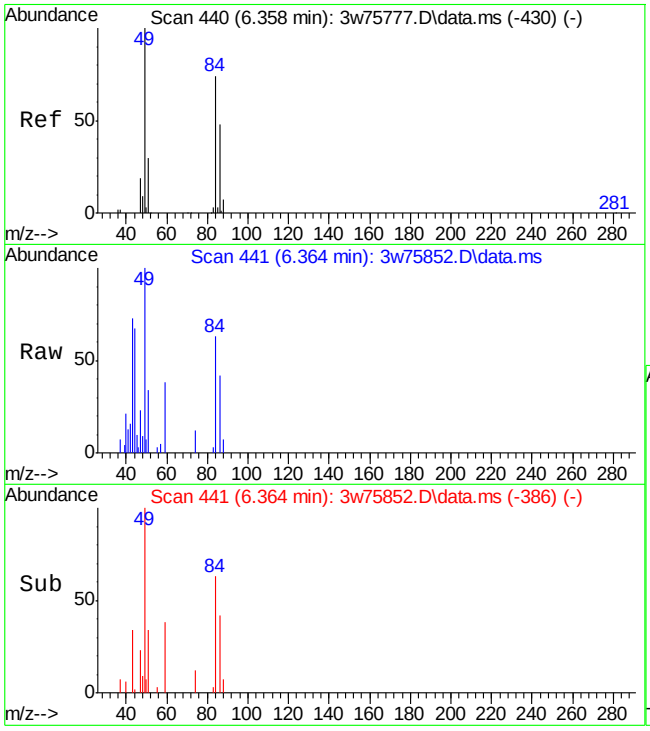


#28
ETHANOL
Concen: 438.20 PPBV
RT: 5.306 min Scan# 267
Delta R.T. 0.025 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 45 Resp: 3056887

Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.9	54.9
42	10.6	0.0	30.1

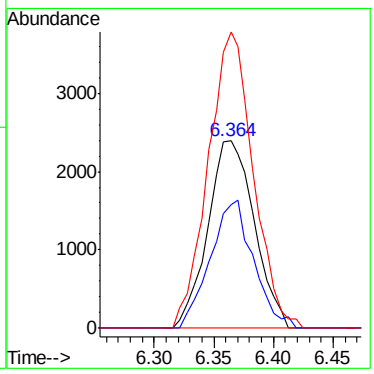


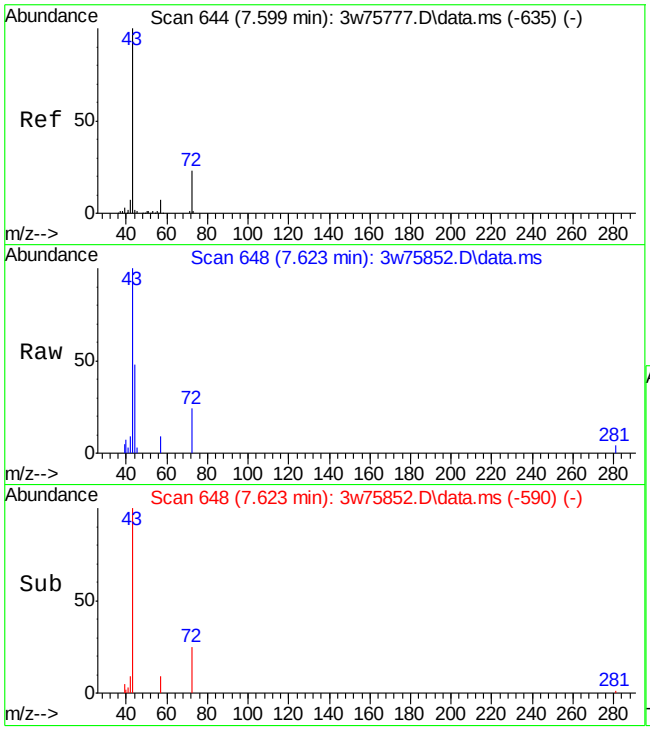


#31
METHYLENE CHLORIDE
Concen: 0.39 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 84 Resp: 6504

Ion	Ratio	Lower	Upper
84	100		
86	63.3	45.6	85.6
49	153.2	0.0	337.9

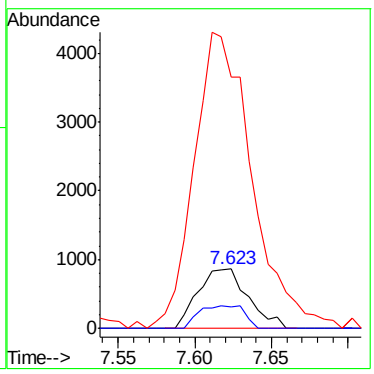


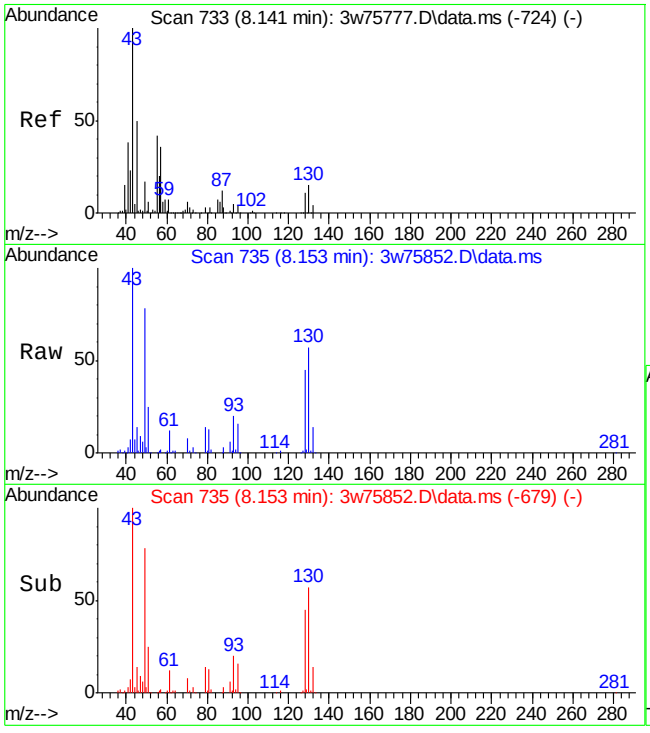


#41
METHYL ETHYL KETONE
Concen: 0.24 PPBV
RT: 7.623 min Scan# 648
Delta R.T. 0.024 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 72 Resp: 1964

Ion	Ratio	Lower	Upper
72	100		
57	36.7	11.7	51.7
43	424.2	409.1	449.1

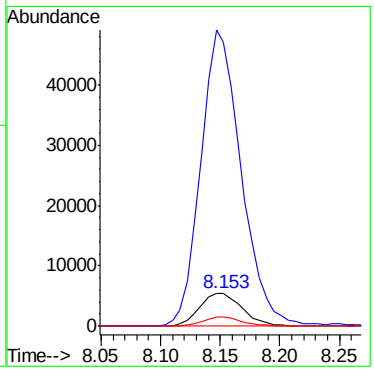


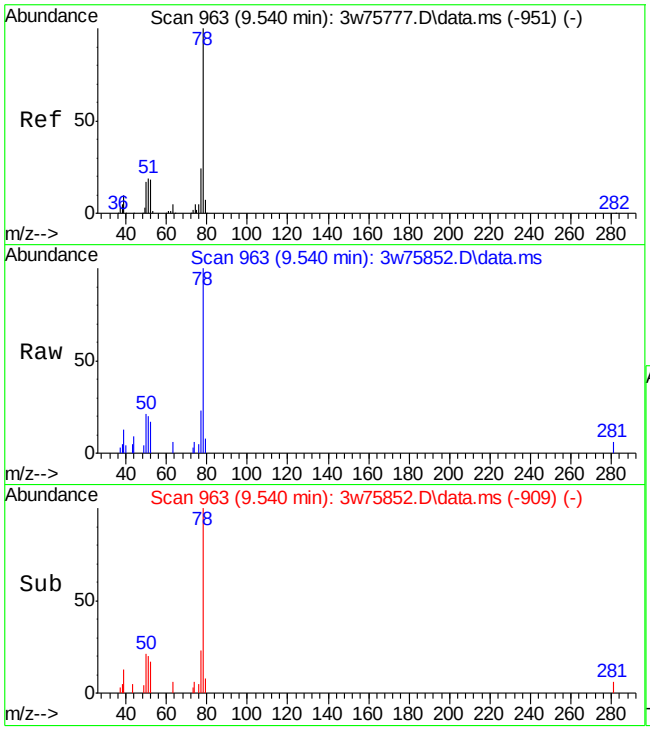


#44
ETHYL ACETATE
Concen: 2.43 PPBV
RT: 8.153 min Scan# 735
Delta R.T. 0.012 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 61 Resp: 13428

Ion	Ratio	Lower	Upper
61	100		
43	874.1	1591.1	1631.1#
88	25.3	23.8	63.8

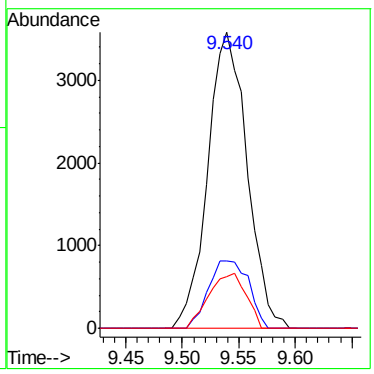


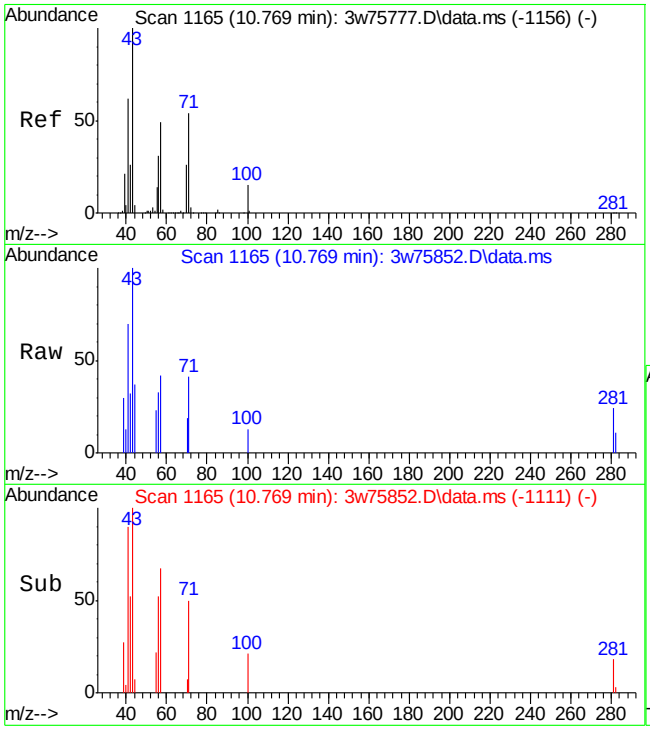


#52
BENZENE
Concen: 0.16 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 78 Resp: 8638

Ion	Ratio	Lower	Upper
78	100		
77	23.4	3.4	43.4
52	17.5	0.0	37.0

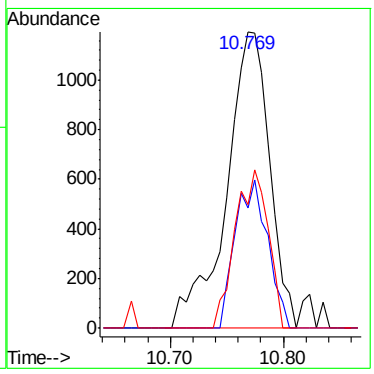


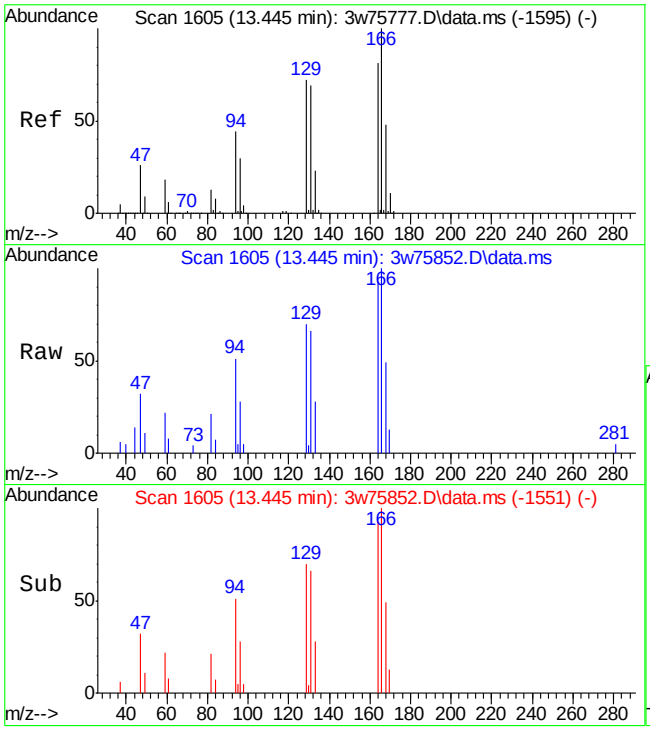


#62
HEPTANE
Concen: 0.10 PPBV
RT: 10.769 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion: 43 Resp: 3176

Ion	Ratio	Lower	Upper
43	100		
71	37.6	34.1	74.1
57	40.6	29.5	69.5

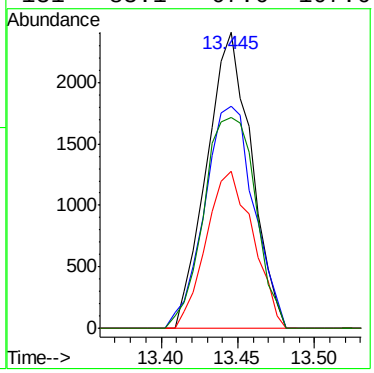




#73
TETRACHLOROETHYLENE
Concen: 0.16 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75852.D
Acq: 26 Apr 2022 8:08 pm

Tgt Ion:164 Resp: 4897

Ion	Ratio	Lower	Upper
164	100		
129	83.2	69.5	109.5
168	55.6	40.9	80.9
131	83.1	67.6	107.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75853.D
Acq On : 26 Apr 2022 8:55 pm
Operator : thomash
Sample : jd42150-5
Misc : MS57846,V3W2984,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 29 12:29:07 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

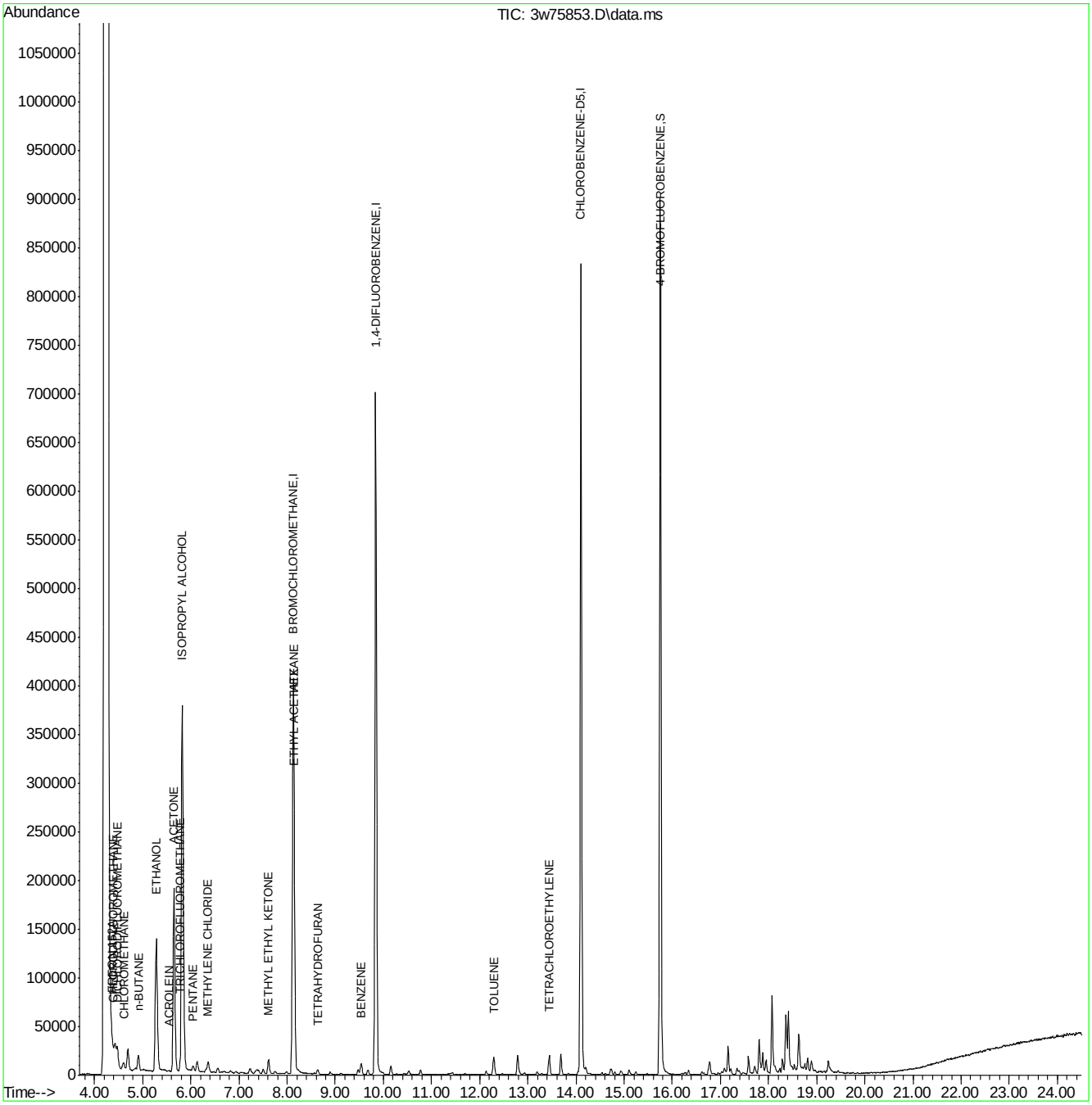
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	131618	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	665096	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	316709	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	367635	10.92	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.20%				
Target Compounds							Qvalue
3) FREON 152A	4.363	65	1375	0.13	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.393	67	1393	0.24	PPBV		86
6) DICHLORODIFLUOROMETHANE	4.472	85	25290	0.42	PPBV		98
10) CHLOROMETHANE	4.606	52	3229	0.64	PPBV		99
13) n-BUTANE	4.910	43	19117	0.75	PPBV	#	92
18) ACROLEIN	5.549	56	666	0.11	PPBV	#	75
21) TRICHLOROFLUOROMETHANE	5.786	101	11015	0.21	PPBV		98
22) ISOPROPYL ALCOHOL	5.823	45	672084	18.46	PPBV		98
23) ACETONE	5.646	58	78082	8.79	PPBV	#	85
24) PENTANE	6.042	42	3628	0.18	PPBV		97
28) ETHANOL	5.281	45	233031	31.99	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	5543	0.32	PPBV		87
37) TETRAHYDROFURAN	8.639	72	1176	0.14	PPBV	#	69
38) HEXANE	8.140	57	3265	0.12	PPBV		98
41) METHYL ETHYL KETONE	7.617	72	4925	0.57	PPBV	#	89
44) ETHYL ACETATE	8.146	61	11073	1.92	PPBV	#	1
52) BENZENE	9.534	78	12470	0.23	PPBV		98
66) TOLUENE	12.296	92	8184	0.21	PPBV		93
73) TETRACHLOROETHYLENE	13.439	164	5468	0.18	PPBV		94

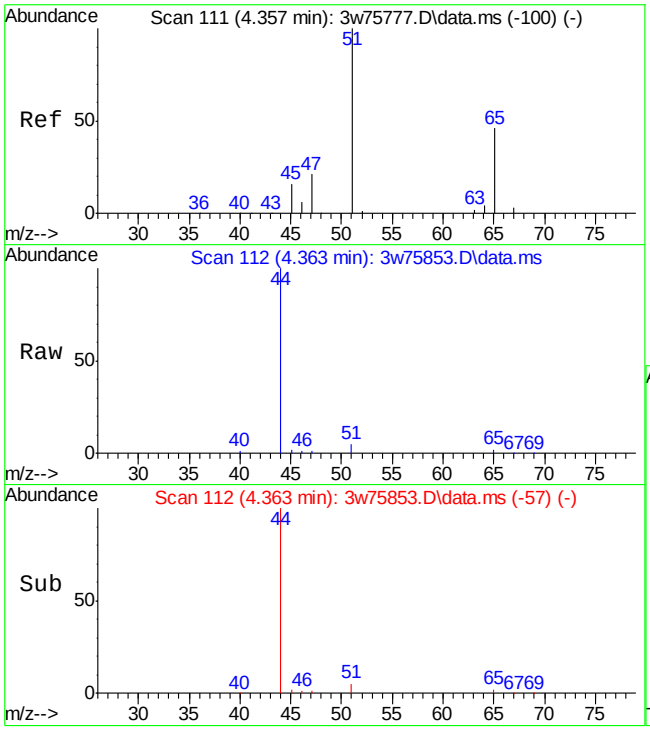
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75853.D
Acq On : 26 Apr 2022 8:55 pm
Operator : thomash
Sample : jd42150-5
Misc : MS57846,V3W2984,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 29 12:29:07 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

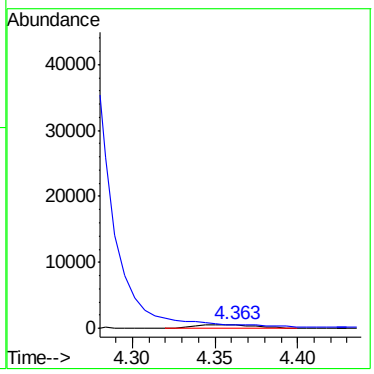


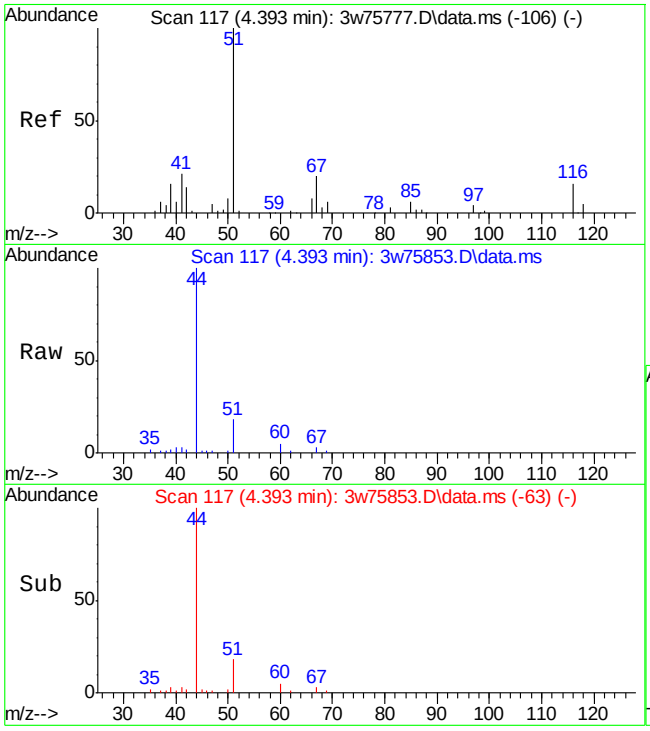


#3
FREON 152A
Concen: 0.13 PPBV
RT: 4.363 min Scan# 112
Delta R.T. 0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 65 Resp: 1375

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

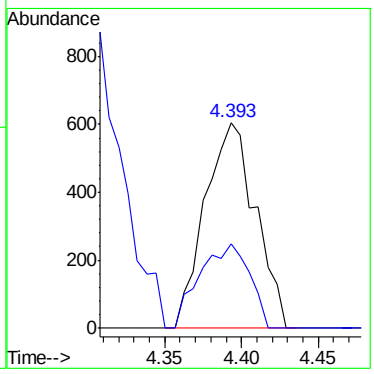


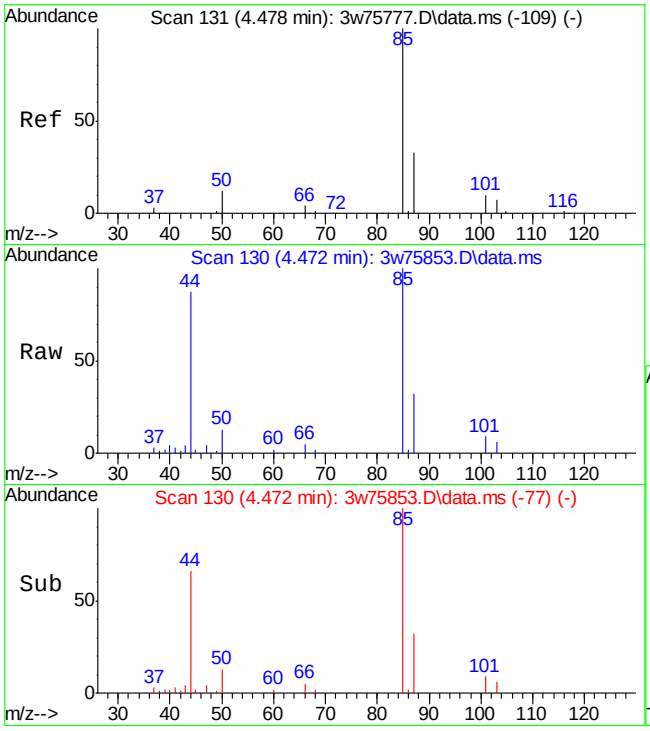


#4
CHLORODIFLUOROMETHANE
Concen: 0.24 PPBV
RT: 4.393 min Scan# 117
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 67 Resp: 1393

Ion	Ratio	Lower	Upper
67	100		
69	41.2	13.0	53.0

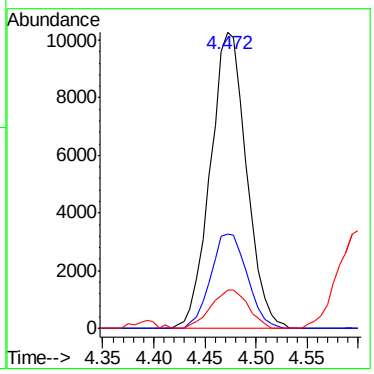


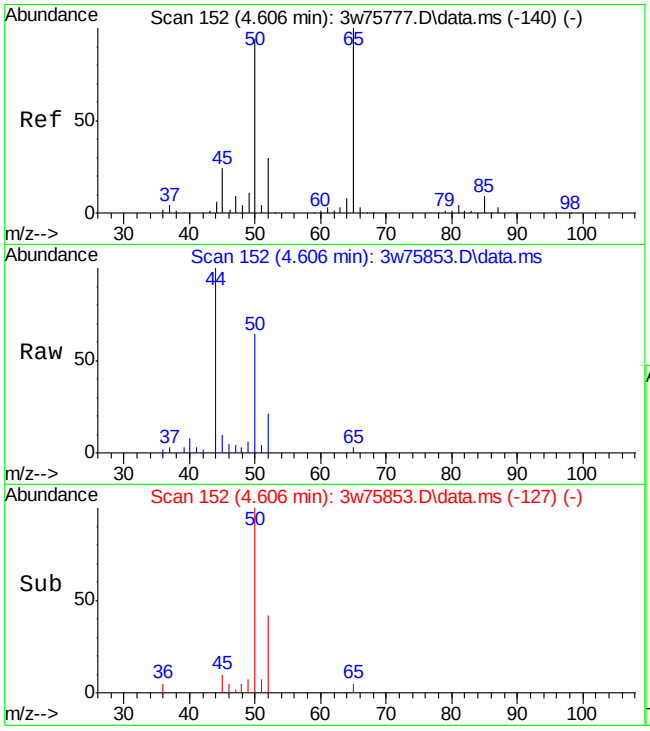


#6
DICHLORODIFLUOROMETHANE
Concen: 0.42 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 85 Resp: 25290

Ion	Ratio	Lower	Upper
85	100		
87	32.3	12.5	52.5
50	13.5	0.0	30.4

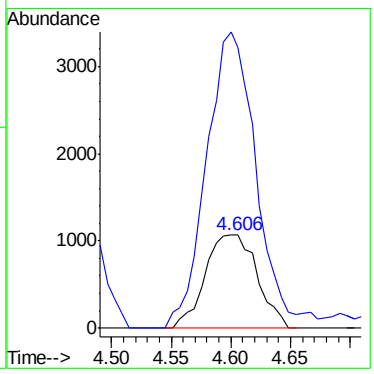


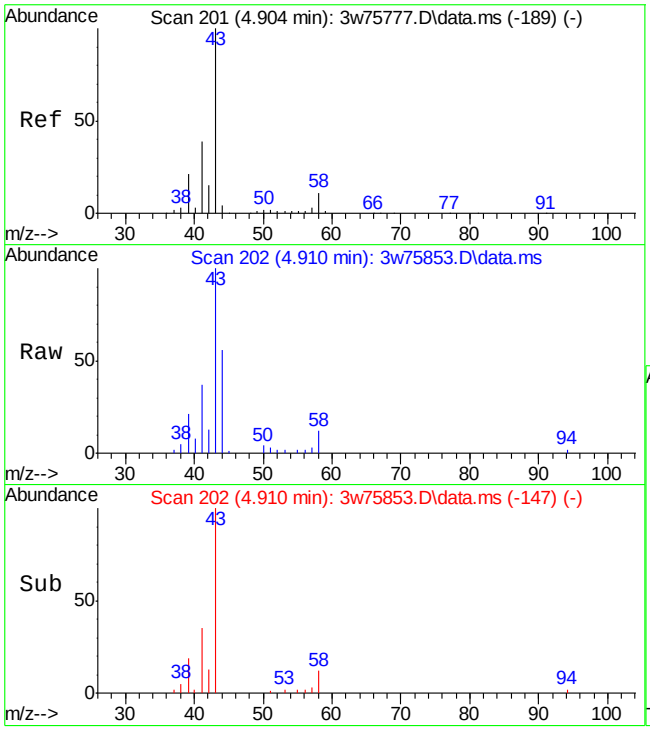


#10
CHLOROMETHANE
Concen: 0.64 PPBV
RT: 4.606 min Scan# 152
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 52 Resp: 3229

Ion	Ratio	Lower	Upper
52	100		
50	294.3	276.8	316.8

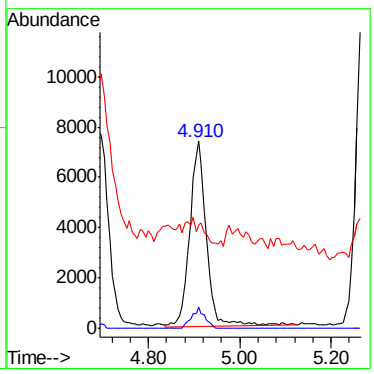


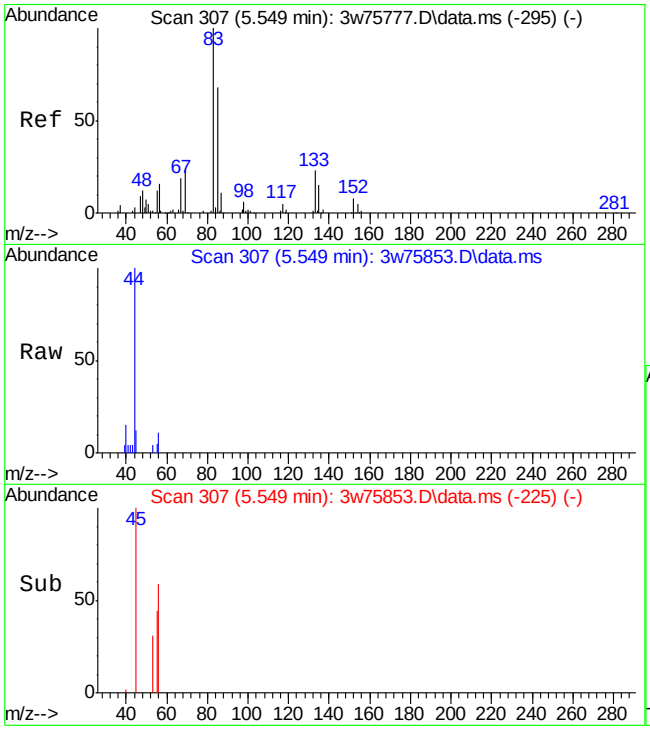


#13
n-BUTANE
Concen: 0.75 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 43 Resp: 19117

Ion	Ratio	Lower	Upper
43	100		
58	8.9	0.0	31.2
44	0.0	0.0	24.6

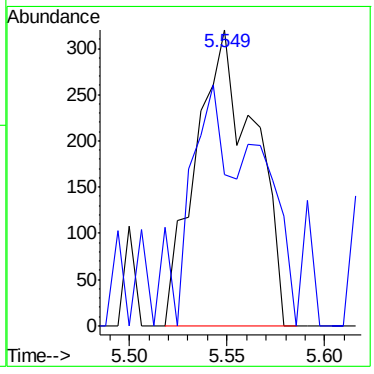


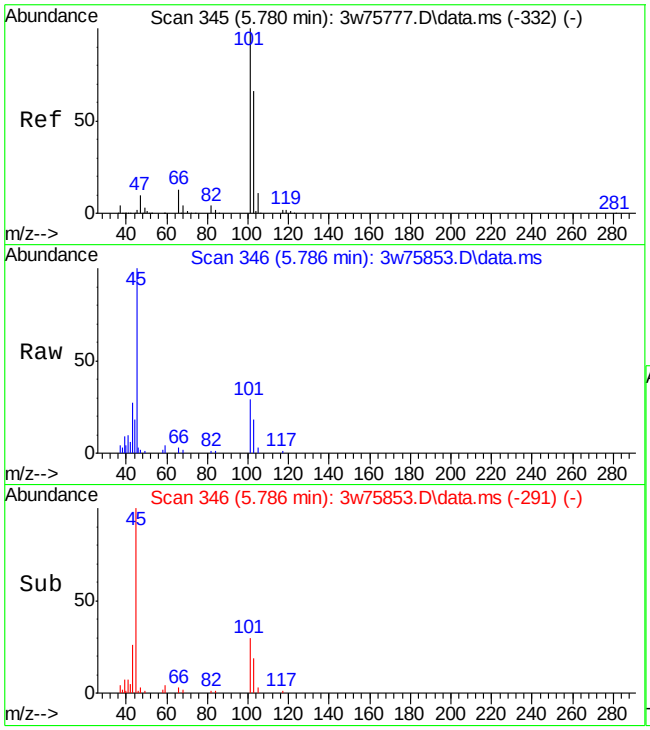


#18
ACROLEIN
Concen: 0.11 PPBV
RT: 5.549 min Scan# 307
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 56 Resp: 666

Ion	Ratio	Lower	Upper
56	100		
55	89.0	55.0	82.6#

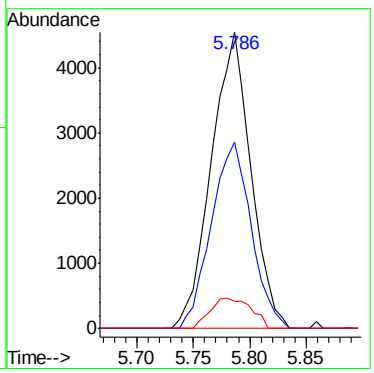


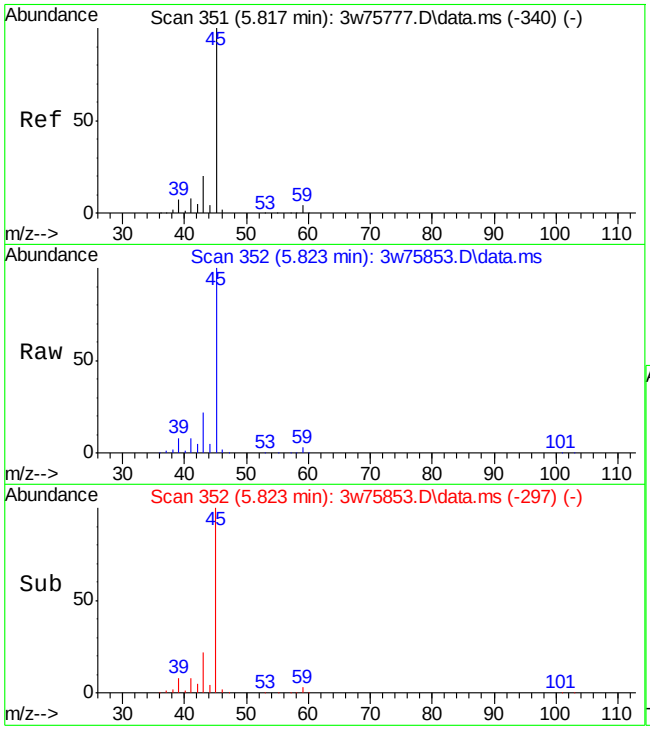


#21
TRICHLOROFLUOROMETHANE
Concen: 0.21 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion:101 Resp: 11015

Ion	Ratio	Lower	Upper
101	100		
103	63.4	44.8	84.8
105	10.5	0.0	30.5

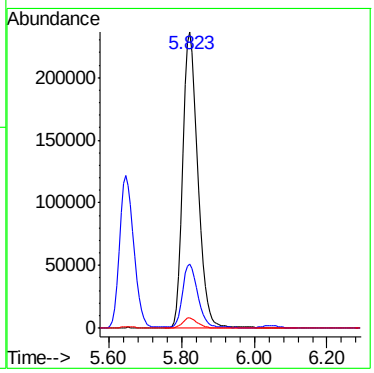


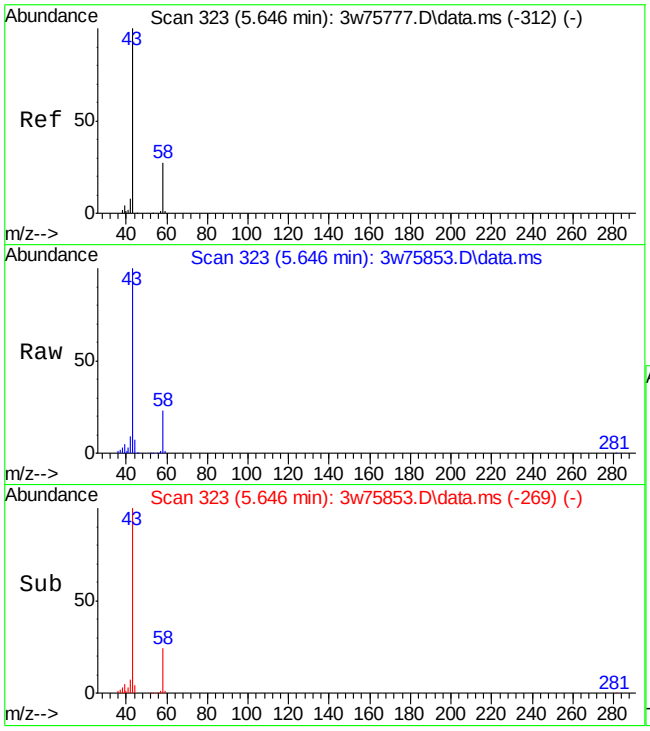


#22
ISOPROPYL ALCOHOL
Concen: 18.46 PPBV
RT: 5.823 min Scan# 352
Delta R.T. 0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 45 Resp: 672084

Ion	Ratio	Lower	Upper
45	100		
43	21.7	0.7	40.7
59	3.4	0.0	23.6

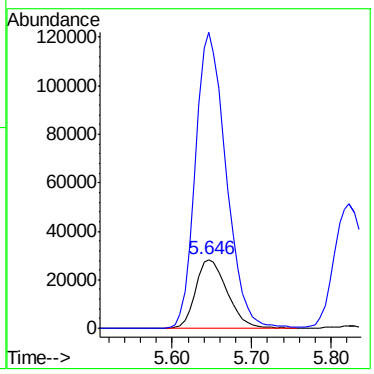


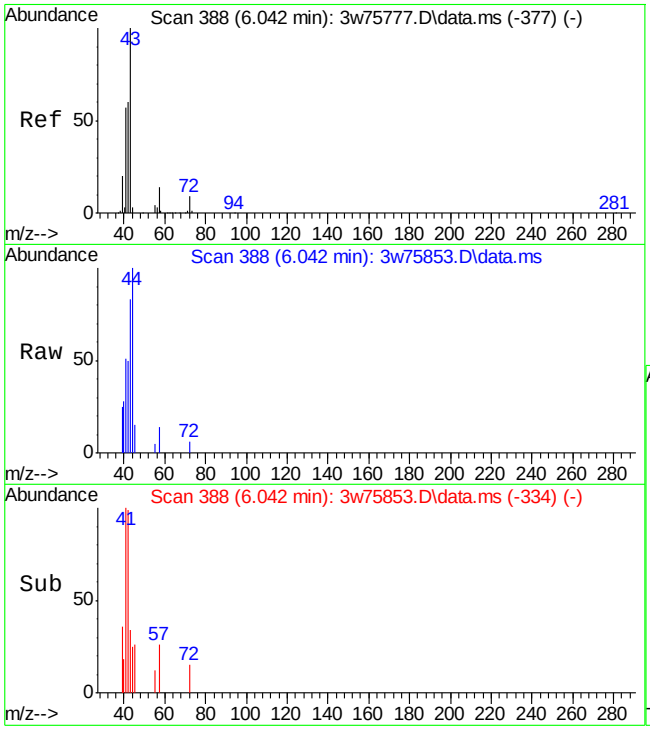


#23
ACETONE
Concen: 8.79 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 58 Resp: 78082

Ion	Ratio	Lower	Upper
58	100		
43	417.5	362.9	402.9#

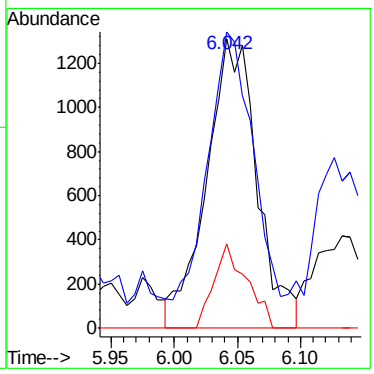


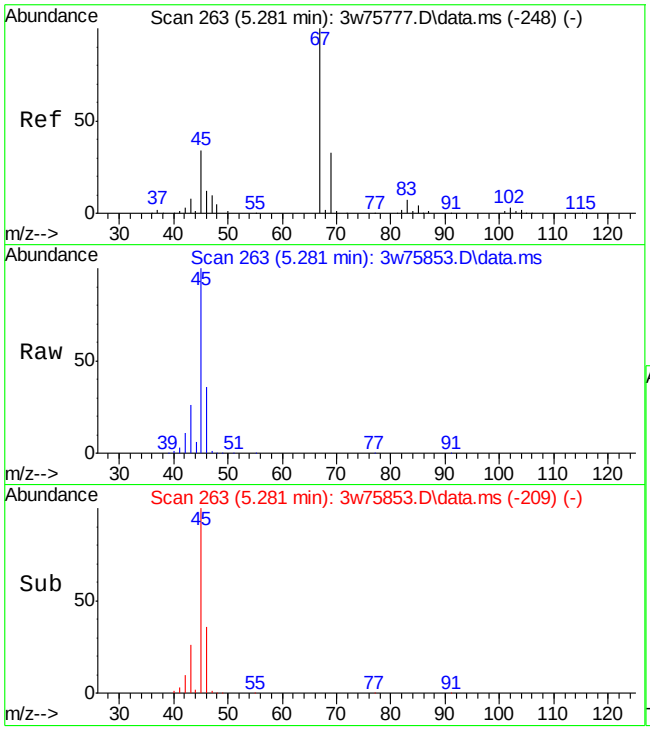


#24
PENTANE
Concen: 0.18 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 42 Resp: 3628

Ion	Ratio	Lower	Upper
42	100		
41	92.8	73.3	113.3
57	19.0	4.4	44.4

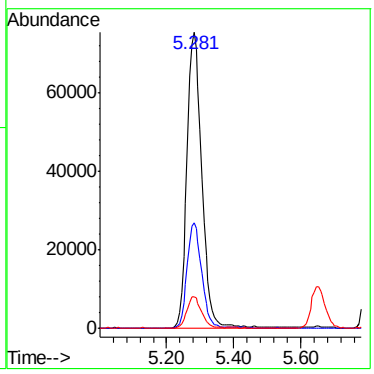


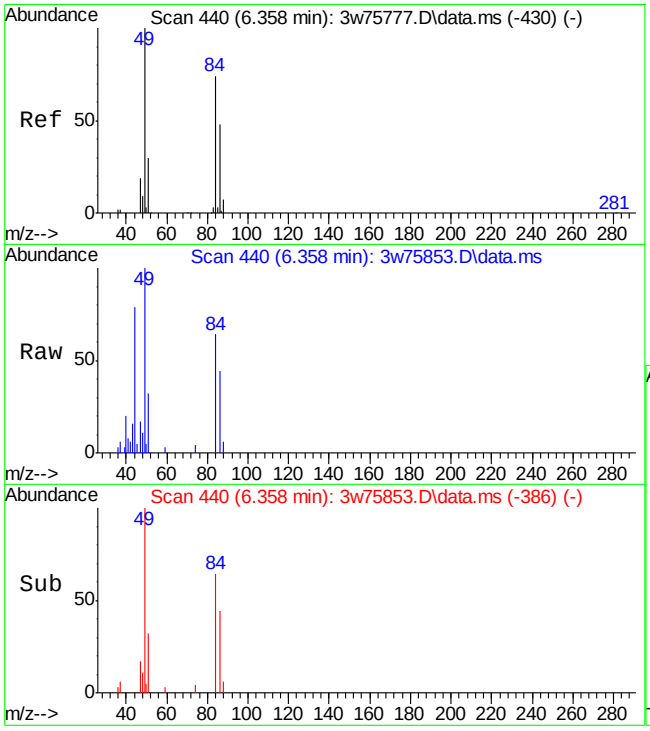


#28
ETHANOL
Concen: 31.99 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 45 Resp: 233031

Ion	Ratio	Lower	Upper
45	100		
46	35.2	14.9	54.9
42	11.0	0.0	30.1

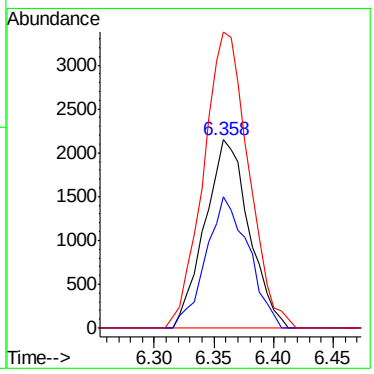


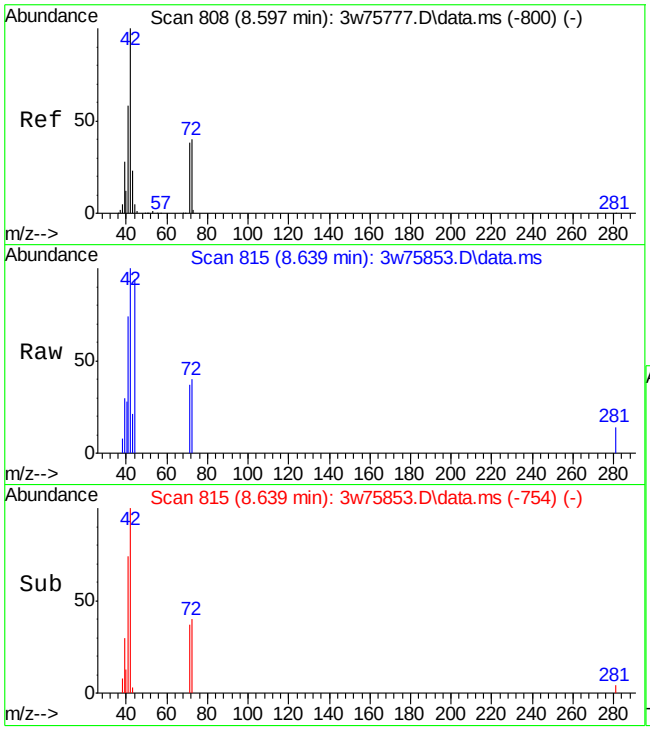


#31
METHYLENE CHLORIDE
Concen: 0.32 PPBV
RT: 6.358 min Scan# 440
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 84 Resp: 5543

Ion	Ratio	Lower	Upper
84	100		
86	67.3	45.6	85.6
49	160.7	0.0	337.9

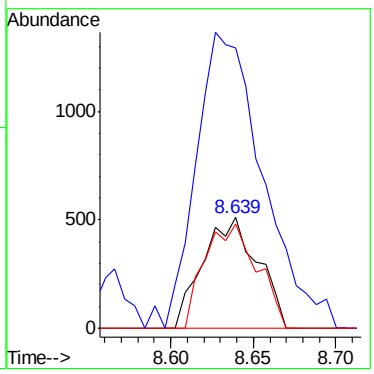


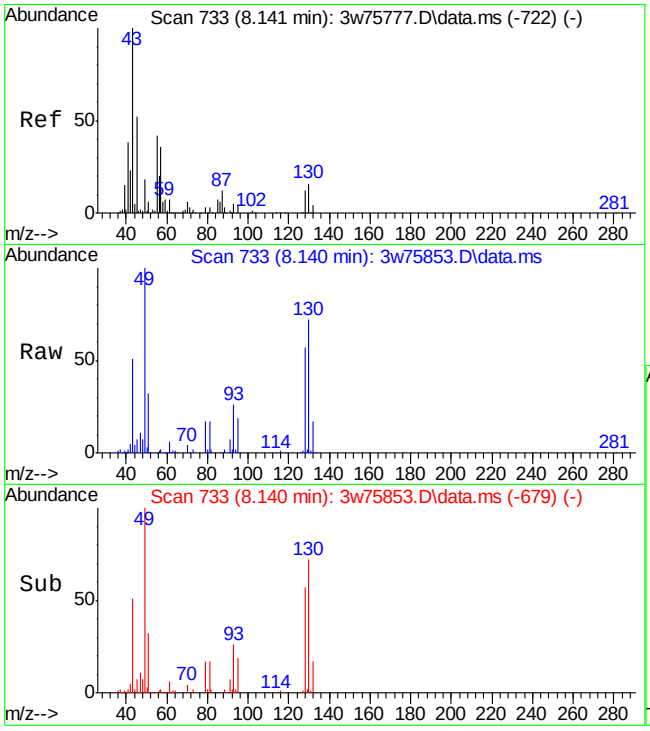


#37
TETRAHYDROFURAN
Concen: 0.14 PPBV
RT: 8.639 min Scan# 815
Delta R.T. 0.042 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 72 Resp: 1176

Ion	Ratio	Lower	Upper
72	100		
42	326.1	235.9	275.9#
71	90.1	77.1	117.1

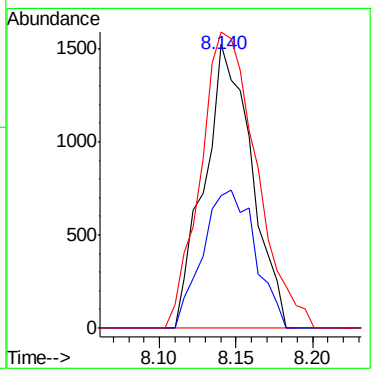


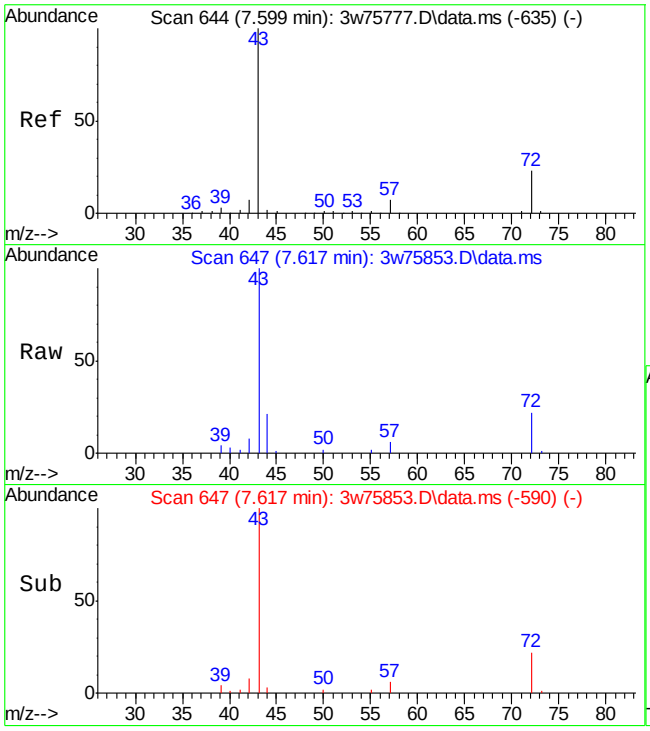


#38
HEXANE
Concen: 0.12 PPBV
RT: 8.140 min Scan# 733
Delta R.T. -0.001 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 57 Resp: 3265

Ion	Ratio	Lower	Upper
57	100		
56	54.0	34.6	74.6
41	124.0	107.4	147.4

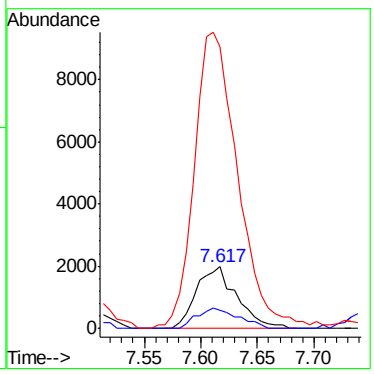


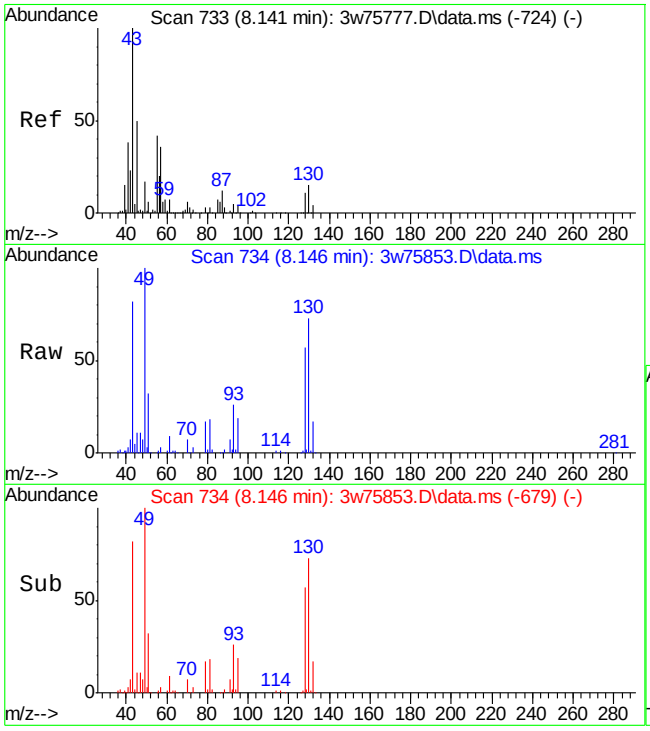


#41
METHYL ETHYL KETONE
Concen: 0.57 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 72 Resp: 4925

Ion	Ratio	Lower	Upper
72	100		
57	28.8	11.7	51.7
43	458.0	409.1	449.1#

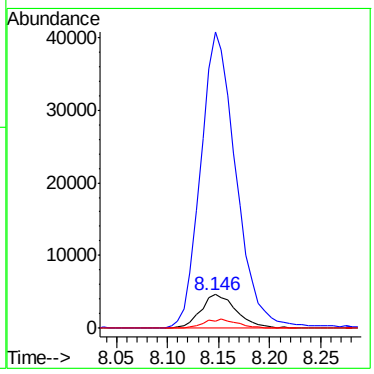


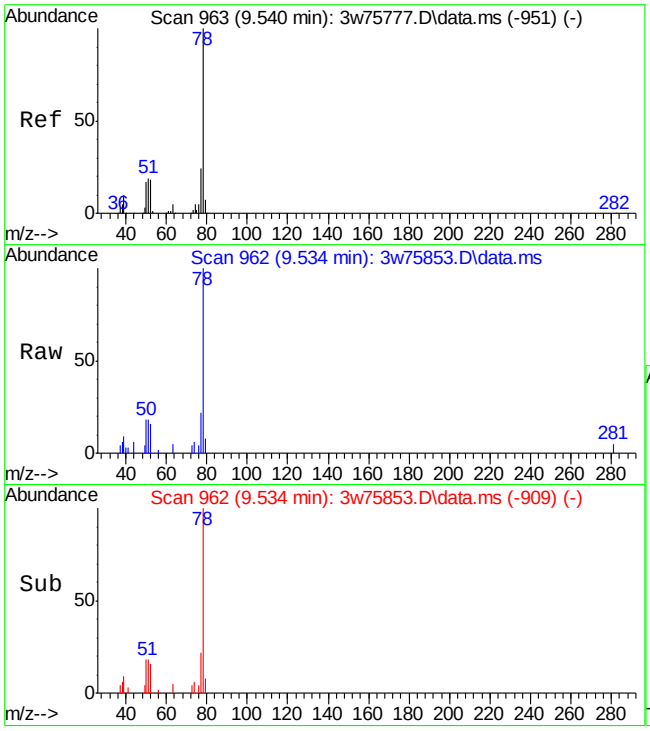


#44
ETHYL ACETATE
Concen: 1.92 PPBV
RT: 8.146 min Scan# 734
Delta R.T. 0.005 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 61 Resp: 11073

Ion	Ratio	Lower	Upper
61	100		
43	900.9	1591.1	1631.1#
88	24.9	23.8	63.8

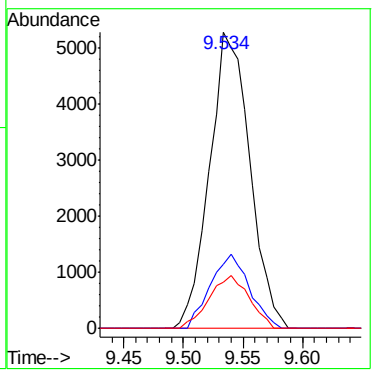


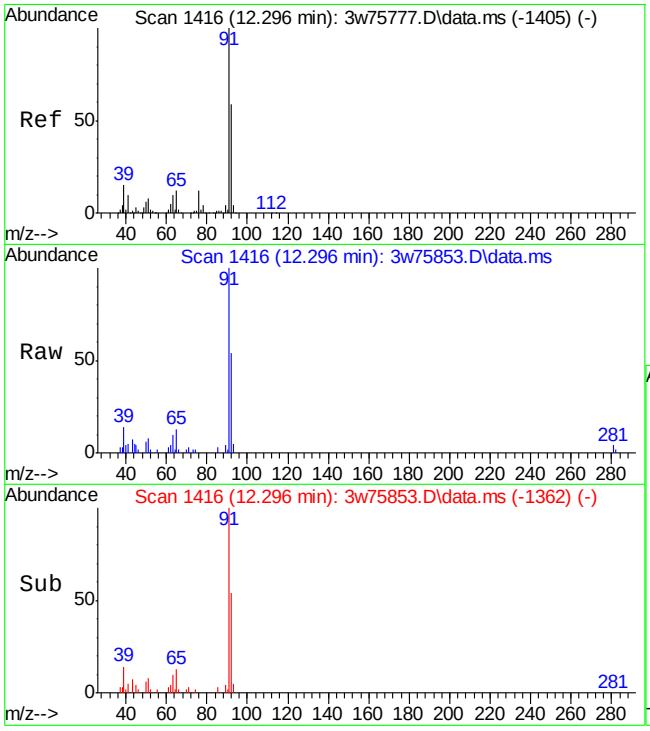


#52
BENZENE
Concen: 0.23 PPBV
RT: 9.534 min Scan# 962
Delta R.T. -0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 78 Resp: 12470

Ion	Ratio	Lower	Upper
78	100		
77	24.1	3.4	43.4
52	17.8	0.0	37.0

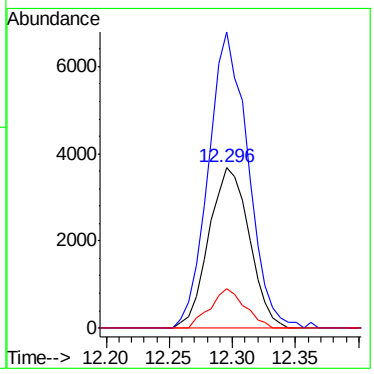


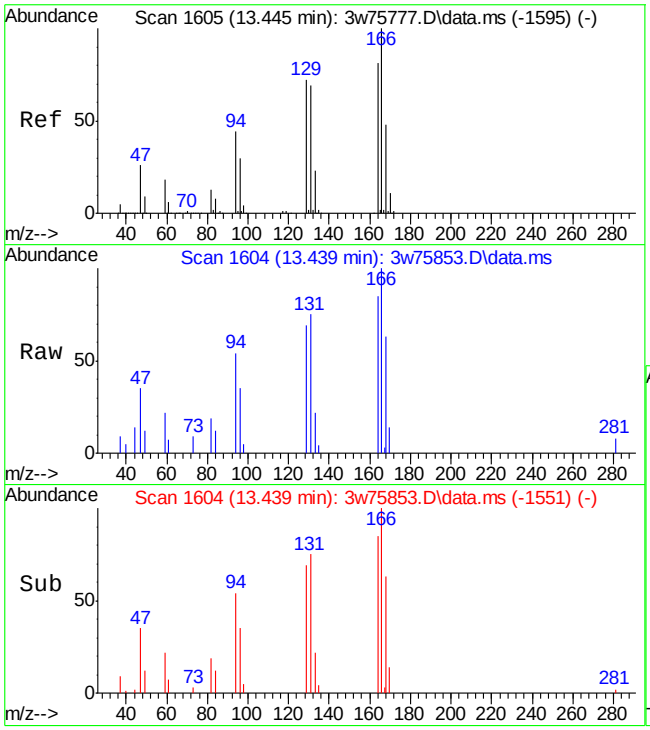


#66
TOLUENE
Concen: 0.21 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion: 92 Resp: 8184

Ion	Ratio	Lower	Upper
92	100		
91	180.6	150.3	190.3
65	21.0	2.5	42.5

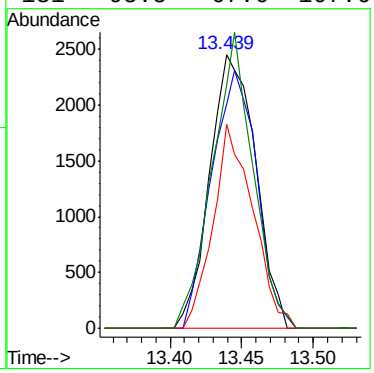




#73
TETRACHLOROETHYLENE
Concen: 0.18 PPBV
RT: 13.439 min Scan# 1604
Delta R.T. -0.006 min
Lab File: 3w75853.D
Acq: 26 Apr 2022 8:55 pm

Tgt Ion:164 Resp: 5468

Ion	Ratio	Lower	Upper
164	100		
129	92.9	69.5	109.5
168	65.2	40.9	80.9
131	95.5	67.6	107.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75854.D
Acq On : 26 Apr 2022 9:41 pm
Operator : thomash
Sample : jd42150-6
Misc : MS57846,V3W2984,400,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 29 12:33:01 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

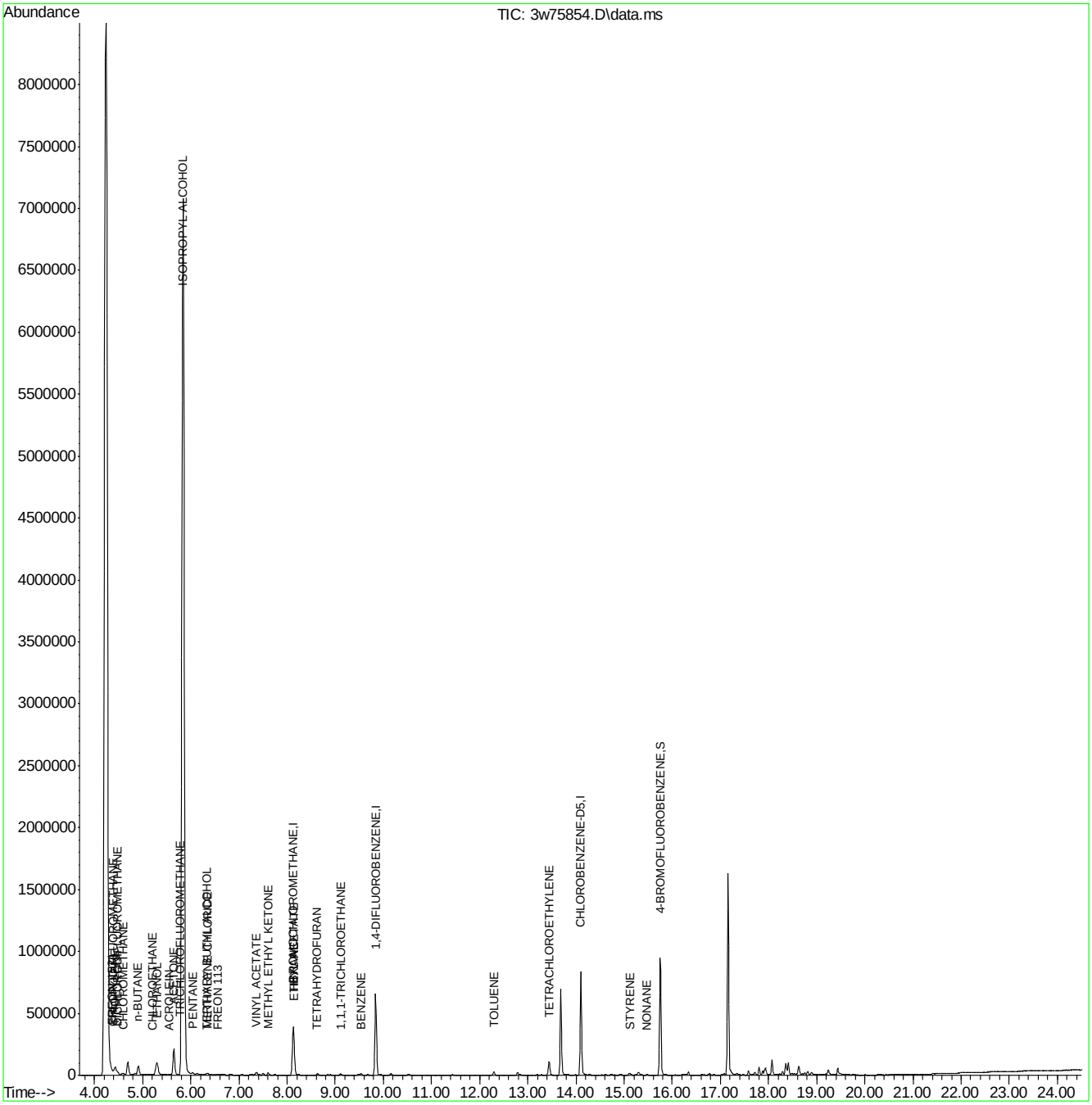
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	123280	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	616409	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	315992	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	380369	11.33	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.30%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	2420	0.24	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.393	67	1712	0.32	PPBV		85
6) DICHLORODIFLUOROMETHANE	4.472	85	25807	0.46	PPBV		98
7) PROPYLENE	4.423	41	20141	1.29	PPBV	#	57
10) CHLOROMETHANE	4.594	52	3162	0.67	PPBV		96
13) n-BUTANE	4.904	43	87086	3.67	PPBV	#	94
15) CHLOROETHANE	5.202	64	797	0.11	PPBV	#	83
18) ACROLEIN	5.549	56	2689	0.49	PPBV		87
21) TRICHLOROFLUOROMETHANE	5.780	101	11668	0.23	PPBV		98
22) ISOPROPYL ALCOHOL	5.841	45	13839220	405.83	PPBV		88
23) ACETONE	5.646	58	90311	10.85	PPBV		96
24) PENTANE	6.042	42	5285	0.28	PPBV	#	54
28) ETHANOL	5.293	45	200605	29.40	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	5707	0.35	PPBV		86
33) FREON 113	6.559	151	3025	0.10	PPBV		99
35) TERTIARY BUTYL ALCOHOL	6.327	59	8695	0.26	PPBV	#	27
37) TETRAHYDROFURAN	8.621	72	3535	0.44	PPBV	#	67
38) HEXANE	8.140	57	3756	0.14	PPBV		96
39) VINYL ACETATE	7.362	86	3886	1.35	PPBV	#	50
41) METHYL ETHYL KETONE	7.605	72	5781	0.71	PPBV	#	86
44) ETHYL ACETATE	8.146	61	11812	2.18	PPBV	#	1
48) 1,1,1-TRICHLOROETHANE	9.120	97	8683	0.19	PPBV		96
52) BENZENE	9.540	78	12450	0.24	PPBV		98
66) TOLUENE	12.295	92	12342	0.34	PPBV		99
73) TETRACHLOROETHYLENE	13.445	164	31985	1.07	PPBV		99
82) STYRENE	15.118	104	5181	0.11	PPBV		97
83) NONANE	15.471	43	4585	0.11	PPBV	#	83

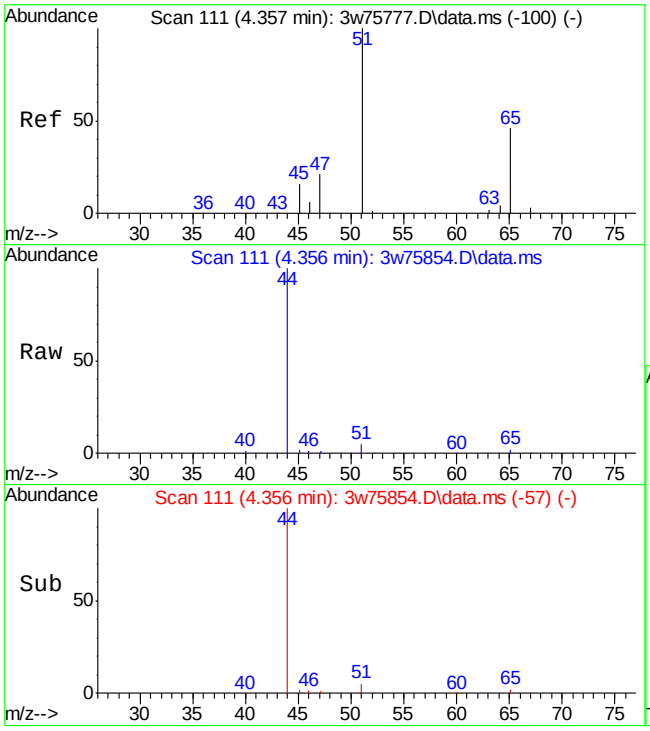
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75854.D
Acq On : 26 Apr 2022 9:41 pm
Operator : thomash
Sample : jd42150-6
Misc : MS57846,V3W2984,400,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 29 12:33:01 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

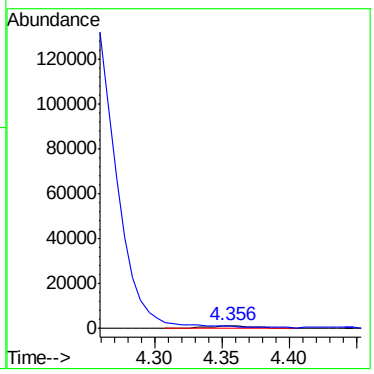


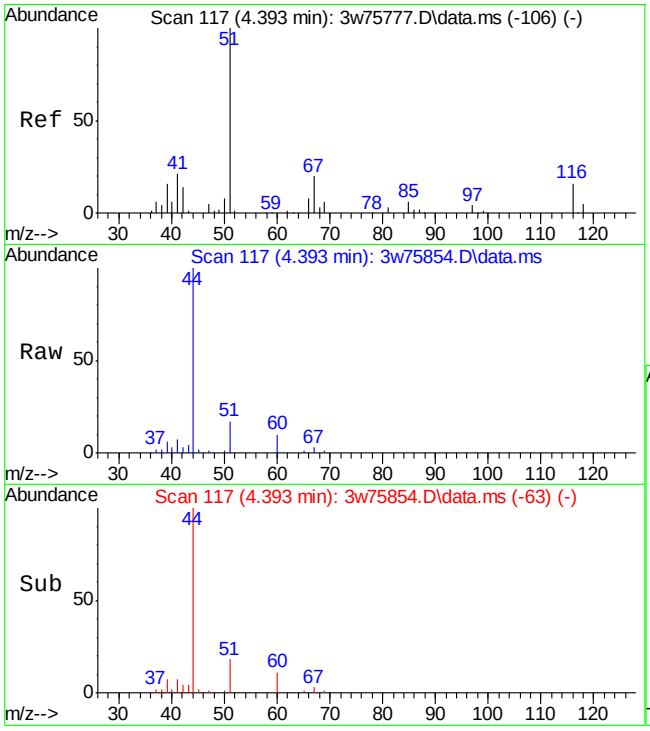


#3
FREON 152A
Concen: 0.24 PPBV
RT: 4.356 min Scan# 111
Delta R.T. -0.001 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 65 Resp: 2420

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

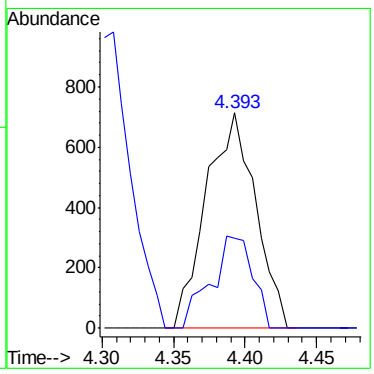


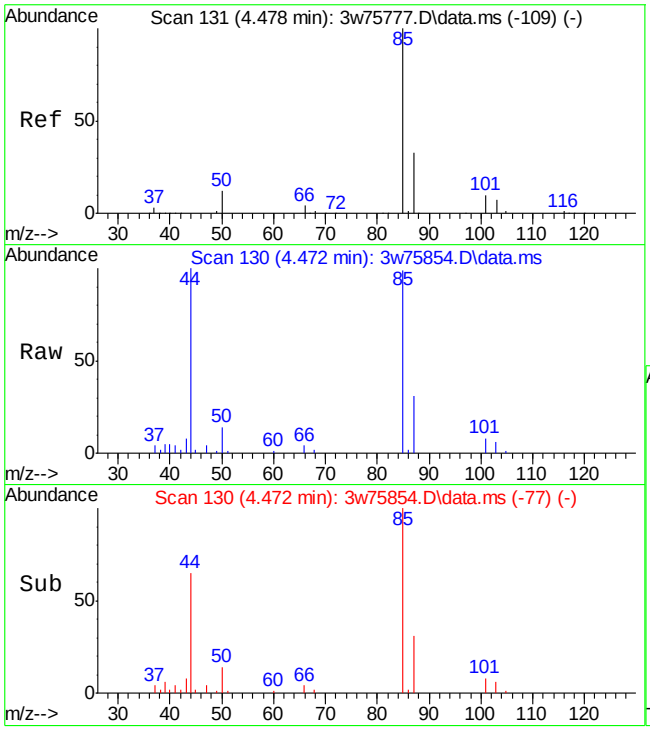


#4
CHLORODIFLUOROMETHANE
Concen: 0.32 PPBV
RT: 4.393 min Scan# 117
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 67 Resp: 1712

Ion	Ratio	Lower	Upper
67	100		
69	41.7	13.0	53.0

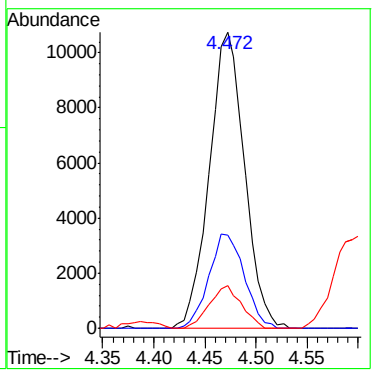


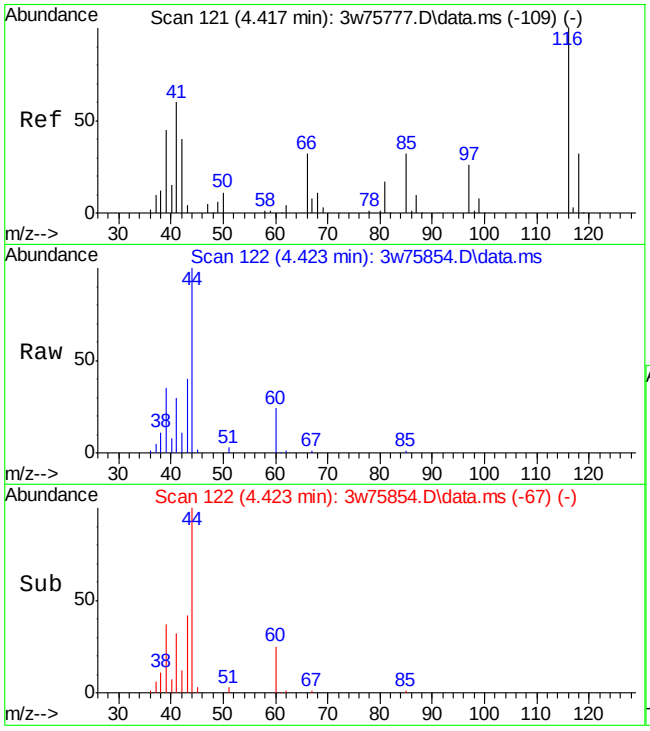


#6
DICHLORODIFLUOROMETHANE
Concen: 0.46 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 85 Resp: 25807

Ion	Ratio	Lower	Upper
85	100		
87	32.0	12.5	52.5
50	13.2	0.0	30.4

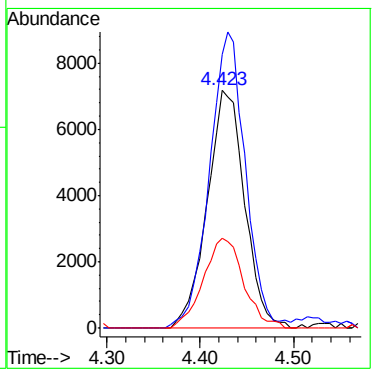


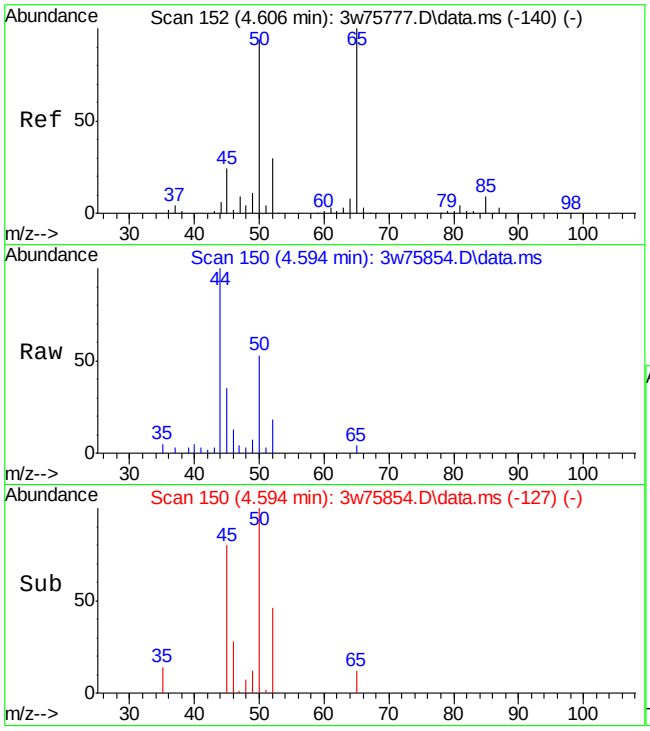


#7
PROPYLENE
Concen: 1.29 PPBV
RT: 4.423 min Scan# 122
Delta R.T. 0.006 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 41 Resp: 20141

Ion	Ratio	Lower	Upper
41	100		
39	119.7	54.9	94.9#
42	40.8	45.4	85.4#

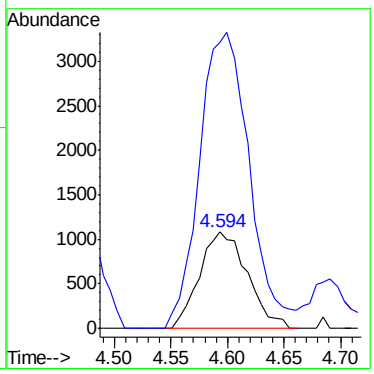


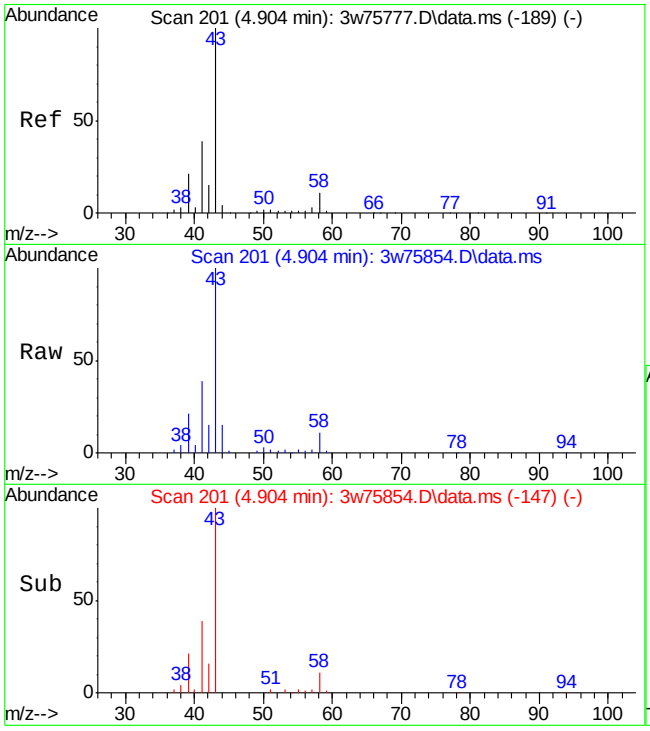


#10
CHLOROMETHANE
Concen: 0.67 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 52 Resp: 3162

Ion	Ratio	Lower	Upper
52	100		
50	288.3	276.8	316.8

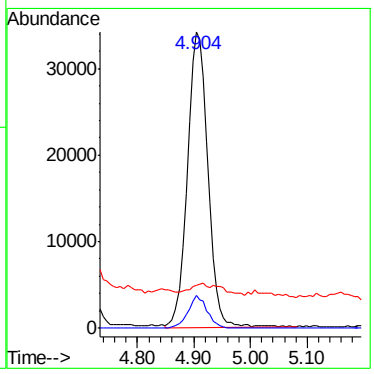


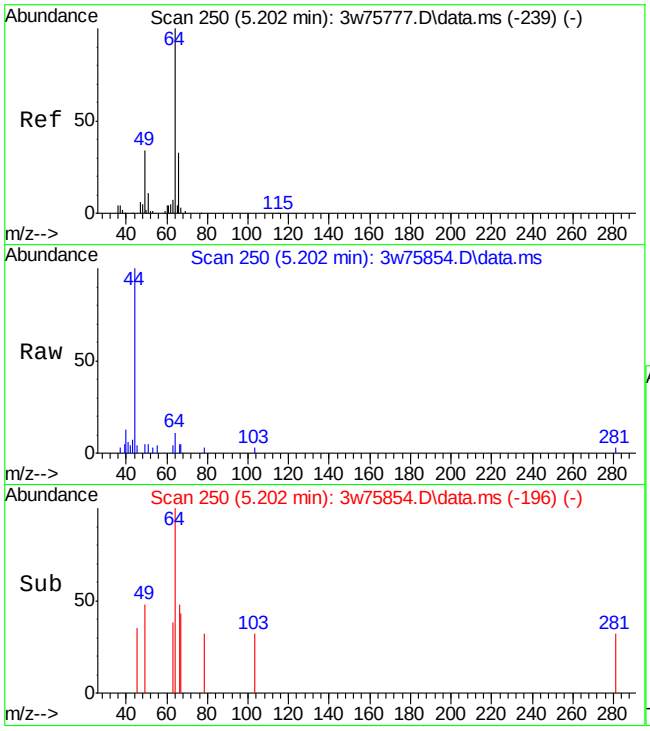


#13
n-BUTANE
Concen: 3.67 PPBV
RT: 4.904 min Scan# 201
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 43 Resp: 87086

Ion	Ratio	Lower	Upper
43	100		
58	10.0	0.0	31.2
44	0.0	0.0	24.6

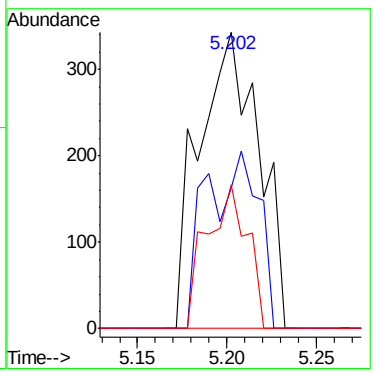


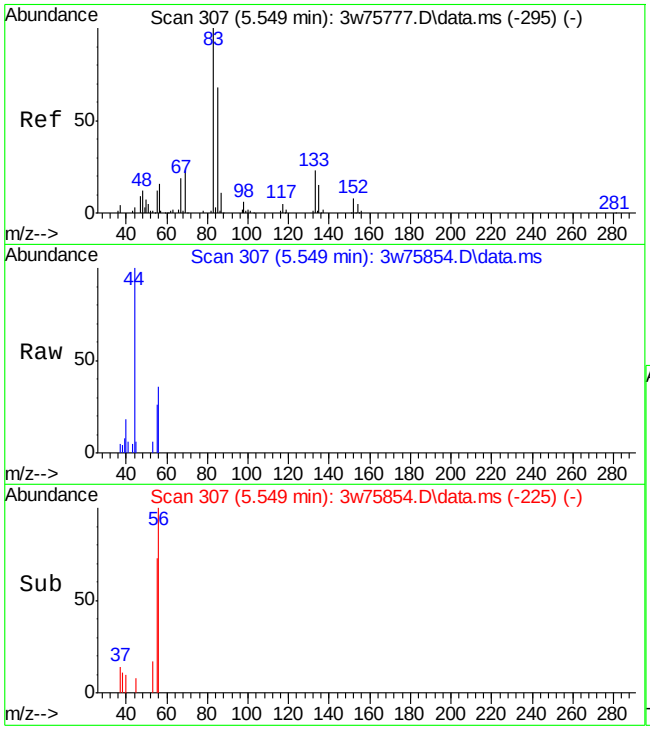


#15
CHLOROETHANE
Concen: 0.11 PPBV
RT: 5.202 min Scan# 250
Delta R.T. 0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 64 Resp: 797

Ion	Ratio	Lower	Upper
64	100		
66	52.1	29.7	69.7
49	33.0	34.1	74.1#

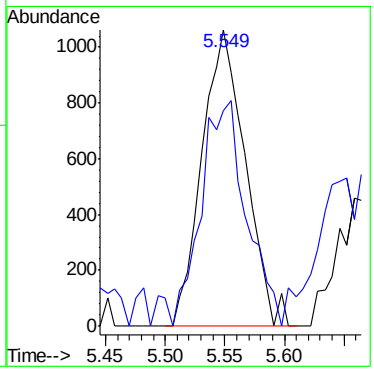


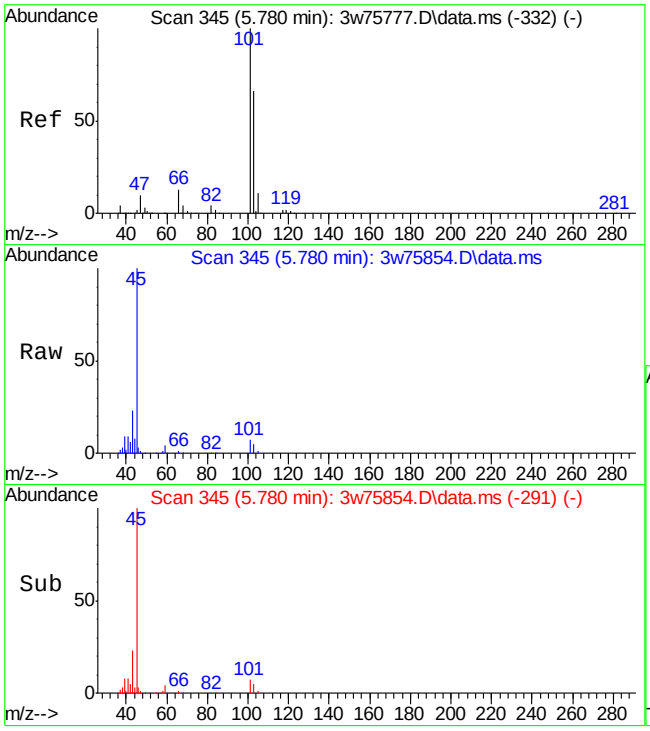


#18
ACROLEIN
Concen: 0.49 PPBV
RT: 5.549 min Scan# 307
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 56 Resp: 2689

Ion	Ratio	Lower	Upper
56	100		
55	79.1	55.0	82.6

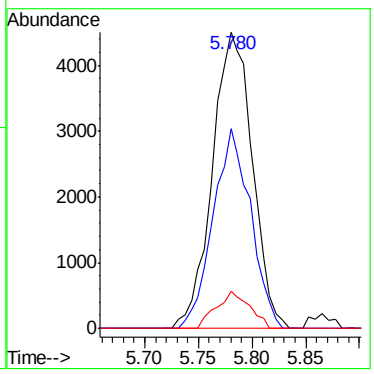


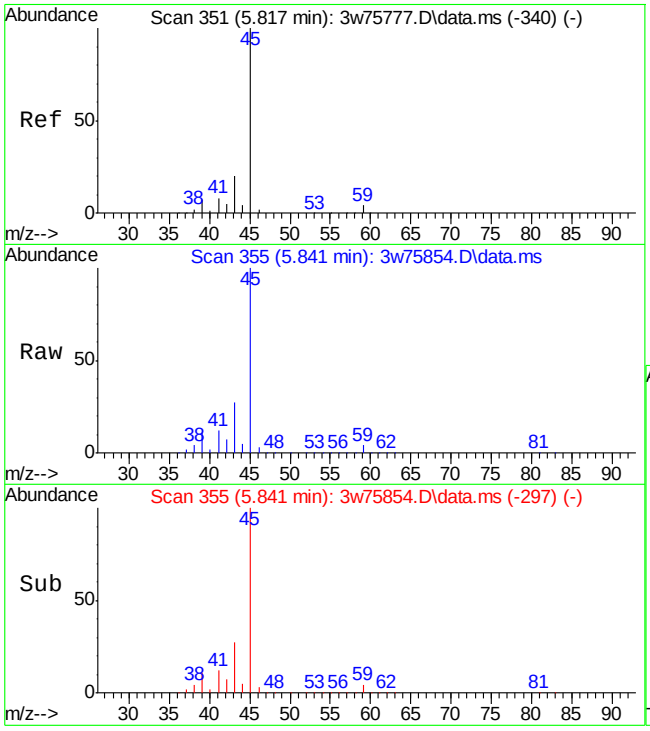


#21
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 5.780 min Scan# 345
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion:101 Resp: 11668

Ion	Ratio	Lower	Upper
101	100		
103	63.2	44.8	84.8
105	10.4	0.0	30.5

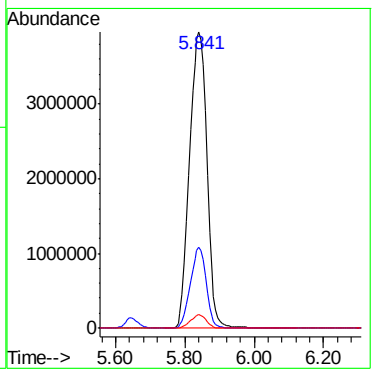


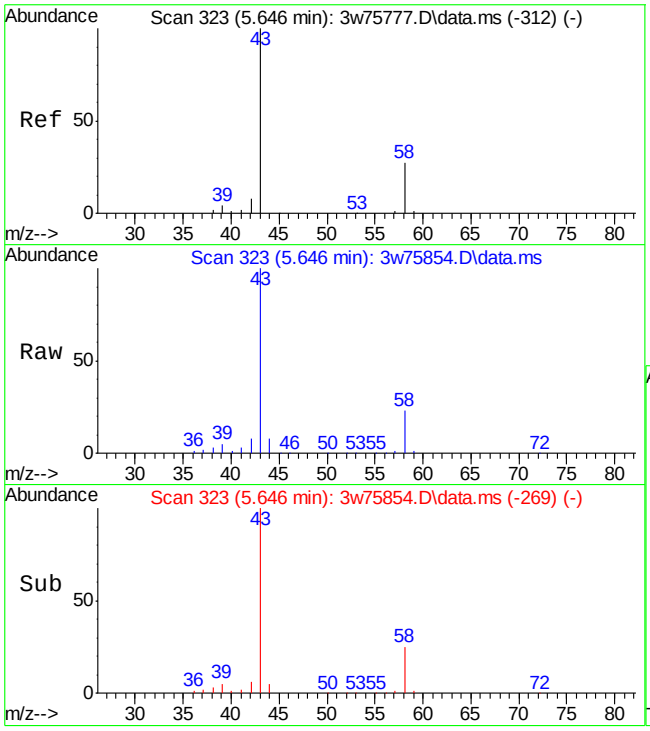


#22
ISOPROPYL ALCOHOL
Concen: 405.83 PPBV
RT: 5.841 min Scan# 355
Delta R.T. 0.024 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 45 Resp:13839220

Ion	Ratio	Lower	Upper
45	100		
43	27.2	0.7	40.7
59	4.4	0.0	23.6

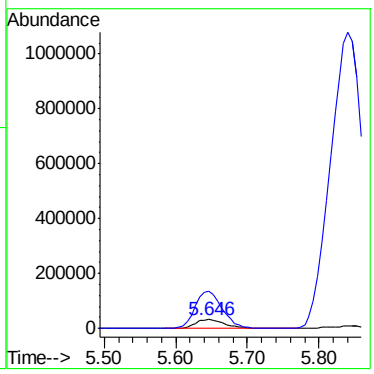


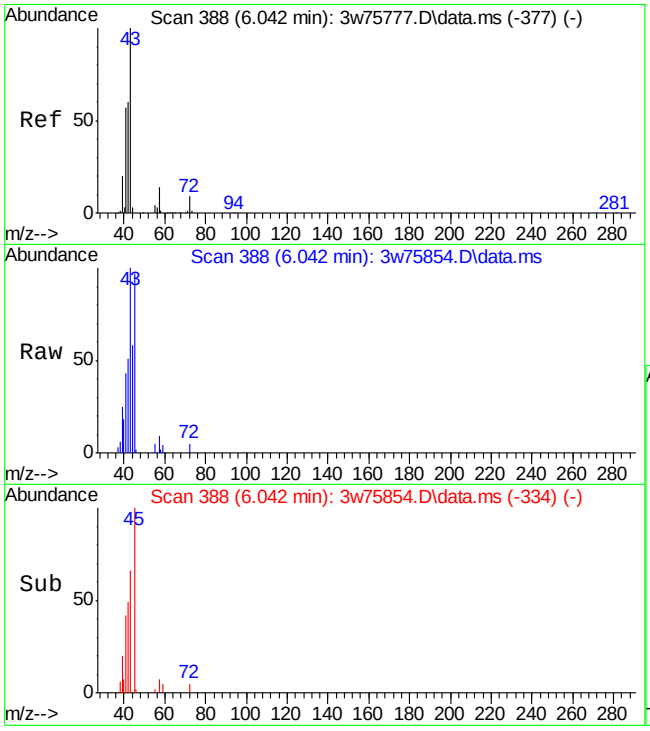


#23
ACETONE
Concen: 10.85 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 58 Resp: 90311

Ion	Ratio	Lower	Upper
58	100		
43	392.1	362.9	402.9

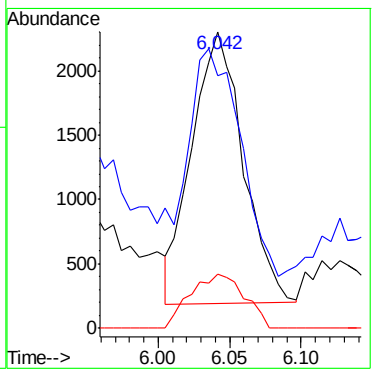


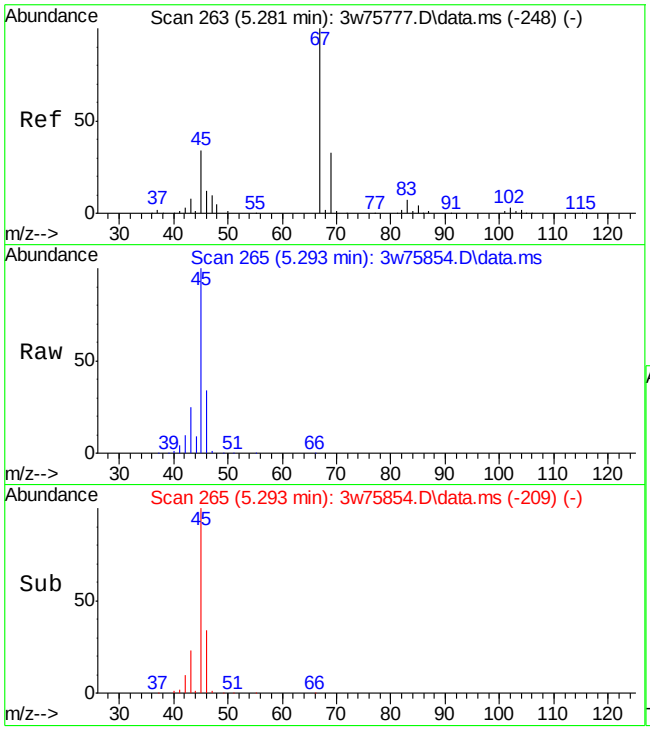


#24
PENTANE
Concen: 0.28 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 42 Resp: 5285

Ion	Ratio	Lower	Upper
42	100		
41	147.9	73.3	113.3#
57	21.0	4.4	44.4

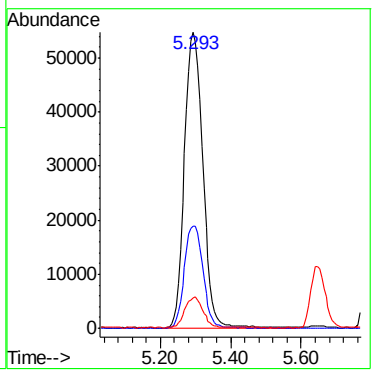


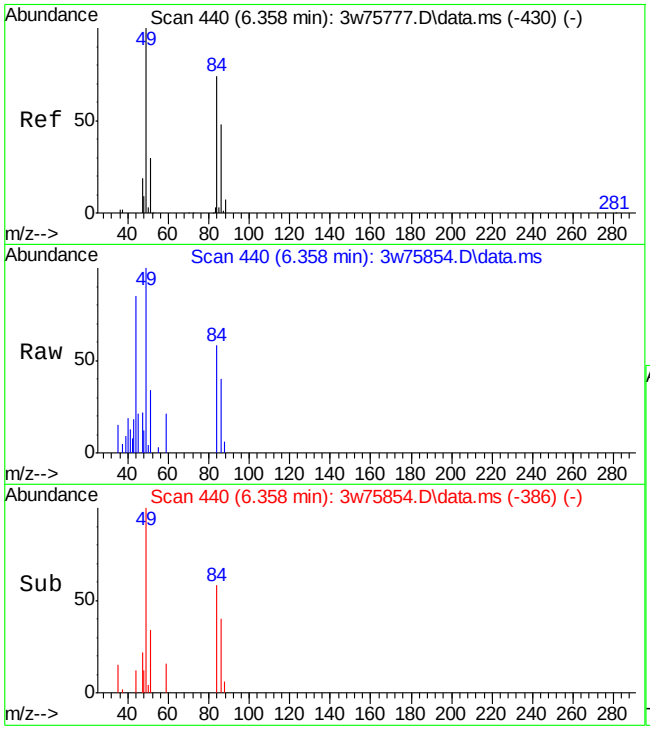


#28
ETHANOL
Concen: 29.40 PPBV
RT: 5.293 min Scan# 265
Delta R.T. 0.012 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 45 Resp: 200605

Ion	Ratio	Lower	Upper
45	100		
46	34.9	14.9	54.9
42	11.3	0.0	30.1

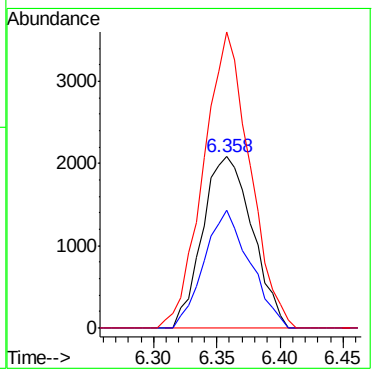


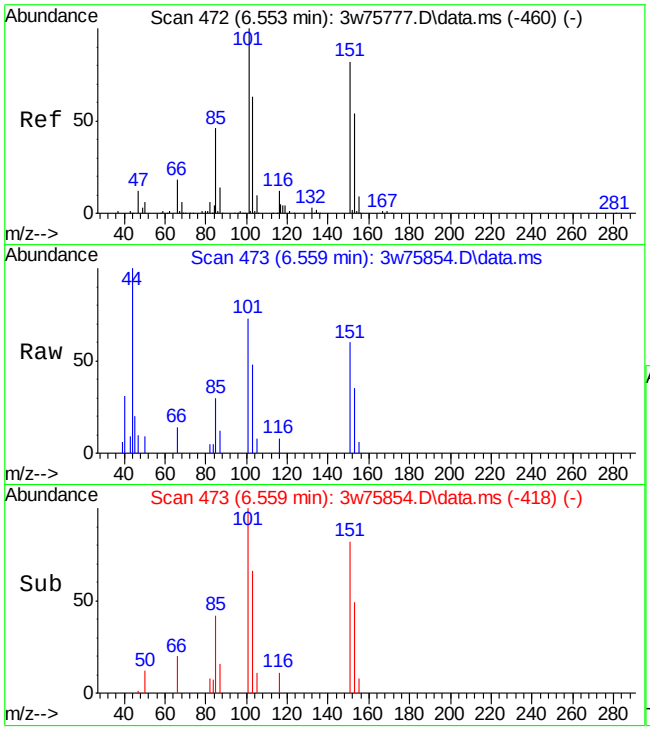


#31
METHYLENE CHLORIDE
Concen: 0.35 PPBV
RT: 6.358 min Scan# 440
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 84 Resp: 5707

Ion	Ratio	Lower	Upper
84	100		
86	63.3	45.6	85.6
49	160.7	0.0	337.9

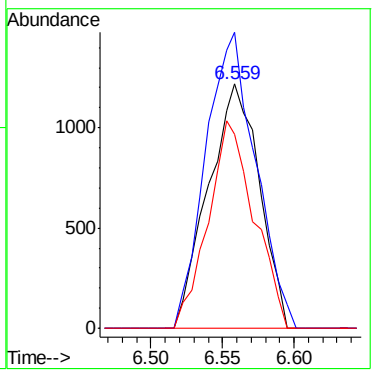


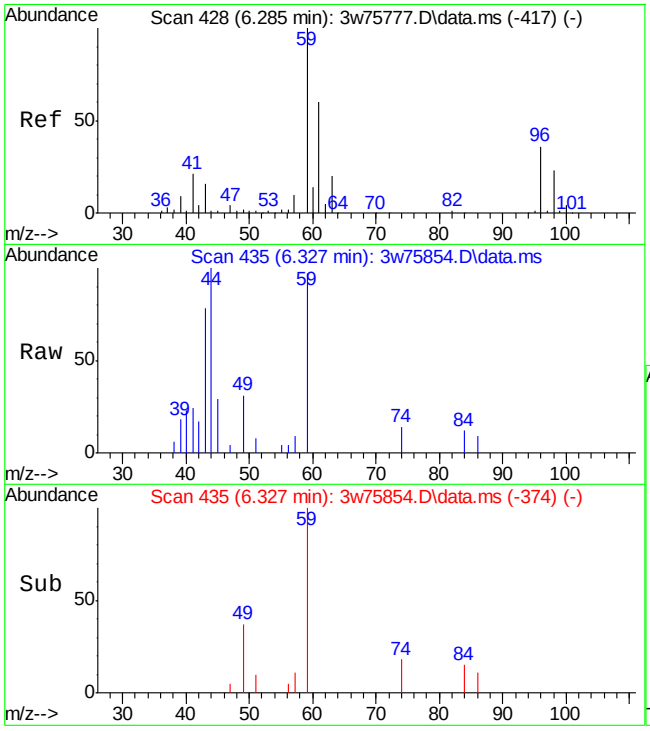


#33
FREON 113
Concen: 0.10 PPBV
RT: 6.559 min Scan# 473
Delta R.T. 0.006 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion:151 Resp: 3025

Ion	Ratio	Lower	Upper
151	100		
101	118.6	100.5	140.5
103	76.5	56.7	96.7

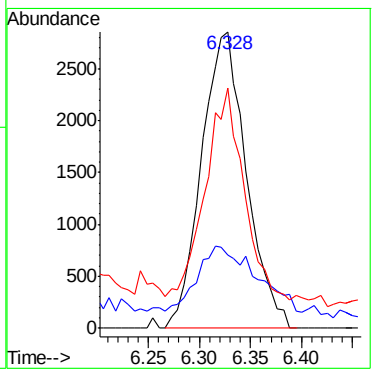


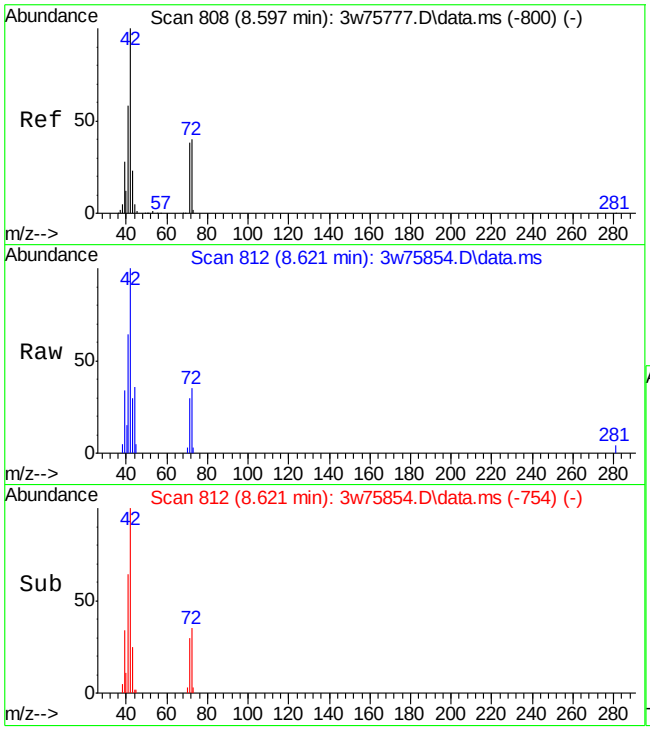


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.26 PPBV
RT: 6.327 min Scan# 435
Delta R.T. 0.042 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 59 Resp: 8695

Ion	Ratio	Lower	Upper
59	100		
41	34.5	2.3	42.3
43	75.3	0.0	35.9#

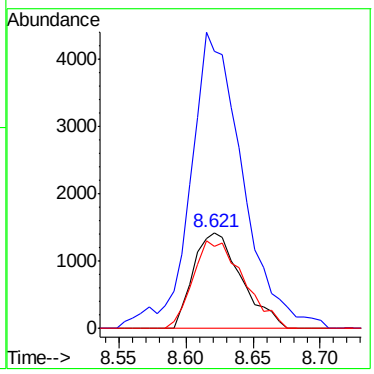


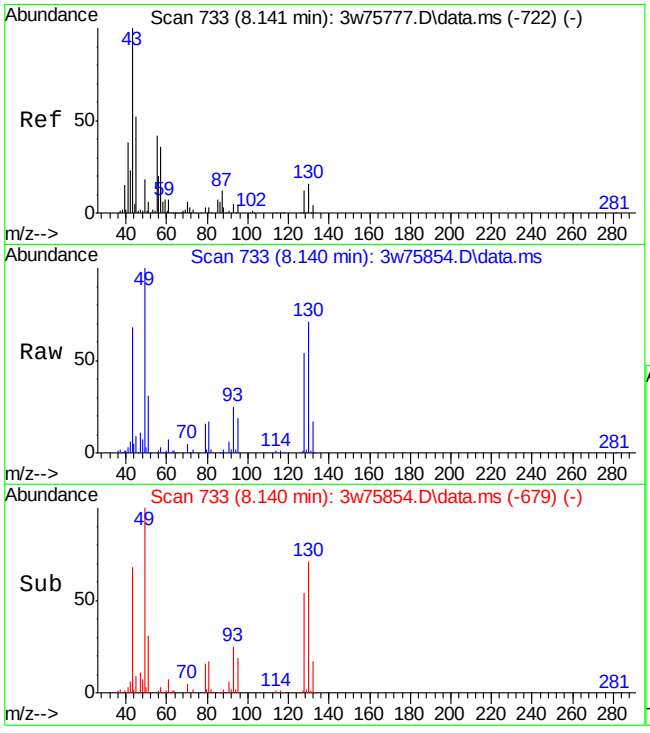


#37
TETRAHYDROFURAN
Concen: 0.44 PPBV
RT: 8.621 min Scan# 812
Delta R.T. 0.024 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 72 Resp: 3535

Ion	Ratio	Lower	Upper
72	100		
42	337.0	235.9	275.9#
71	97.2	77.1	117.1

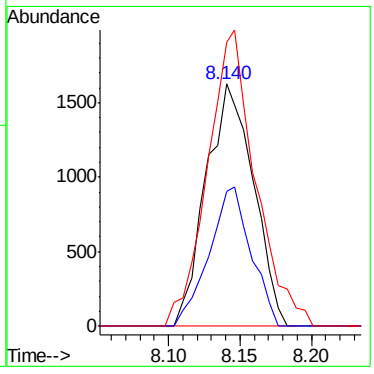


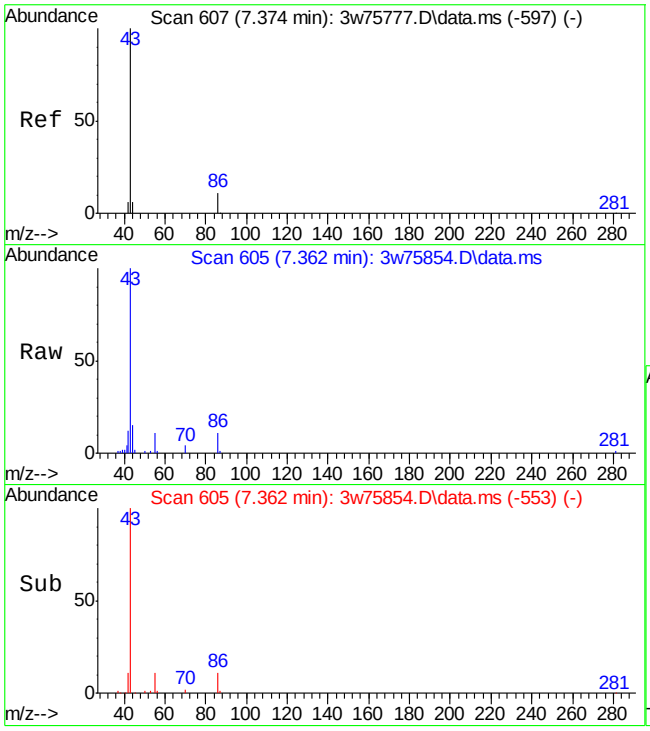


#38
HEXANE
Concen: 0.14 PPBV
RT: 8.140 min Scan# 733
Delta R.T. -0.001 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 57 Resp: 3756

Ion	Ratio	Lower	Upper
57	100		
56	50.7	34.6	74.6
41	123.1	107.4	147.4

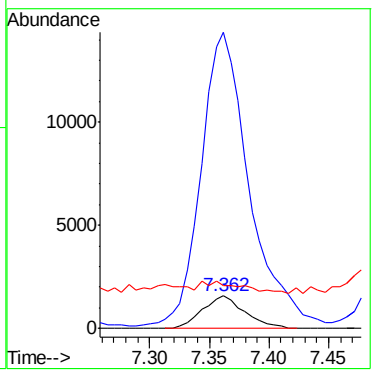


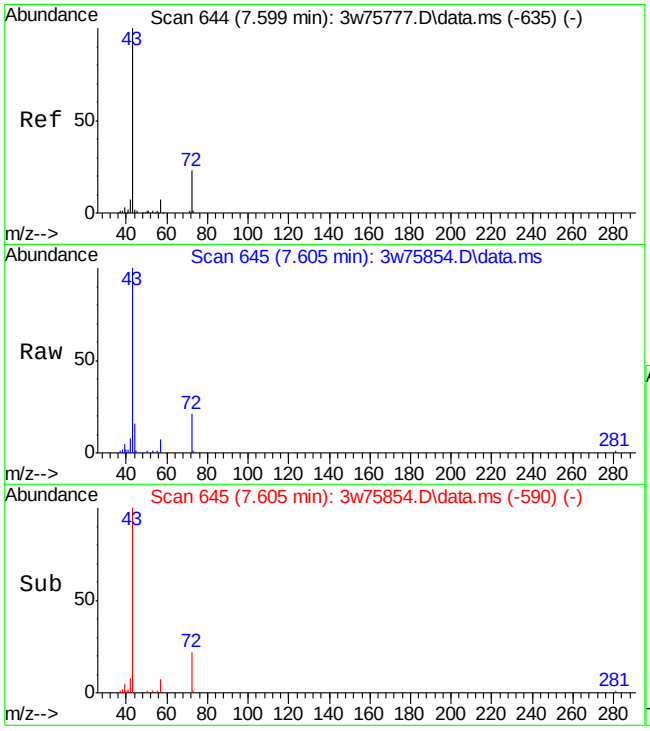


#39
VINYL ACETATE
Concen: 1.35 PPBV
RT: 7.362 min Scan# 605
Delta R.T. -0.012 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 86 Resp: 3886

Ion	Ratio	Lower	Upper
86	100		
43	1031.2	1267.8	1307.8#
44	0.0	43.5	83.5#

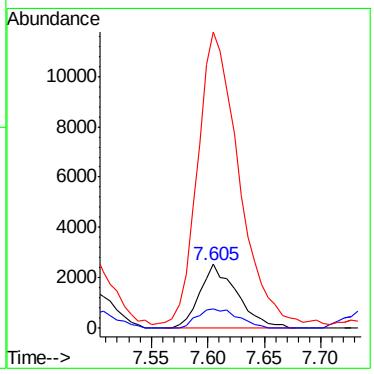


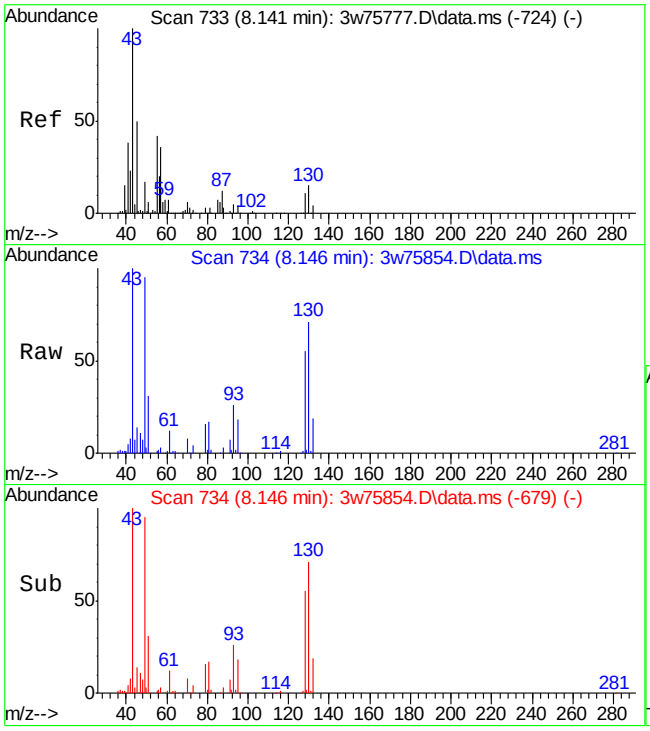


#41
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 7.605 min Scan# 645
Delta R.T. 0.006 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 72 Resp: 5781

Ion	Ratio	Lower	Upper
72	100		
57	30.9	11.7	51.7
43	466.4	409.1	449.1#

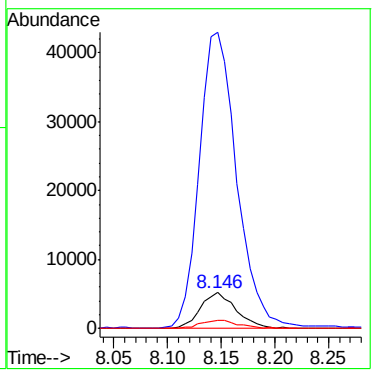


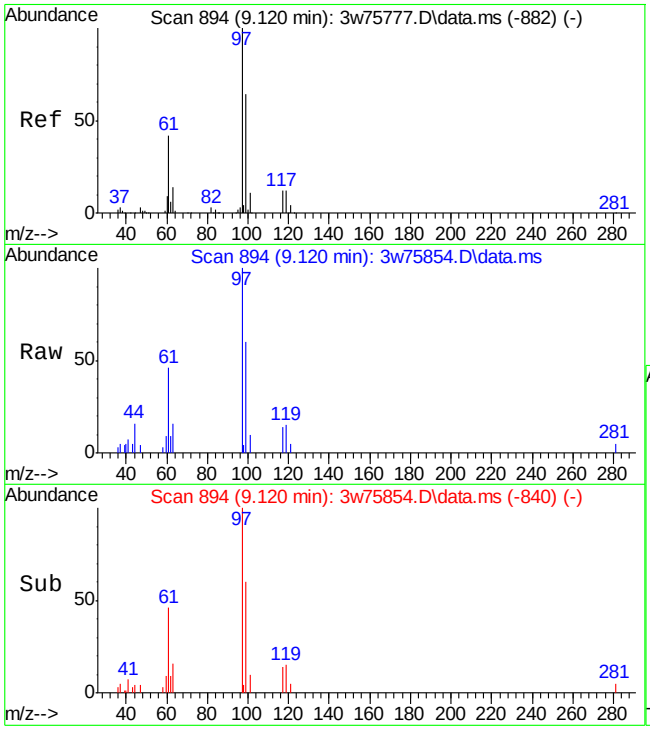


#44
ETHYL ACETATE
Concen: 2.18 PPBV
RT: 8.146 min Scan# 734
Delta R.T. 0.005 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 61 Resp: 11812

Ion	Ratio	Lower	Upper
61	100		
43	892.6	1591.1	1631.1#
88	23.9	23.8	63.8

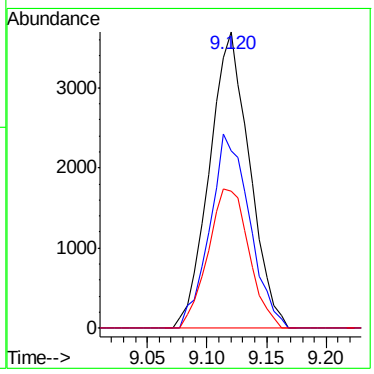


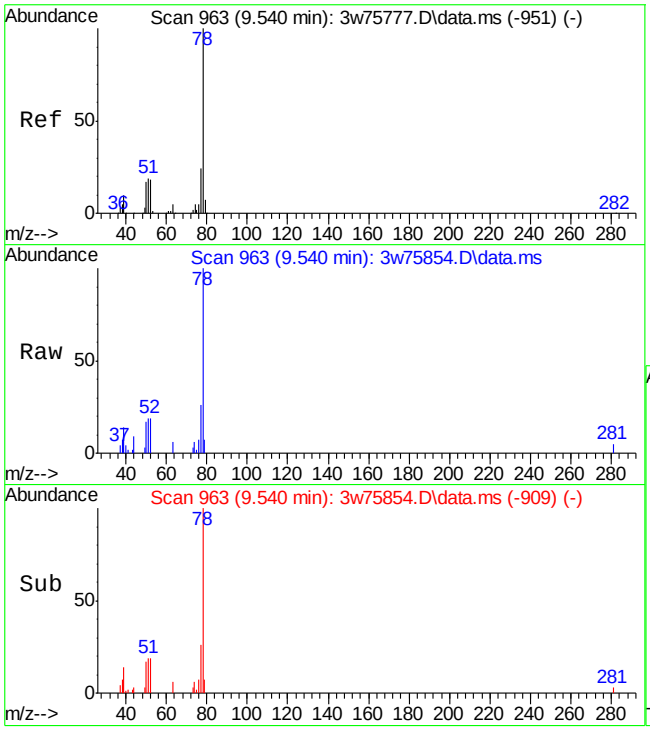


#48
1,1,1-TRICHLOROETHANE
Concen: 0.19 PPBV
RT: 9.120 min Scan# 894
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 97 Resp: 8683

Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.1	84.1
61	48.0	22.3	62.3

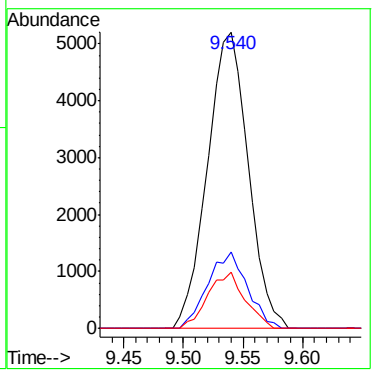


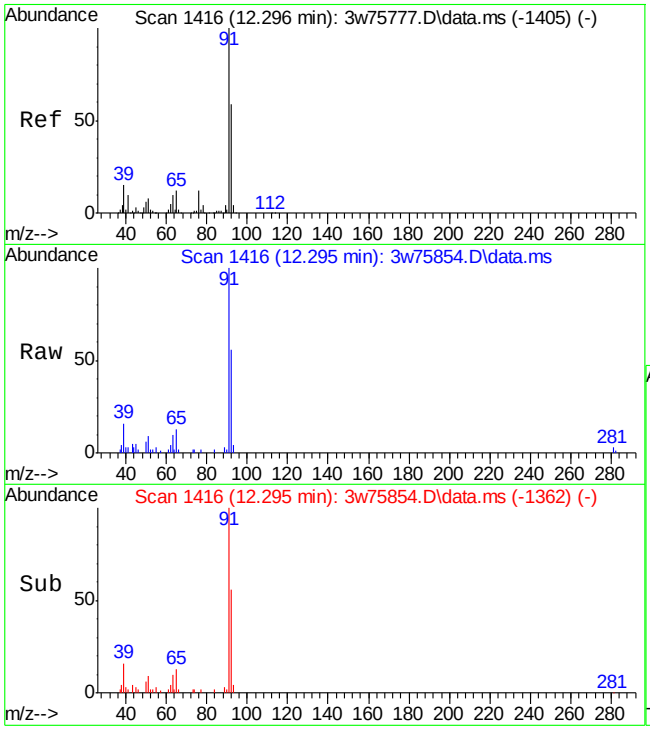


#52
BENZENE
Concen: 0.24 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 78 Resp: 12450

Ion	Ratio	Lower	Upper
78	100		
77	24.9	3.4	43.4
52	17.2	0.0	37.0

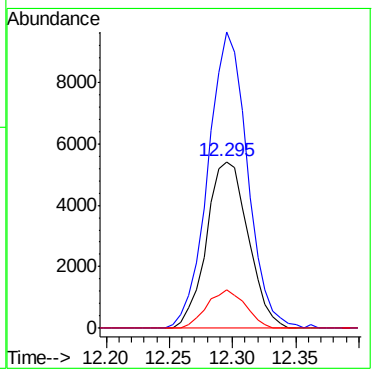


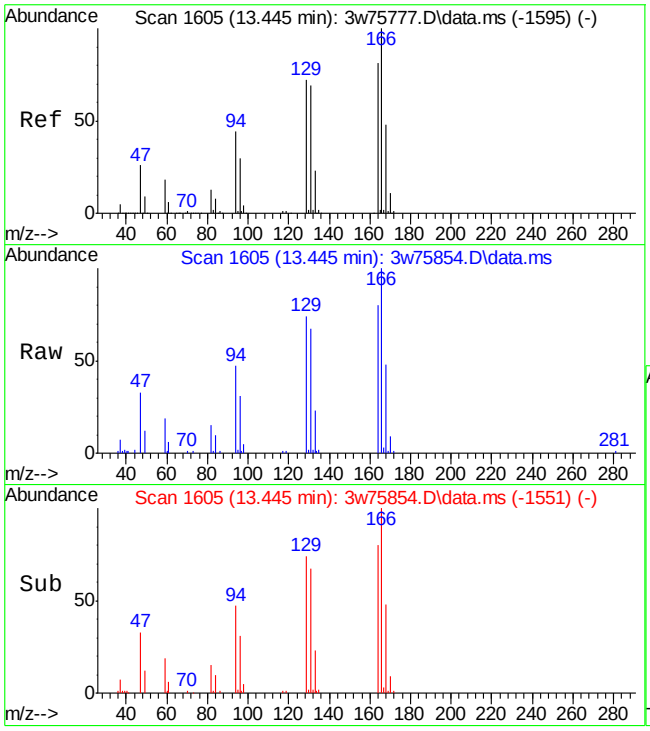


#66
TOLUENE
Concen: 0.34 PPBV
RT: 12.295 min Scan# 1416
Delta R.T. -0.001 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 92 Resp: 12342

Ion	Ratio	Lower	Upper
92	100		
91	169.2	150.3	190.3
65	21.3	2.5	42.5

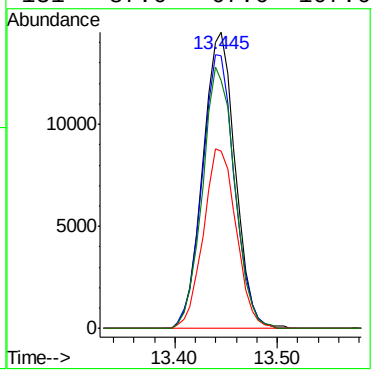


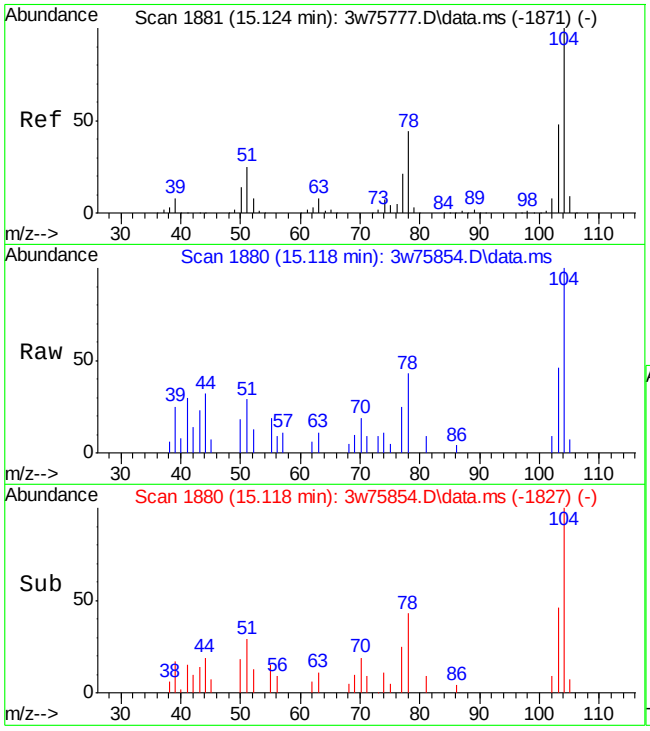


#73
TETRACHLOROETHYLENE
Concen: 1.07 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion:164 Resp: 31985

Ion	Ratio	Lower	Upper
164	100		
129	92.4	69.5	109.5
168	61.4	40.9	80.9
131	87.6	67.6	107.6

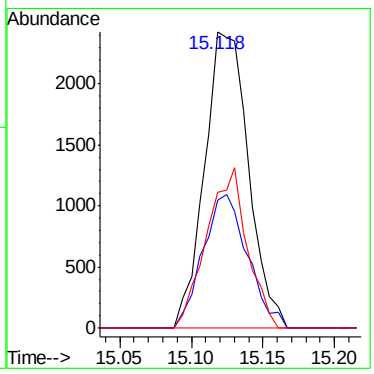


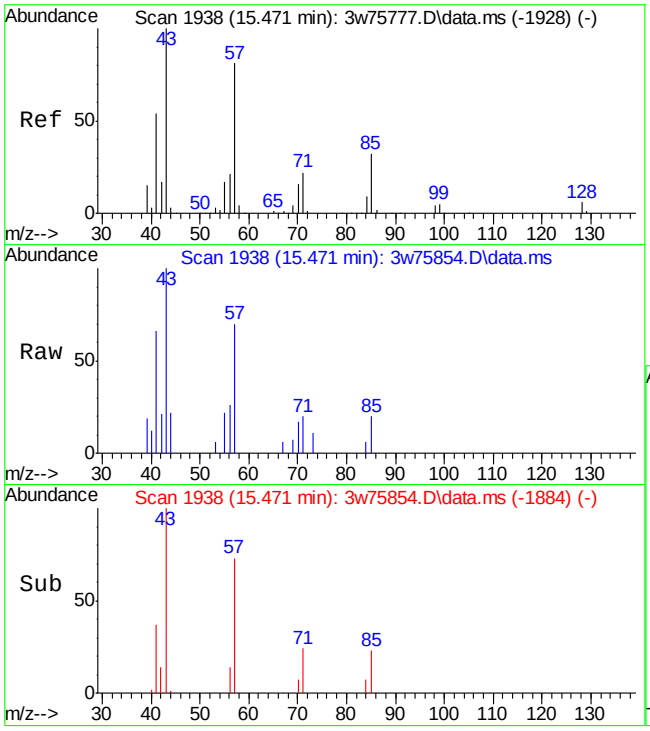


#82
STYRENE
Concen: 0.11 PPBV
RT: 15.118 min Scan# 1880
Delta R.T. -0.006 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion:104 Resp: 5181

Ion	Ratio	Lower	Upper
104	100		
78	45.9	23.9	63.9
103	49.7	28.1	68.1

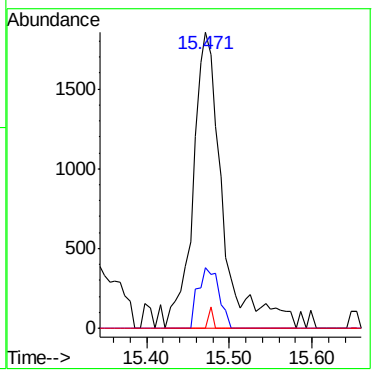




#83
NONANE
Concen: 0.11 PPBV
RT: 15.471 min Scan# 1938
Delta R.T. 0.000 min
Lab File: 3w75854.D
Acq: 26 Apr 2022 9:41 pm

Tgt Ion: 43 Resp: 4585

Ion	Ratio	Lower	Upper
43	100		
71	14.5	2.4	42.4
128	0.0	0.0	25.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75855.D
Acq On : 26 Apr 2022 10:27 pm
Operator : thomash
Sample : jd42150-8
Misc : MS57846,V3W2984,400,,,,2.21
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 29 12:36:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

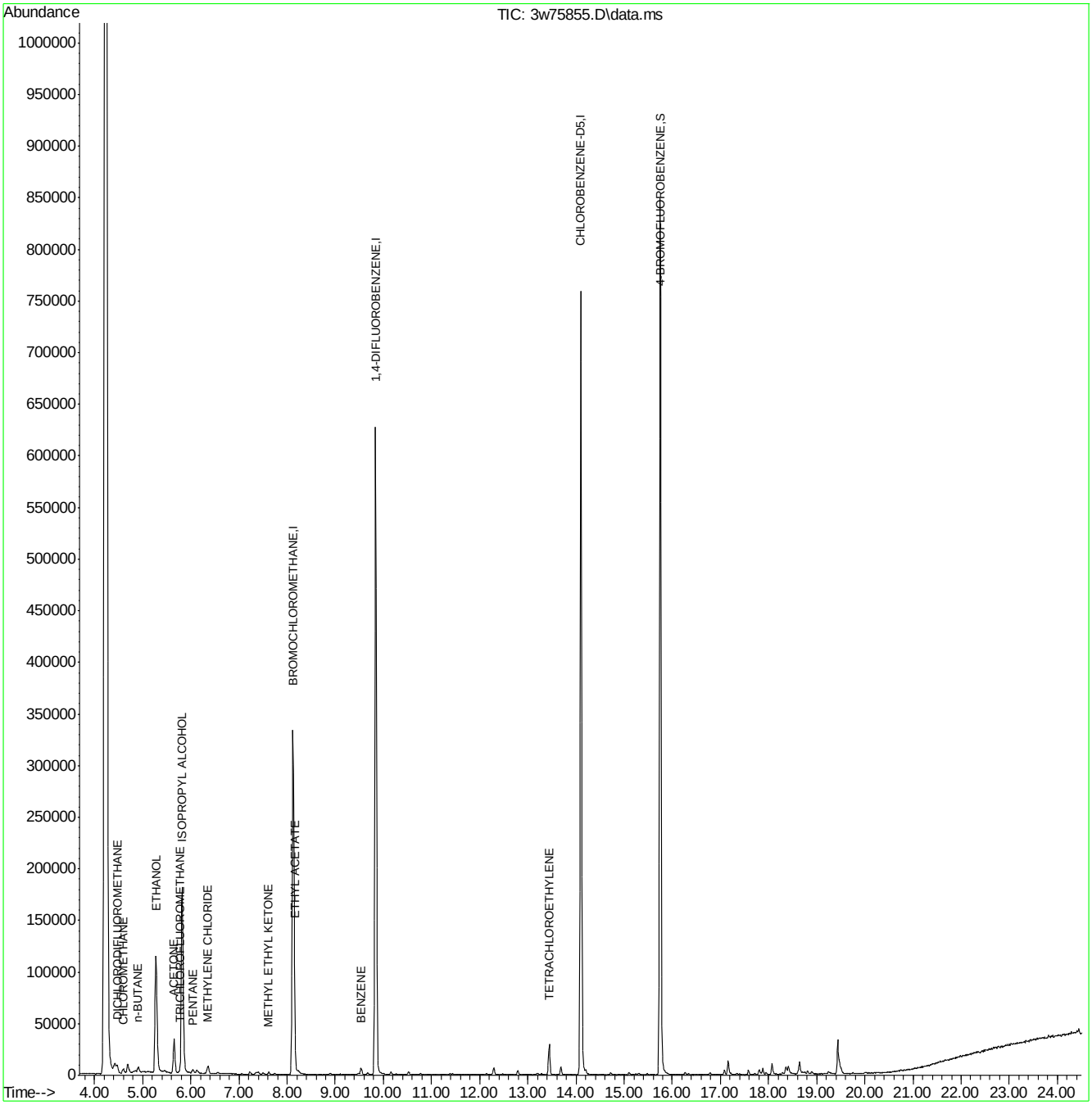
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.122	128	117018	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	591934	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	292937	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	347368	11.16	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.60%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.472	85	10598	0.20	PPBV		97
10) CHLOROMETHANE	4.594	52	1567	0.35	PPBV	#	75
13) n-BUTANE	4.904	43	5974	0.26	PPBV	#	94
21) TRICHLOROFLUOROMETHANE	5.774	101	5056	0.11	PPBV		97
22) ISOPROPYL ALCOHOL	5.817	45	324399	10.02	PPBV		99
23) ACETONE	5.646	58	12963	1.64	PPBV	#	87
24) PENTANE	6.042	42	2151	0.12	PPBV		91
28) ETHANOL	5.275	45	192782	29.77	PPBV		98
31) METHYLENE CHLORIDE	6.358	84	3887	0.25	PPBV		87
41) METHYL ETHYL KETONE	7.611	72	787	0.10	PPBV	#	86
44) ETHYL ACETATE	8.153	61	2765	0.54	PPBV	#	1
52) BENZENE	9.534	78	7164	0.15	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	8473	0.31	PPBV		98

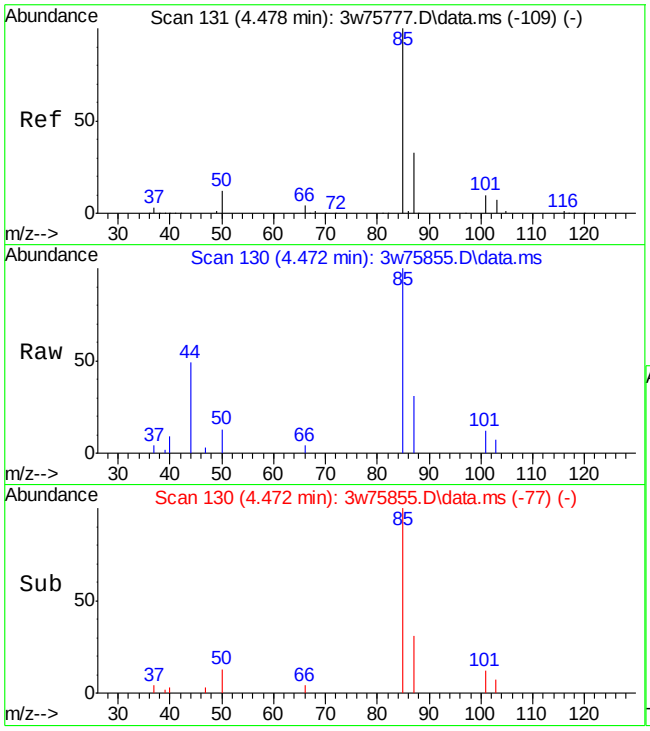
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75855.D
Acq On : 26 Apr 2022 10:27 pm
Operator : thomash
Sample : jd42150-8
Misc : MS57846,V3W2984,400,,,,2.21
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 29 12:36:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

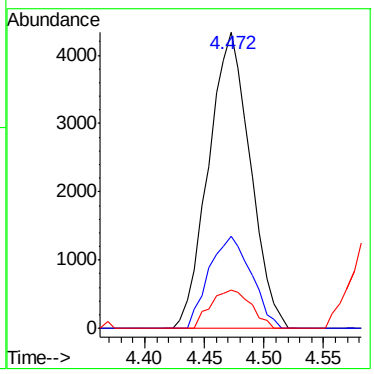


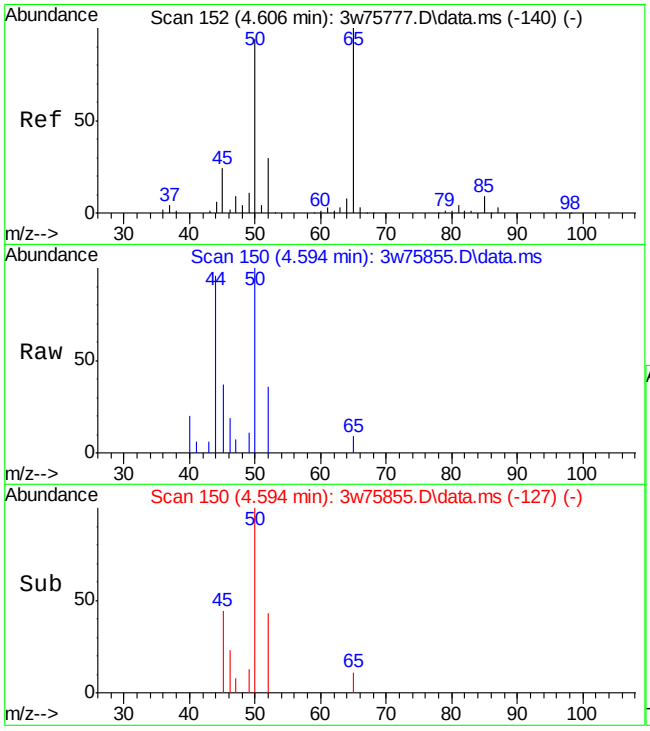


#6
DICHLORODIFLUOROMETHANE
Concen: 0.20 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 85 Resp: 10598

Ion	Ratio	Lower	Upper
85	100		
87	31.4	12.5	52.5
50	12.6	0.0	30.4

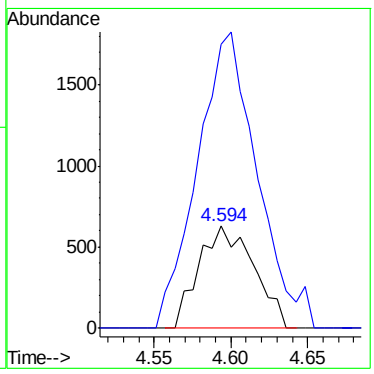


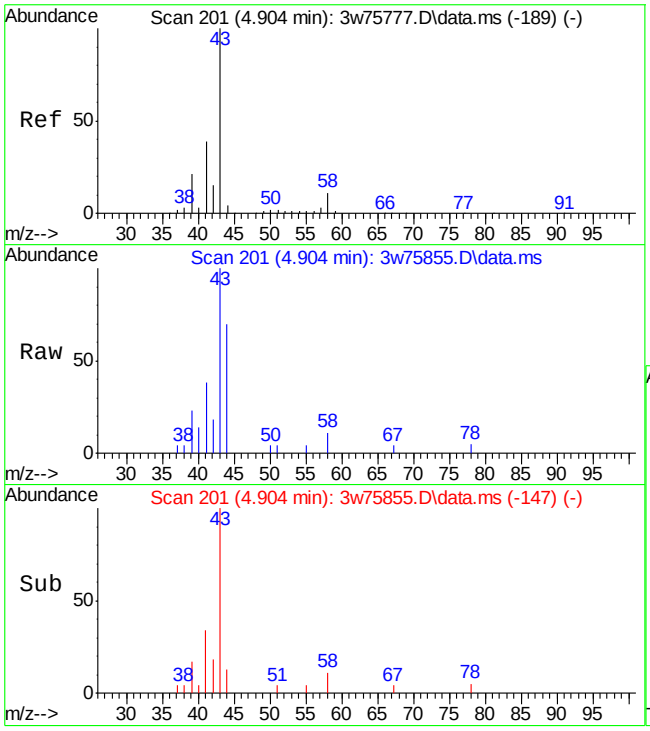


#10
CHLOROMETHANE
Concen: 0.35 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 52 Resp: 1567

Ion	Ratio	Lower	Upper
52	100		
50	248.0	276.8	316.8#

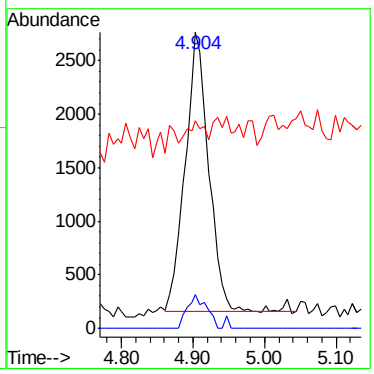


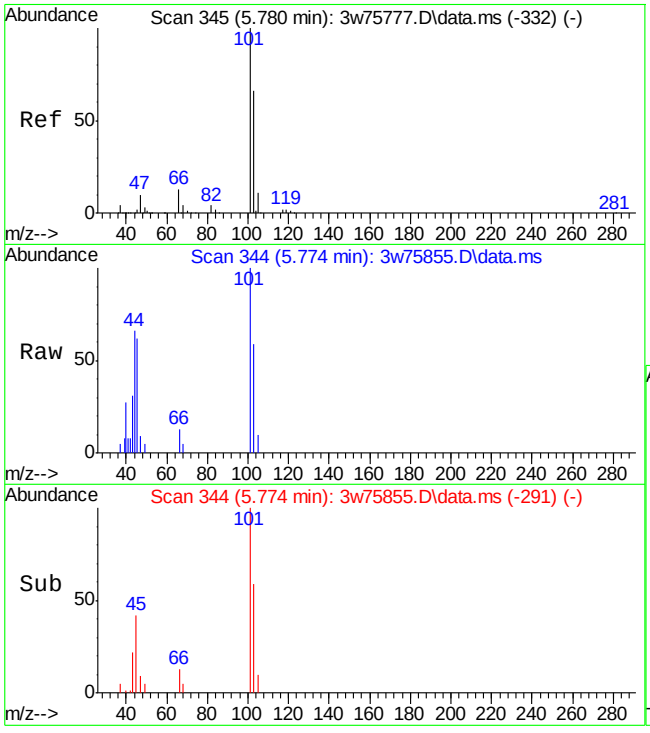


#13
n-BUTANE
Concen: 0.26 PPBV
RT: 4.904 min Scan# 201
Delta R.T. -0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 43 Resp: 5974

Ion	Ratio	Lower	Upper
43	100		
58	9.9	0.0	31.2
44	0.0	0.0	24.6

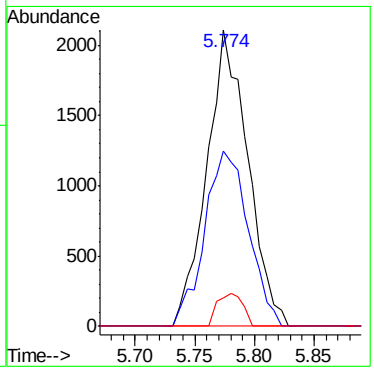


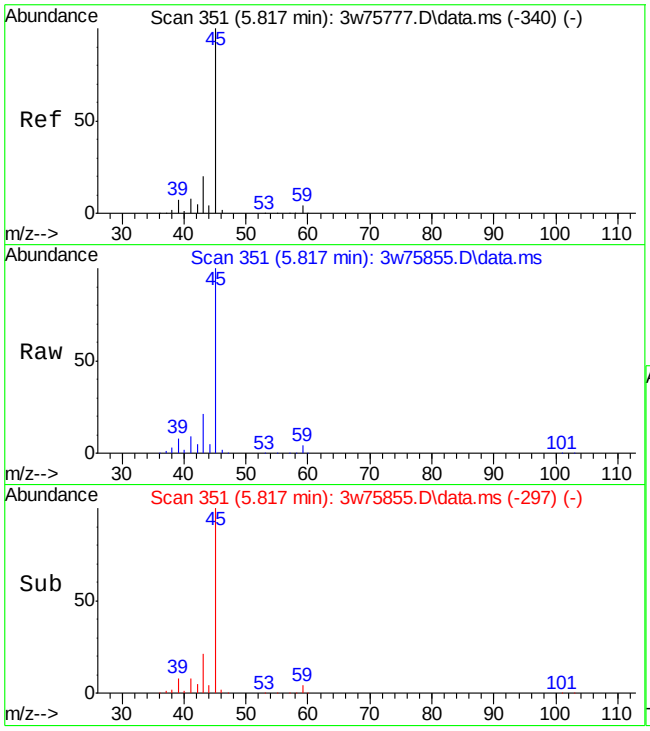


#21
TRICHLOROFLUOROMETHANE
Concen: 0.11 PPBV
RT: 5.774 min Scan# 344
Delta R.T. -0.006 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion:101 Resp: 5056

Ion	Ratio	Lower	Upper
101	100		
103	63.3	44.8	84.8
105	6.9	0.0	30.5

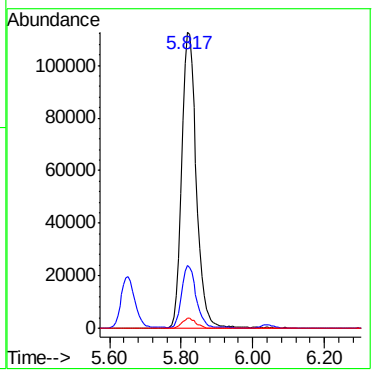


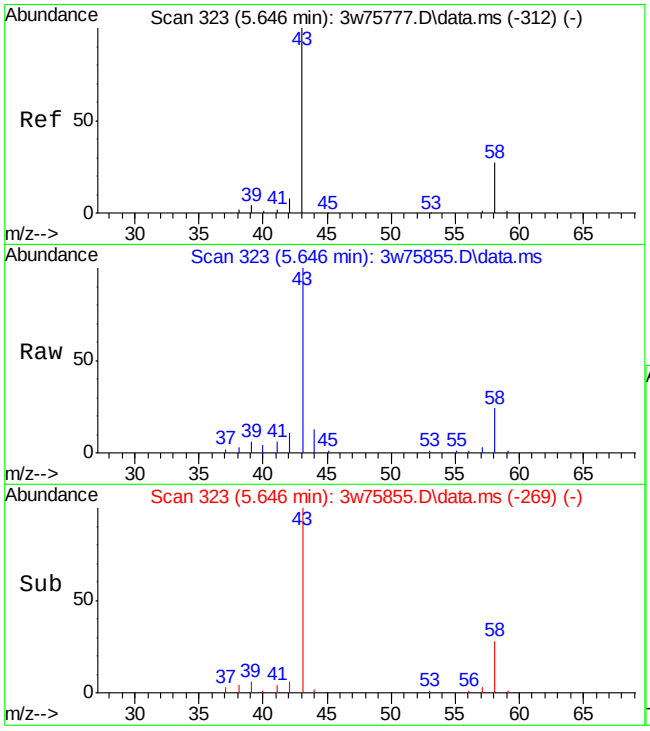


#22
ISOPROPYL ALCOHOL
Concen: 10.02 PPBV
RT: 5.817 min Scan# 351
Delta R.T. -0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 45 Resp: 324399

Ion	Ratio	Lower	Upper
45	100		
43	21.3	0.7	40.7
59	3.5	0.0	23.6

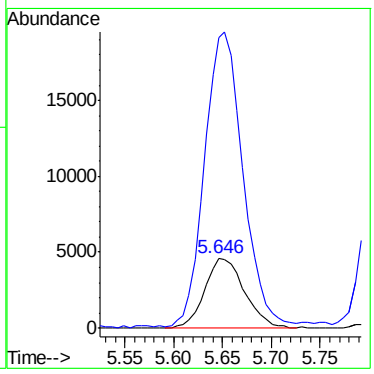


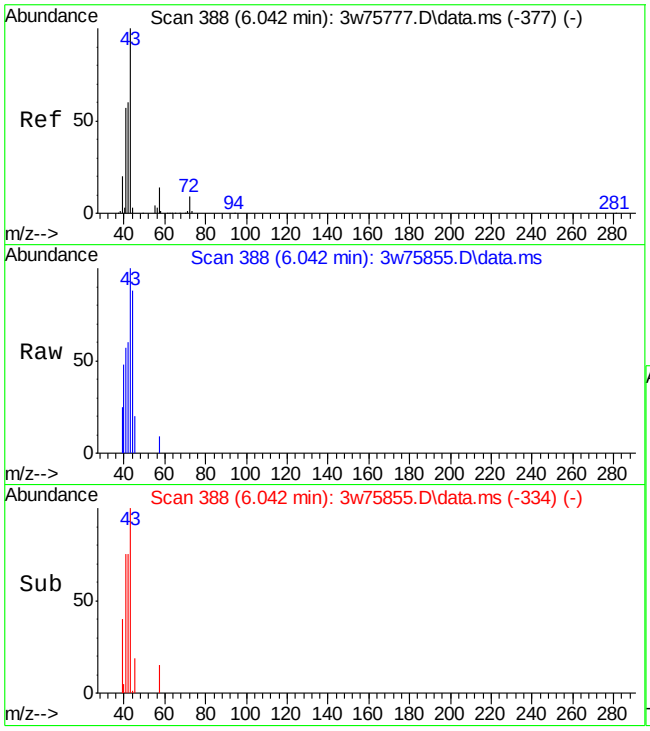


#23
ACETONE
Concen: 1.64 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 58 Resp: 12963

Ion	Ratio	Lower	Upper
58	100		
43	413.2	362.9	402.9#

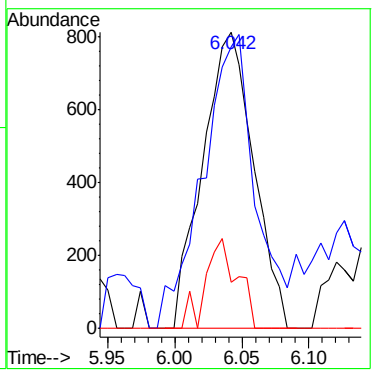


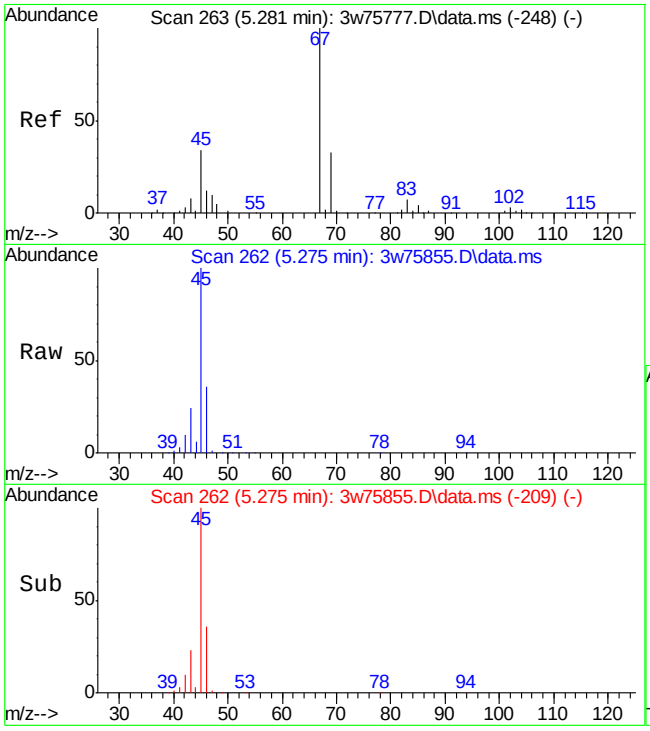


#24
PENTANE
Concen: 0.12 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 42 Resp: 2151

Ion	Ratio	Lower	Upper
42	100		
41	101.8	73.3	113.3
57	19.0	4.4	44.4

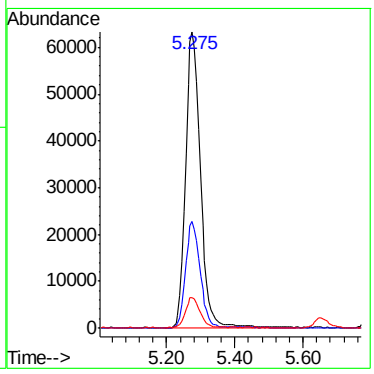


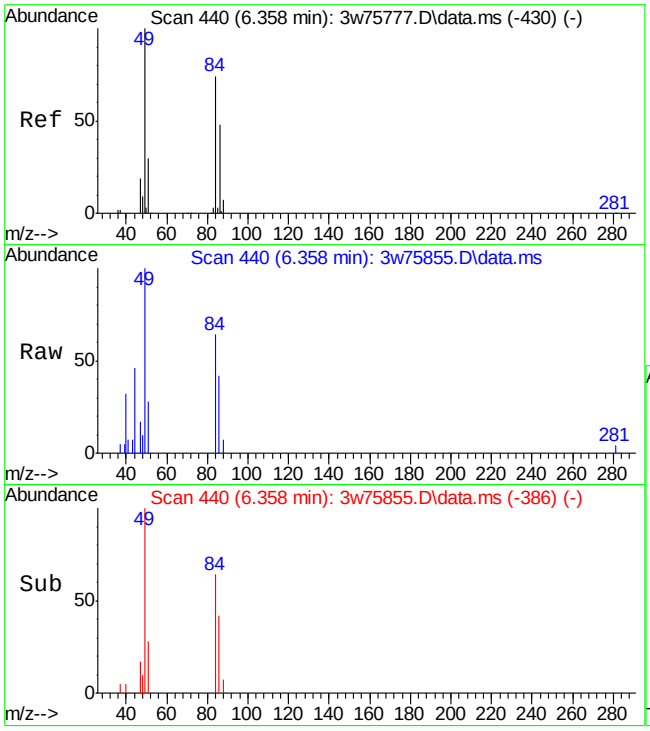


#28
ETHANOL
Concen: 29.77 PPBV
RT: 5.275 min Scan# 262
Delta R.T. -0.006 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 45 Resp: 192782

Ion	Ratio	Lower	Upper
45	100		
46	35.9	14.9	54.9
42	10.8	0.0	30.1

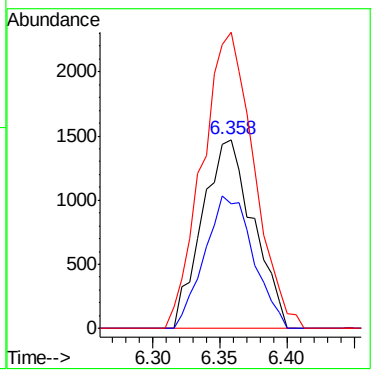


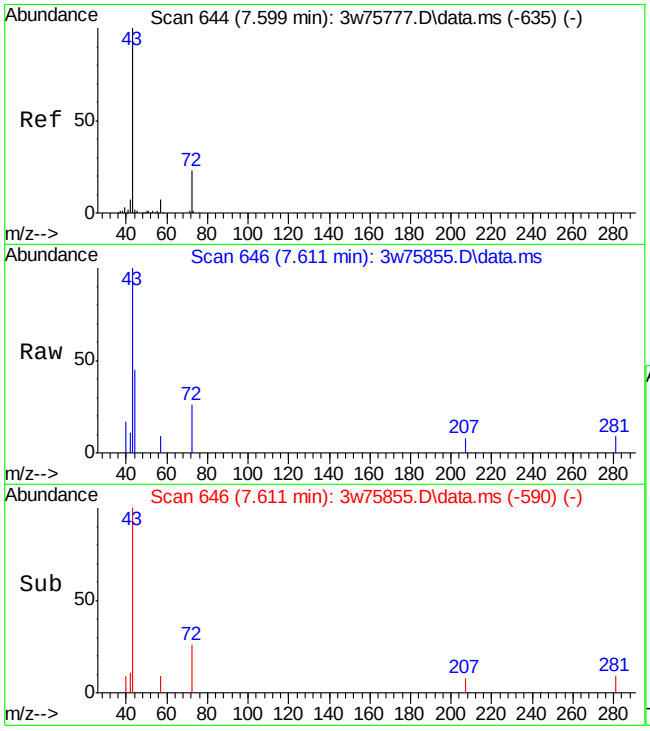


#31
METHYLENE CHLORIDE
Concen: 0.25 PPBV
RT: 6.358 min Scan# 440
Delta R.T. -0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 84 Resp: 3887

Ion	Ratio	Lower	Upper
84	100		
86	67.0	45.6	85.6
49	159.7	0.0	337.9

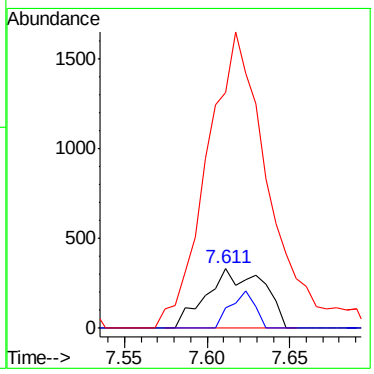


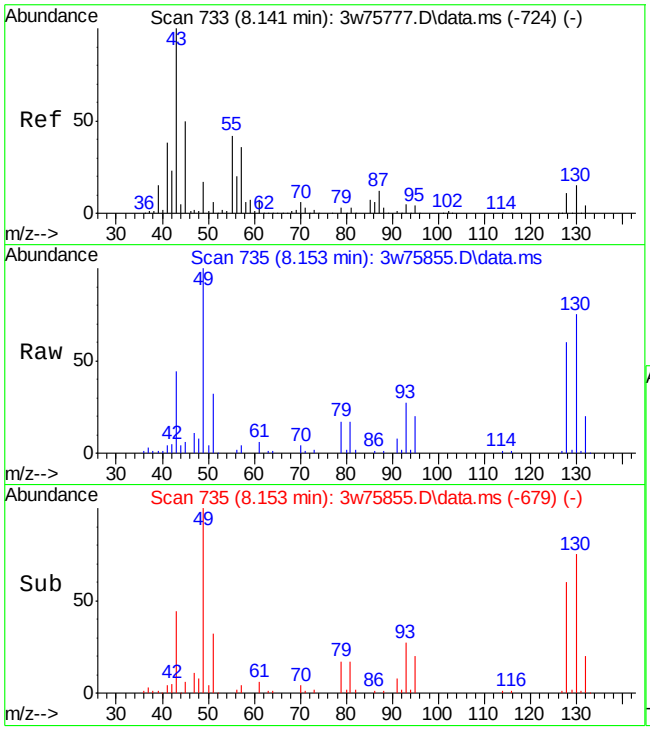


#41
METHYL ETHYL KETONE
Concen: 0.10 PPBV
RT: 7.611 min Scan# 646
Delta R.T. 0.012 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 72 Resp: 787

Ion	Ratio	Lower	Upper
72	100		
57	34.4	11.7	51.7
43	391.9	409.1	449.1#

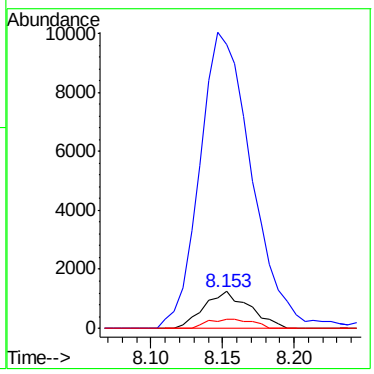


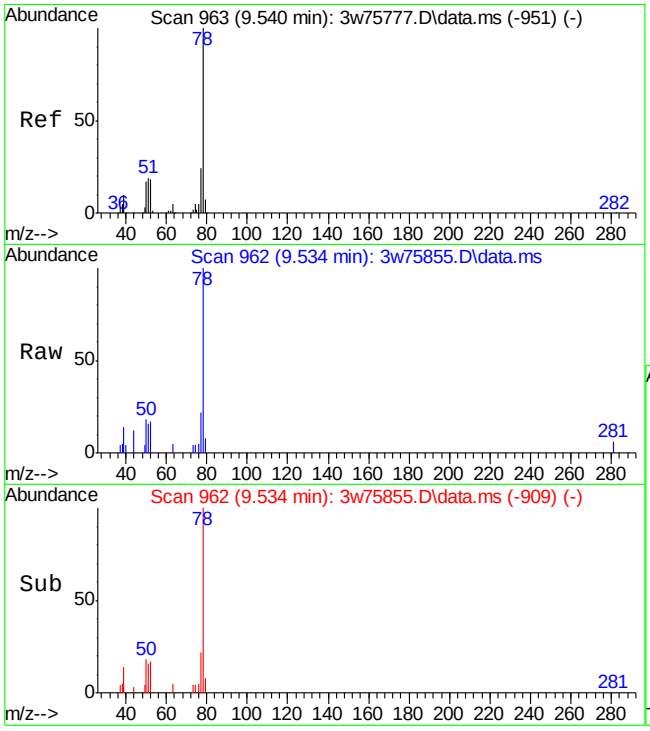


#44
ETHYL ACETATE
Concen: 0.54 PPBV
RT: 8.153 min Scan# 735
Delta R.T. 0.012 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 61 Resp: 2765

Ion	Ratio	Lower	Upper
61	100		
43	935.3	1591.1	1631.1#
88	24.9	23.8	63.8

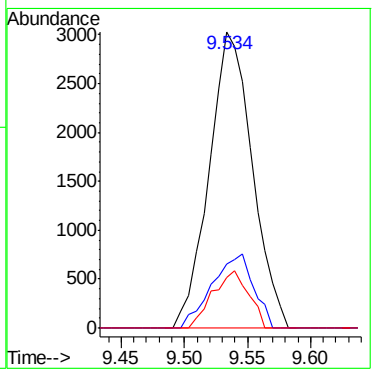


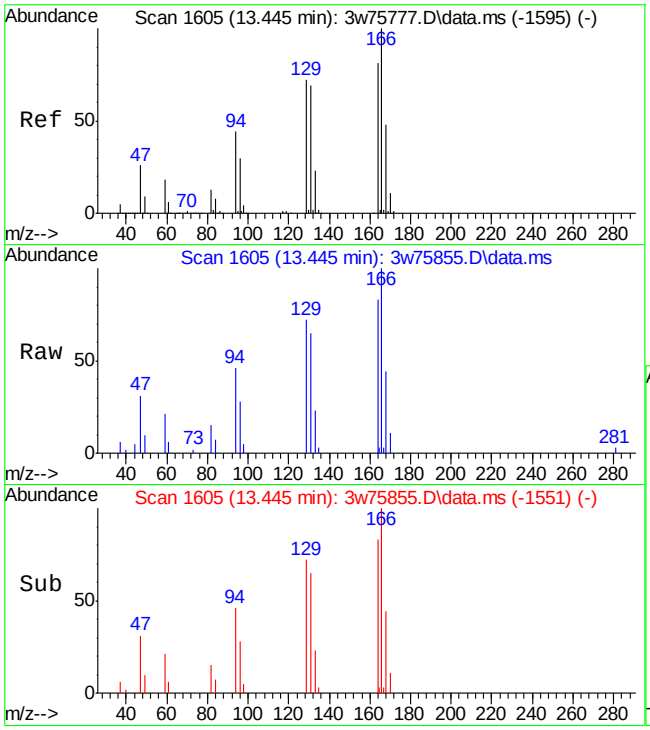


#52
BENZENE
Concen: 0.15 PPBV
RT: 9.534 min Scan# 962
Delta R.T. -0.006 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion: 78 Resp: 7164

Ion	Ratio	Lower	Upper
78	100		
77	24.1	3.4	43.4
52	16.1	0.0	37.0

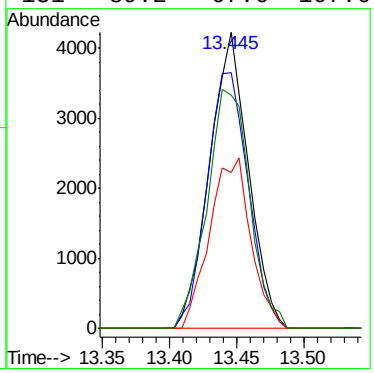




#73
TETRACHLOROETHYLENE
Concen: 0.31 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75855.D
Acq: 26 Apr 2022 10:27 pm

Tgt Ion:164 Resp: 8473

Ion	Ratio	Lower	Upper
164	100		
129	92.2	69.5	109.5
168	61.2	40.9	80.9
131	89.2	67.6	107.6



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 15:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75856.D
Acq On : 26 Apr 2022 11:17 pm
Operator : thomash
Sample : jd42150-9
Misc : MS57846,V3W2984,660,,,,1.65
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 29 14:48:57 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

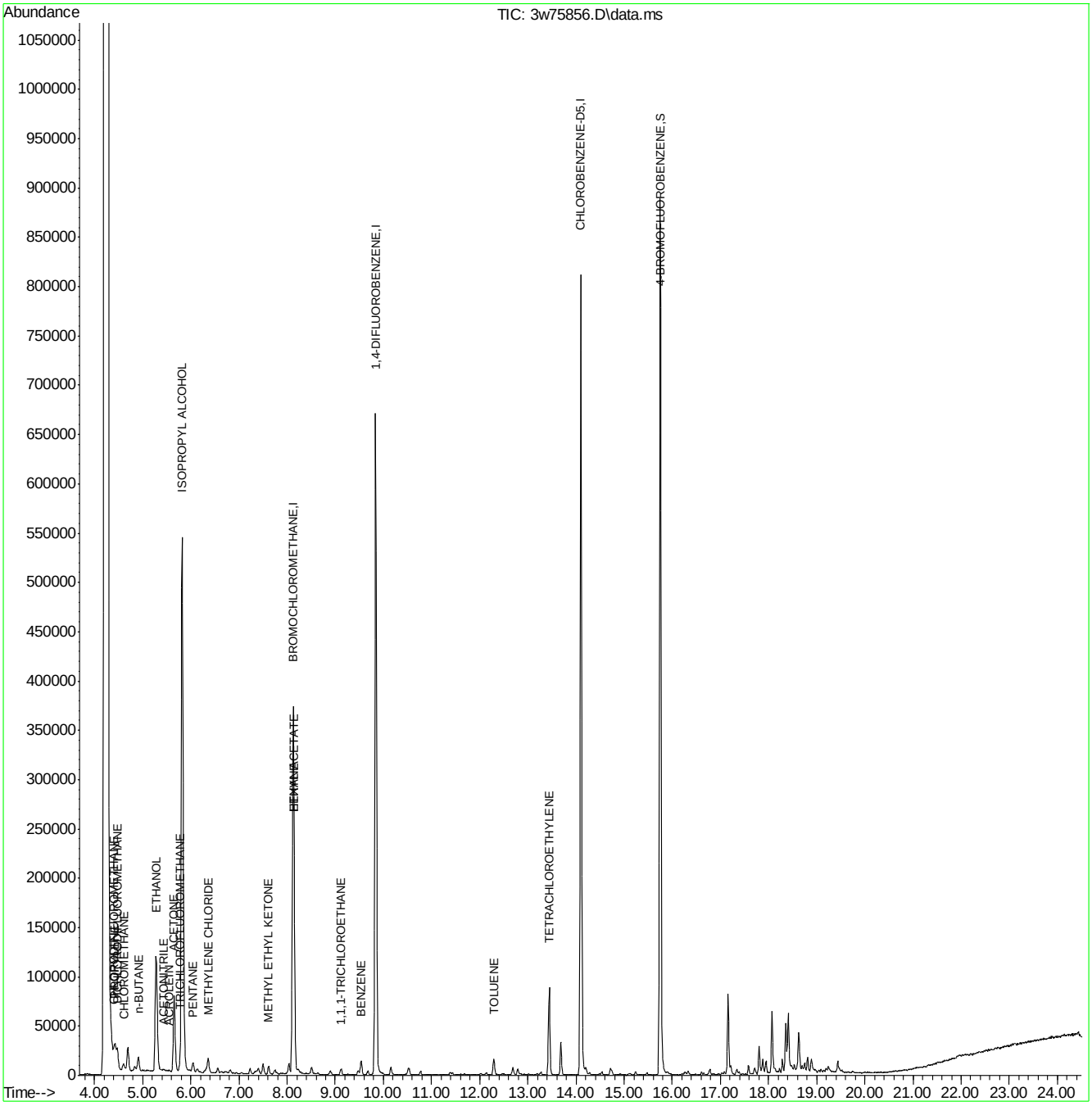
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	126027	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	635193	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	309939	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	362101	10.99	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.90%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.399	67	1597	0.29	PPBV		90
6) DICHLORODIFLUOROMETHANE	4.472	85	25876	0.45	PPBV		97
7) PROPYLENE	4.423	41	9689	0.61	PPBV	#	72
10) CHLOROMETHANE	4.606	52	3077	0.64	PPBV		94
13) n-BUTANE	4.910	43	18146	0.75	PPBV	#	91
17) ACETONITRILE	5.439	41	1351	0.21	PPBV	#	32
18) ACROLEIN	5.543	56	1176	0.21	PPBV		88
21) TRICHLOROFLUOROMETHANE	5.774	101	15730	0.31	PPBV		98
22) ISOPROPYL ALCOHOL	5.817	45	954993	27.39	PPBV		100
23) ACETONE	5.652	58	33866	3.98	PPBV		92
24) PENTANE	6.048	42	5283	0.27	PPBV		93
28) ETHANOL	5.281	45	205074	29.40	PPBV		98
31) METHYLENE CHLORIDE	6.364	84	8008	0.48	PPBV		88
38) HEXANE	8.147	57	4857	0.18	PPBV		91
41) METHYL ETHYL KETONE	7.611	72	2637m	0.32	PPBV		
44) ETHYL ACETATE	8.147	61	6043	1.09	PPBV	#	1
48) 1,1,1-TRICHLOROETHANE	9.120	97	4534	0.10	PPBV		96
52) BENZENE	9.540	78	14135	0.27	PPBV		97
66) TOLUENE	12.296	92	7968	0.21	PPBV		99
73) TETRACHLOROETHYLENE	13.445	164	24865	0.85	PPBV		98

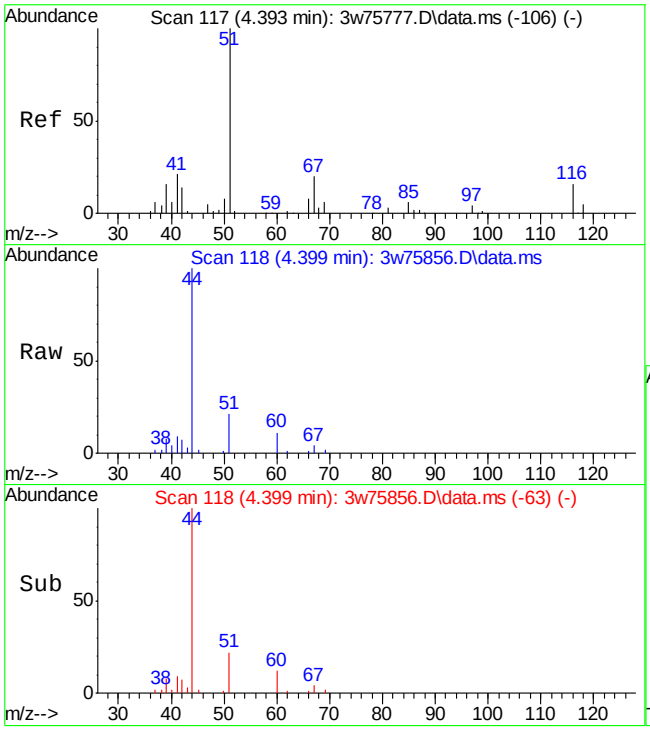
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75856.D
Acq On : 26 Apr 2022 11:17 pm
Operator : thomash
Sample : jd42150-9
Misc : MS57846,V3W2984,660,,,,1.65
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 29 14:48:57 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

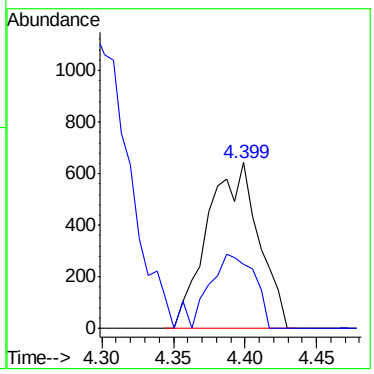


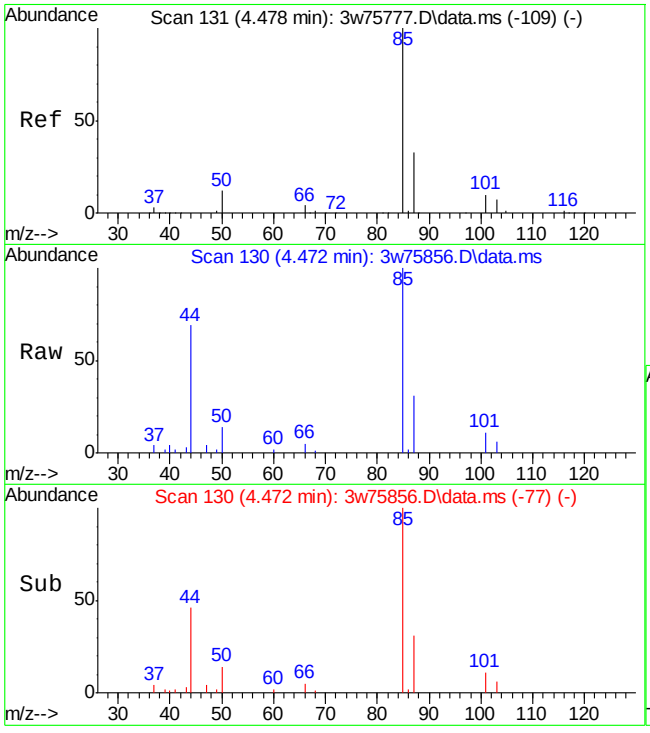


#4
CHLORODIFLUOROMETHANE
Concen: 0.29 PPBV
RT: 4.399 min Scan# 118
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 67 Resp: 1597

Ion	Ratio	Lower	Upper
67	100		
69	38.7	13.0	53.0

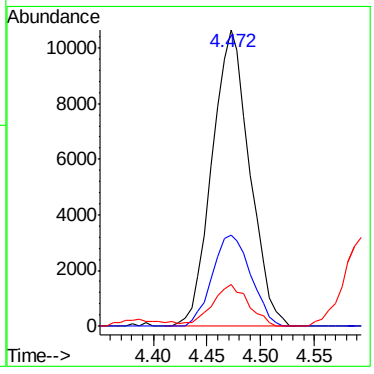


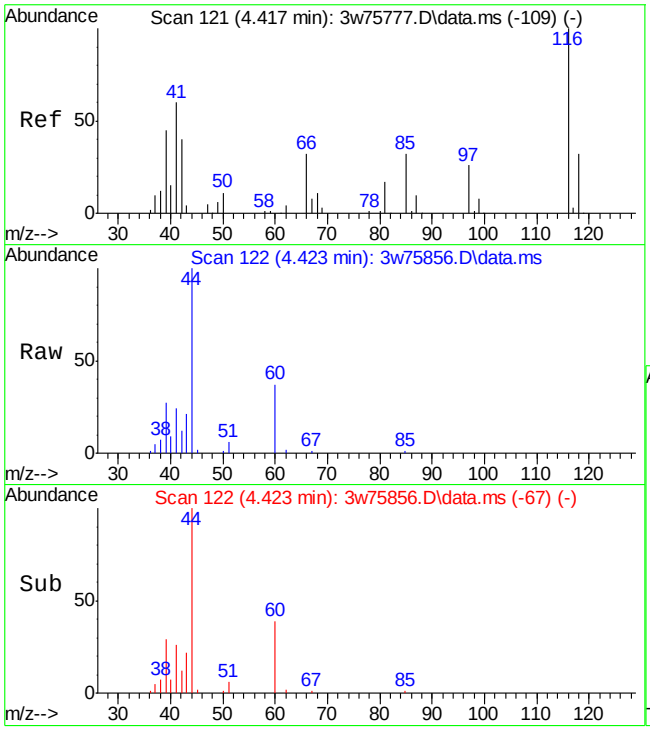


#6
DICHLORODIFLUOROMETHANE
Concen: 0.45 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 85 Resp: 25876

Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.5	52.5
50	13.6	0.0	30.4

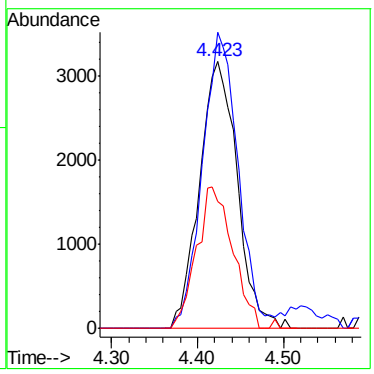


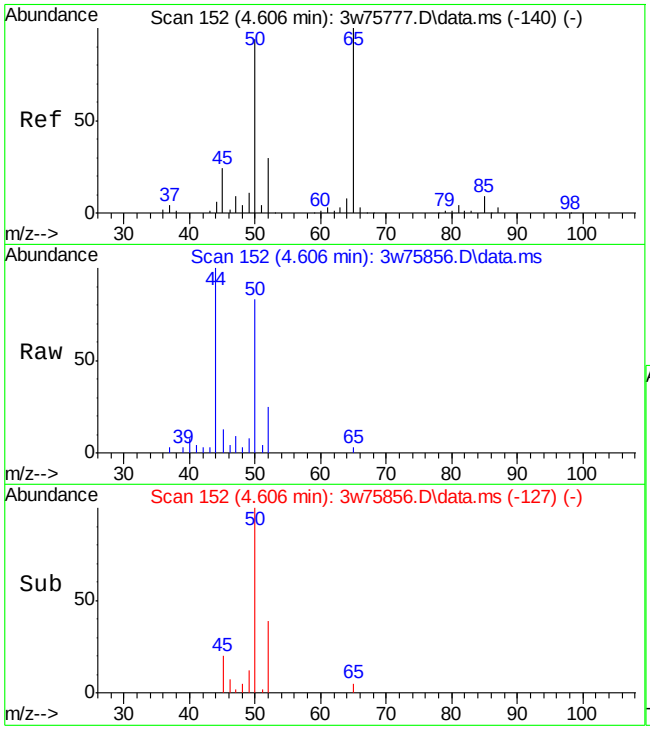


#7
PROPYLENE
Concen: 0.61 PPBV
RT: 4.423 min Scan# 122
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 41 Resp: 9689

Ion	Ratio	Lower	Upper
41	100		
39	105.9	54.9	94.9#
42	50.7	45.4	85.4

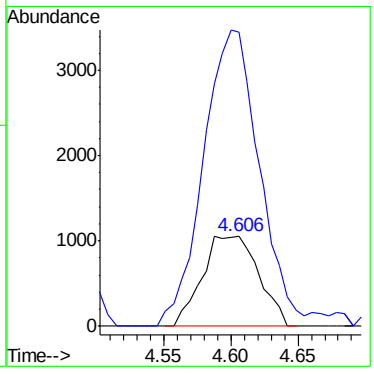


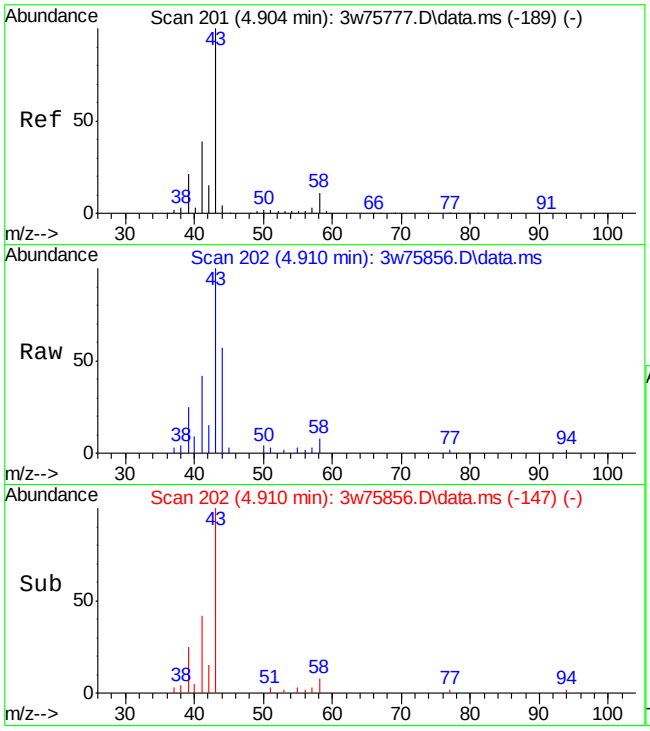


#10
CHLOROMETHANE
Concen: 0.64 PPBV
RT: 4.606 min Scan# 152
Delta R.T. -0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 52 Resp: 3077

Ion	Ratio	Lower	Upper
52	100		
50	307.9	276.8	316.8

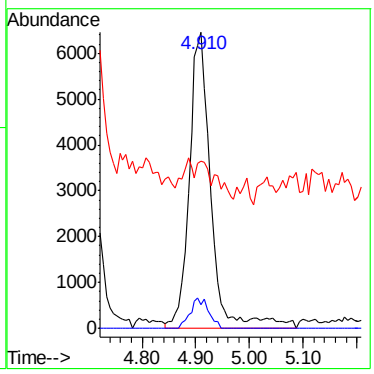


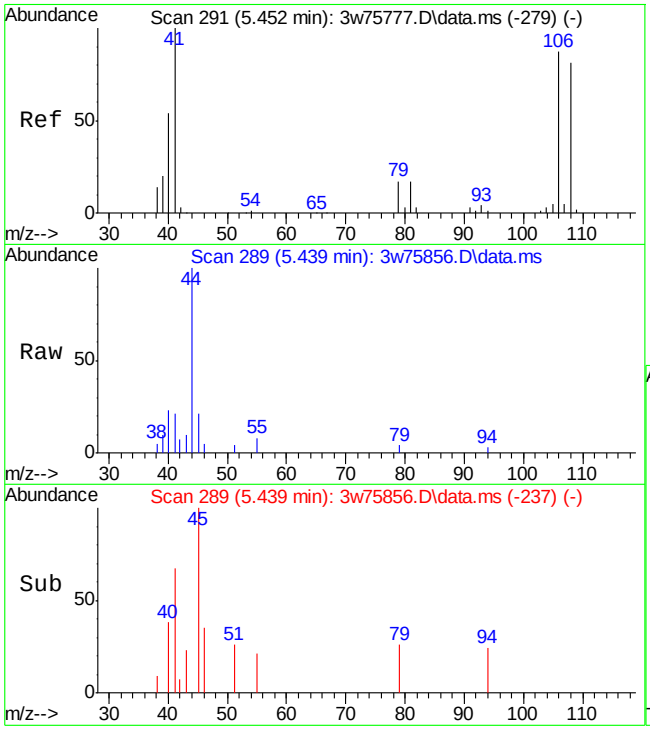


#13
n-BUTANE
Concen: 0.75 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 43 Resp: 18146

Ion	Ratio	Lower	Upper
43	100		
58	8.7	0.0	31.2
44	0.0	0.0	24.6

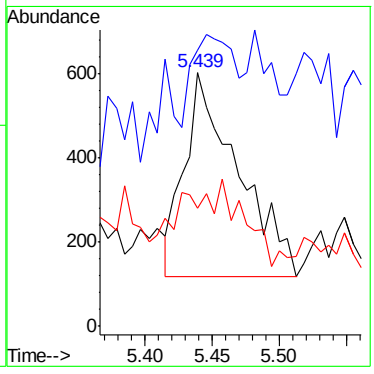


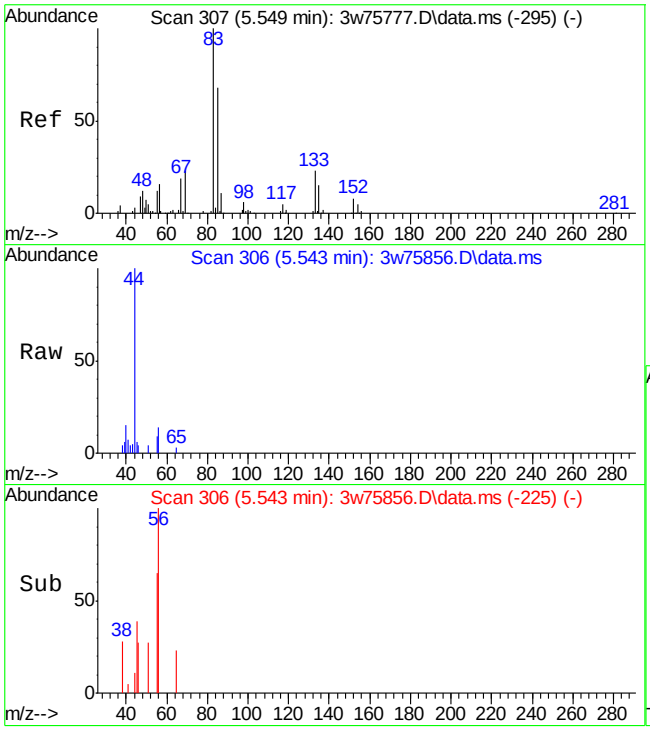


#17
ACETONITRILE
Concen: 0.21 PPBV
RT: 5.439 min Scan# 289
Delta R.T. -0.013 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 41 Resp: 1351

Ion	Ratio	Lower	Upper
41	100		
40	0.0	44.3	66.5#
39	0.0	16.2	24.4#

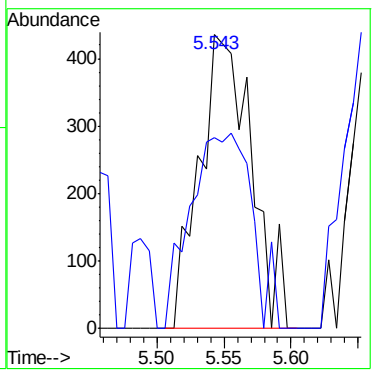


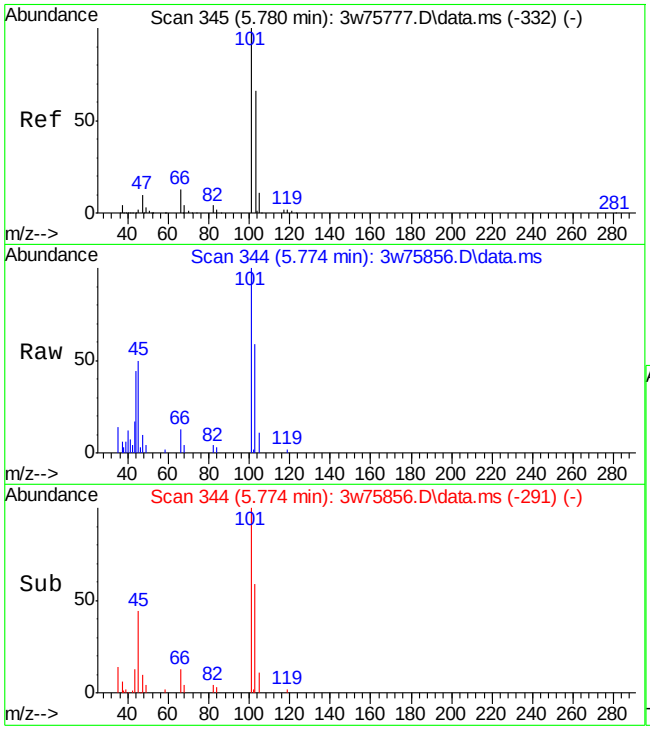


#18
ACROLEIN
Concen: 0.21 PPBV
RT: 5.543 min Scan# 306
Delta R.T. -0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 56 Resp: 1176

Ion	Ratio	Lower	Upper
56	100		
55	78.9	55.0	82.6

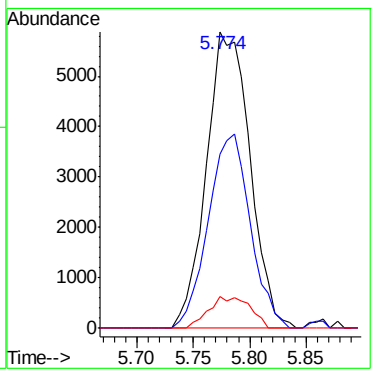


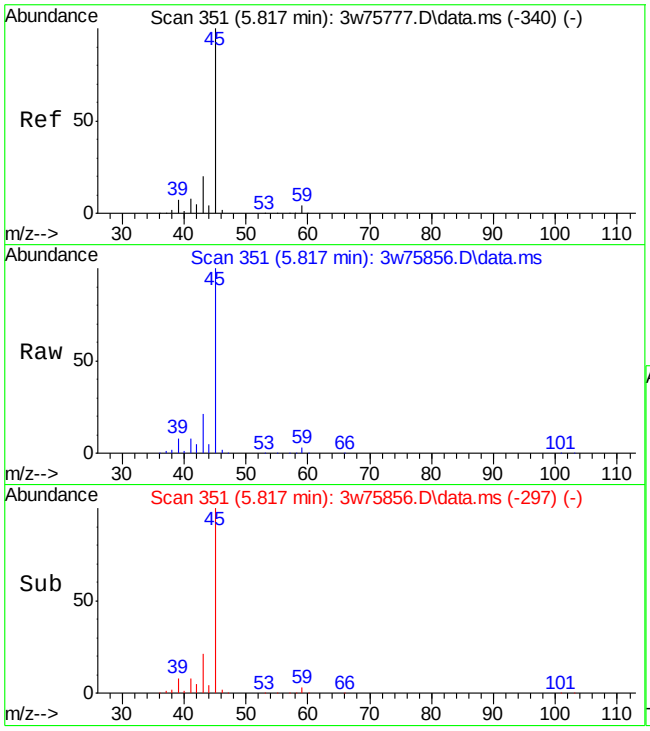


#21
TRICHLOROFLUOROMETHANE
Concen: 0.31 PPBV
RT: 5.774 min Scan# 344
Delta R.T. -0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion:101 Resp: 15730

Ion	Ratio	Lower	Upper
101	100		
103	63.1	44.8	84.8
105	10.0	0.0	30.5

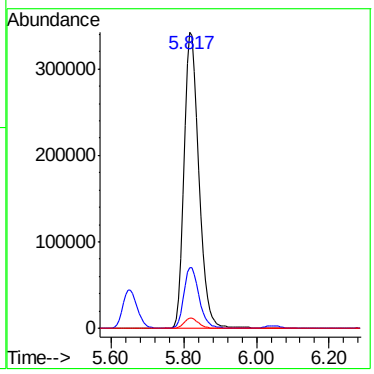


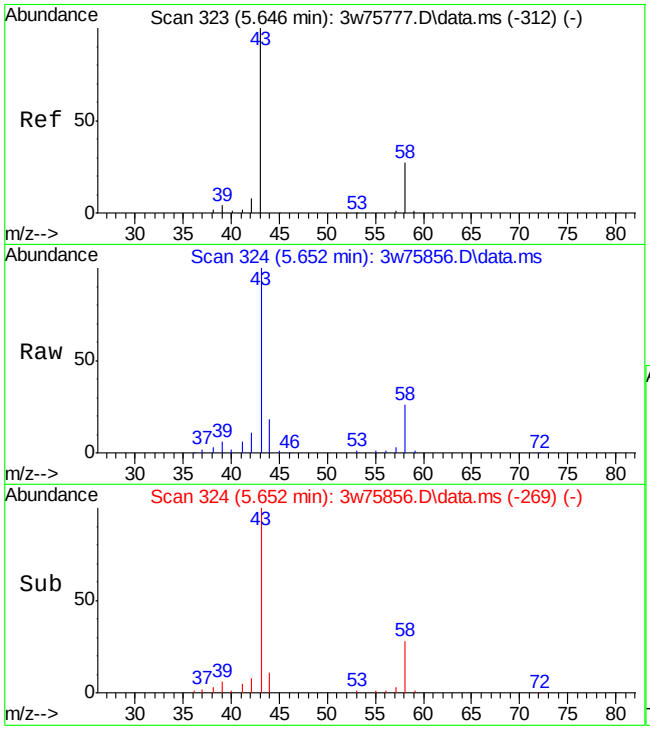


#22
ISOPROPYL ALCOHOL
Concen: 27.39 PPBV
RT: 5.817 min Scan# 351
Delta R.T. -0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 45 Resp: 954993

Ion	Ratio	Lower	Upper
45	100		
43	20.6	0.7	40.7
59	3.3	0.0	23.6

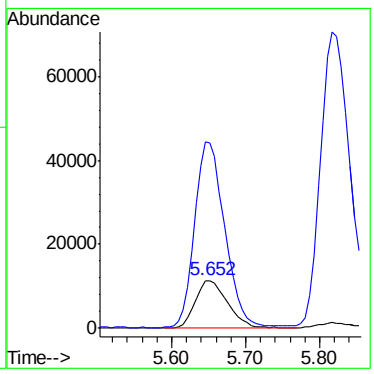


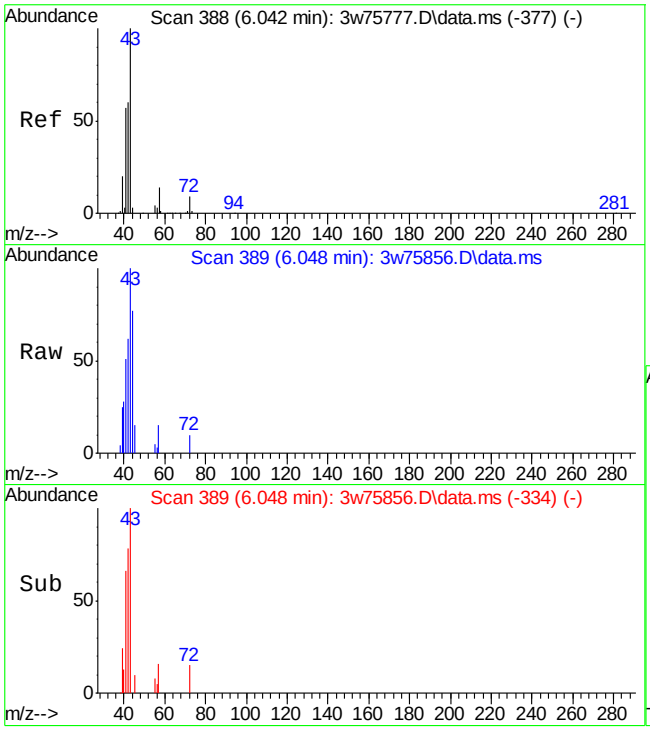


#23
ACETONE
Concen: 3.98 PPBV
RT: 5.652 min Scan# 324
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 58 Resp: 33866

Ion	Ratio	Lower	Upper
58	100		
43	363.6	362.9	402.9

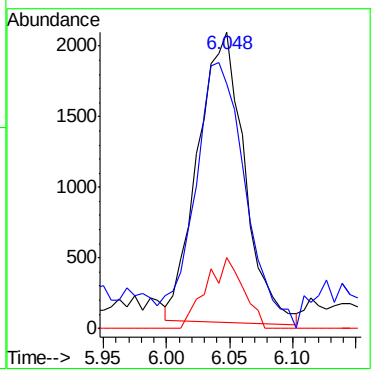


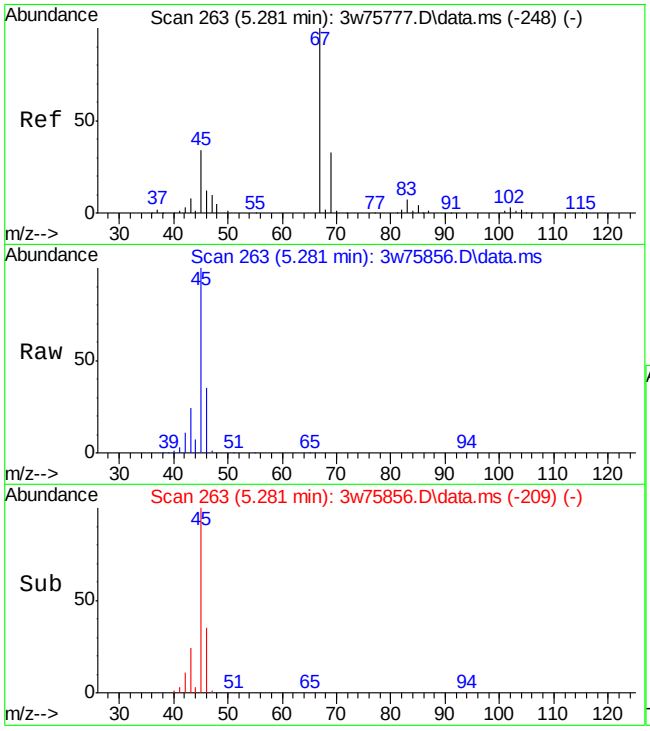


#24
PENTANE
Concen: 0.27 PPBV
RT: 6.048 min Scan# 389
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 42 Resp: 5283

Ion	Ratio	Lower	Upper
42	100		
41	99.5	73.3	113.3
57	19.4	4.4	44.4

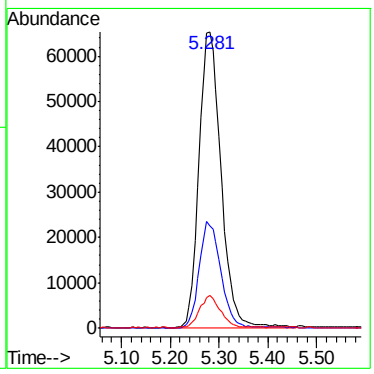


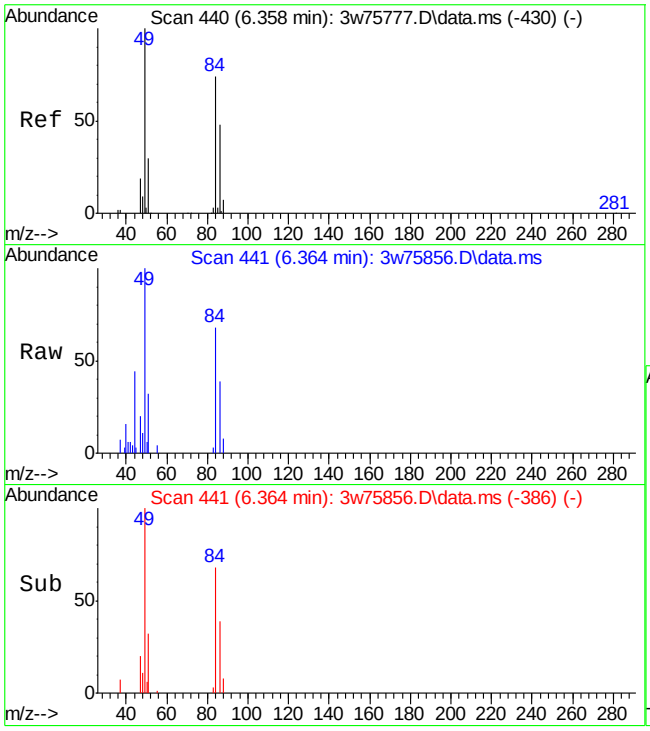


#28
ETHANOL
Concen: 29.40 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 45 Resp: 205074

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.9	54.9
42	11.5	0.0	30.1

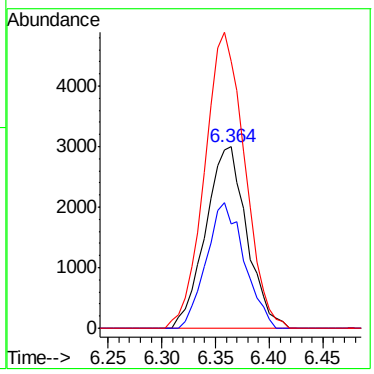


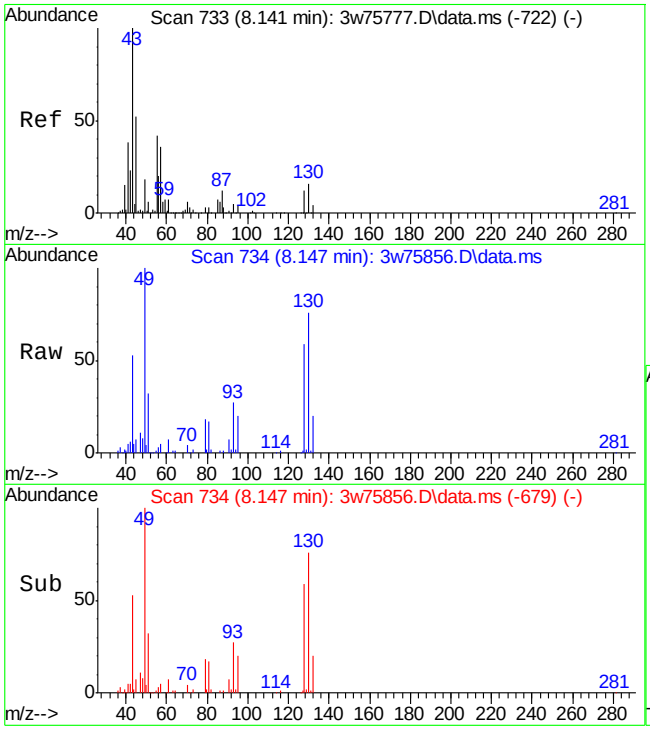


#31
METHYLENE CHLORIDE
Concen: 0.48 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 84 Resp: 8008

Ion	Ratio	Lower	Upper
84	100		
86	63.6	45.6	85.6
49	158.3	0.0	337.9

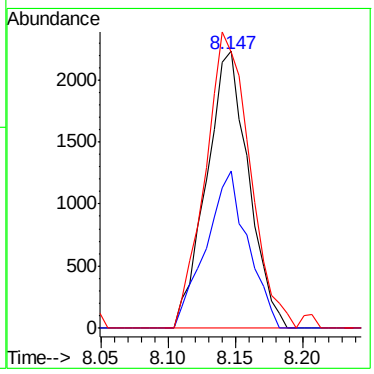


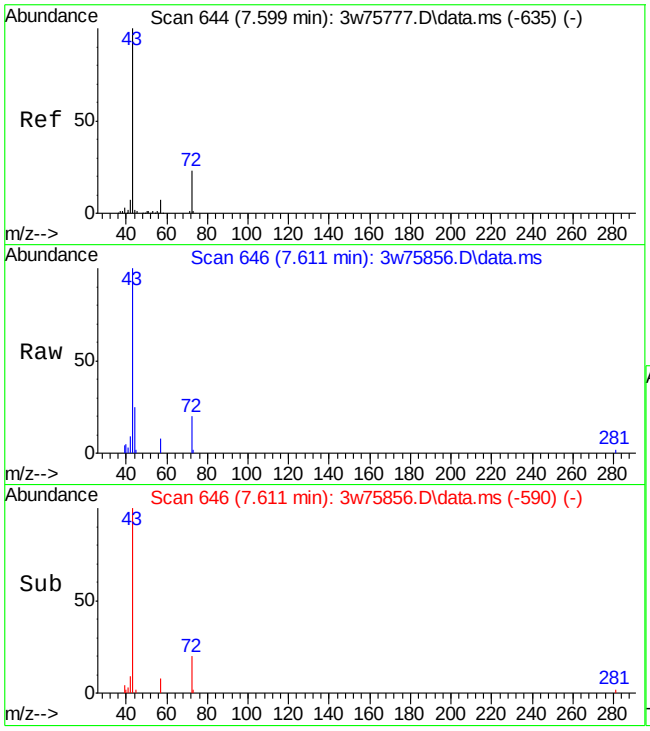


#38
HEXANE
Concen: 0.18 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 57 Resp: 4857

Ion	Ratio	Lower	Upper
57	100		
56	56.3	34.6	74.6
41	113.1	107.4	147.4

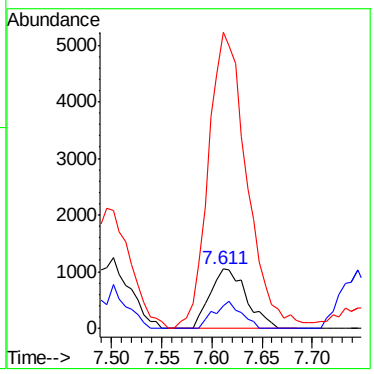


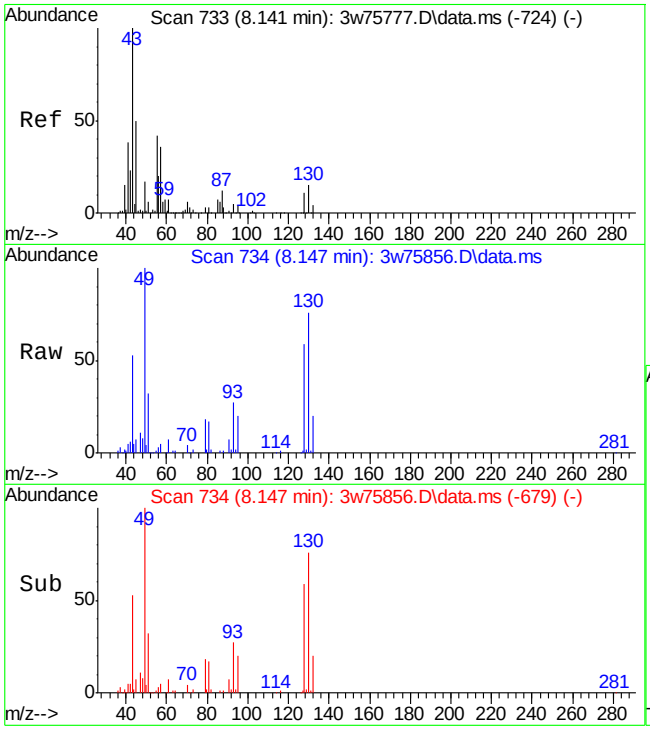


#41
METHYL ETHYL KETONE
Concen: 0.32 PPBV m
RT: 7.611 min Scan# 646
Delta R.T. 0.012 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 72 Resp: 2637

Ion	Ratio	Lower	Upper
72	100		
57	38.6	11.7	51.7
43	500.3	409.1	449.1#

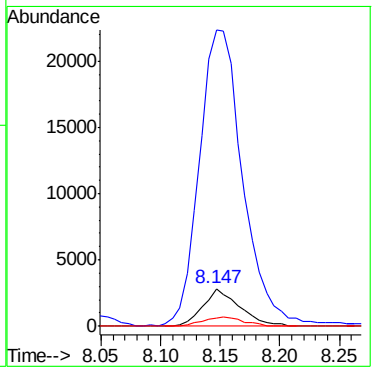


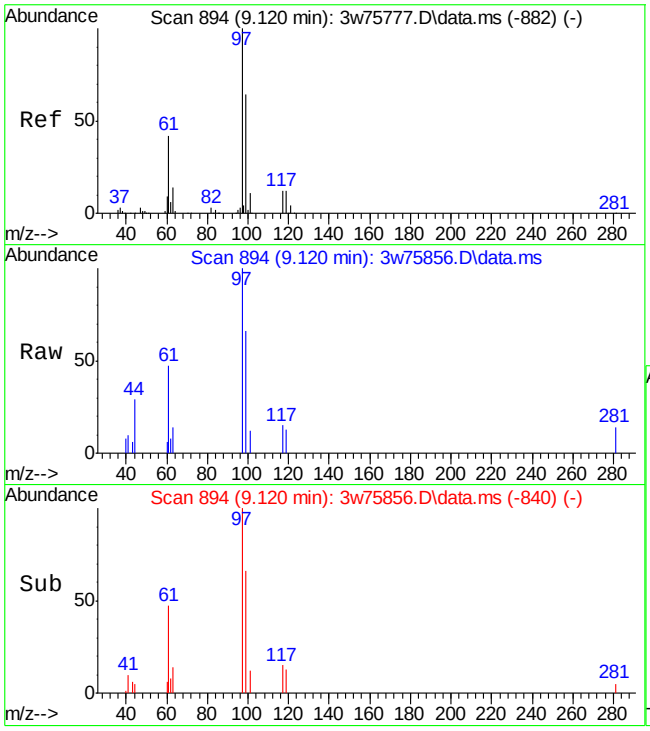


#44
ETHYL ACETATE
Concen: 1.09 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 61 Resp: 6043

Ion	Ratio	Lower	Upper
61	100		
43	953.4	1591.1	1631.1#
88	26.2	23.8	63.8

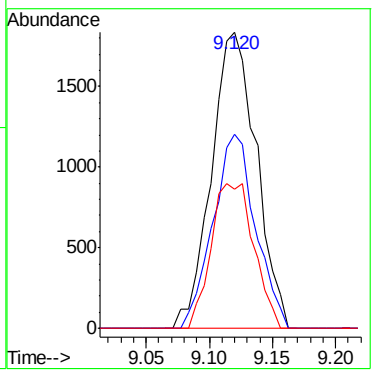


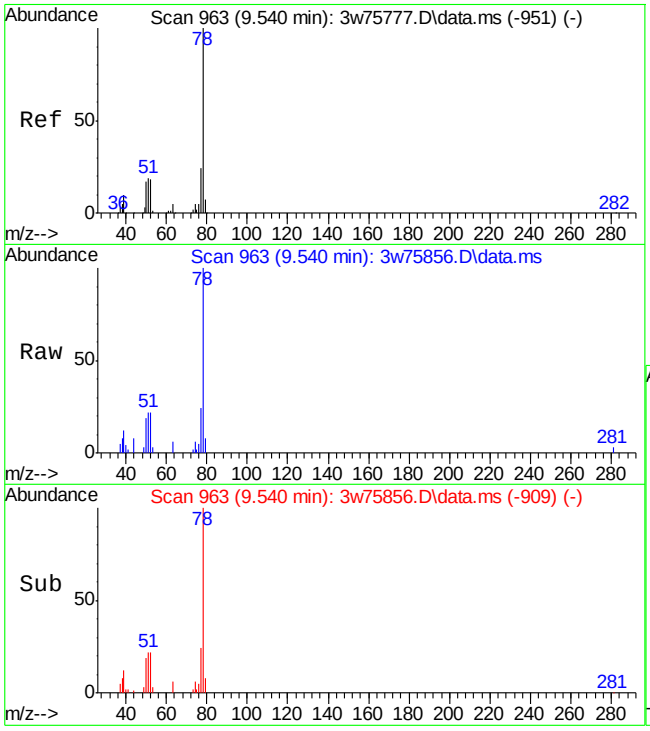


#48
1,1,1-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 9.120 min Scan# 894
Delta R.T. -0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 97 Resp: 4534

Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.1	84.1
61	46.4	22.3	62.3

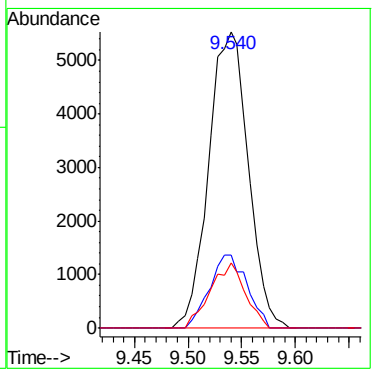


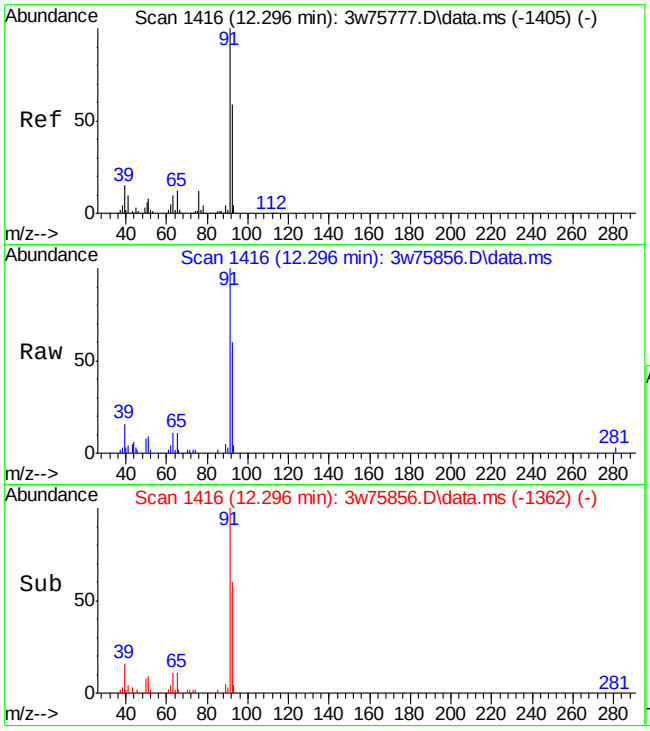


#52
BENZENE
Concen: 0.27 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 78 Resp: 14135

Ion	Ratio	Lower	Upper
78	100		
77	23.3	3.4	43.4
52	19.5	0.0	37.0

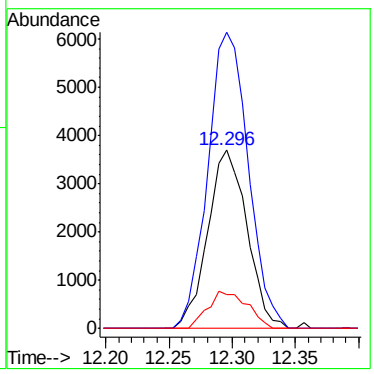


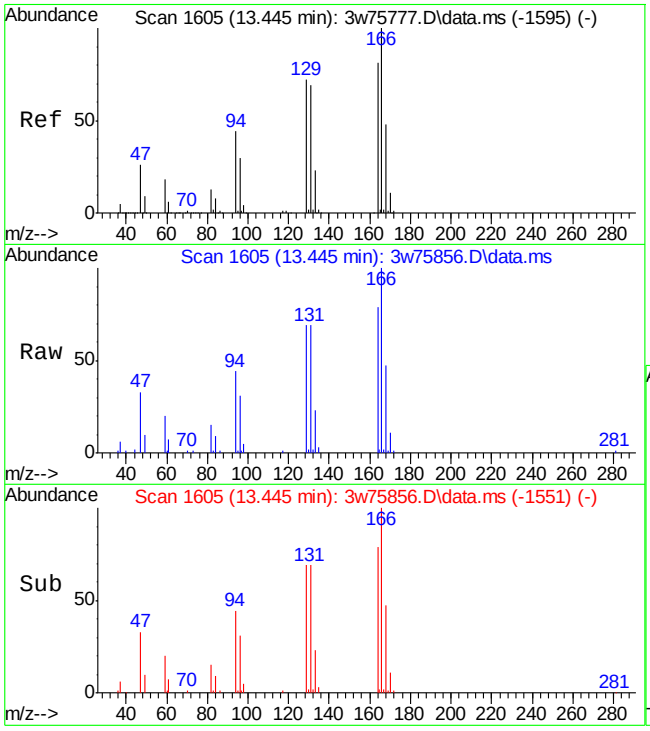


#66
TOLUENE
Concen: 0.21 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion: 92 Resp: 7968

Ion	Ratio	Lower	Upper
92	100		
91	170.9	150.3	190.3
65	20.6	2.5	42.5

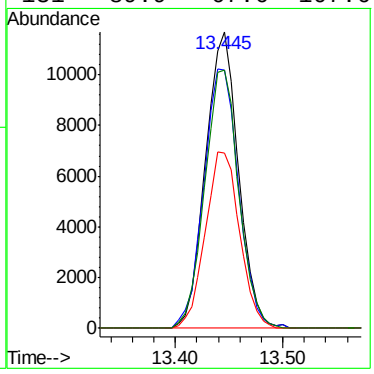




#73
TETRACHLOROETHYLENE
Concen: 0.85 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75856.D
Acq: 26 Apr 2022 11:17 pm

Tgt Ion:164 Resp: 24865

Ion	Ratio	Lower	Upper
164	100		
129	92.4	69.5	109.5
168	61.9	40.9	80.9
131	89.9	67.6	107.6



Manual Integration Approval Summary

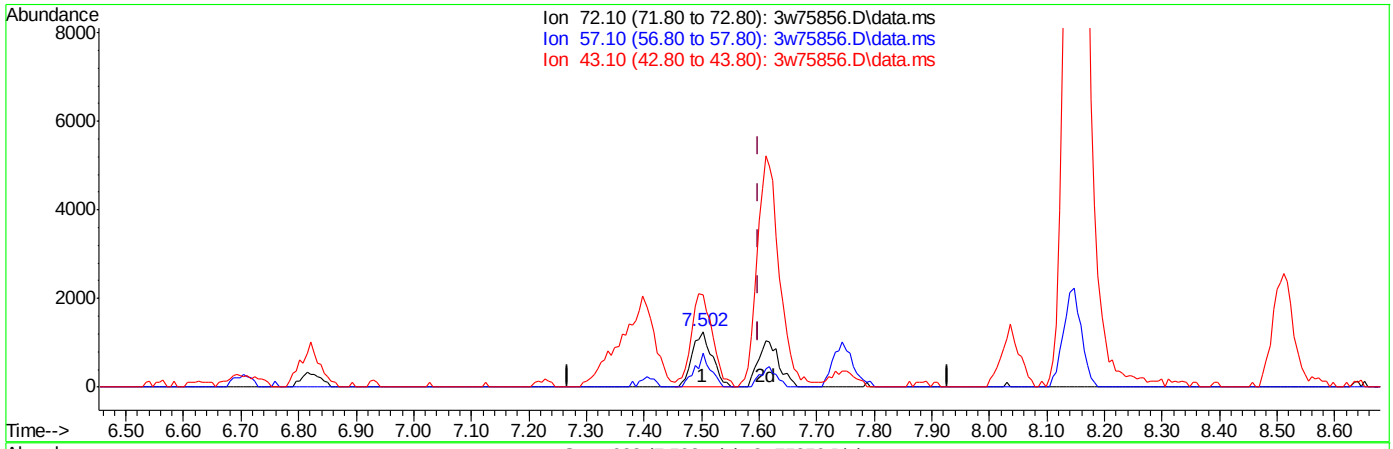
Sample Number:	JD42150-9	**Method:**	TO-15
Lab FileID:	3W75856.D	**Analyst approved:**	04/29/22 15:13 Benjamin Kim
Injection Time:	04/26/22 23:17	**Supervisor approved:**	04/29/22 15:20 Kanya Veerawat

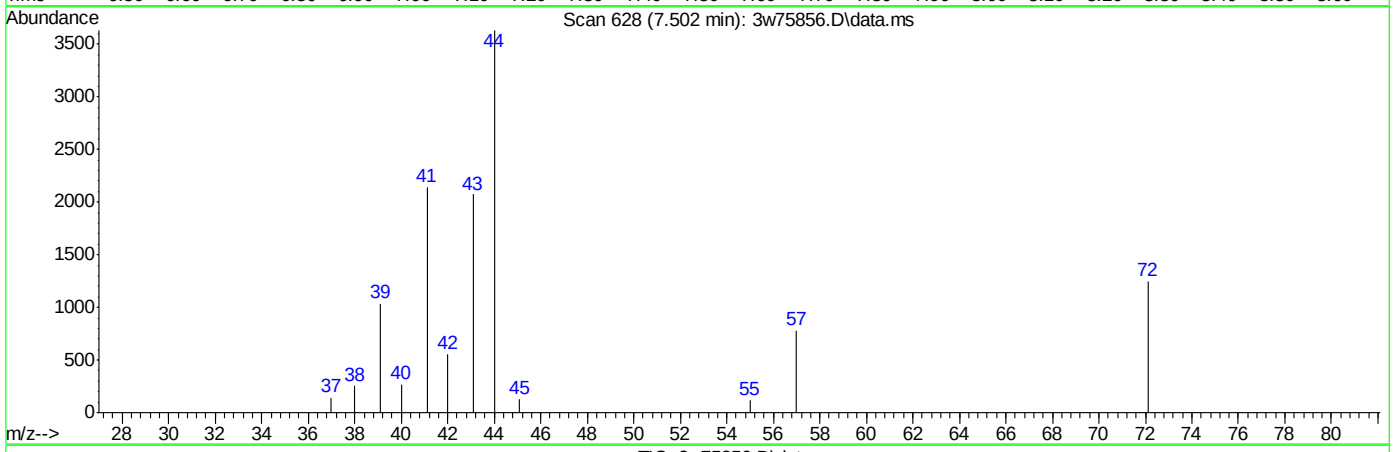
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.61	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75856.D
Acq On : 26 Apr 2022 11:17 pm
Operator : thomash
Sample : jd42150-9
Misc : MS57846,V3W2984,660,,,,1.65
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 29 12:45:58 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75856.D\data.ms

(41) METHYL ETHYL KETONE

7.502min (-0.097) 0.36PPBV

response 2982

Ion	Exp%	Act%
72.10	100	100
57.10	31.70	62.19#
43.10	429.10	165.87#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 14:37

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75857.D
Acq On : 27 Apr 2022 12:07 am
Operator : thomash
Sample : jd42150-10
Misc : MS57846,V3W2984,640,,,,1.60
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 29 12:57:52 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

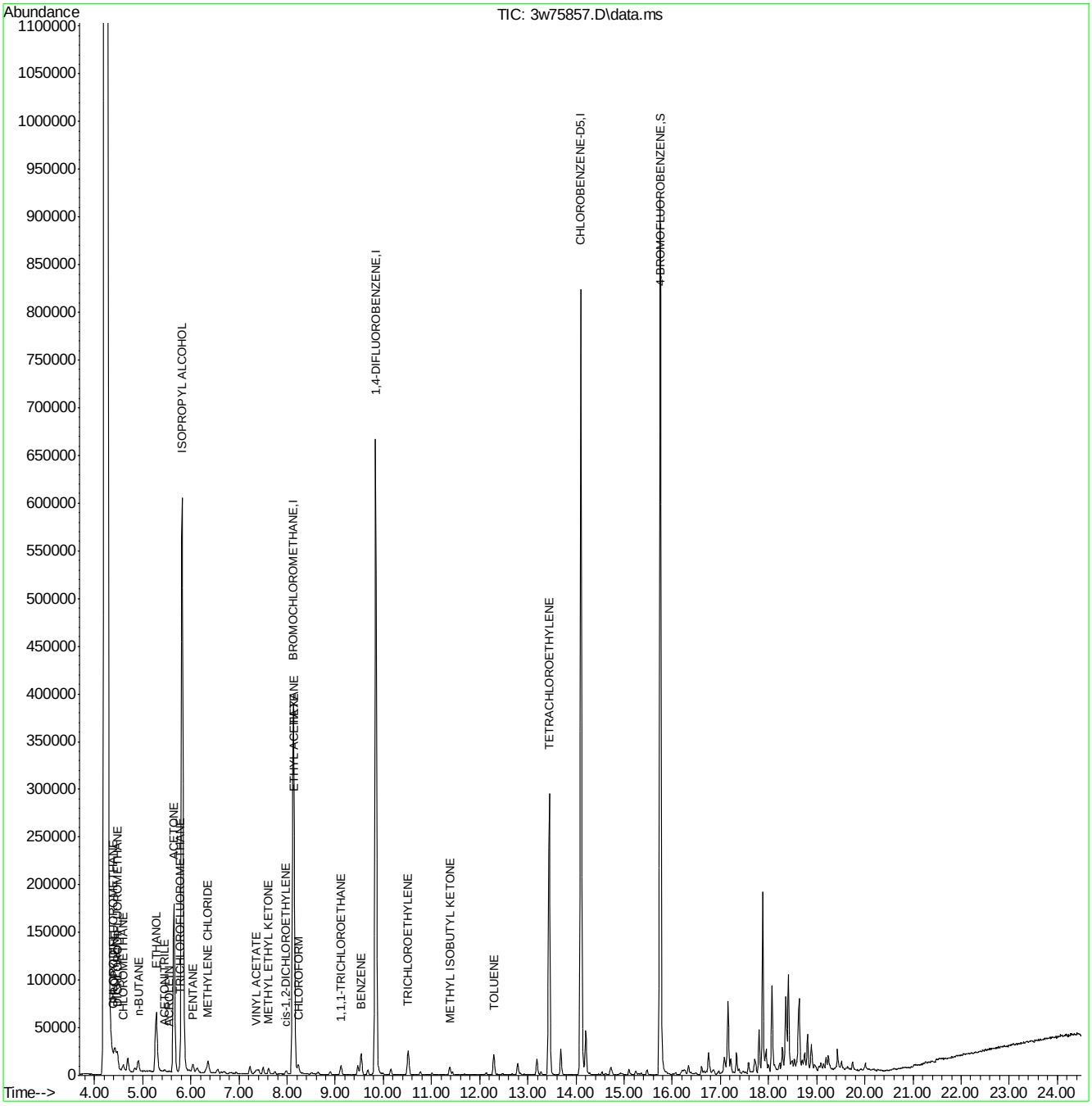
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	124178	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	630041	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	314277	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	374478	11.21	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.10%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.387	67	1540	0.28	PPBV		92
6) DICHLORODIFLUOROMETHANE	4.472	85	23923	0.42	PPBV		97
7) PROPYLENE	4.423	41	9171	0.58	PPBV	#	74
10) CHLOROMETHANE	4.594	52	2835	0.60	PPBV		97
13) n-BUTANE	4.910	43	15456	0.65	PPBV	#	91
17) ACETONITRILE	5.445	41	1557	0.23	PPBV	#	73
18) ACROLEIN	5.543	56	850	0.15	PPBV	#	62
21) TRICHLOROFLUOROMETHANE	5.780	101	11680	0.23	PPBV		98
22) ISOPROPYL ALCOHOL	5.817	45	1061982	30.92	PPBV		100
23) ACETONE	5.646	58	74270	8.86	PPBV	#	88
24) PENTANE	6.048	42	4030	0.21	PPBV		97
28) ETHANOL	5.281	45	107420	15.63	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	6294	0.38	PPBV		86
38) HEXANE	8.140	57	4300	0.16	PPBV		95
39) VINYL ACETATE	7.356	86	416	0.14	PPBV	#	1
41) METHYL ETHYL KETONE	7.605	72	1922m	0.23	PPBV		
42) cis-1,2-DICHLOROETHYLENE	7.976	96	2024	0.11	PPBV		91
44) ETHYL ACETATE	8.147	61	12723	2.33	PPBV	#	1
46) CHLOROFORM	8.232	83	6372	0.16	PPBV		93
48) 1,1,1-TRICHLOROETHANE	9.114	97	7913	0.17	PPBV		98
52) BENZENE	9.540	78	22403	0.43	PPBV		98
55) TRICHLOROETHYLENE	10.513	95	9314	0.37	PPBV		99
64) METHYL ISOBUTYL KETONE	11.377	58	2466	0.16	PPBV	#	72
66) TOLUENE	12.296	92	10319	0.28	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	84273	2.84	PPBV		99

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

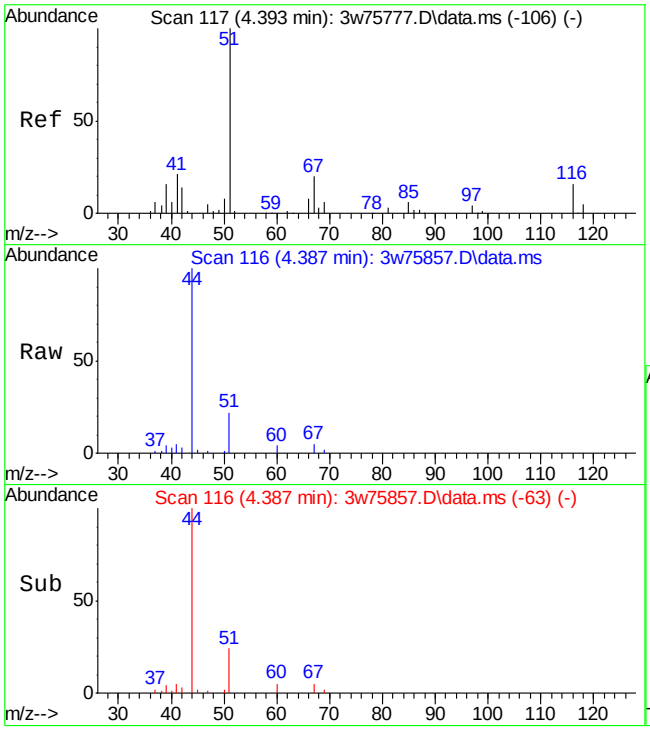
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75857.D
Acq On : 27 Apr 2022 12:07 am
Operator : thomash
Sample : jd42150-10
Misc : MS57846,V3W2984,640,,,,1.60
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 29 12:57:52 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



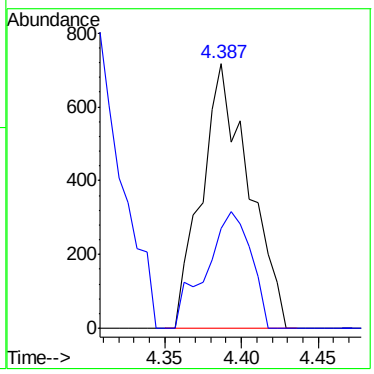
M3W2981.M Fri Apr 29 13:32:03 2022 Page: 2

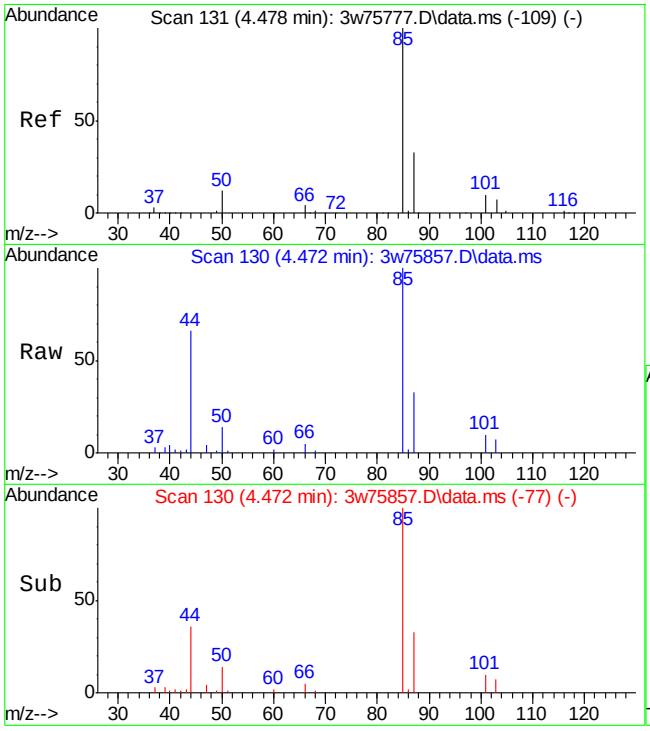


#4
CHLORODIFLUOROMETHANE
Concen: 0.28 PPBV
RT: 4.387 min Scan# 116
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 67 Resp: 1540

Ion	Ratio	Lower	Upper
67	100		
69	37.7	13.0	53.0

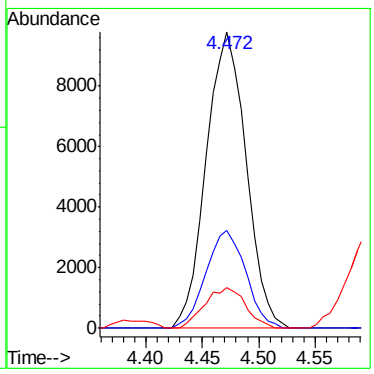


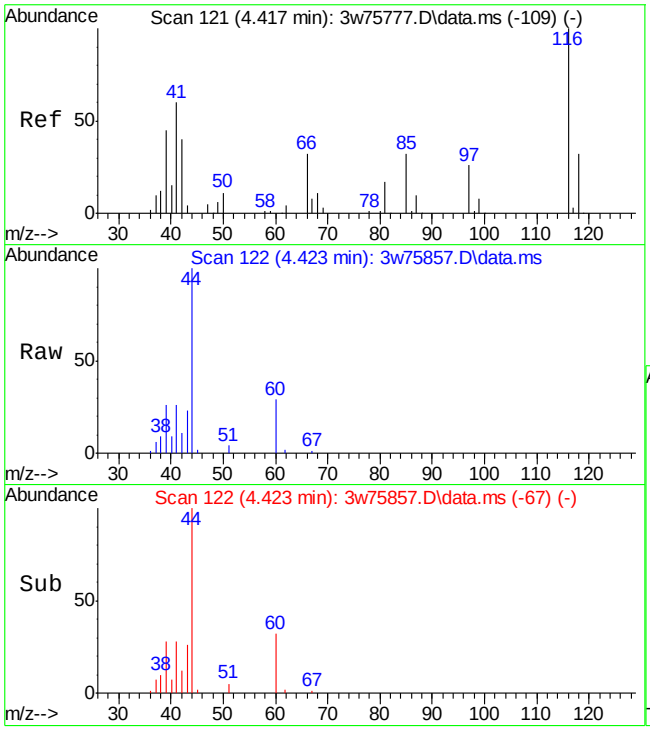


#6
DICHLORODIFLUOROMETHANE
Concen: 0.42 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 85 Resp: 23923

Ion	Ratio	Lower	Upper
85	100		
87	32.8	12.5	52.5
50	14.0	0.0	30.4

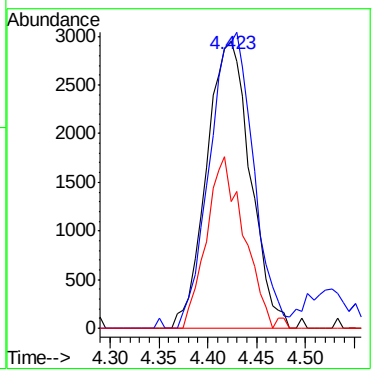


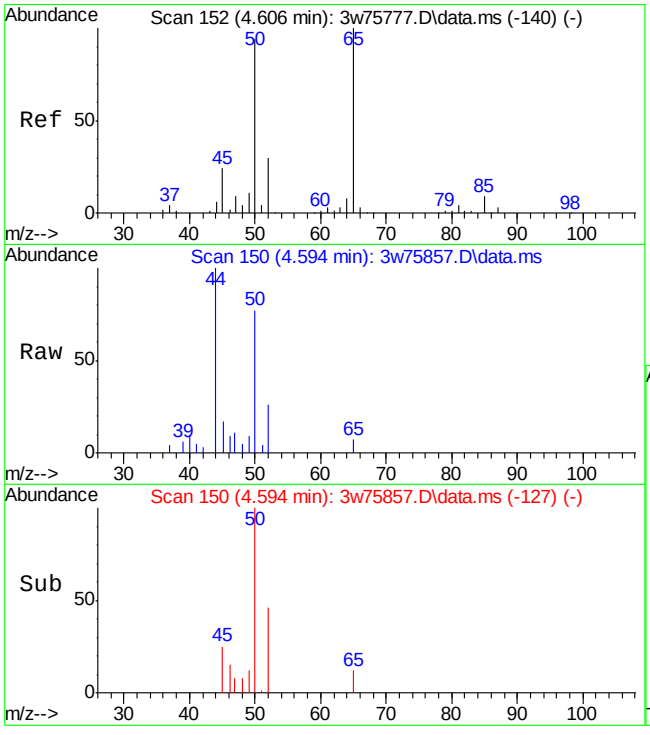


#7
PROPYLENE
Concen: 0.58 PPBV
RT: 4.423 min Scan# 122
Delta R.T. 0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 41 Resp: 9171

Ion	Ratio	Lower	Upper
41	100		
39	103.5	54.9	94.9#
42	51.6	45.4	85.4

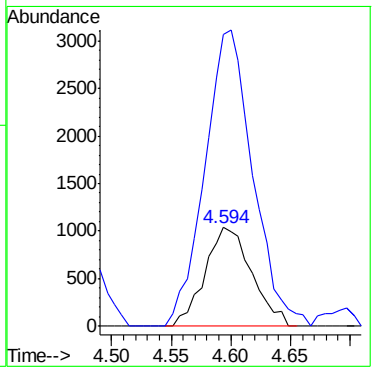


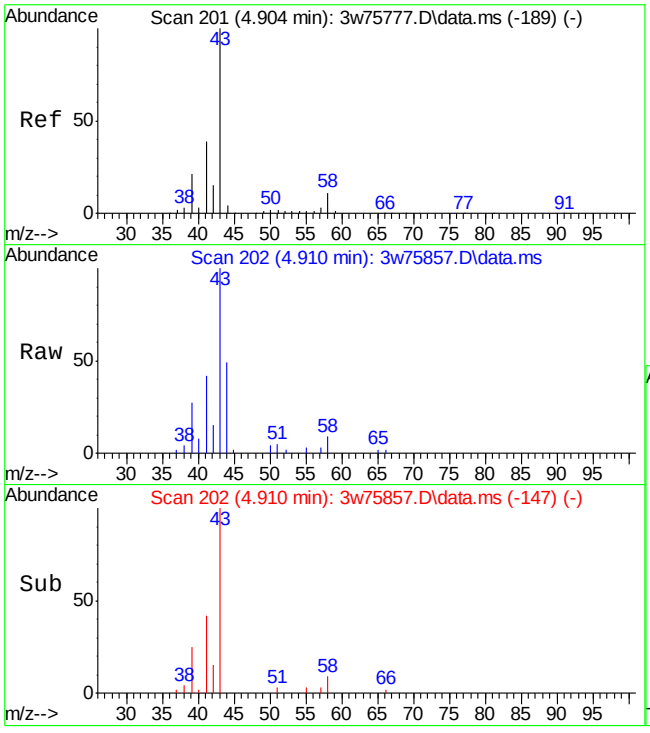


#10
CHLOROMETHANE
Concen: 0.60 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 52 Resp: 2835

Ion	Ratio	Lower	Upper
52	100		
50	290.0	276.8	316.8

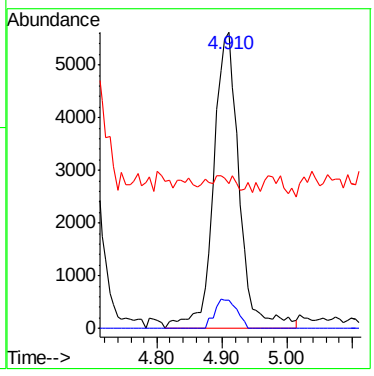


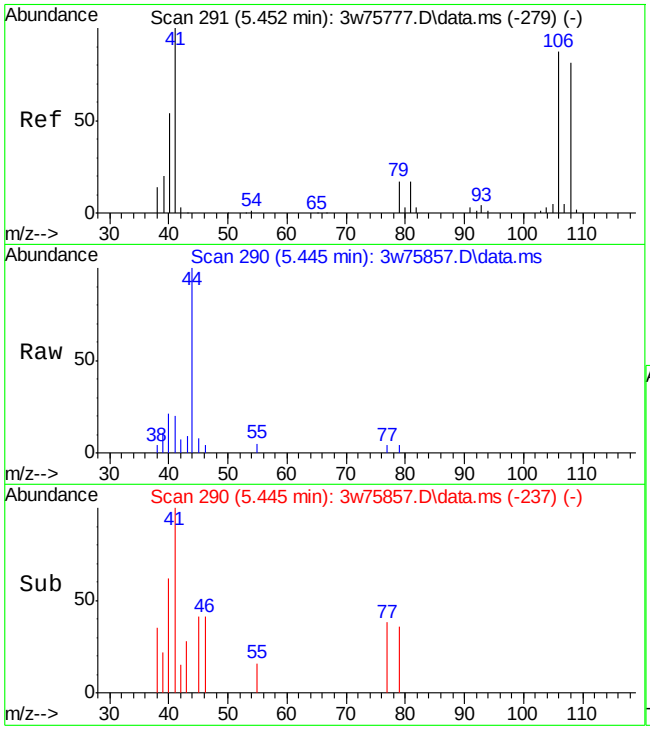


#13
n-BUTANE
Concen: 0.65 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 43 Resp: 15456

Ion	Ratio	Lower	Upper
43	100		
58	8.5	0.0	31.2
44	0.0	0.0	24.6

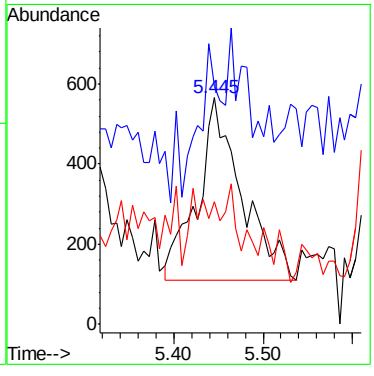


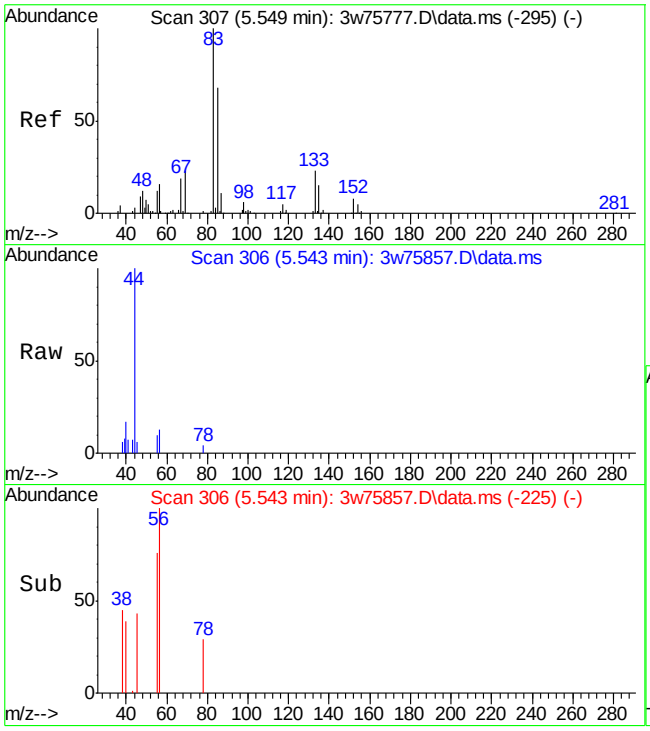


#17
ACETONITRILE
Concen: 0.23 PPBV
RT: 5.445 min Scan# 290
Delta R.T. -0.007 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 41 Resp: 1557

Ion	Ratio	Lower	Upper
41	100		
40	40.7	44.3	66.5#
39	0.0	16.2	24.4#

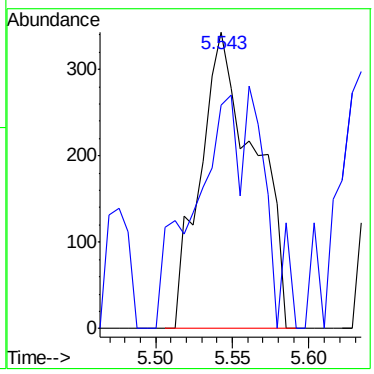


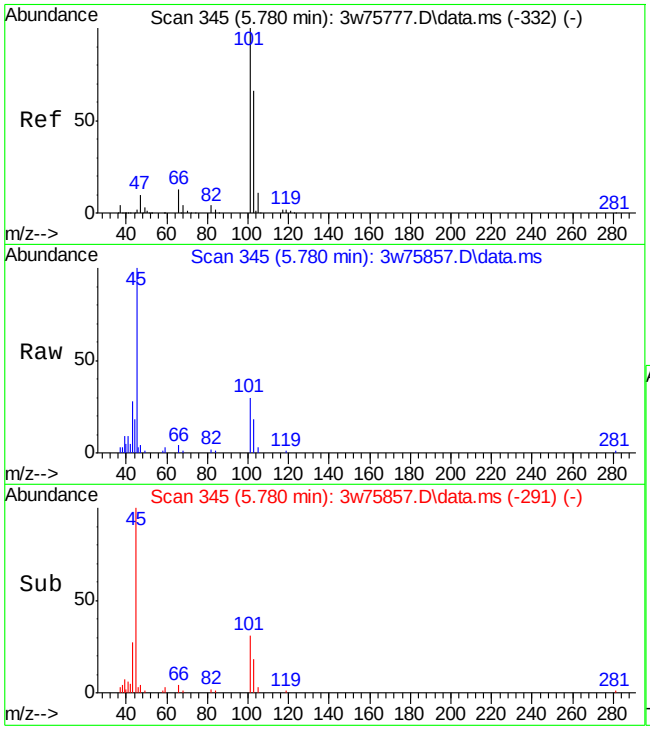


#18
ACROLEIN
Concen: 0.15 PPBV
RT: 5.543 min Scan# 306
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 56 Resp: 850

Ion	Ratio	Lower	Upper
56	100		
55	99.3	55.0	82.6#

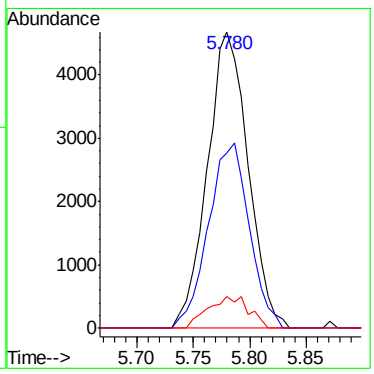


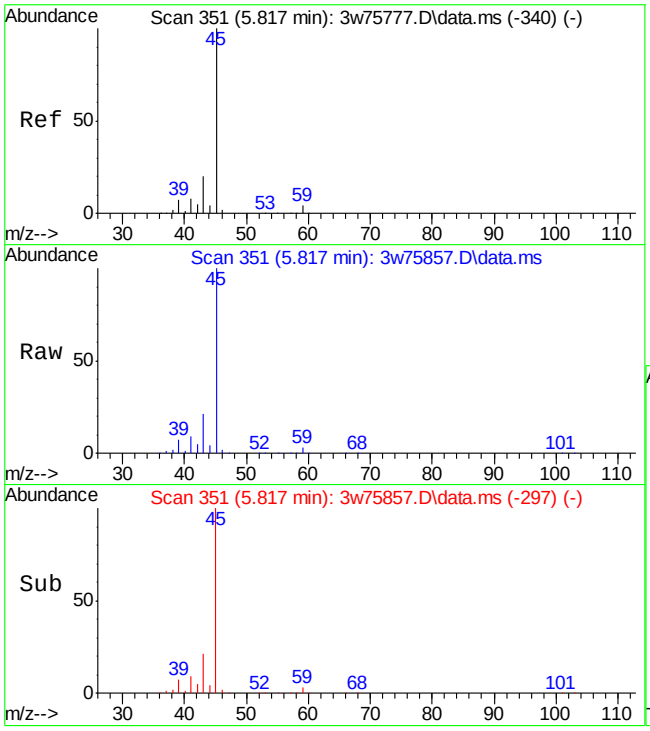


#21
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 5.780 min Scan# 345
Delta R.T. 0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion:101 Resp: 11680

Ion	Ratio	Lower	Upper
101	100		
103	62.6	44.8	84.8
105	10.6	0.0	30.5

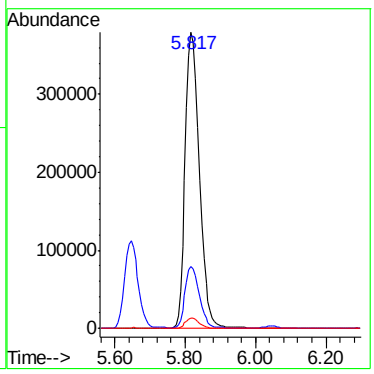


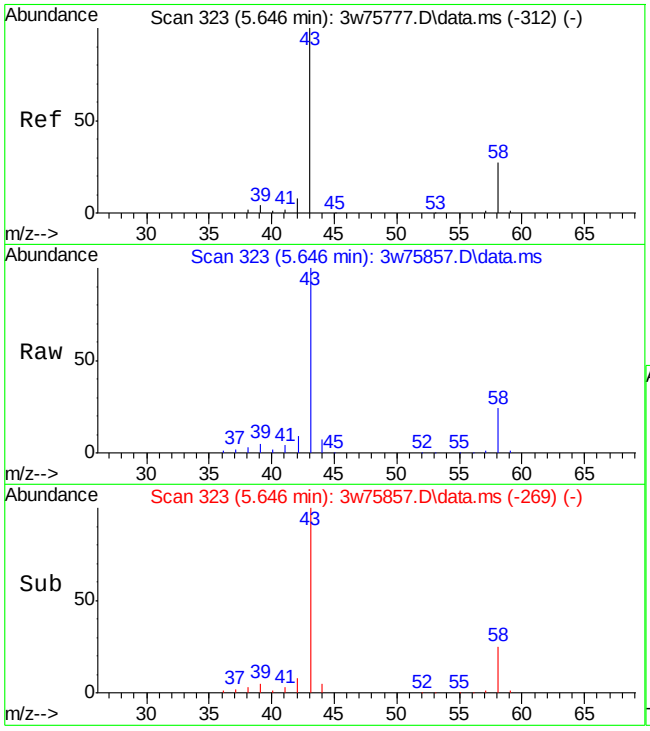


#22
ISOPROPYL ALCOHOL
Concen: 30.92 PPBV
RT: 5.817 min Scan# 351
Delta R.T. -0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 45 Resp: 1061982

Ion	Ratio	Lower	Upper
45	100		
43	20.9	0.7	40.7
59	3.4	0.0	23.6

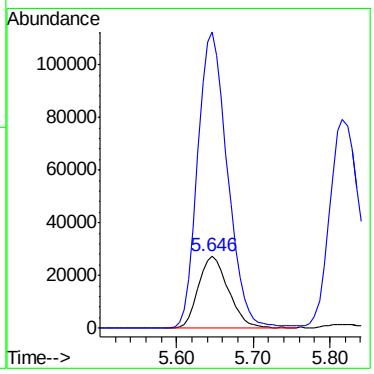


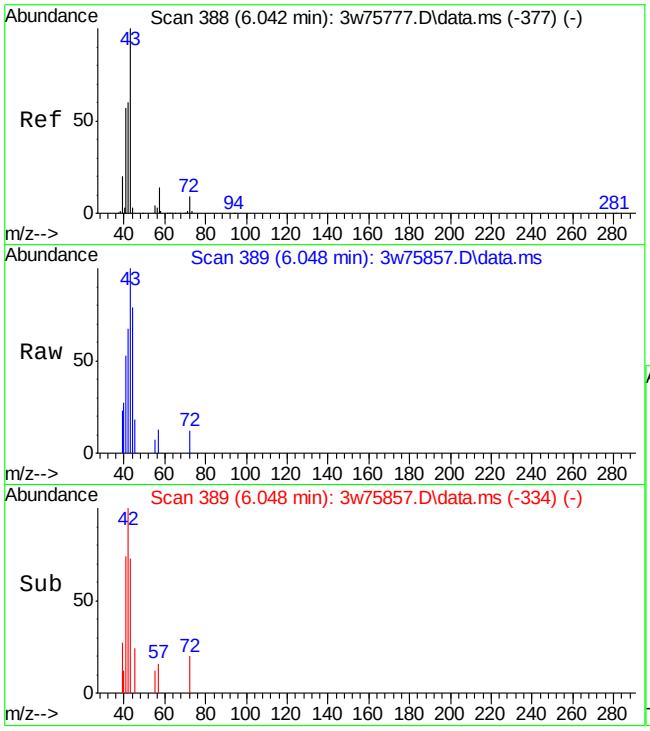


#23
ACETONE
Concen: 8.86 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 58 Resp: 74270

Ion	Ratio	Lower	Upper
58	100		
43	409.6	362.9	402.9#

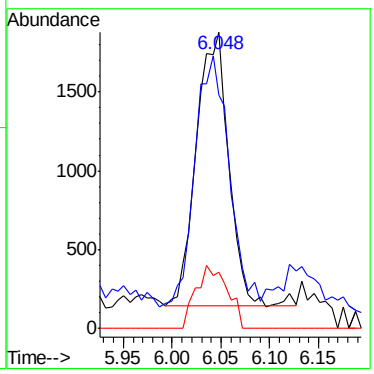


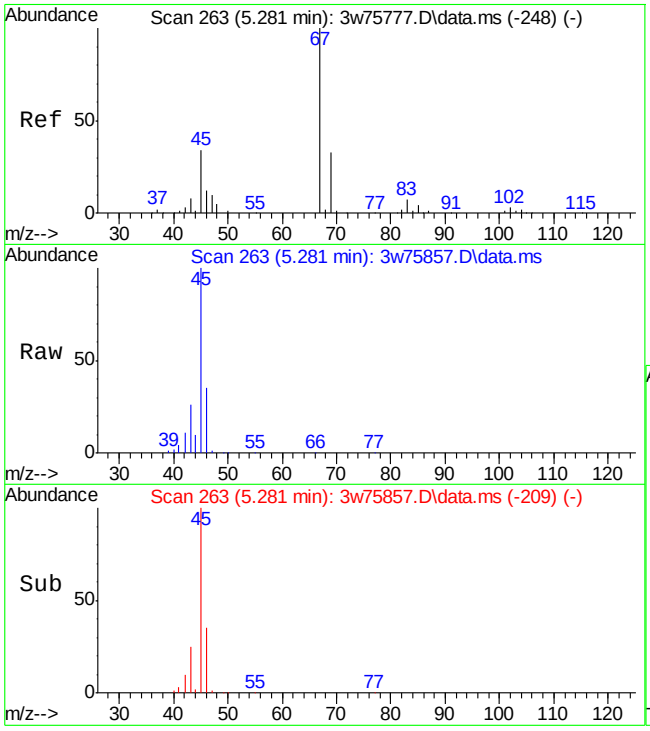


#24
PENTANE
Concen: 0.21 PPBV
RT: 6.048 min Scan# 389
Delta R.T. 0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 42 Resp: 4030

Ion	Ratio	Lower	Upper
42	100		
41	95.7	73.3	113.3
57	22.0	4.4	44.4

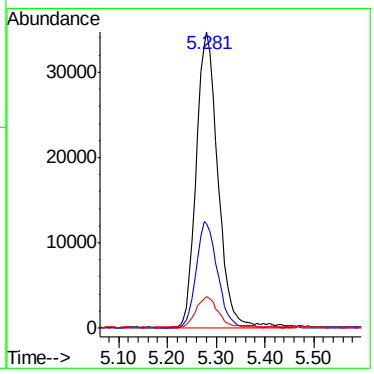


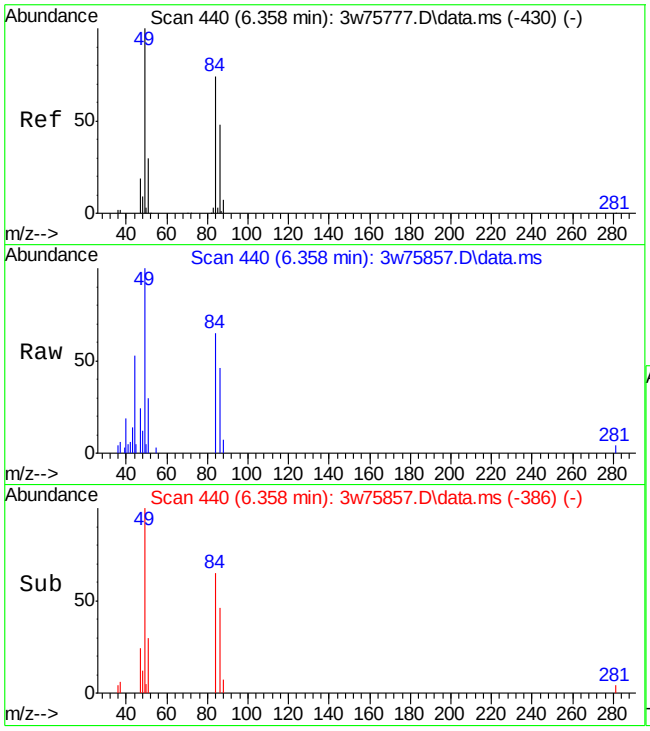


#28
ETHANOL
Concen: 15.63 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 45 Resp: 107420

Ion	Ratio	Lower	Upper
45	100		
46	35.0	14.9	54.9
42	10.5	0.0	30.1

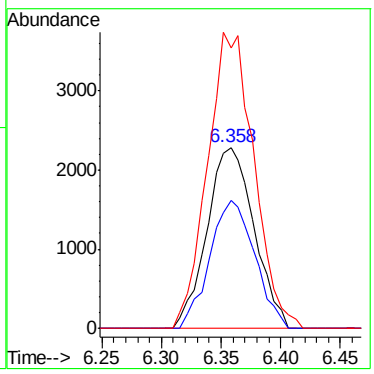


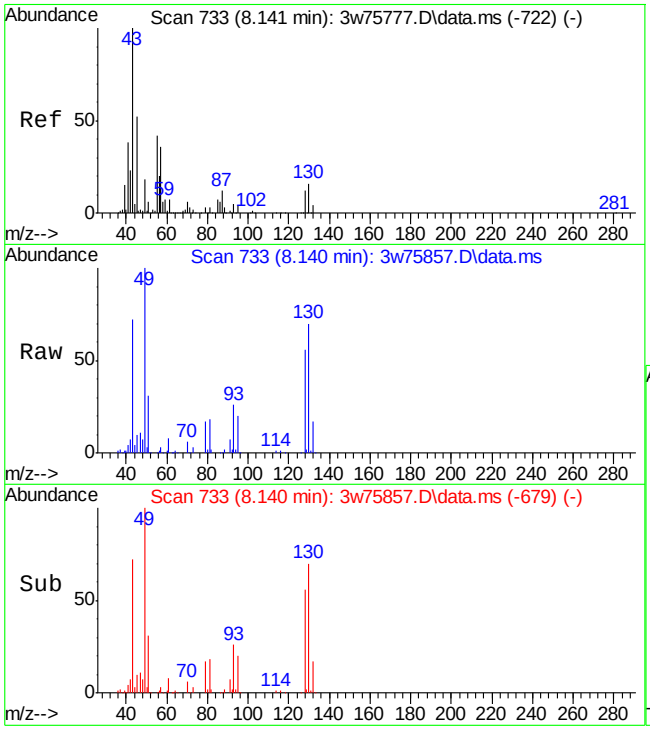


#31
METHYLENE CHLORIDE
Concen: 0.38 PPBV
RT: 6.358 min Scan# 440
Delta R.T. -0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 84 Resp: 6294

Ion	Ratio	Lower	Upper
84	100		
86	67.5	45.6	85.6
49	161.9	0.0	337.9

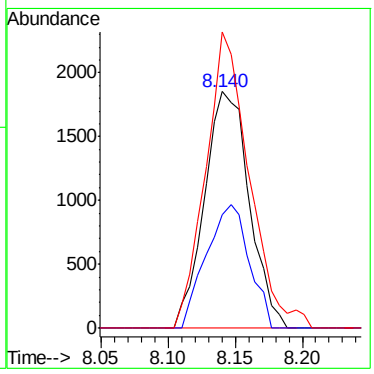


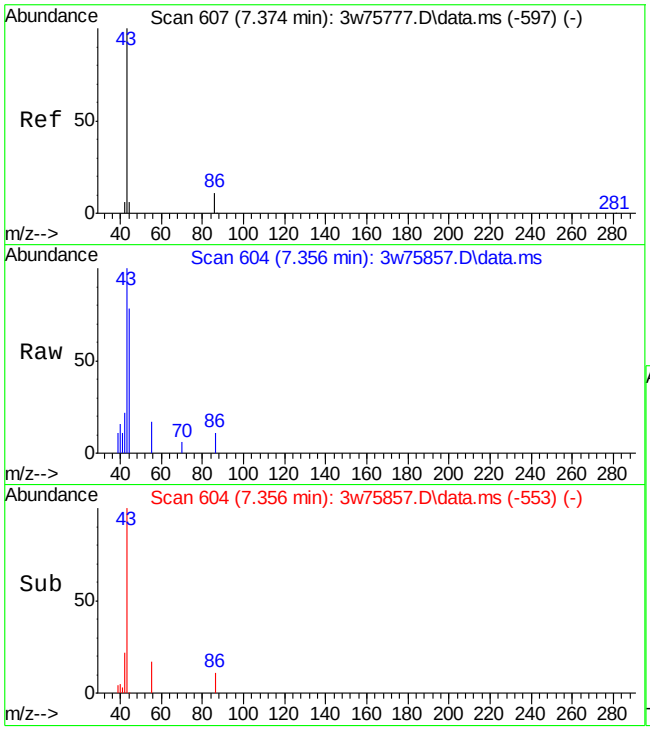


#38
HEXANE
Concen: 0.16 PPBV
RT: 8.140 min Scan# 733
Delta R.T. -0.001 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 57 Resp: 4300

Ion	Ratio	Lower	Upper
57	100		
56	49.9	34.6	74.6
41	121.7	107.4	147.4

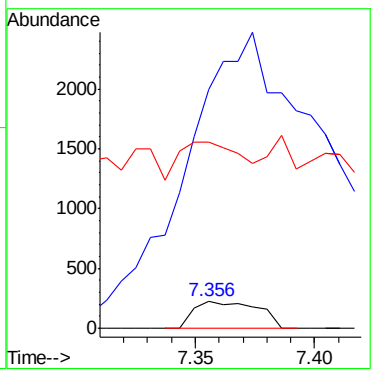


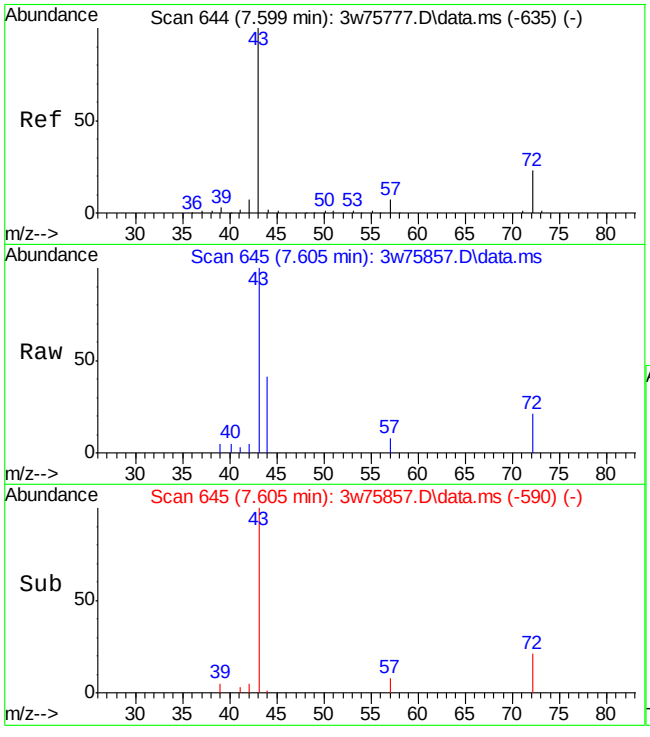


#39
VINYL ACETATE
Concen: 0.14 PPBV
RT: 7.356 min Scan# 604
Delta R.T. -0.018 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 86 Resp: 416

Ion	Ratio	Lower	Upper
86	100		
43	0.0	1267.8	1307.8#
44	0.0	43.5	83.5#

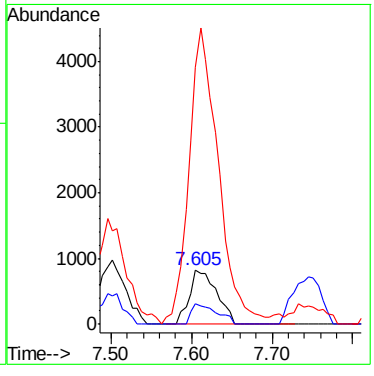


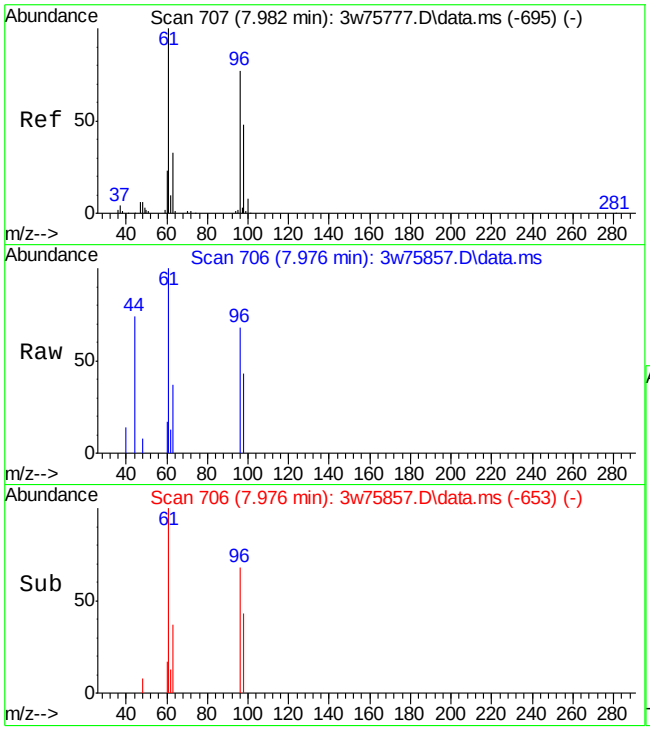


#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.605 min Scan# 645
Delta R.T. 0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 72 Resp: 1922

Ion	Ratio	Lower	Upper
72	100		
57	36.5	11.7	51.7
43	471.7	409.1	449.1#

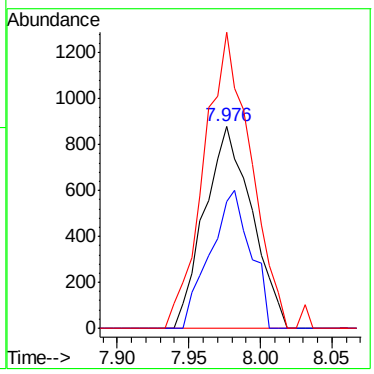


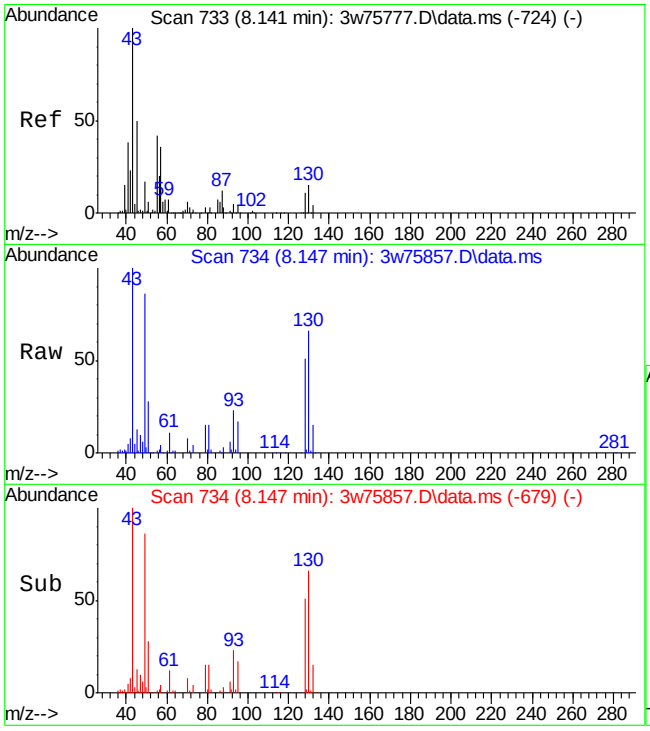


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.11 PPBV
RT: 7.976 min Scan# 706
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 96 Resp: 2024

Ion	Ratio	Lower	Upper
96	100		
98	58.7	43.0	83.0
61	145.0	112.4	152.4

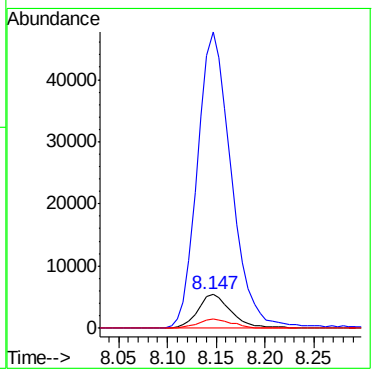


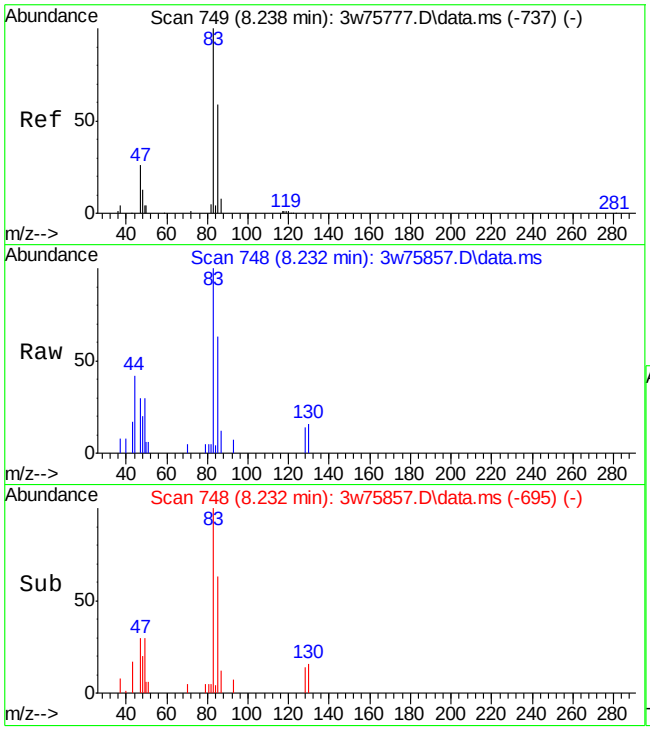


#44
ETHYL ACETATE
Concen: 2.33 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 61 Resp: 12723

Ion	Ratio	Lower	Upper
61	100		
43	917.2	1591.1	1631.1#
88	26.6	23.8	63.8

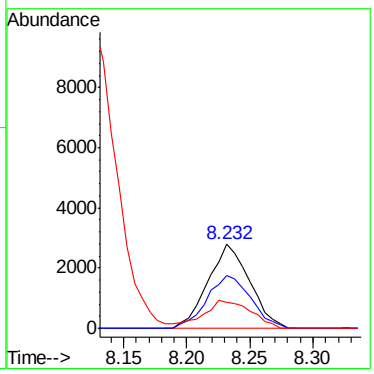


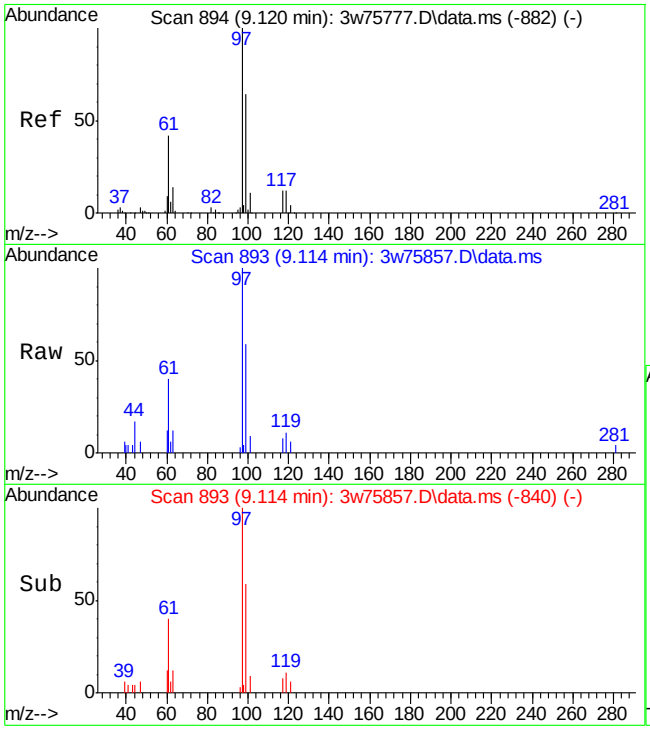


#46
CHLOROFORM
Concen: 0.16 PPBV
RT: 8.232 min Scan# 748
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 83 Resp: 6372

Ion	Ratio	Lower	Upper
83	100		
85	66.1	45.8	85.8
47	37.6	6.1	46.1

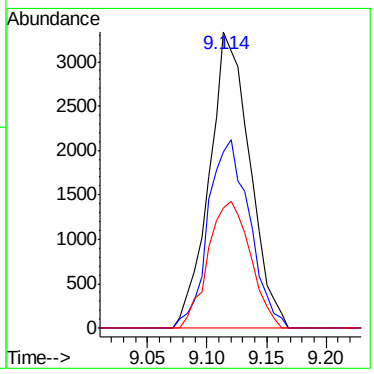


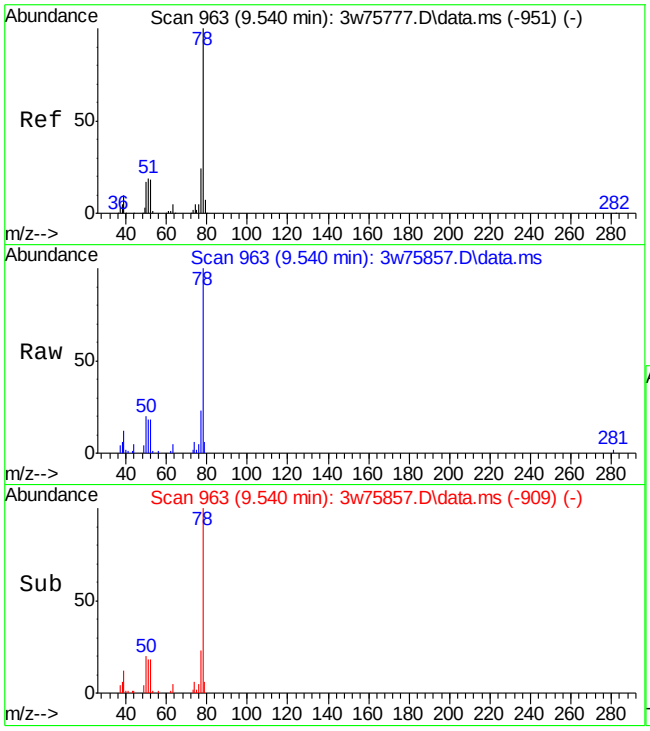


#48
1,1,1-TRICHLOROETHANE
Concen: 0.17 PPBV
RT: 9.114 min Scan# 893
Delta R.T. -0.006 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 97 Resp: 7913

Ion	Ratio	Lower	Upper
97	100		
99	64.7	44.1	84.1
61	44.5	22.3	62.3

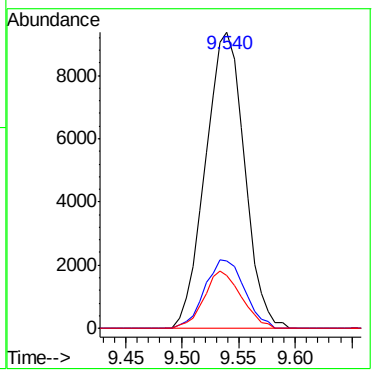


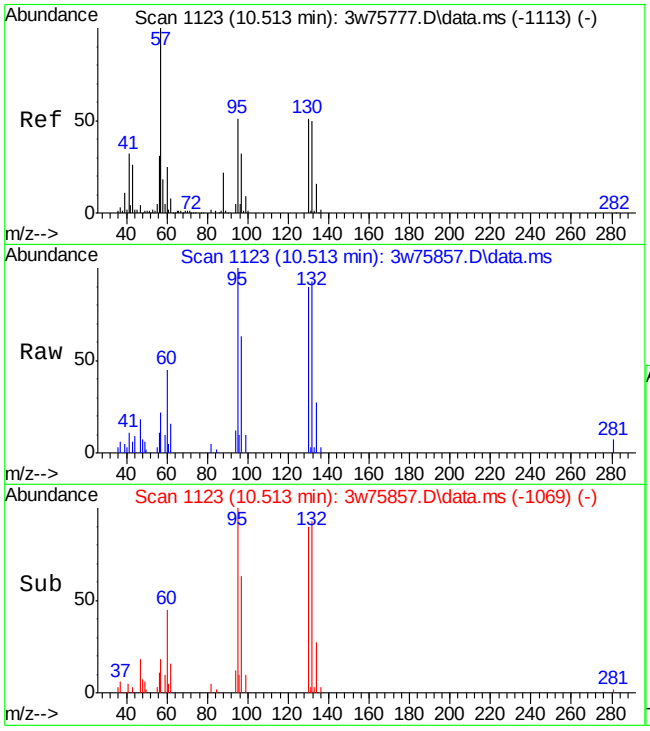


#52
BENZENE
Concen: 0.43 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 78 Resp: 22403

Ion	Ratio	Lower	Upper
78	100		
77	23.6	3.4	43.4
52	18.5	0.0	37.0

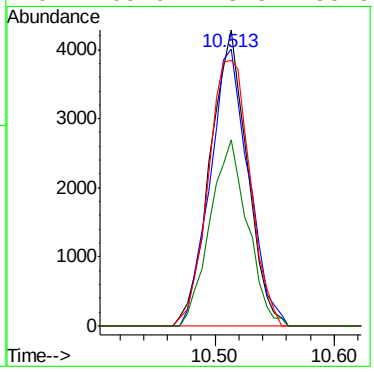


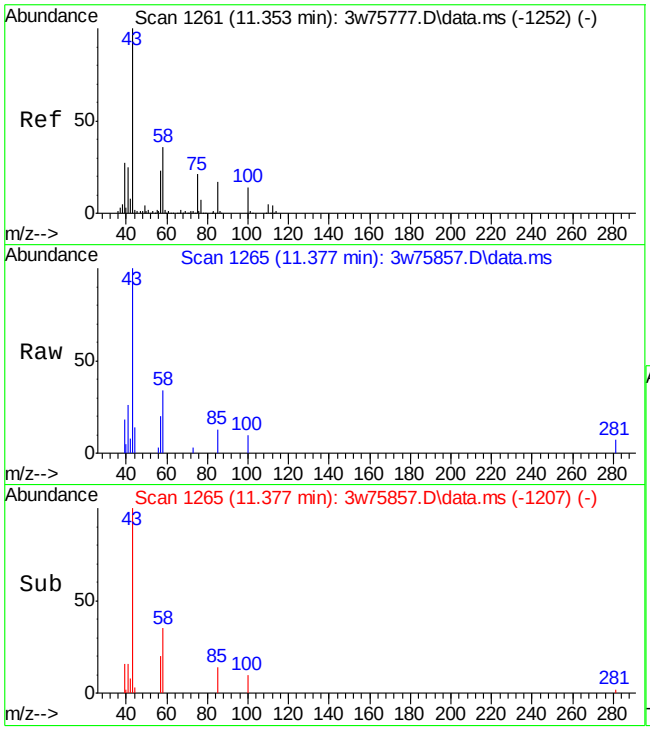


#55
TRICHLOROETHYLENE
Concen: 0.37 PPBV
RT: 10.513 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 95 Resp: 9314

Ion	Ratio	Lower	Upper
95	100		
132	97.1	78.7	118.7
130	100.8	80.9	120.9
97	63.6	43.8	83.8

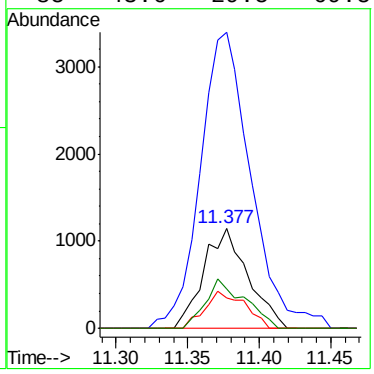


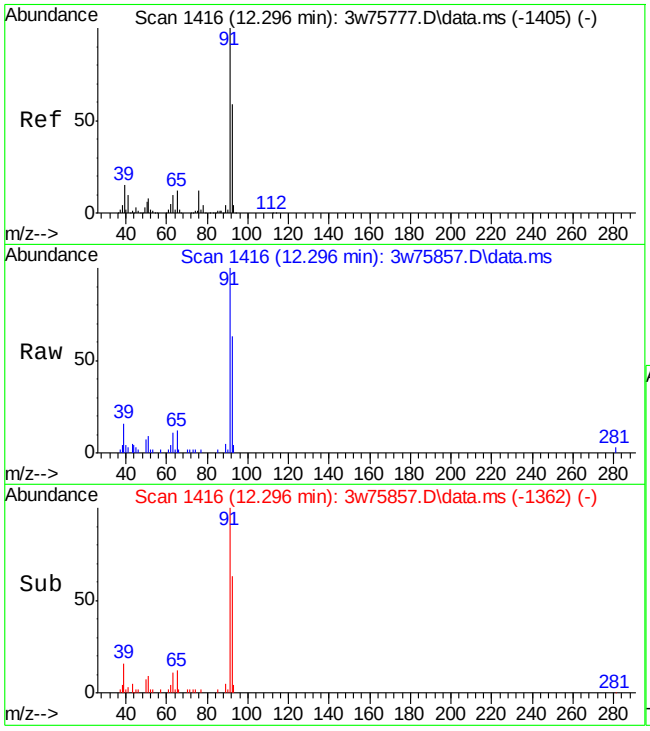


#64
METHYL ISOBUTYL KETONE
Concen: 0.16 PPBV
RT: 11.377 min Scan# 1265
Delta R.T. 0.024 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 58 Resp: 2466

Ion	Ratio	Lower	Upper
58	100		
43	339.7	256.1	296.1#
100	33.0	18.1	58.1
85	43.6	29.5	69.5

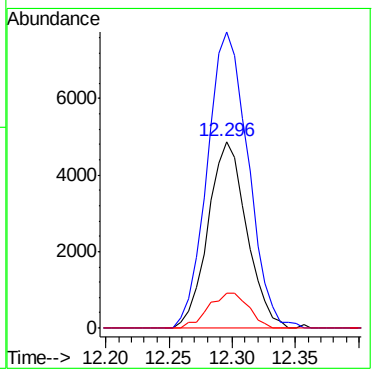


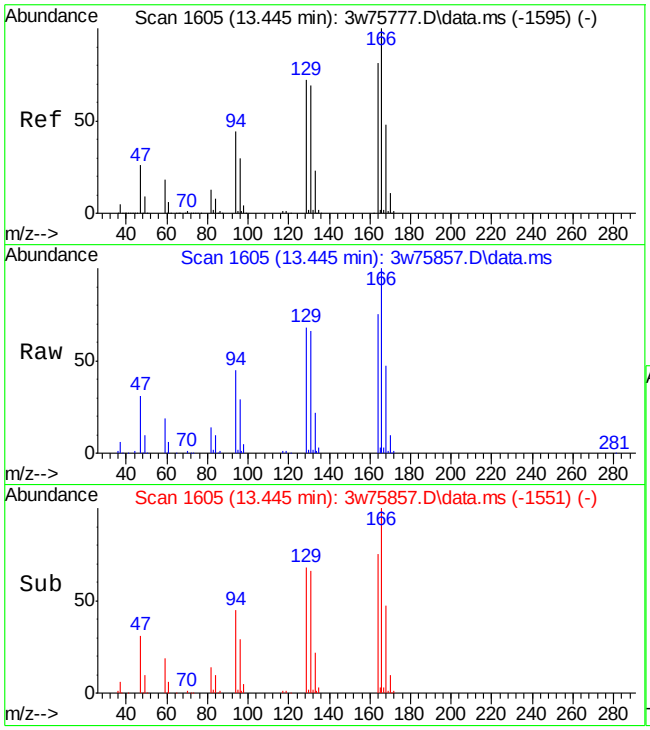


#66
TOLUENE
Concen: 0.28 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion: 92 Resp: 10319

Ion	Ratio	Lower	Upper
92	100		
91	168.4	150.3	190.3
65	19.6	2.5	42.5

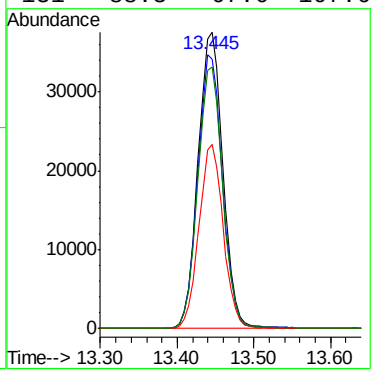




#73
TETRACHLOROETHYLENE
Concen: 2.84 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75857.D
Acq: 27 Apr 2022 12:07 am

Tgt Ion:164 Resp: 84273

Ion	Ratio	Lower	Upper
164	100		
129	92.0	69.5	109.5
168	60.7	40.9	80.9
131	88.3	67.6	107.6



7.1.9

7

Manual Integration Approval Summary

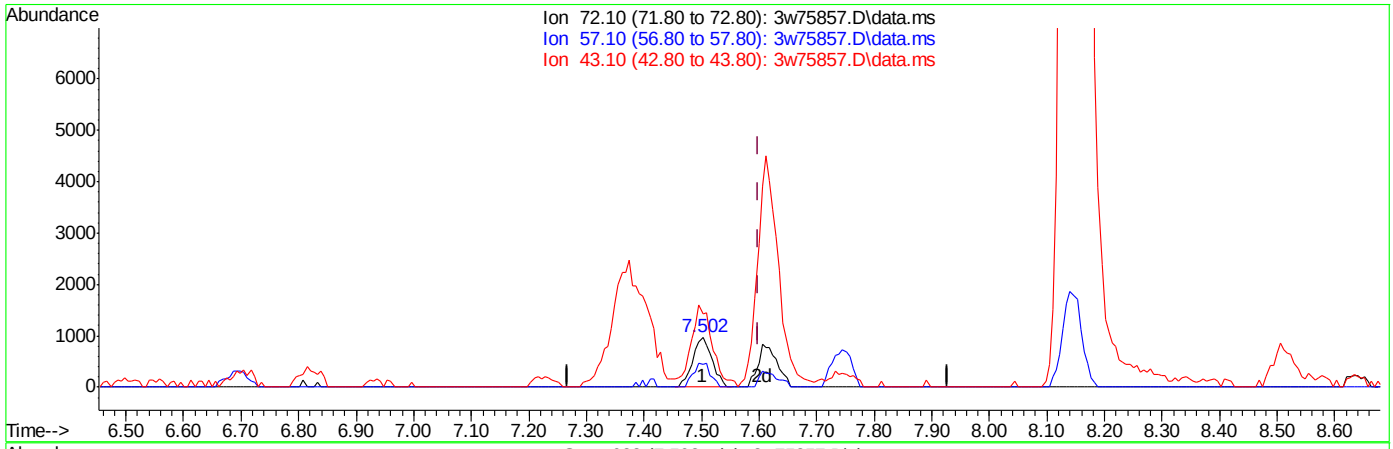
Sample Number:	JD42150-10	**Method:**	TO-15
Lab FileID:	3W75857.D	**Analyst approved:**	04/29/22 14:02 Benjamin Kim
Injection Time:	04/27/22 00:07	**Supervisor approved:**	04/29/22 14:37 Kanya Veerawat

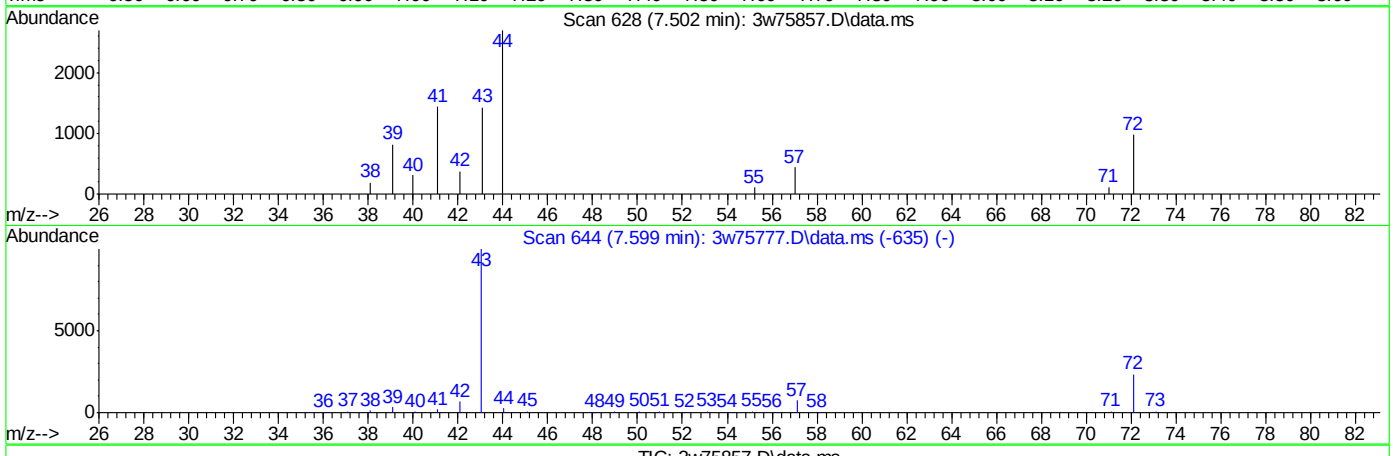
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.61	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75857.D
Acq On : 27 Apr 2022 12:07 am
Operator : thomash
Sample : jd42150-10
Misc : MS57846,V3W2984,640,,,,1.60
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 29 12:48:04 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75857.D\data.ms

(41) METHYL ETHYL KETONE

7.502min (-0.097) 0.27PPBV

response 2243

Ion	Exp%	Act%
72.10	100	100
57.10	31.70	44.91
43.10	429.10	146.15#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75858.D
Acq On : 27 Apr 2022 12:50 am
Operator : thomash
Sample : jd42150-11
Misc : MS57846,V3W2984,160,,,,1.60
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 13:02:39 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

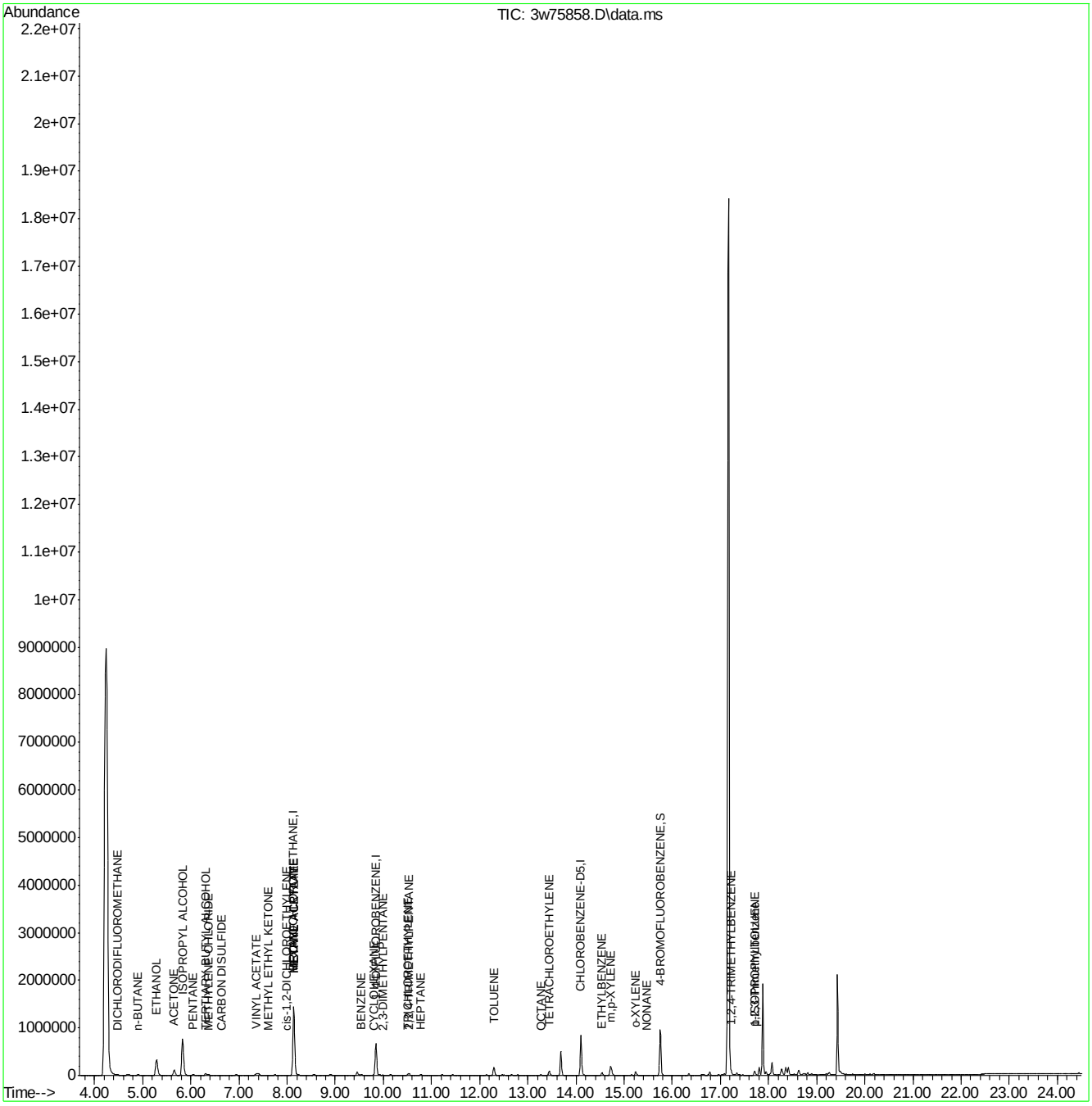
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	125611	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	638329	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	321963	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	383635	11.21	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.10%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.472	85	6106	0.11	PPBV		97
13) n-BUTANE	4.904	43	14944	0.62	PPBV		90
22) ISOPROPYL ALCOHOL	5.829	45	1331252	38.31	PPBV		99
23) ACETONE	5.646	58	37300	4.40	PPBV	#	73
24) PENTANE	6.048	42	11119	0.58	PPBV		98
27) CARBON DISULFIDE	6.638	76	6373	0.13	PPBV	#	76
28) ETHANOL	5.287	45	567225	81.59	PPBV		99
31) METHYLENE CHLORIDE	6.364	84	5313	0.32	PPBV		93
35) TERTIARY BUTYL ALCOHOL	6.303	59	44812	1.30	PPBV		87
38) HEXANE	8.146	57	14499	0.55	PPBV	#	52
39) VINYL ACETATE	7.368	86	8130	2.77	PPBV		97
41) METHYL ETHYL KETONE	7.611	72	2739	0.33	PPBV	#	67
42) cis-1,2-DICHLOROETHYLENE	7.982	96	3842	0.21	PPBV		95
44) ETHYL ACETATE	8.140	61	202554	36.75	PPBV	#	1
45) METHYL ACRYLATE	8.146	55	3320	0.10	PPBV	#	42
52) BENZENE	9.540	78	24493	0.46	PPBV		98
53) CYCLOHEXANE	9.795	84	6224	0.26	PPBV	#	65
54) 2,3-DIMETHYLPENTANE	9.990	71	2116	0.19	PPBV	#	78
55) TRICHLOROETHYLENE	10.513	95	8501	0.33	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	25114	0.30	PPBV		83
62) HEPTANE	10.768	43	14321	0.44	PPBV		85
66) TOLUENE	12.295	92	81706	2.16	PPBV		96
73) TETRACHLOROETHYLENE	13.445	164	27401	0.90	PPBV		99
76) OCTANE	13.275	43	8677	0.20	PPBV		86
79) ETHYLBENZENE	14.540	91	52960	0.62	PPBV		99
80) m,p-XYLENE	14.723	106	83354	2.63	PPBV		95
81) o-XYLENE	15.240	106	27488	0.88	PPBV		98
83) NONANE	15.471	43	4774	0.11	PPBV		84
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	28496	0.39	PPBV	#	25
101) 1,2,3-Trimethylbenzene	17.710	105	7311	0.10	PPBV	#	23
102) p-ISOPROPYLTOLUENE	17.710	134	8314	0.34	PPBV	#	1

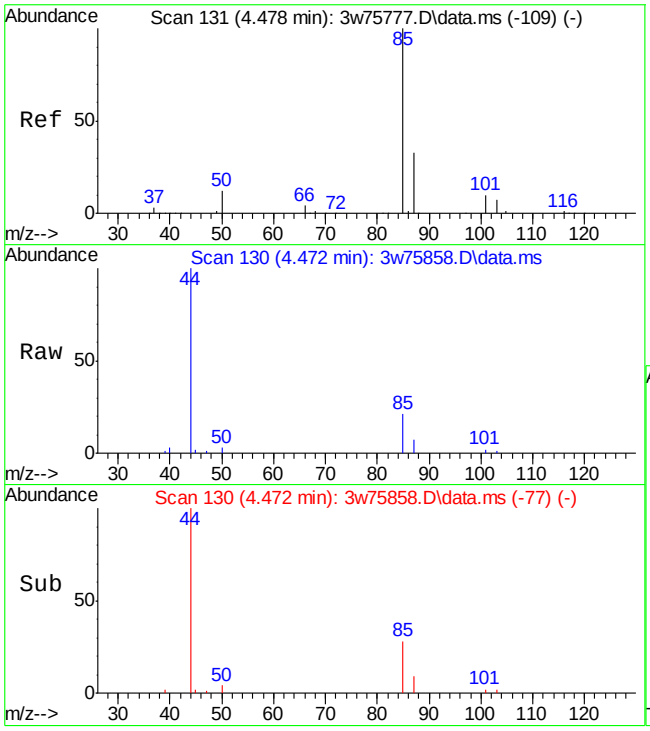
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75858.D
Acq On : 27 Apr 2022 12:50 am
Operator : thomash
Sample : jd42150-11
Misc : MS57846,V3W2984,160,,,,1.60
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 13:02:39 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

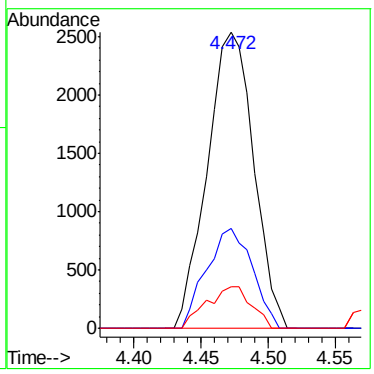


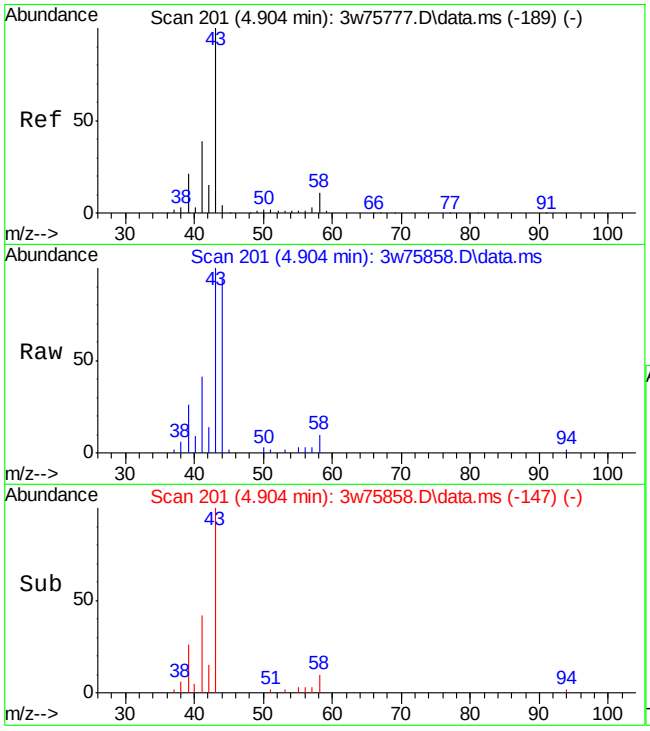


#6
DICHLORODIFLUOROMETHANE
Concen: 0.11 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 85 Resp: 6106

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.5	52.5
50	13.5	0.0	30.4

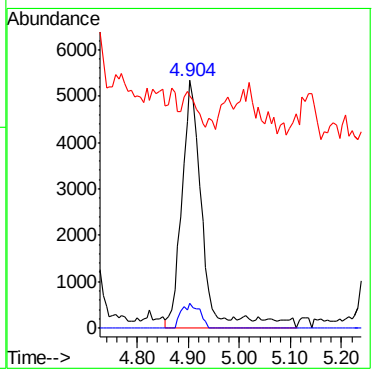


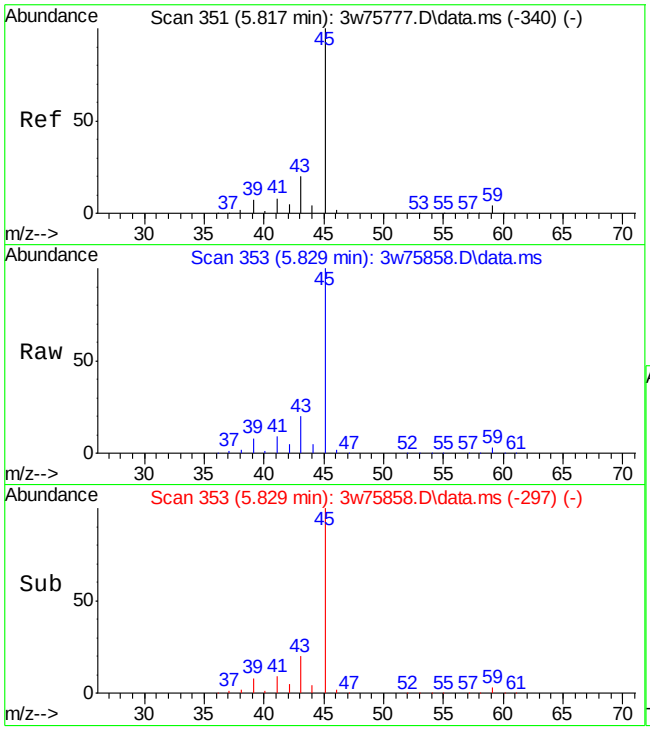


#13
n-BUTANE
Concen: 0.62 PPBV
RT: 4.904 min Scan# 201
Delta R.T. -0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 43 Resp: 14944

Ion	Ratio	Lower	Upper
43	100		
58	8.6	0.0	31.2
44	10.4	0.0	24.6

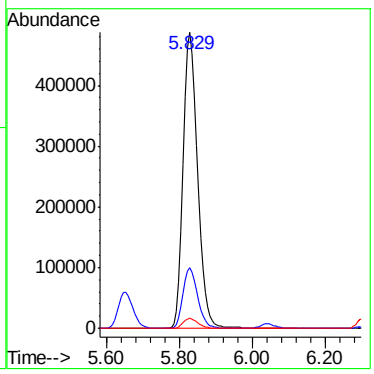


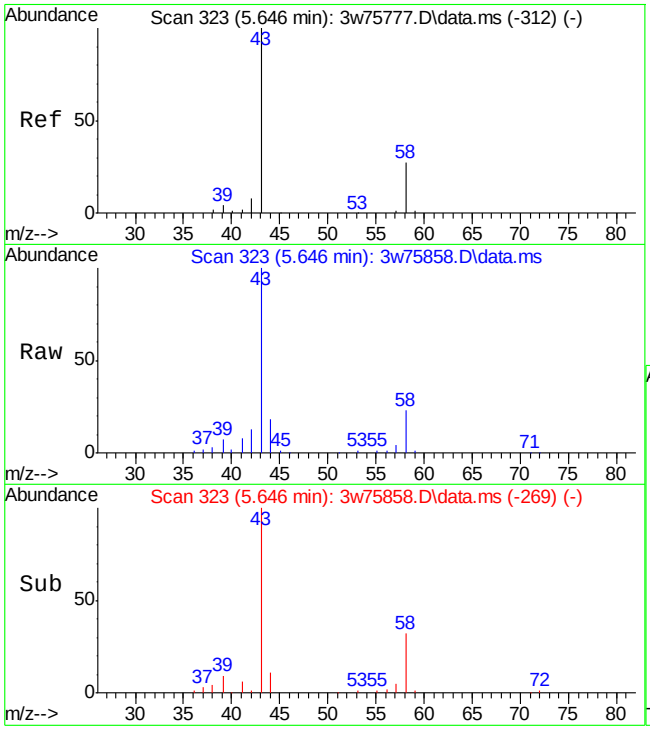


#22
ISOPROPYL ALCOHOL
Concen: 38.31 PPBV
RT: 5.829 min Scan# 353
Delta R.T. 0.012 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 45 Resp: 1331252

Ion	Ratio	Lower	Upper
45	100		
43	20.4	0.7	40.7
59	3.5	0.0	23.6

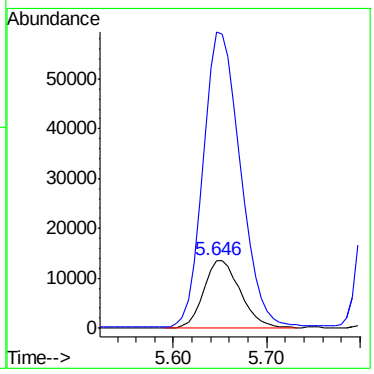


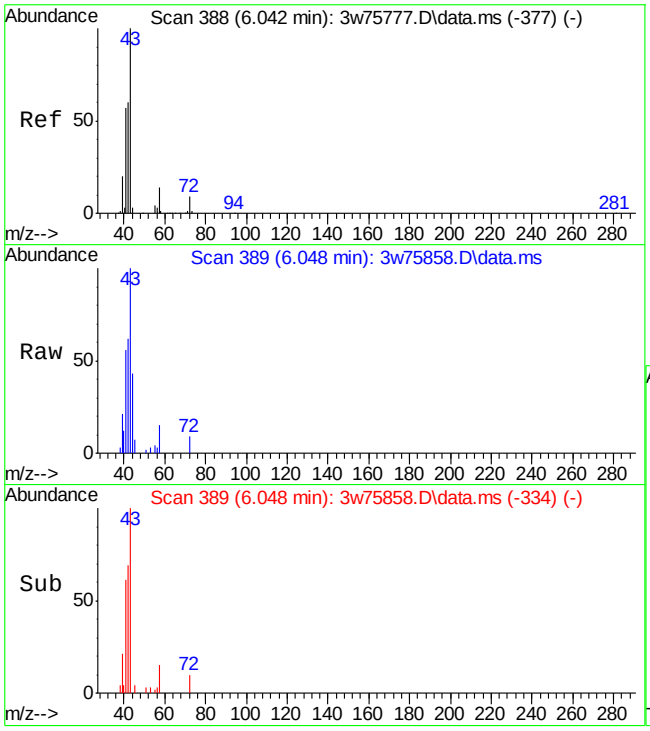


#23
ACETONE
Concen: 4.40 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 58 Resp: 37300

Ion	Ratio	Lower	Upper
58	100		
43	446.1	362.9	402.9#

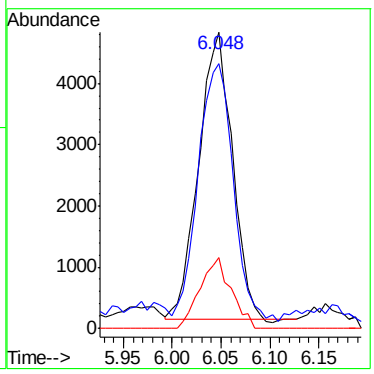


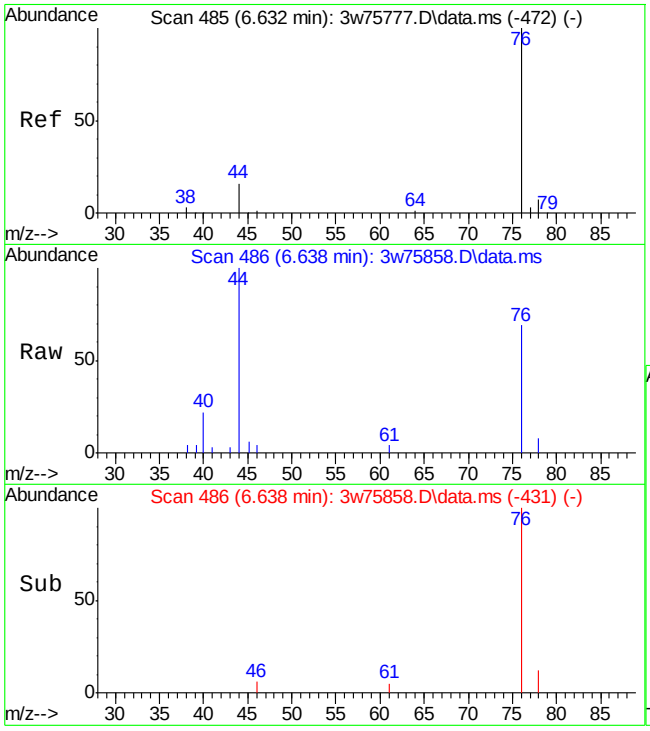


#24
PENTANE
Concen: 0.58 PPBV
RT: 6.048 min Scan# 389
Delta R.T. 0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 42 Resp: 11119

Ion	Ratio	Lower	Upper
42	100		
41	95.5	73.3	113.3
57	22.9	4.4	44.4

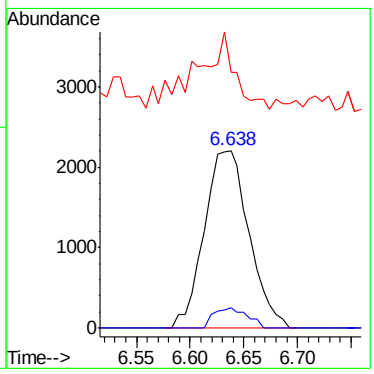


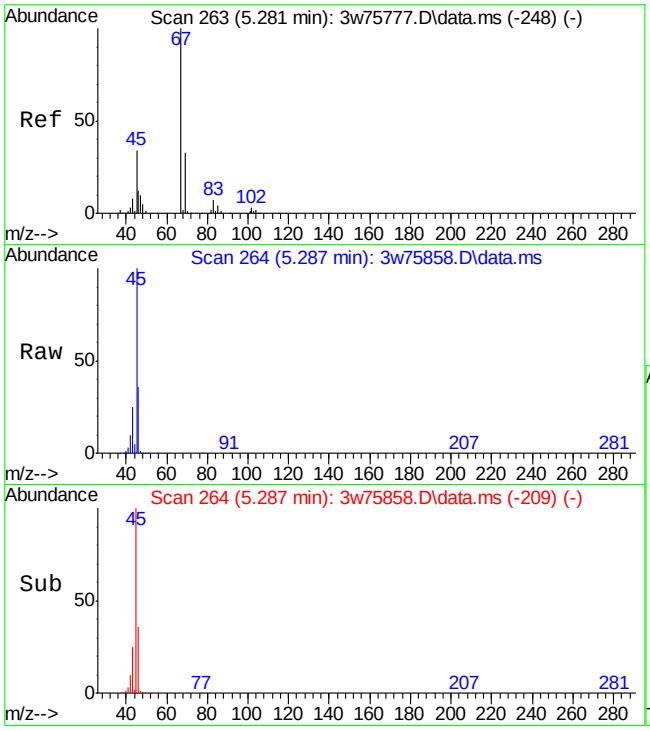


#27
CARBON DISULFIDE
Concen: 0.13 PPBV
RT: 6.638 min Scan# 486
Delta R.T. 0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 76 Resp: 6373

Ion	Ratio	Lower	Upper
76	100		
78	8.4	0.0	29.0
44	0.0	0.0	35.8

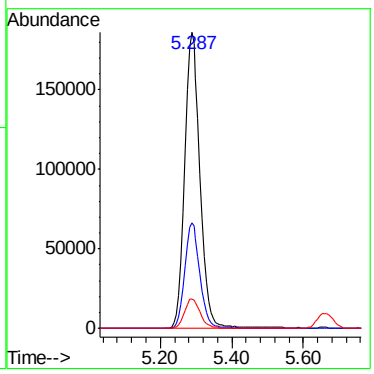


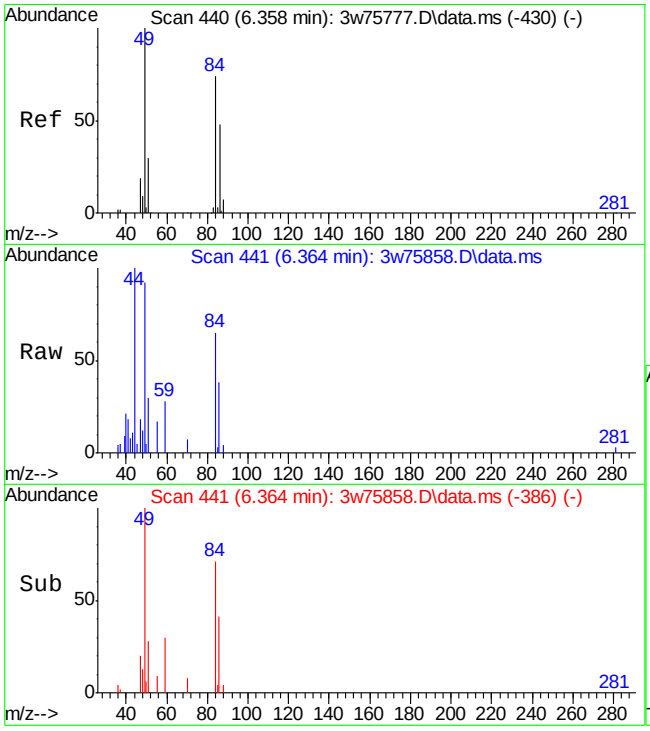


#28
ETHANOL
Concen: 81.59 PPBV
RT: 5.287 min Scan# 264
Delta R.T. 0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 45 Resp: 567225

Ion	Ratio	Lower	Upper
45	100		
46	35.4	14.9	54.9
42	10.5	0.0	30.1

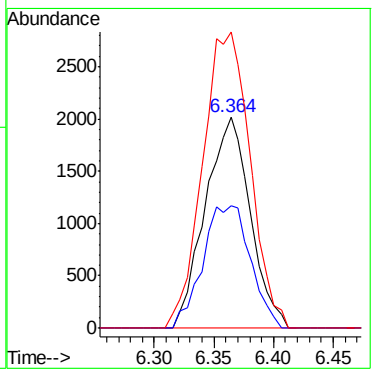


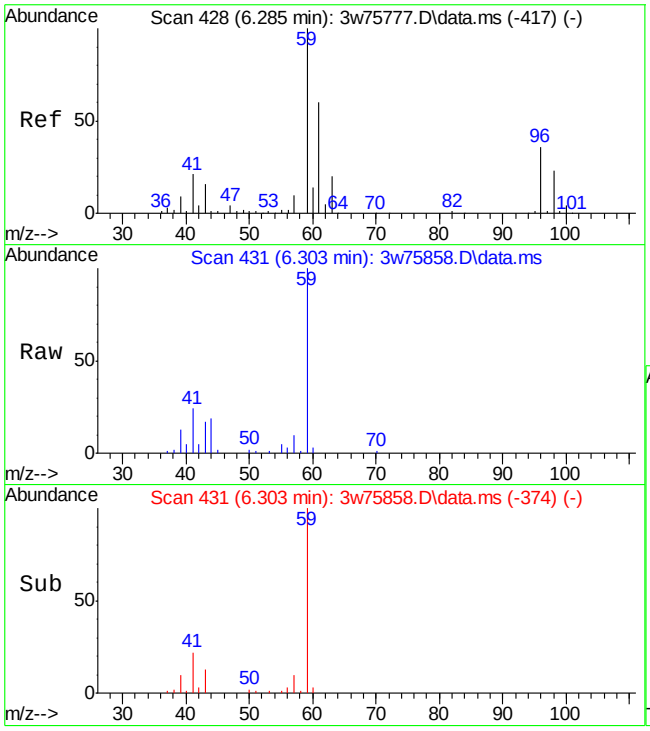


#31
METHYLENE CHLORIDE
Concen: 0.32 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 84 Resp: 5313

Ion	Ratio	Lower	Upper
84	100		
86	61.5	45.6	85.6
49	148.2	0.0	337.9

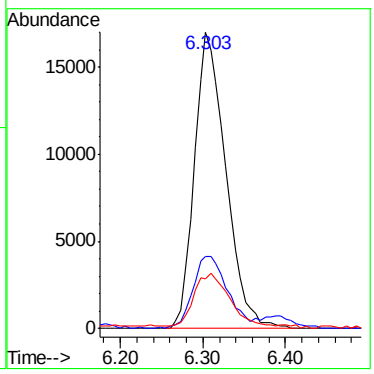


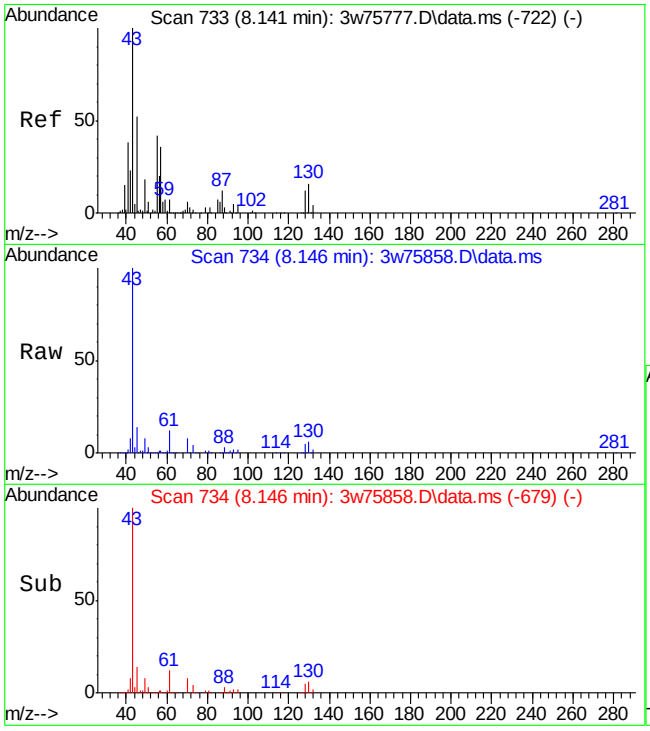


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.30 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 59 Resp: 44812

Ion	Ratio	Lower	Upper
59	100		
41	27.4	2.3	42.3
43	22.6	0.0	35.9

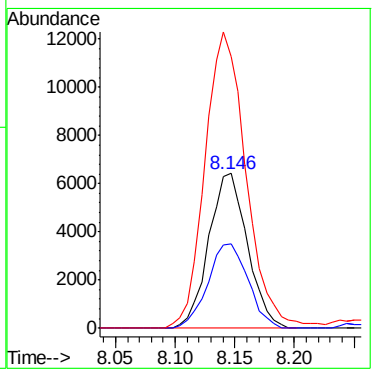


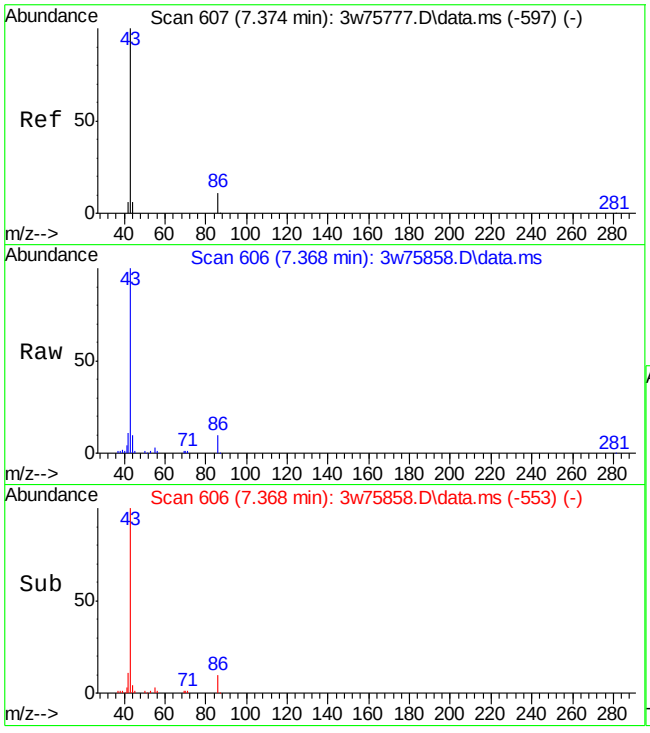


#38
HEXANE
Concen: 0.55 PPBV
RT: 8.146 min Scan# 734
Delta R.T. 0.005 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 57 Resp: 14499

Ion	Ratio	Lower	Upper
57	100		
56	56.5	34.6	74.6
41	204.3	107.4	147.4#

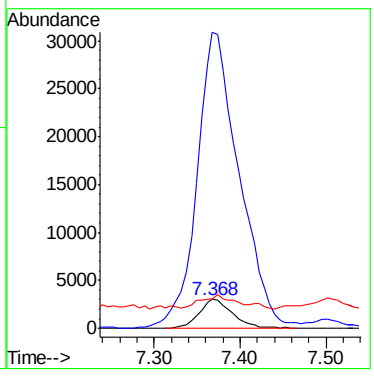


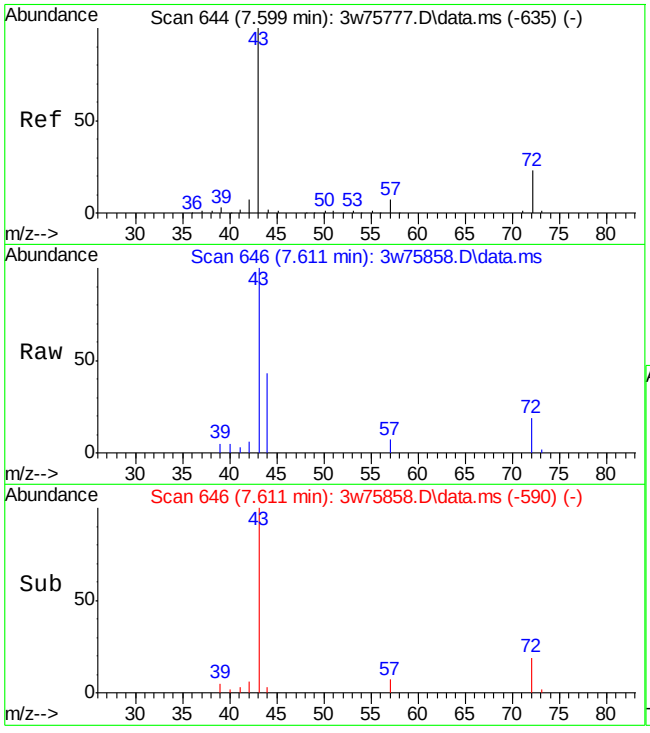


#39
VINYL ACETATE
Concen: 2.77 PPBV
RT: 7.368 min Scan# 606
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 86 Resp: 8130

Ion	Ratio	Lower	Upper
86	100		
43	1302.7	1267.8	1307.8
44	51.8	43.5	83.5

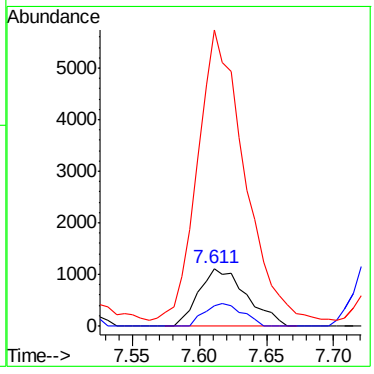


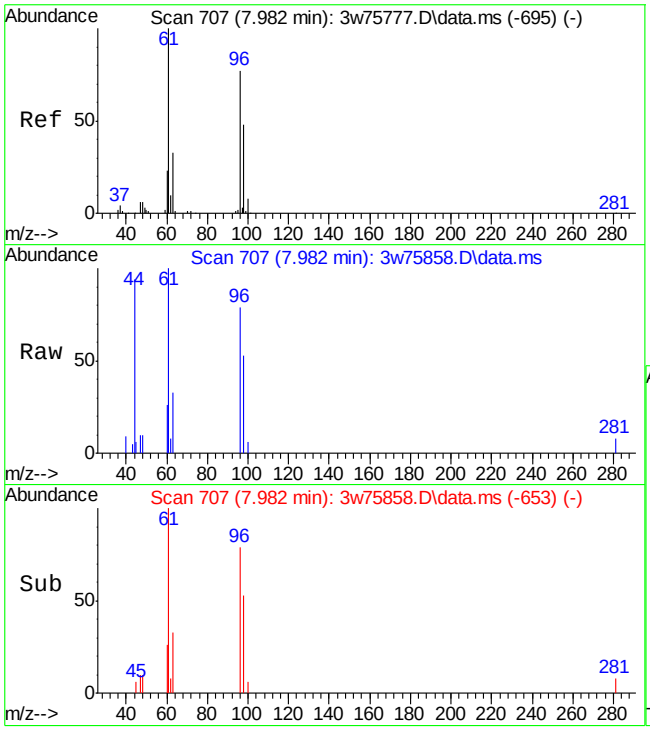


#41
METHYL ETHYL KETONE
Concen: 0.33 PPBV
RT: 7.611 min Scan# 646
Delta R.T. 0.012 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 72 Resp: 2739

Ion	Ratio	Lower	Upper
72	100		
57	35.2	11.7	51.7
43	516.4	409.1	449.1#

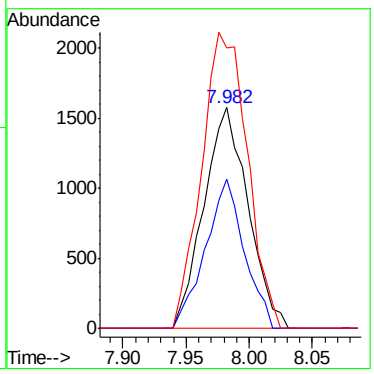


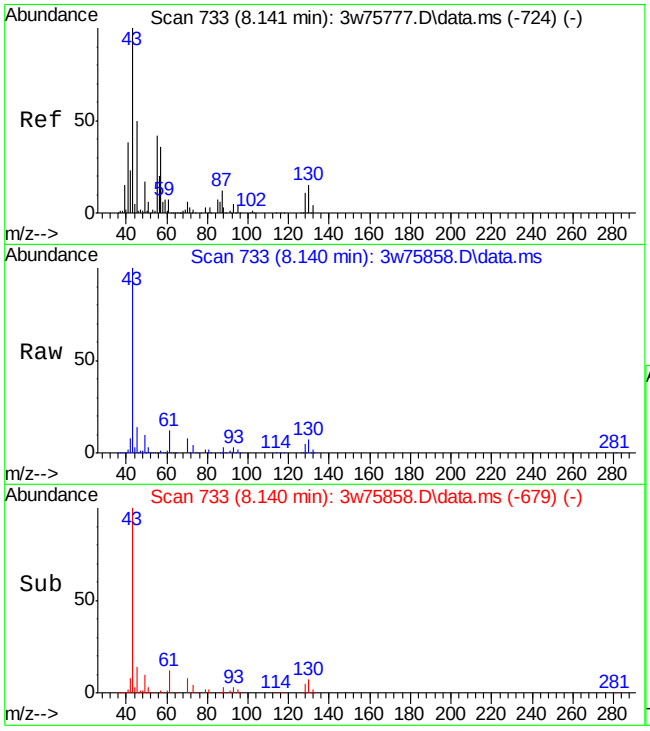


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.21 PPBV
RT: 7.982 min Scan# 707
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 96 Resp: 3842

Ion	Ratio	Lower	Upper
96	100		
98	59.0	43.0	83.0
61	138.3	112.4	152.4

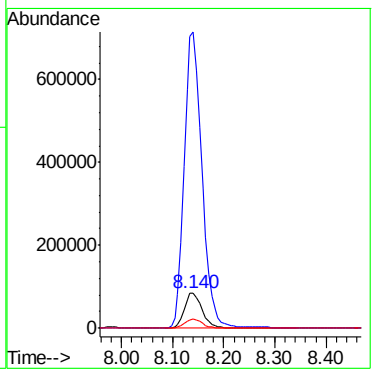


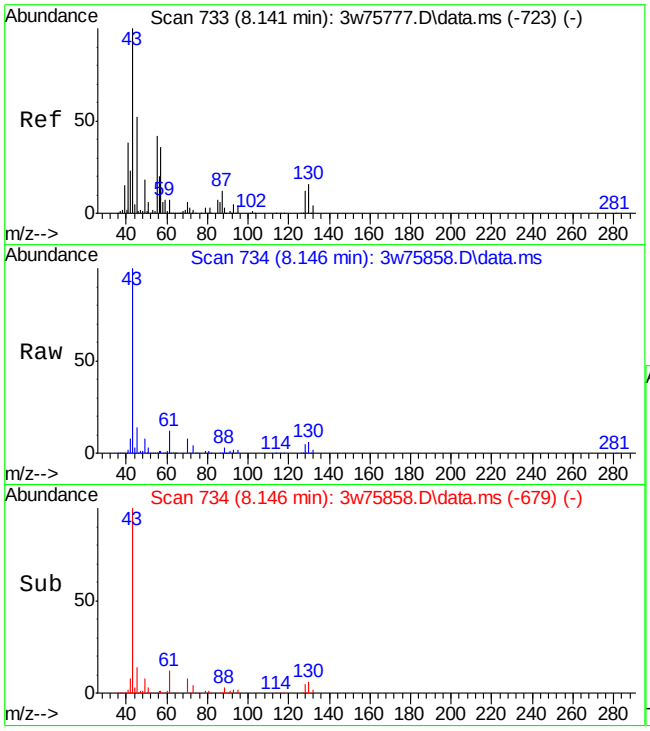


#44
ETHYL ACETATE
Concen: 36.75 PPBV
RT: 8.140 min Scan# 733
Delta R.T. -0.001 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 61 Resp: 202554

Ion	Ratio	Lower	Upper
61	100		
43	852.9	1591.1	1631.1#
88	25.4	23.8	63.8

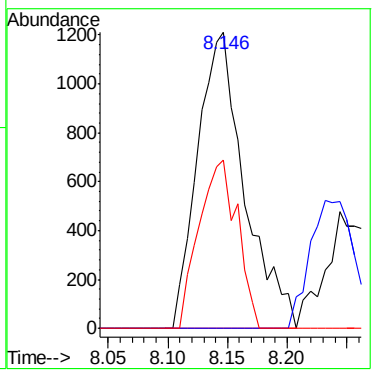


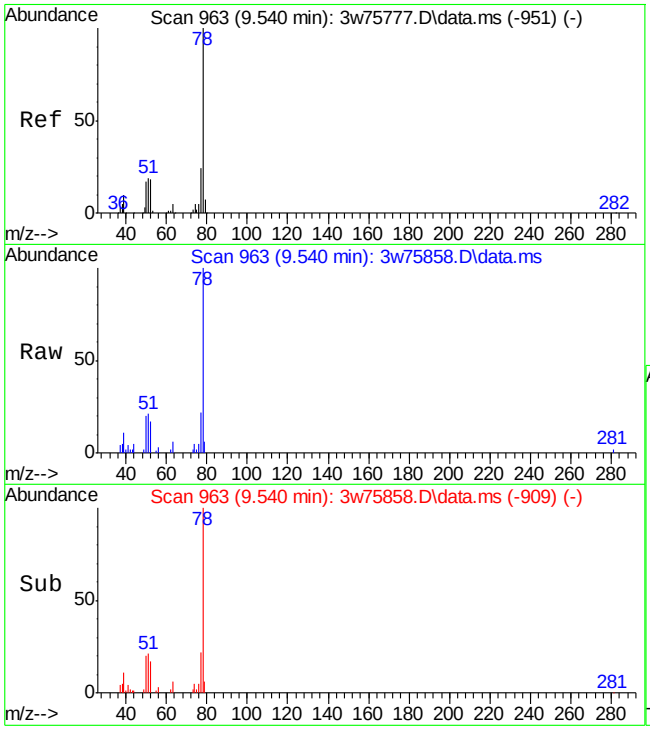


#45
METHYL ACRYLATE
Concen: 0.10 PPBV
RT: 8.146 min Scan# 734
Delta R.T. 0.005 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 55 Resp: 3320

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9#
58	46.7	11.2	16.8#

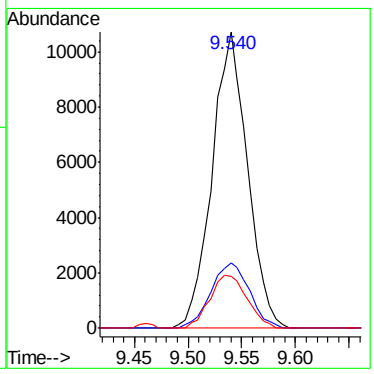


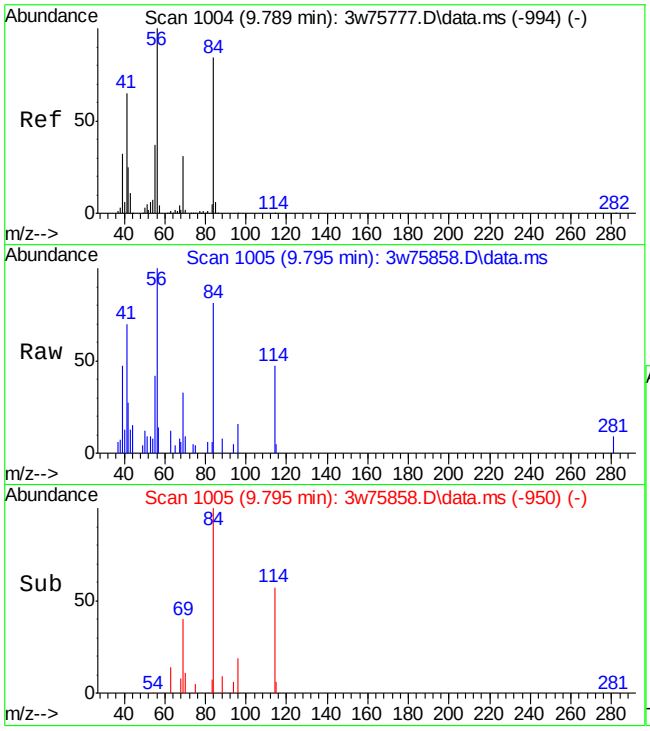


#52
BENZENE
Concen: 0.46 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 78 Resp: 24493

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.4	43.4
52	18.7	0.0	37.0

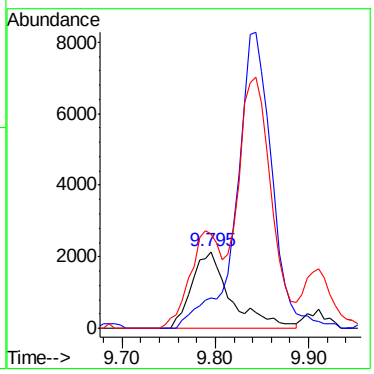


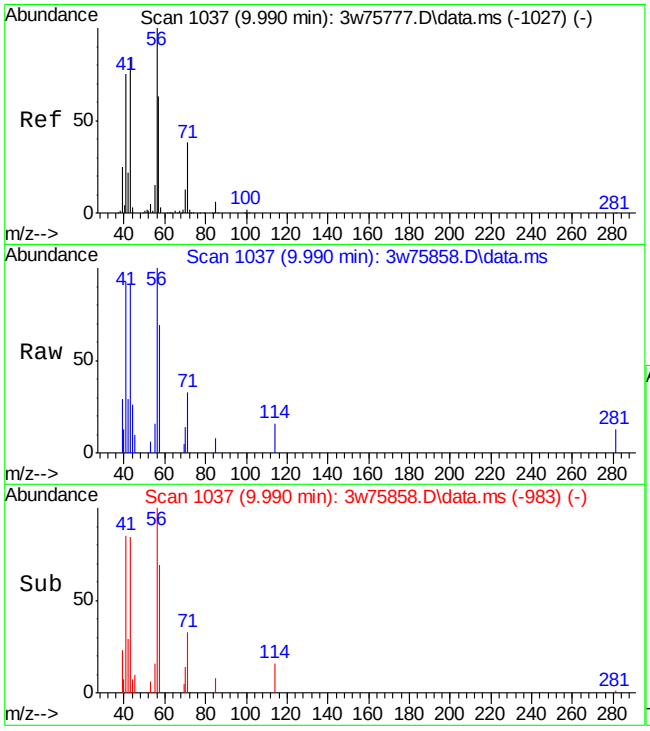


#53
CYCLOHEXANE
Concen: 0.26 PPBV
RT: 9.795 min Scan# 1005
Delta R.T. 0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 84 Resp: 6224

Ion	Ratio	Lower	Upper
84	100		
69	0.0	24.9	64.9#
56	98.8	103.9	143.9#

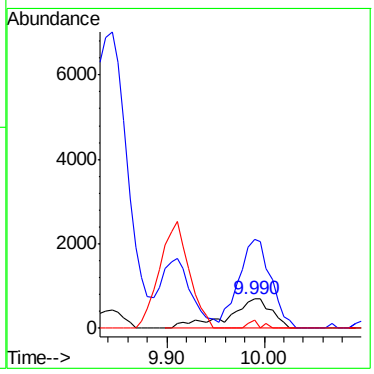


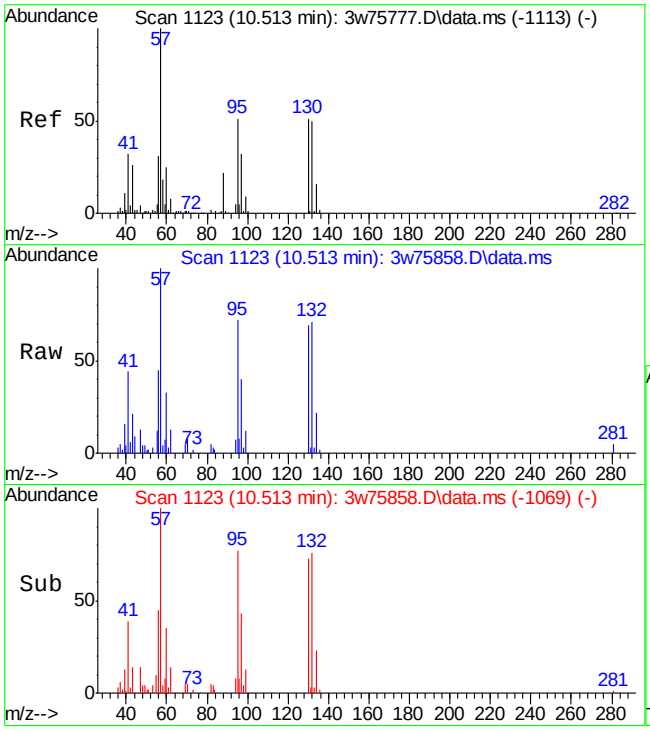


#54
2,3-DIMETHYLPENTANE
Concen: 0.19 PPBV
RT: 9.990 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 71 Resp: 2116

Ion	Ratio	Lower	Upper
71	100		
56	226.9	247.2	287.2#
85	6.9	0.0	37.1

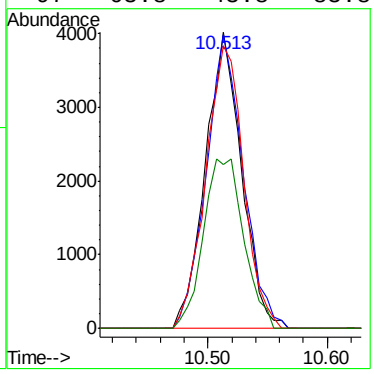


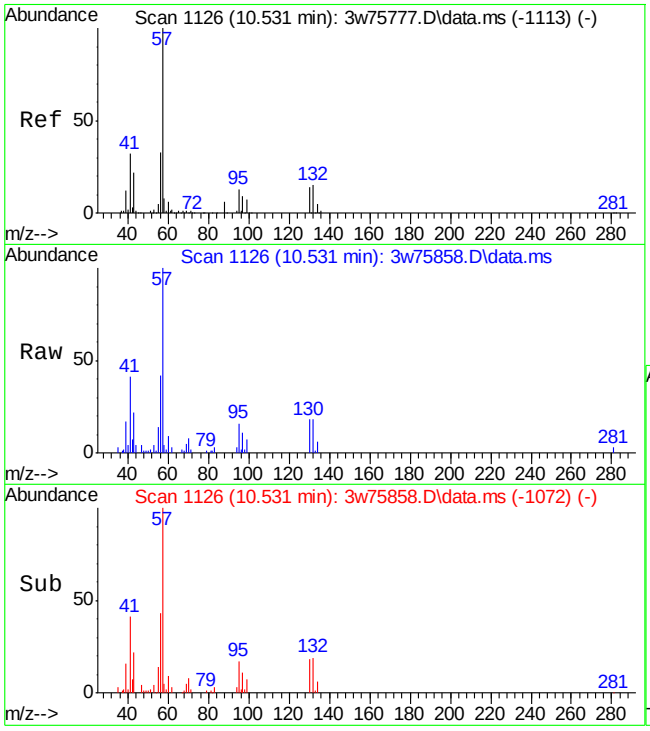


#55
TRICHLOROETHYLENE
Concen: 0.33 PPBV
RT: 10.513 min Scan# 1123
Delta R.T. -0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 95 Resp: 8501

Ion	Ratio	Lower	Upper
95	100		
132	101.6	78.7	118.7
130	99.7	80.9	120.9
97	63.8	43.8	83.8

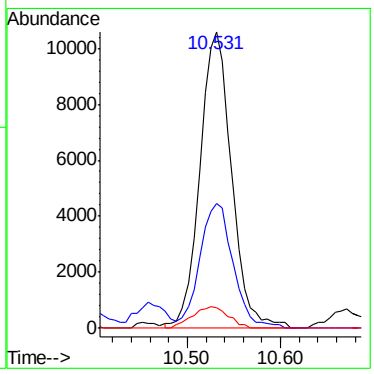


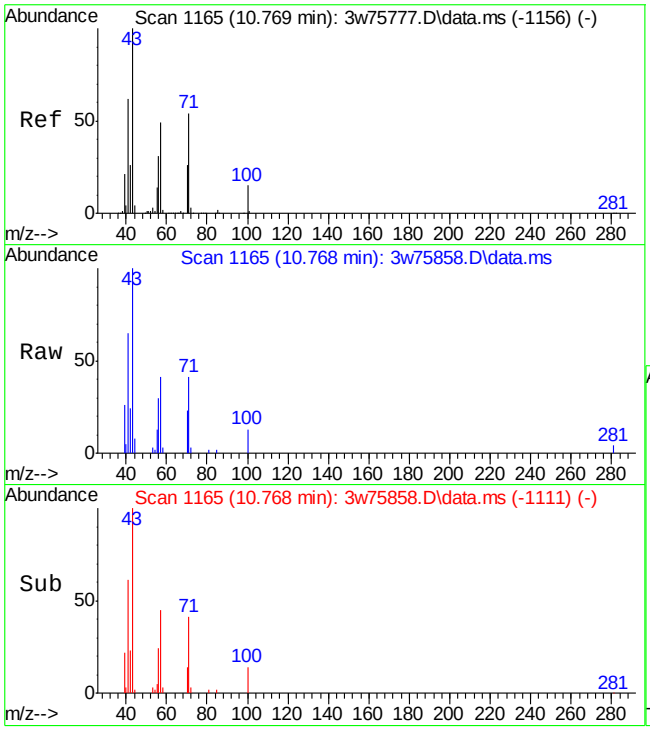


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.30 PPBV
RT: 10.531 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 57 Resp: 25114

Ion	Ratio	Lower	Upper
57	100		
56	44.2	12.3	52.3
99	8.1	0.0	28.2

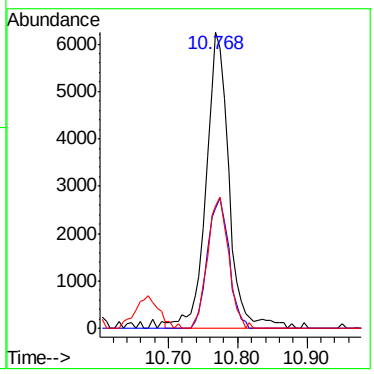


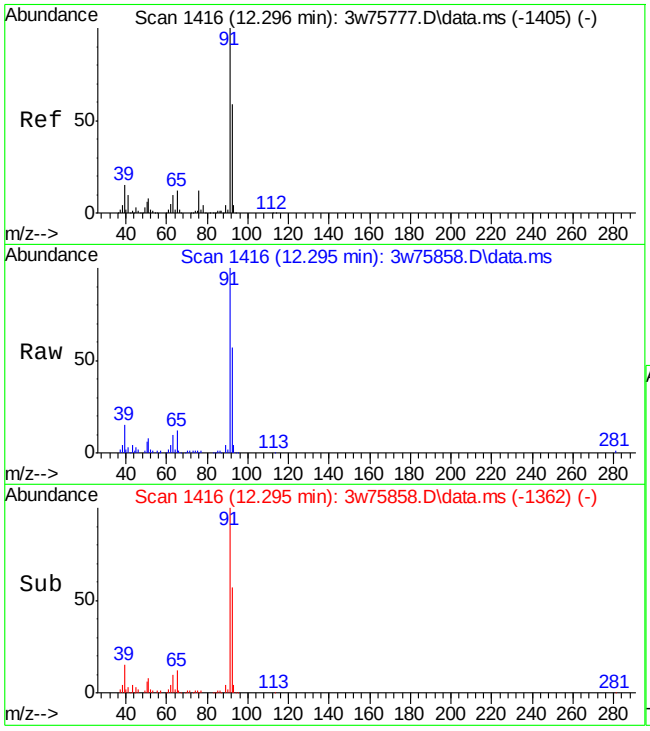


#62
HEPTANE
Concen: 0.44 PPBV
RT: 10.768 min Scan# 1165
Delta R.T. -0.001 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 43 Resp: 14321

Ion	Ratio	Lower	Upper
43	100		
71	41.5	34.1	74.1
57	40.9	29.5	69.5

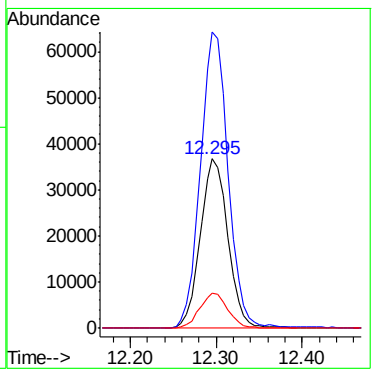


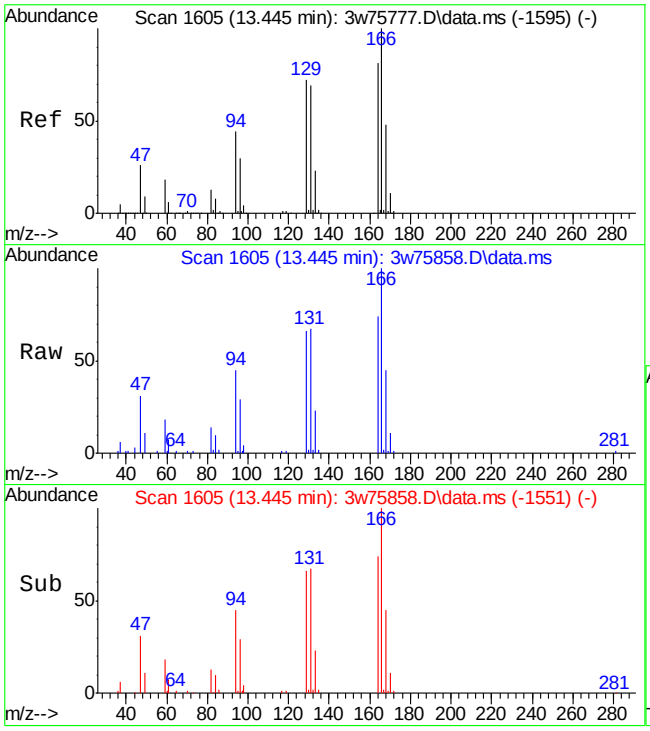


#66
TOLUENE
Concen: 2.16 PPBV
RT: 12.295 min Scan# 1416
Delta R.T. -0.001 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 92 Resp: 81706

Ion	Ratio	Lower	Upper
92	100		
91	175.9	150.3	190.3
65	20.7	2.5	42.5

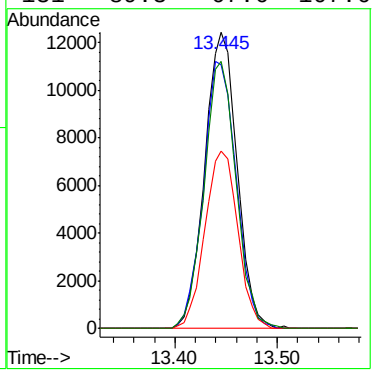


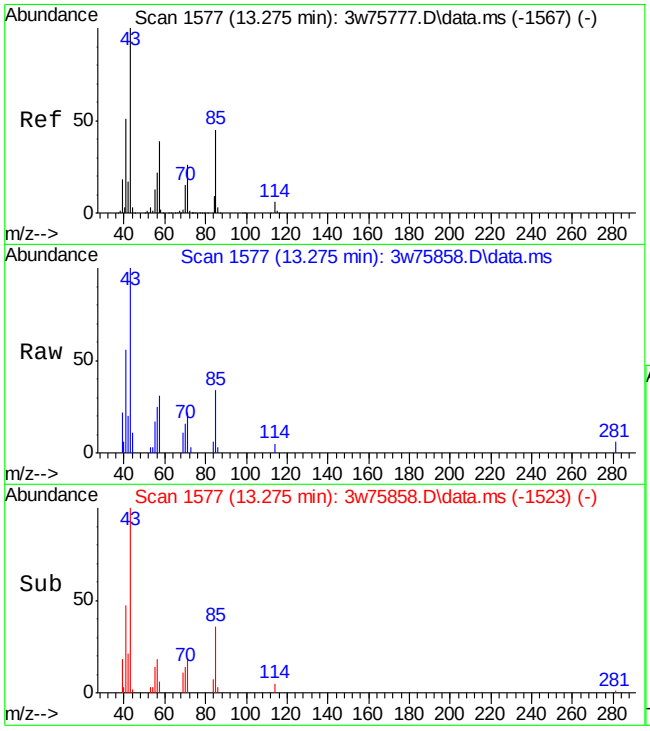


#73
TETRACHLOROETHYLENE
Concen: 0.90 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:164 Resp: 27401

Ion	Ratio	Lower	Upper
164	100		
129	91.4	69.5	109.5
168	61.0	40.9	80.9
131	89.3	67.6	107.6

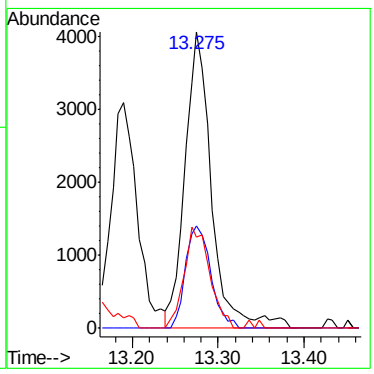


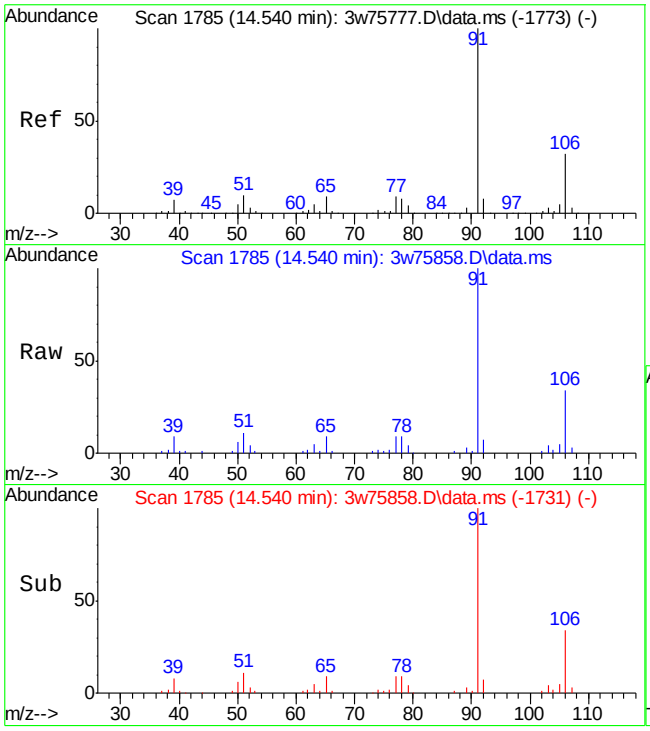


#76
OCTANE
Concen: 0.20 PPBV
RT: 13.275 min Scan# 1577
Delta R.T. -0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 43 Resp: 8677

Ion	Ratio	Lower	Upper
43	100		
85	33.0	24.9	64.9
57	33.0	18.0	58.0

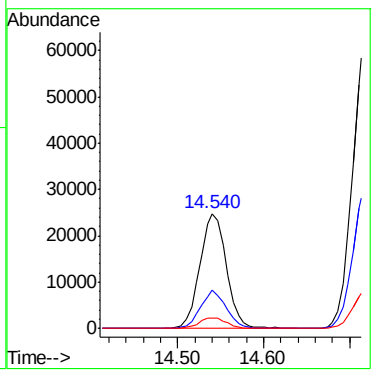


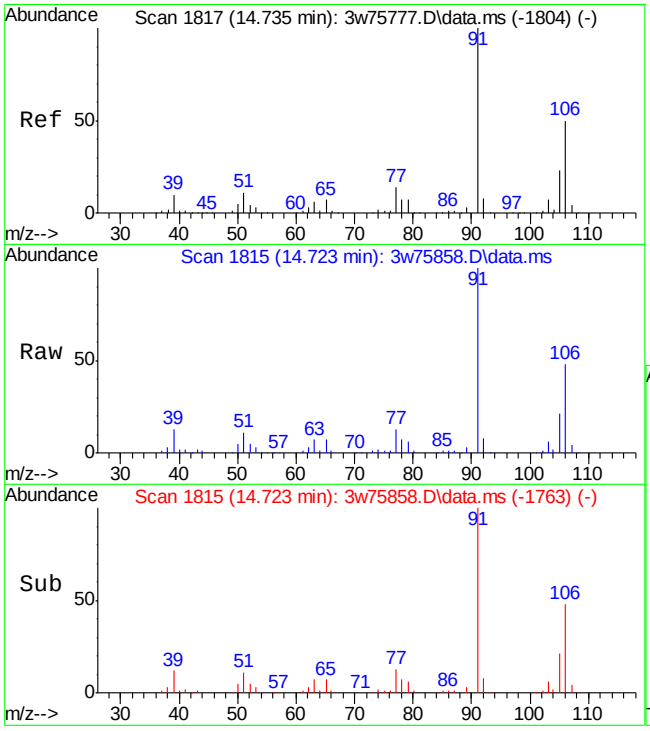


#79
ETHYLBENZENE
Concen: 0.62 PPBV
RT: 14.540 min Scan# 1785
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 91 Resp: 52960

Ion	Ratio	Lower	Upper
91	100		
106	31.5	11.8	51.8
77	9.3	0.0	28.7

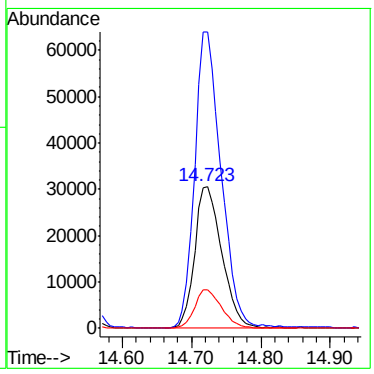


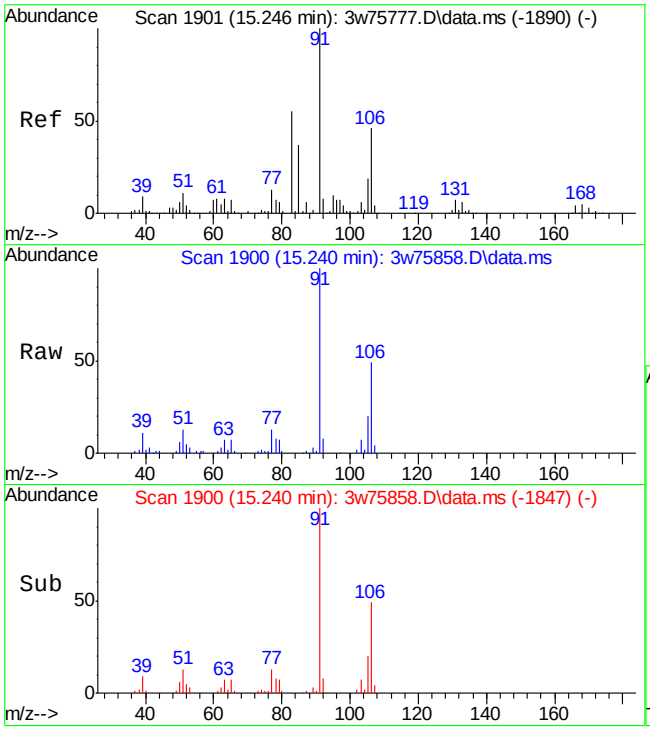


#80
m,p-XYLENE
Concen: 2.63 PPBV
RT: 14.723 min Scan# 1815
Delta R.T. -0.012 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:106 Resp: 83354

Ion	Ratio	Lower	Upper
106	100		
91	209.1	181.0	221.0
77	26.8	7.1	47.1

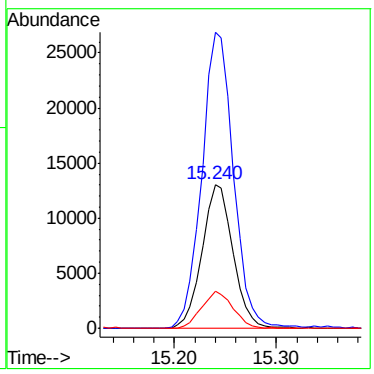


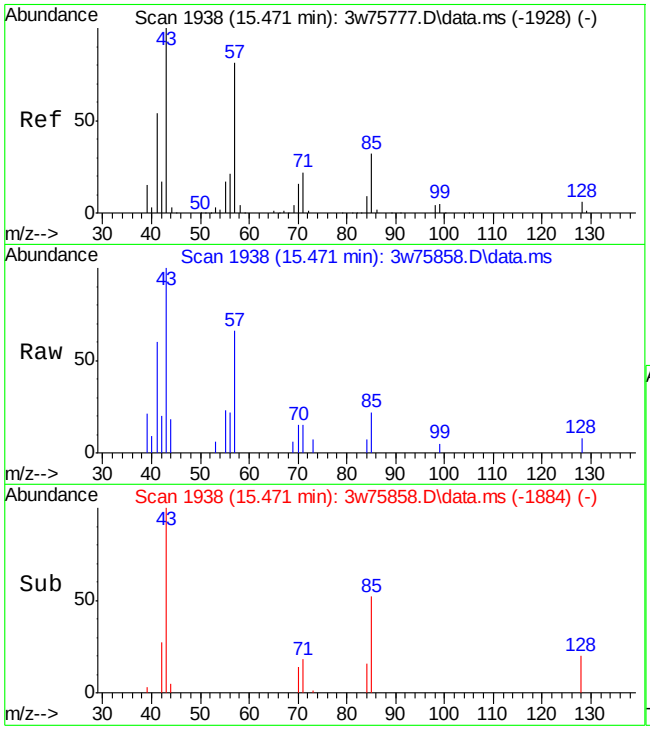


#81
o-XYLENE
Concen: 0.88 PPBV
RT: 15.240 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:106 Resp: 27488

Ion	Ratio	Lower	Upper
106	100		
91	211.8	195.6	235.6
77	26.2	7.0	47.0

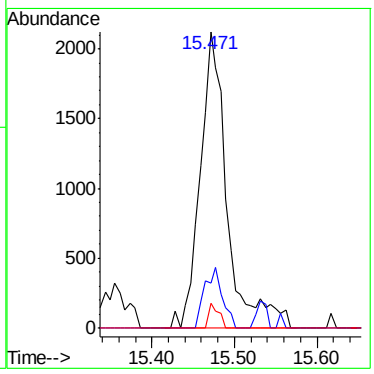


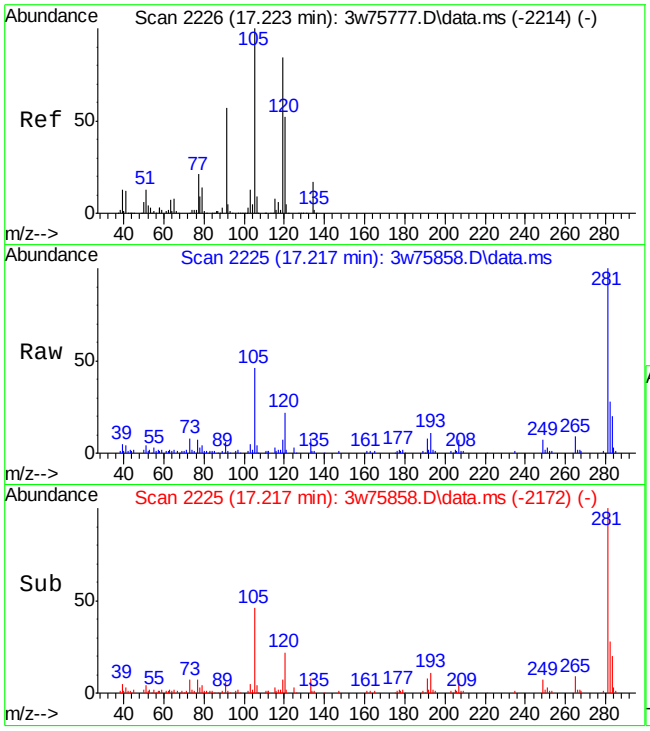


#83
NONANE
Concen: 0.11 PPBV
RT: 15.471 min Scan# 1938
Delta R.T. 0.000 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion: 43 Resp: 4774

Ion	Ratio	Lower	Upper
43	100		
71	13.6	2.4	42.4
128	3.1	0.0	25.9

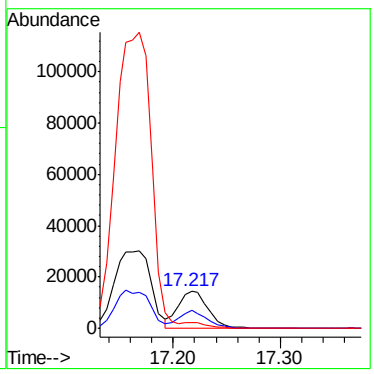


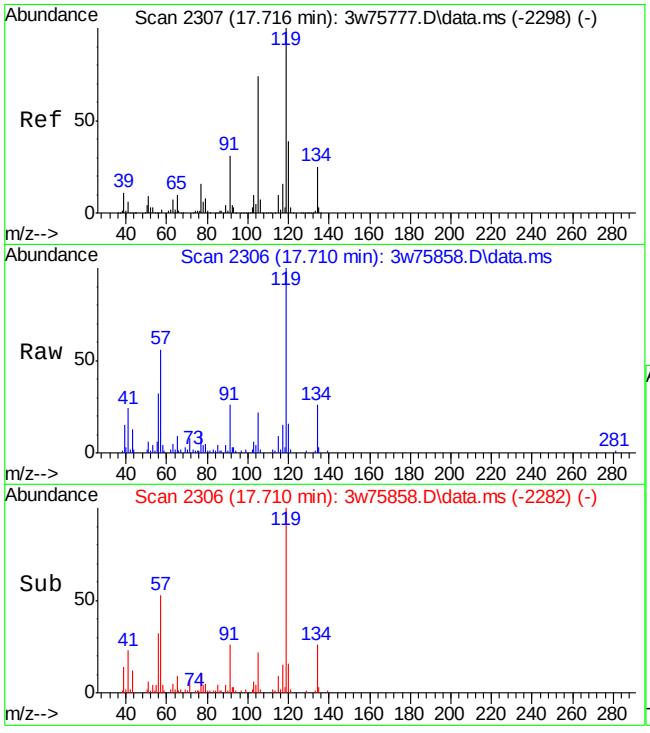


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.39 PPBV
RT: 17.217 min Scan# 2225
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:105 Resp: 28496

Ion	Ratio	Lower	Upper
105	100		
120	45.0	35.1	75.1
119	0.0	92.4	132.4#

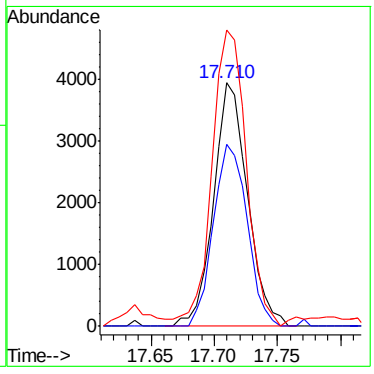


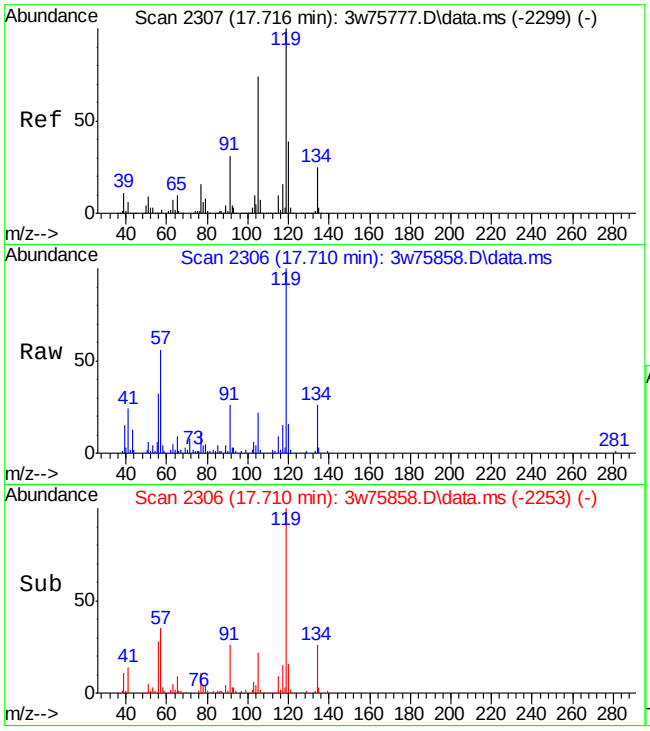


#101
1,2,3-Trimethylbenzene
Concen: 0.10 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:105 Resp: 7311

Ion	Ratio	Lower	Upper
105	100		
120	74.4	31.8	71.8#
91	123.7	19.7	59.7#

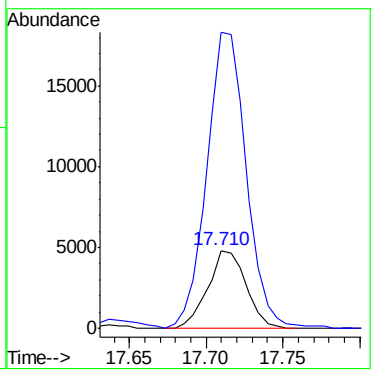




#102
p-ISOPROPYLTOLUENE
Concen: 0.34 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75858.D
Acq: 27 Apr 2022 12:50 am

Tgt Ion:134 Resp: 8314

Ion	Ratio	Lower	Upper
134	100		
119	396.3	0.0	23.9#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 14:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75859.D
Acq On : 27 Apr 2022 1:31 am
Operator : thomash
Sample : jd42150-12
Misc : MS57846,V3W2984,148,,,,1.48
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 13:26:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

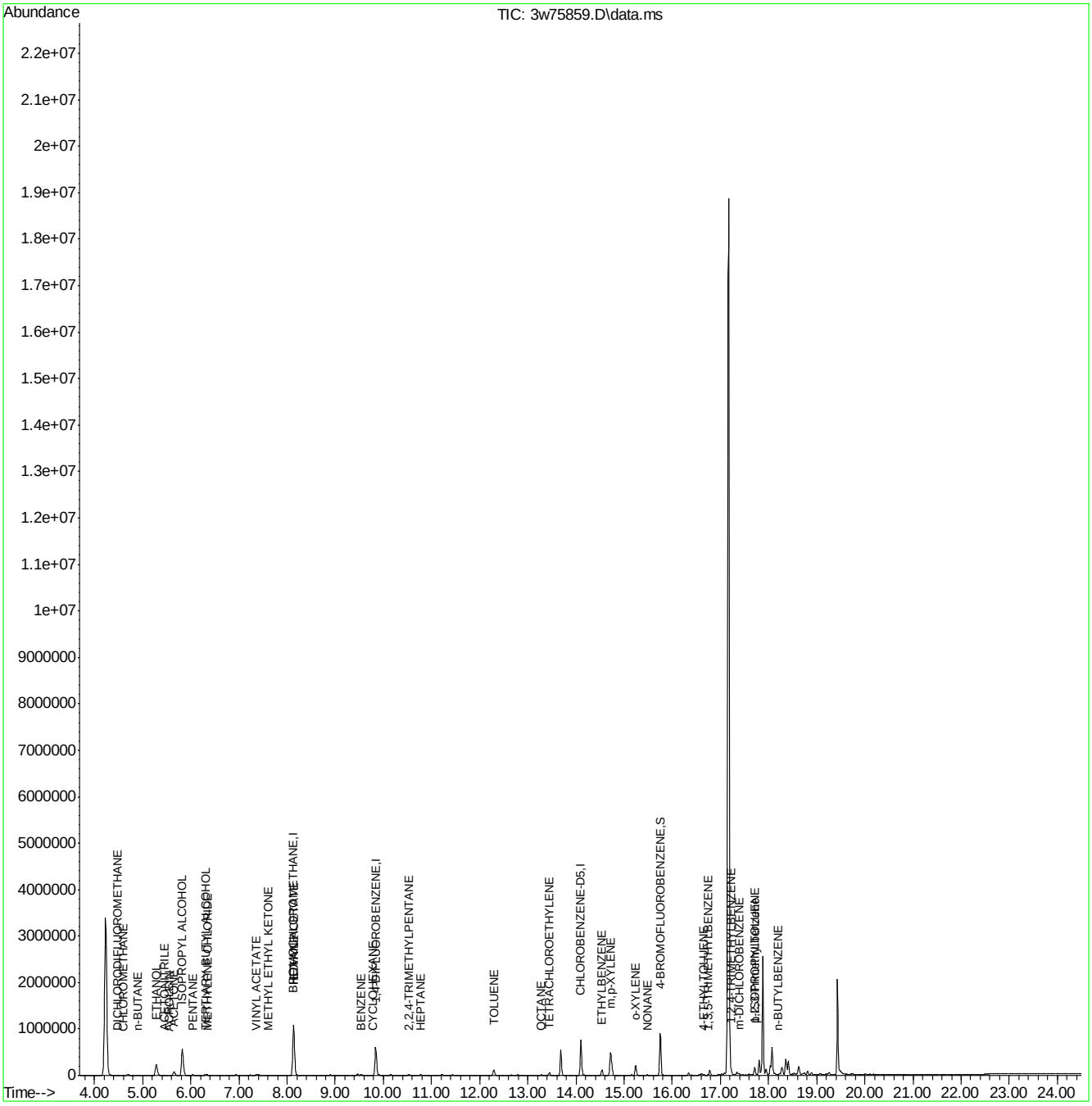
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.122	128	114989	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	591074	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	294025	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	355581	11.38	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.80%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.472	85	5895	0.11	PPBV		95
10) CHLOROMETHANE	4.594	52	869	0.20	PPBV	#	71
13) n-BUTANE	4.898	43	9591	0.43	PPBV	#	93
17) ACETONITRILE	5.452	41	2715	0.33	PPBV	#	76
18) ACROLEIN	5.549	56	908m	0.18	PPBV		
22) ISOPROPYL ALCOHOL	5.823	45	981527	30.86	PPBV		99
23) ACETONE	5.646	58	33644	4.33	PPBV		92
24) PENTANE	6.042	42	6299	0.36	PPBV		92
28) ETHANOL	5.281	45	391795	61.56	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	4314	0.28	PPBV		88
35) TERTIARY BUTYL ALCOHOL	6.303	59	32845	1.04	PPBV		82
38) HEXANE	8.141	57	8100	0.34	PPBV	#	26
39) VINYL ACETATE	7.362	86	3842	1.43	PPBV	#	73
41) METHYL ETHYL KETONE	7.617	72	2760	0.36	PPBV	#	79
44) ETHYL ACETATE	8.134	61	144238	28.58	PPBV	#	1
52) BENZENE	9.540	78	15176	0.31	PPBV		98
53) CYCLOHEXANE	9.789	84	4085	0.18	PPBV	#	64
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	16495	0.21	PPBV		86
62) HEPTANE	10.769	43	9094	0.30	PPBV		83
66) TOLUENE	12.296	92	59380	1.69	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	17259	0.62	PPBV		98
76) OCTANE	13.275	43	7828	0.20	PPBV		86
79) ETHYLBENZENE	14.540	91	112489	1.45	PPBV		99
80) m,p-XYLENE	14.723	106	221828	7.66	PPBV		100
81) o-XYLENE	15.240	106	75446	2.66	PPBV		100
83) NONANE	15.477	43	5906	0.15	PPBV		89
92) 4-ETHYLTOLUENE	16.651	105	8543	0.11	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	7832	0.11	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	40489	0.61	PPBV	#	25
97) m-DICHLOROBENZENE	17.394	146	6302	0.15	PPBV		93
101) 1,2,3-Trimethylbenzene	17.710	105	11059	0.16	PPBV	#	1
102) p-ISOPROPYLTOLUENE	17.710	134	16170	0.73	PPBV	#	1
104) n-BUTYLBENZENE	18.191	134	2348m	0.12	PPBV		

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

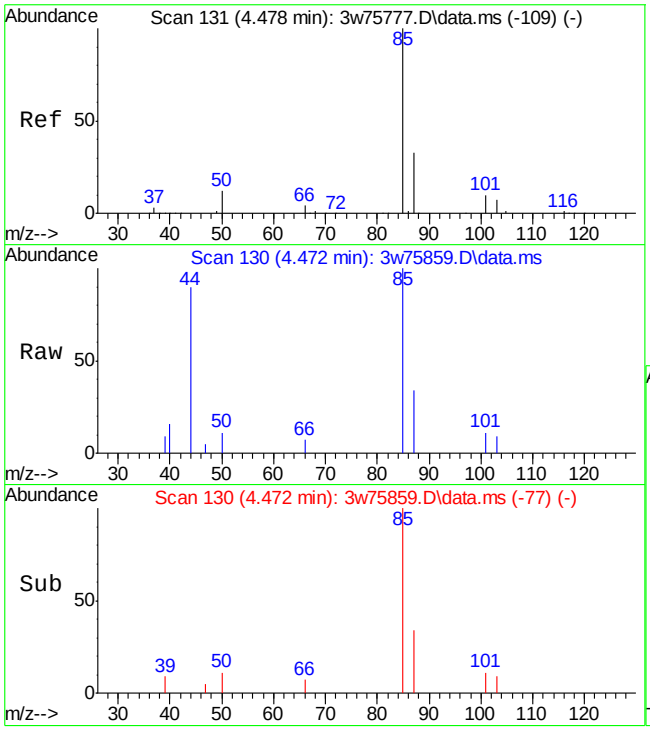
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75859.D
Acq On : 27 Apr 2022 1:31 am
Operator : thomash
Sample : jd42150-12
Misc : MS57846,V3W2984,148,,,,1.48
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 13:26:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



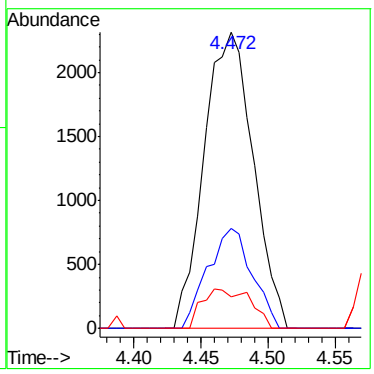
M3W2981.M Fri Apr 29 13:32:38 2022 Page: 2

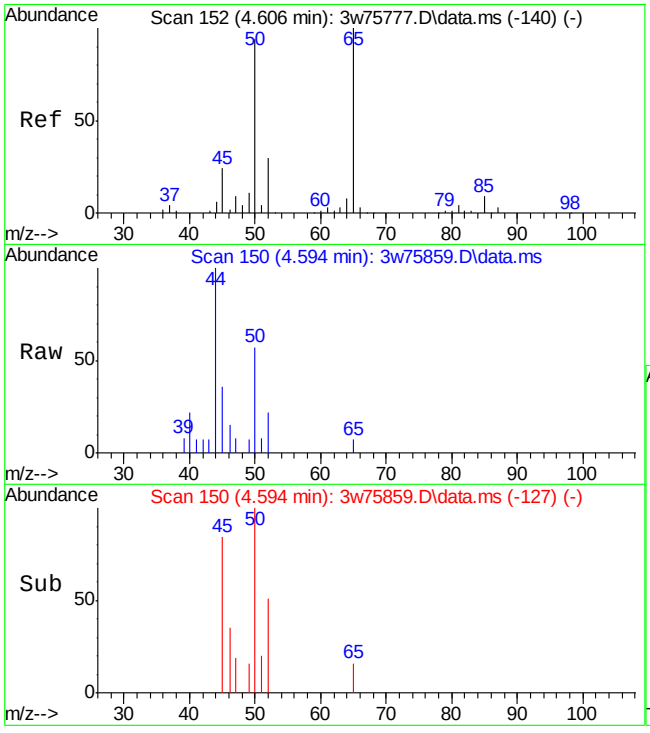


#6
DICHLORODIFLUOROMETHANE
Concen: 0.11 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 85 Resp: 5895

Ion	Ratio	Lower	Upper
85	100		
87	30.4	12.5	52.5
50	13.0	0.0	30.4

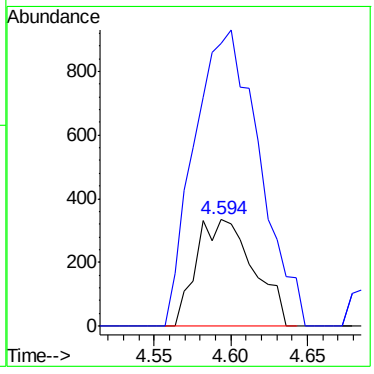


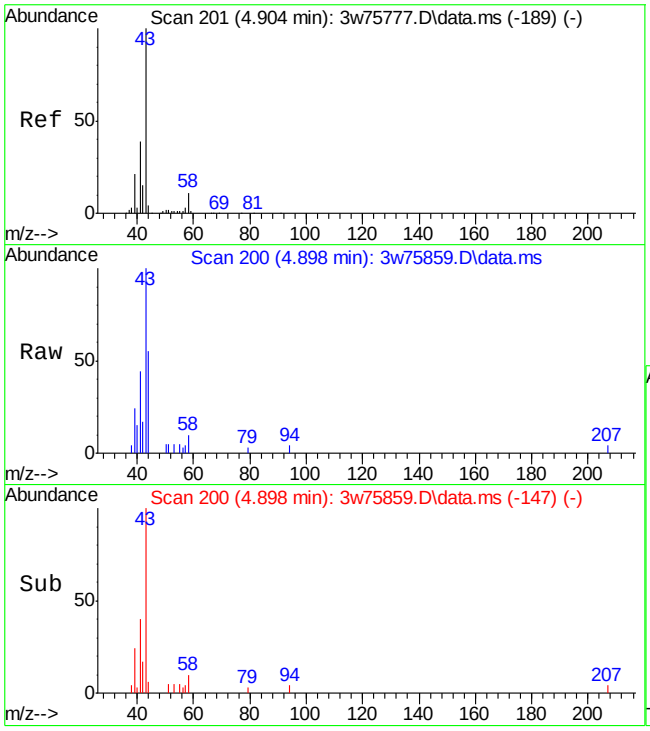


#10
CHLOROMETHANE
Concen: 0.20 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 52 Resp: 869

Ion	Ratio	Lower	Upper
52	100		
50	241.2	276.8	316.8#

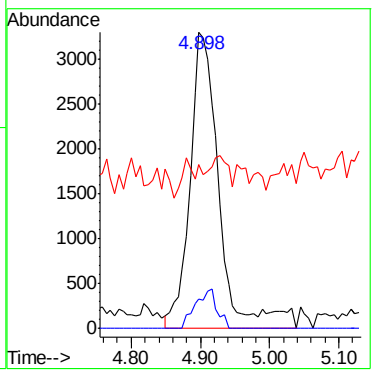


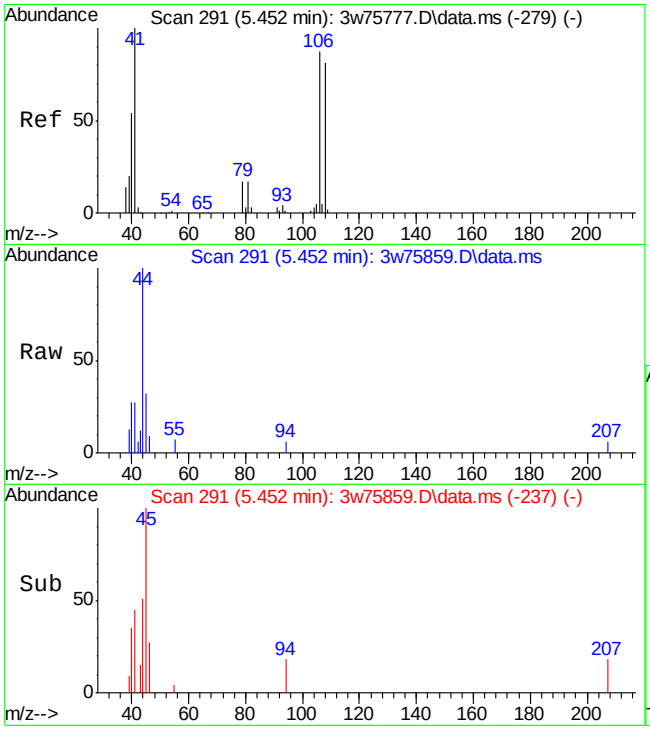


#13
n-BUTANE
Concen: 0.43 PPBV
RT: 4.898 min Scan# 200
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 9591

Ion	Ratio	Lower	Upper
43	100		
58	9.8	0.0	31.2
44	0.0	0.0	24.6

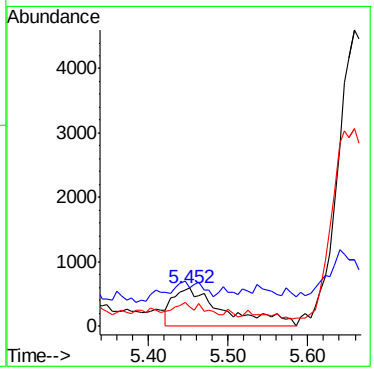


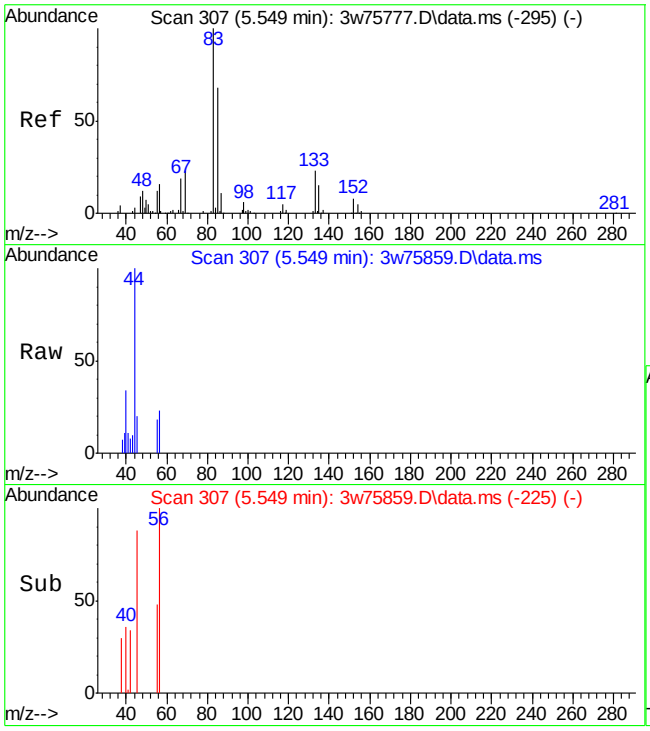


#17
ACETONITRILE
Concen: 0.33 PPBV
RT: 5.452 min Scan# 291
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 41 Resp: 2715

Ion	Ratio	Lower	Upper
41	100		
40	43.5	44.3	66.5#
39	0.0	16.2	24.4#

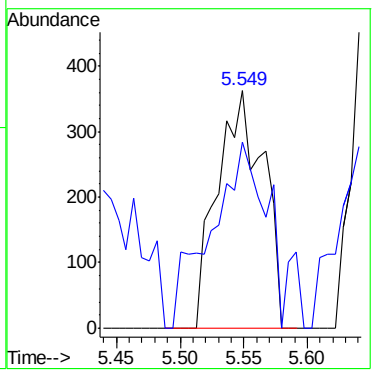


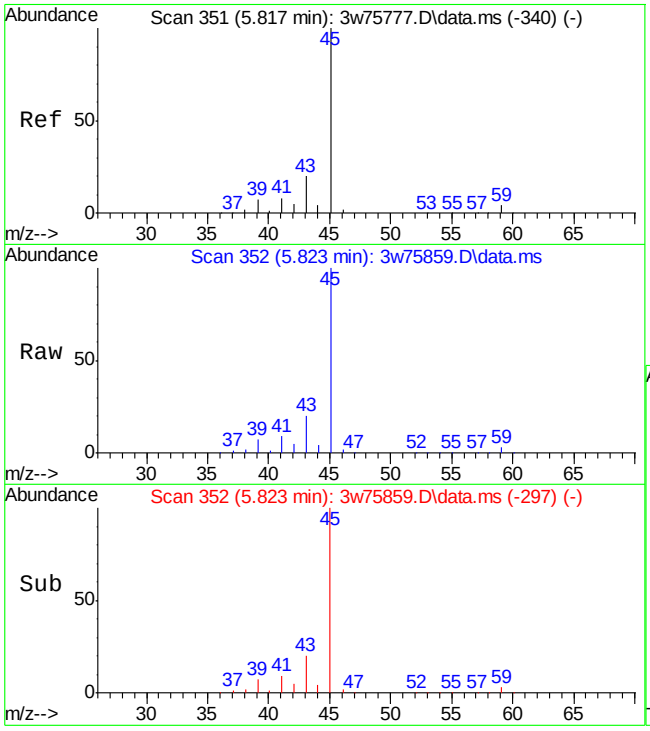


#18
ACROLEIN
Concen: 0.18 PPBV m
RT: 5.549 min Scan# 307
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 56 Resp: 908

Ion	Ratio	Lower	Upper
56	100		
55	175.4	55.0	82.6#

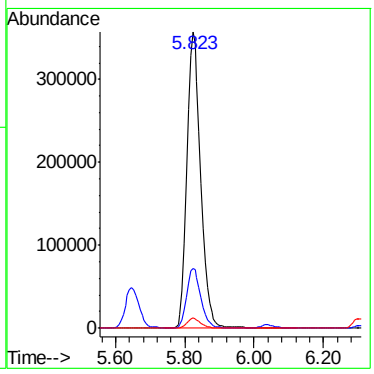


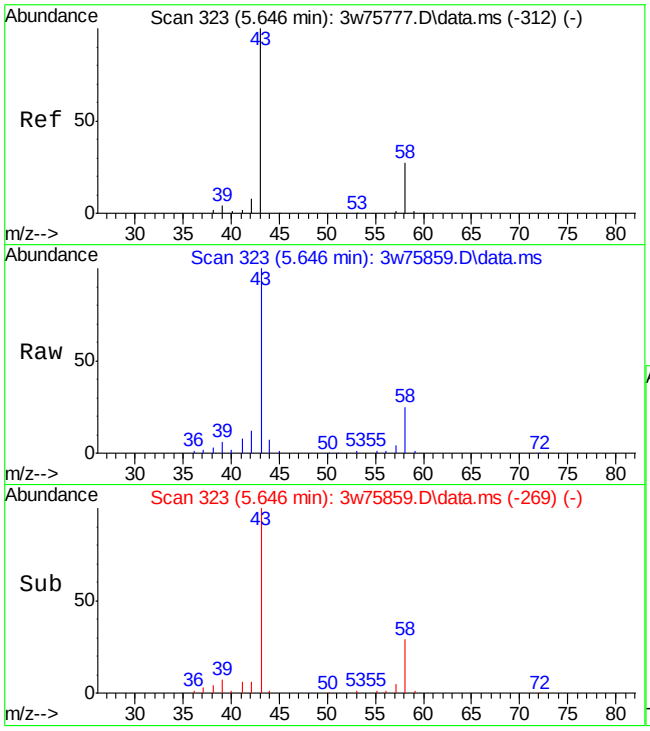


#22
ISOPROPYL ALCOHOL
Concen: 30.86 PPBV
RT: 5.823 min Scan# 352
Delta R.T. 0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 45 Resp: 981527

Ion	Ratio	Lower	Upper
45	100		
43	20.3	0.7	40.7
59	3.4	0.0	23.6

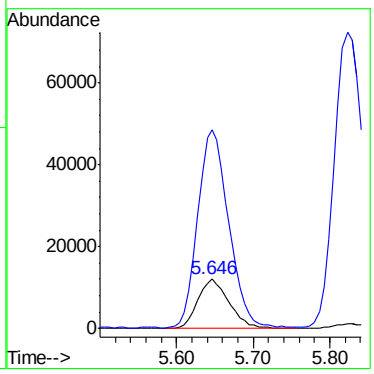


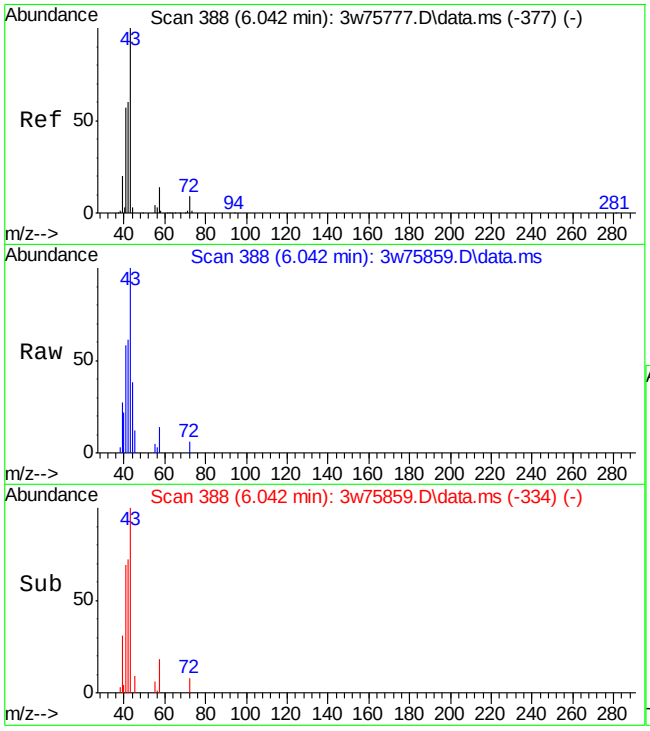


#23
ACETONE
Concen: 4.33 PPBV
RT: 5.646 min Scan# 323
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 58 Resp: 33644

Ion	Ratio	Lower	Upper
58	100		
43	402.2	362.9	402.9

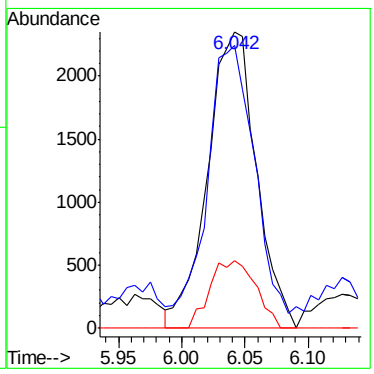


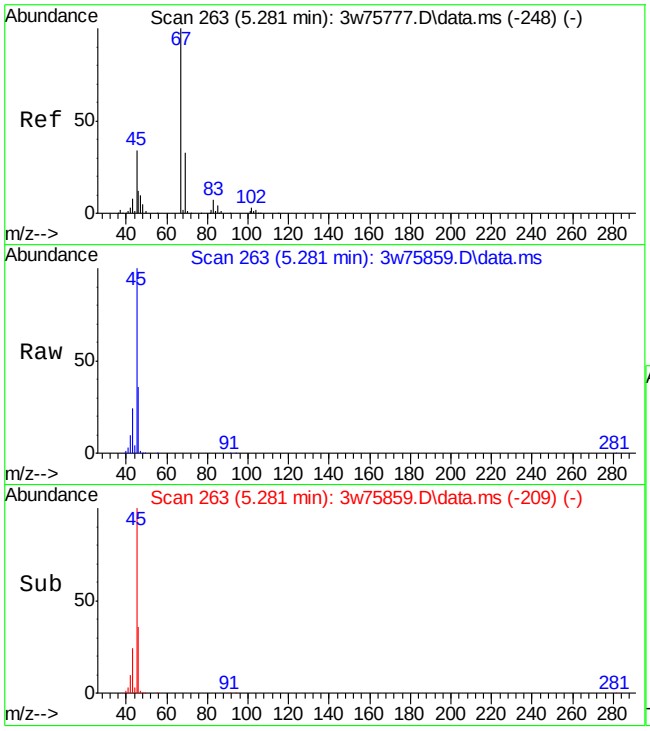


#24
PENTANE
Concen: 0.36 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 42 Resp: 6299

Ion	Ratio	Lower	Upper
42	100		
41	85.1	73.3	113.3
57	21.4	4.4	44.4

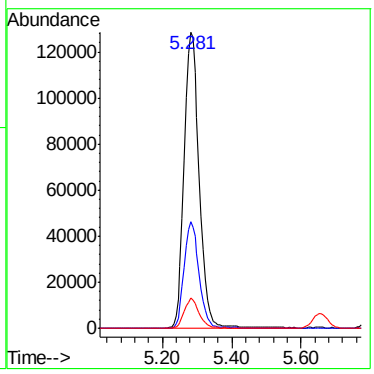


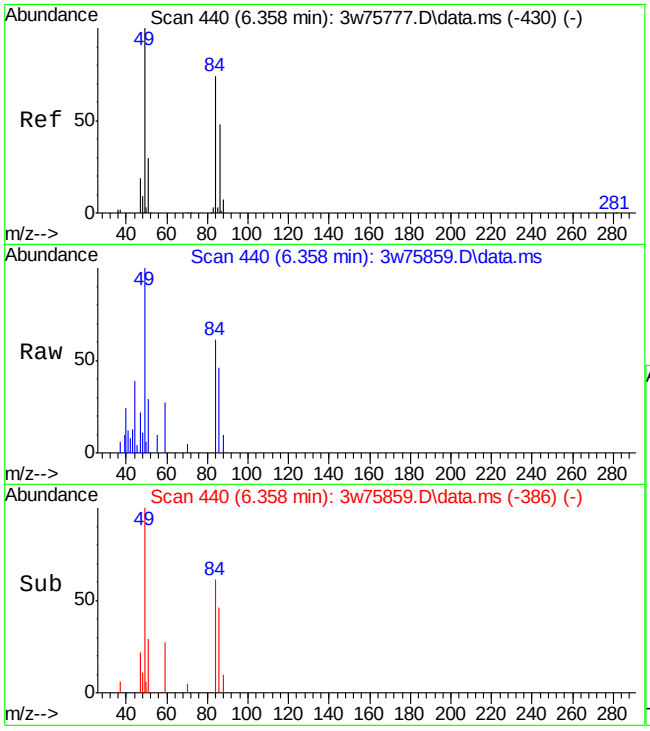


#28
ETHANOL
Concen: 61.56 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 45 Resp: 391795

Ion	Ratio	Lower	Upper
45	100		
46	35.7	14.9	54.9
42	10.5	0.0	30.1

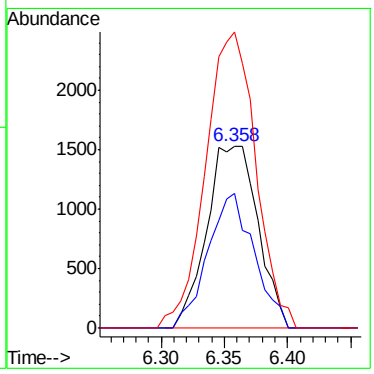


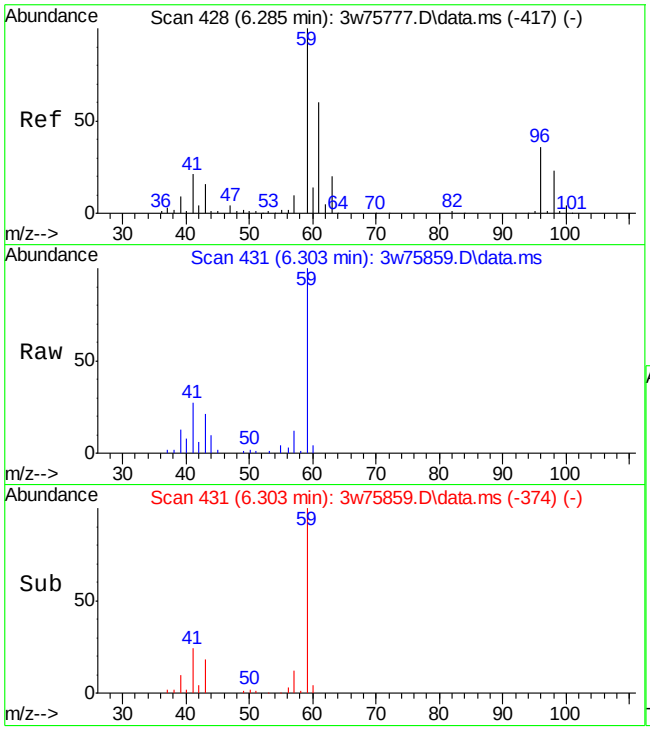


#31
METHYLENE CHLORIDE
Concen: 0.28 PPBV
RT: 6.358 min Scan# 440
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 84 Resp: 4314

Ion	Ratio	Lower	Upper
84	100		
86	66.7	45.6	85.6
49	159.2	0.0	337.9

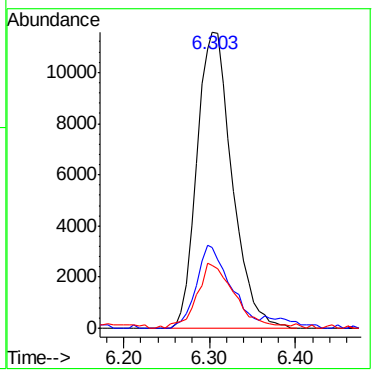


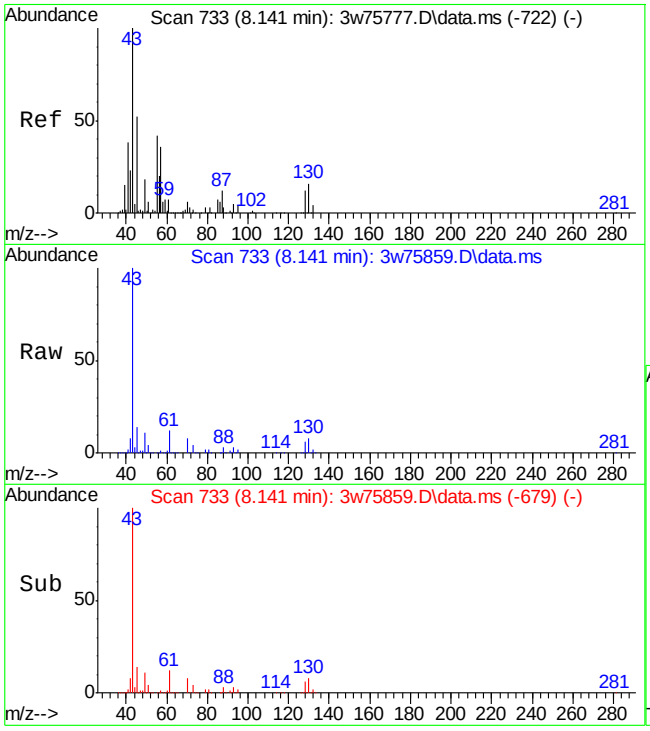


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.04 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 59 Resp: 32845

Ion	Ratio	Lower	Upper
59	100		
41	30.5	2.3	42.3
43	24.2	0.0	35.9

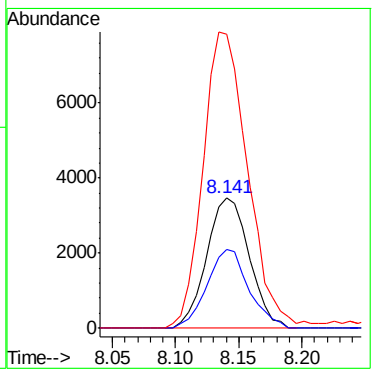


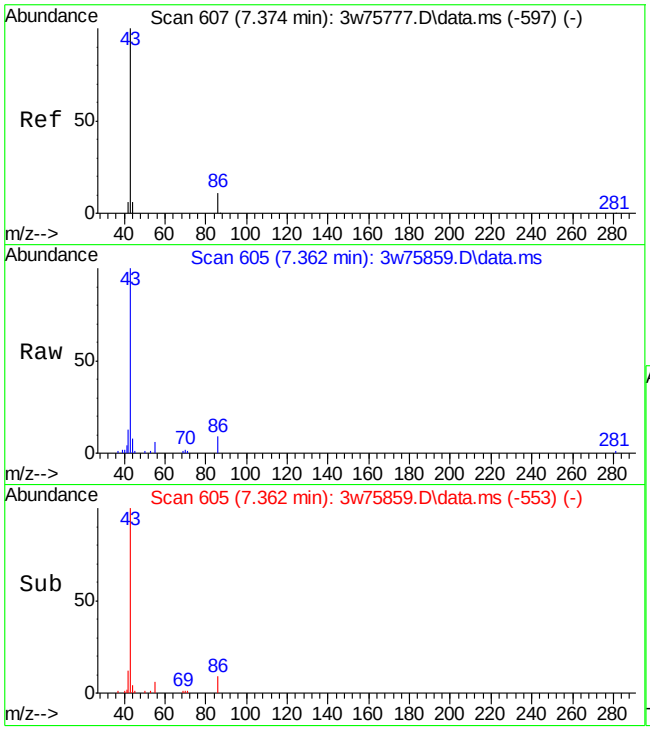


#38
HEXANE
Concen: 0.34 PPBV
RT: 8.141 min Scan# 733
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 57 Resp: 8100

Ion	Ratio	Lower	Upper
57	100		
56	58.9	34.6	74.6
41	246.6	107.4	147.4#

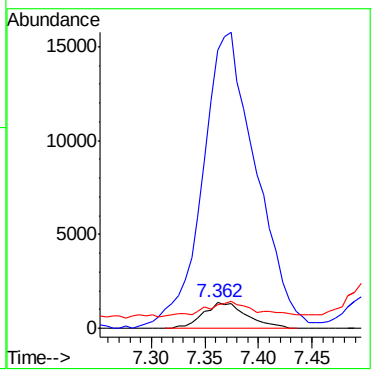


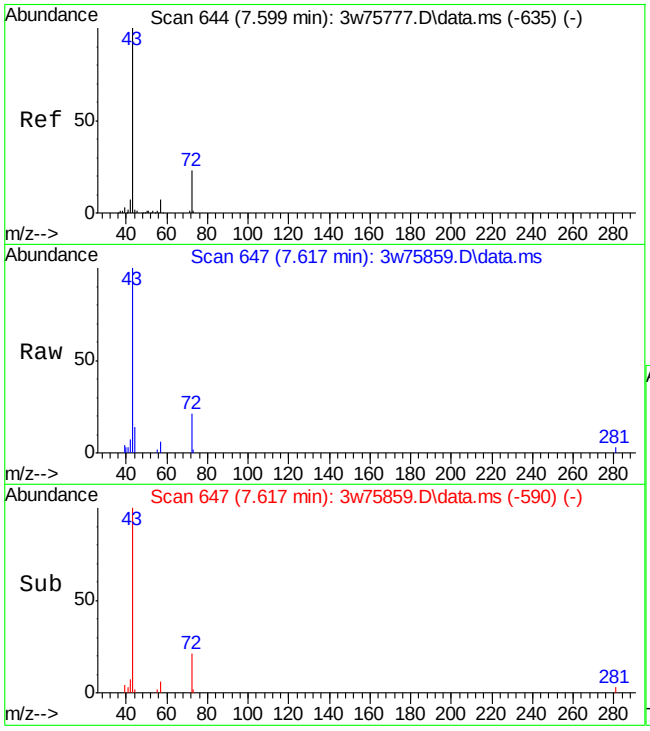


#39
VINYL ACETATE
Concen: 1.43 PPBV
RT: 7.362 min Scan# 605
Delta R.T. -0.012 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 86 Resp: 3842

Ion	Ratio	Lower	Upper
86	100		
43	1433.6	1267.8	1307.8#
44	81.6	43.5	83.5

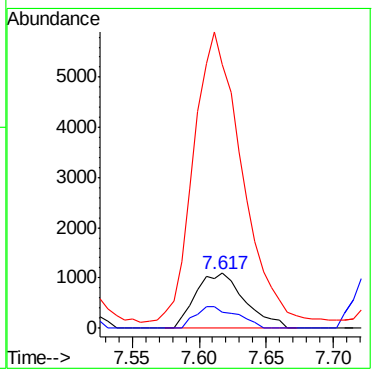


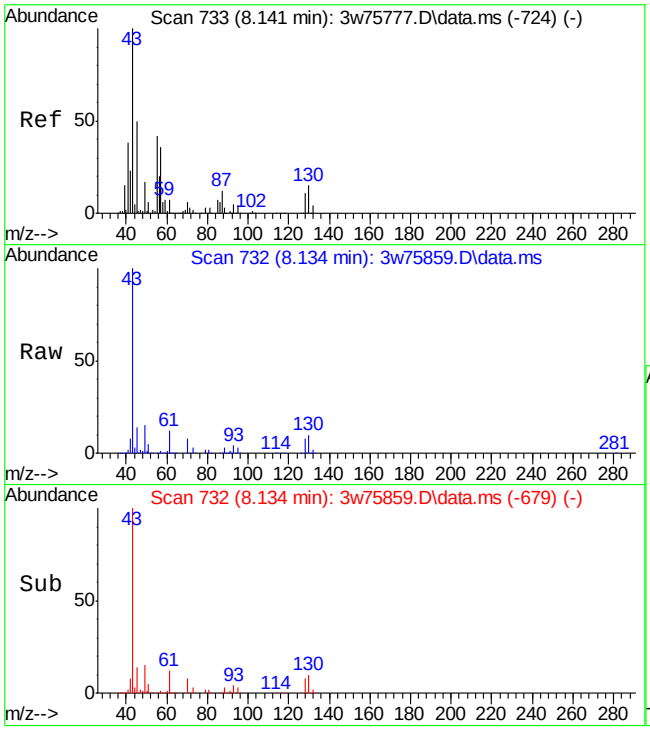


#41
METHYL ETHYL KETONE
Concen: 0.36 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 72 Resp: 2760

Ion	Ratio	Lower	Upper
72	100		
57	28.2	11.7	51.7
43	483.3	409.1	449.1#

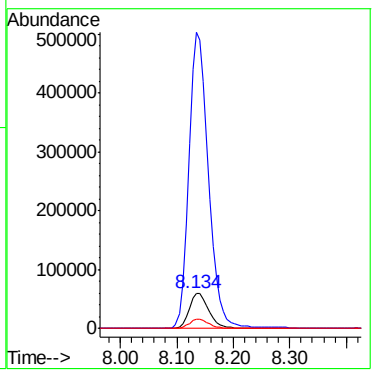


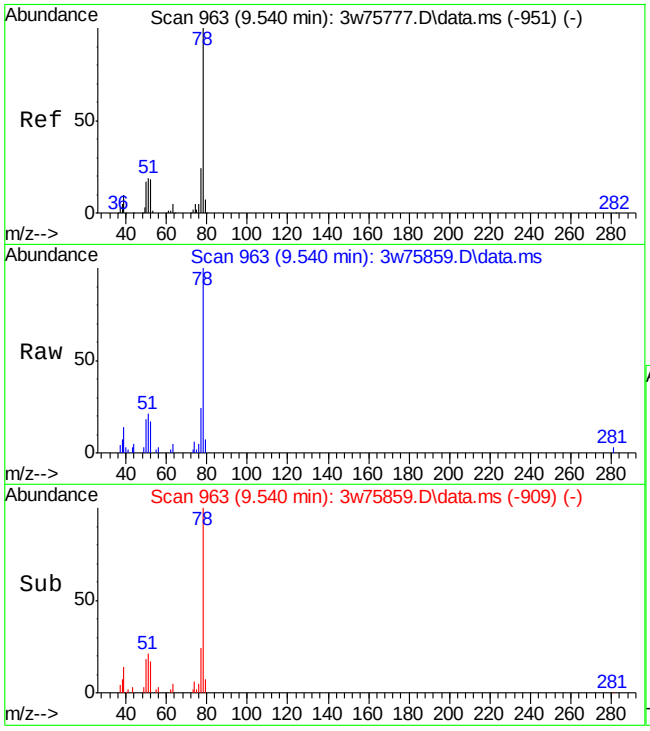


#44
ETHYL ACETATE
Concen: 28.58 PPBV
RT: 8.134 min Scan# 732
Delta R.T. -0.007 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 61 Resp: 144238

Ion	Ratio	Lower	Upper
61	100		
43	856.2	1591.1	1631.1#
88	25.5	23.8	63.8

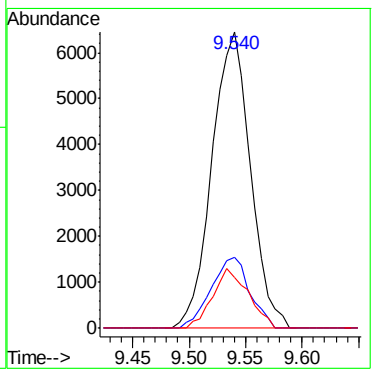


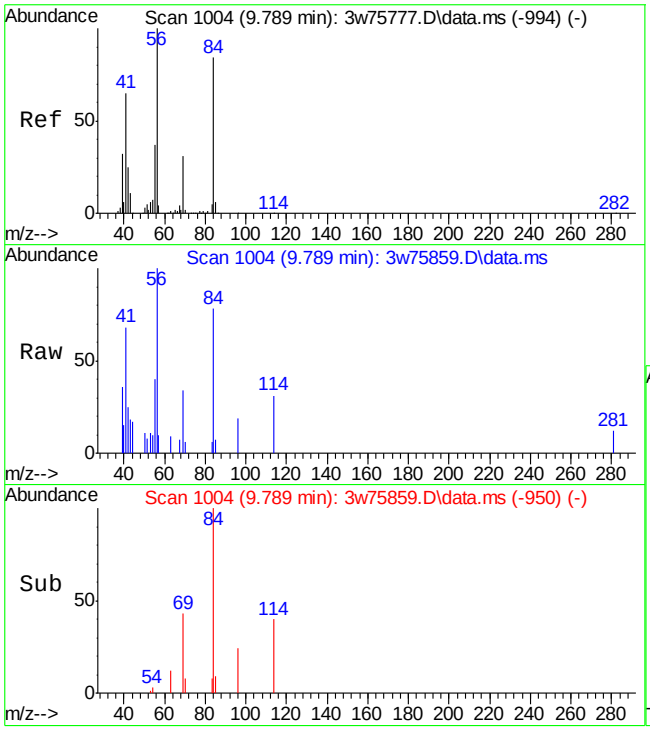


#52
BENZENE
Concen: 0.31 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 78 Resp: 15176

Ion	Ratio	Lower	Upper
78	100		
77	23.9	3.4	43.4
52	18.7	0.0	37.0

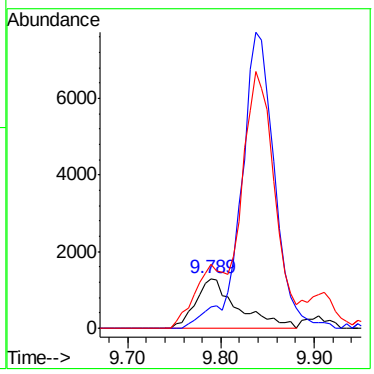


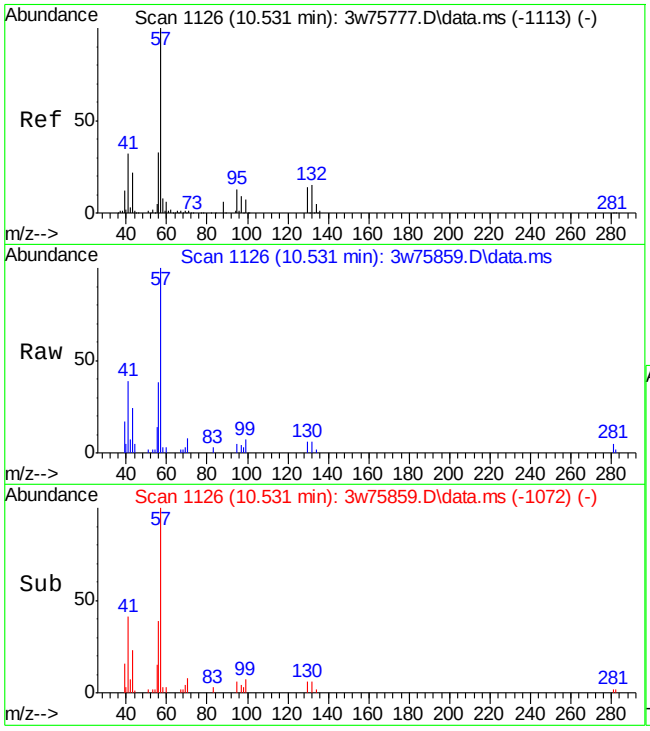


#53
CYCLOHEXANE
Concen: 0.18 PPBV
RT: 9.789 min Scan# 1004
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 84 Resp: 4085

Ion	Ratio	Lower	Upper
84	100		
69	0.0	24.9	64.9#
56	95.8	103.9	143.9#

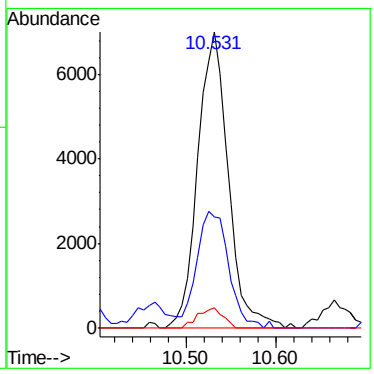


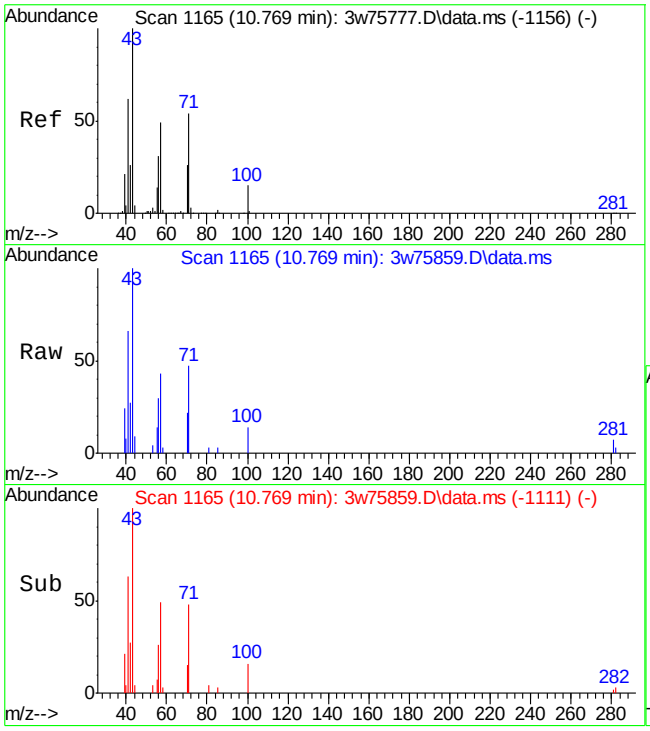


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.21 PPBV
RT: 10.531 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 57 Resp: 16495

Ion	Ratio	Lower	Upper
57	100		
56	41.3	12.3	52.3
99	5.6	0.0	28.2

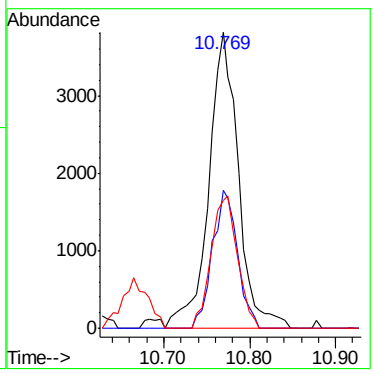


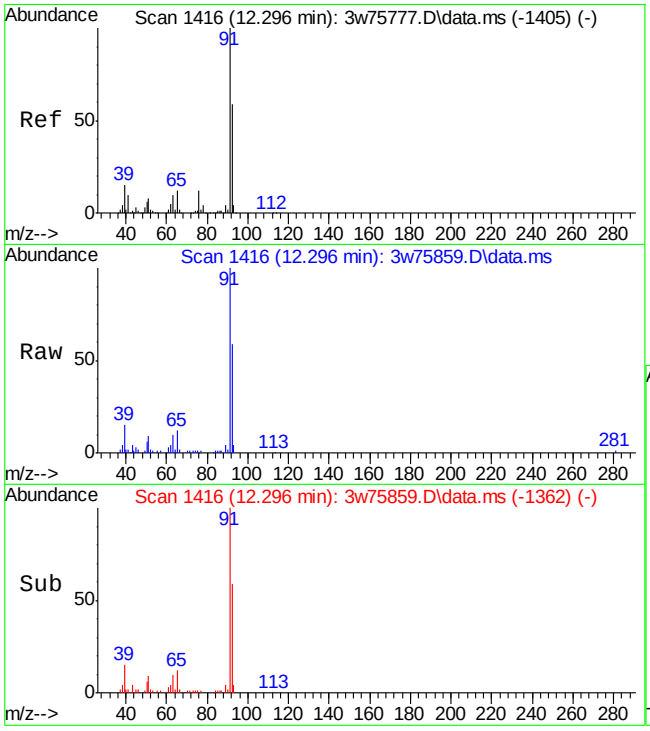


#62
HEPTANE
Concen: 0.30 PPBV
RT: 10.769 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 9094

Ion	Ratio	Lower	Upper
43	100		
71	39.6	34.1	74.1
57	39.9	29.5	69.5

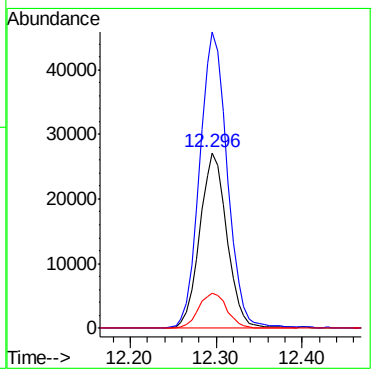


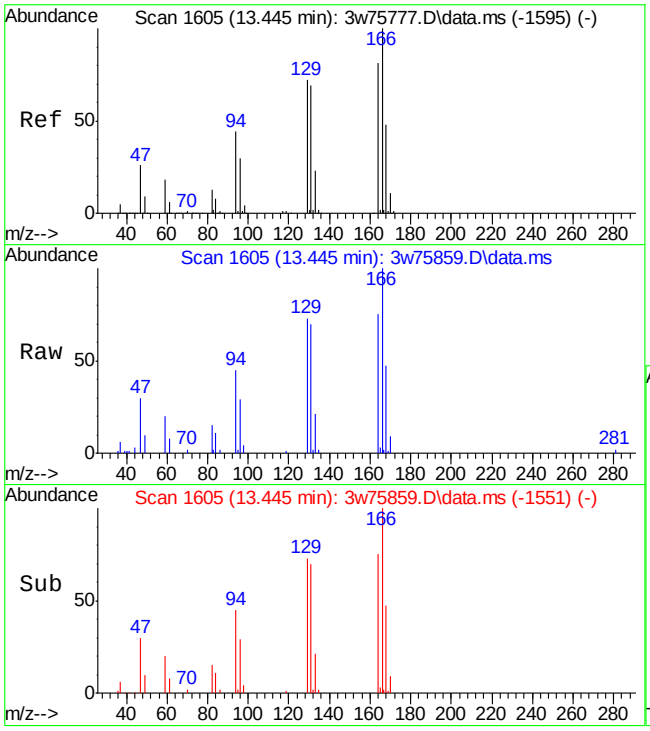


#66
TOLUENE
Concen: 1.69 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 92 Resp: 59380

Ion	Ratio	Lower	Upper
92	100		
91	172.0	150.3	190.3
65	20.6	2.5	42.5

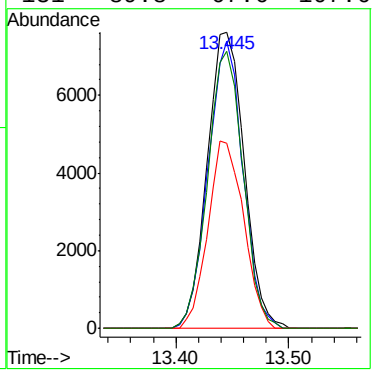


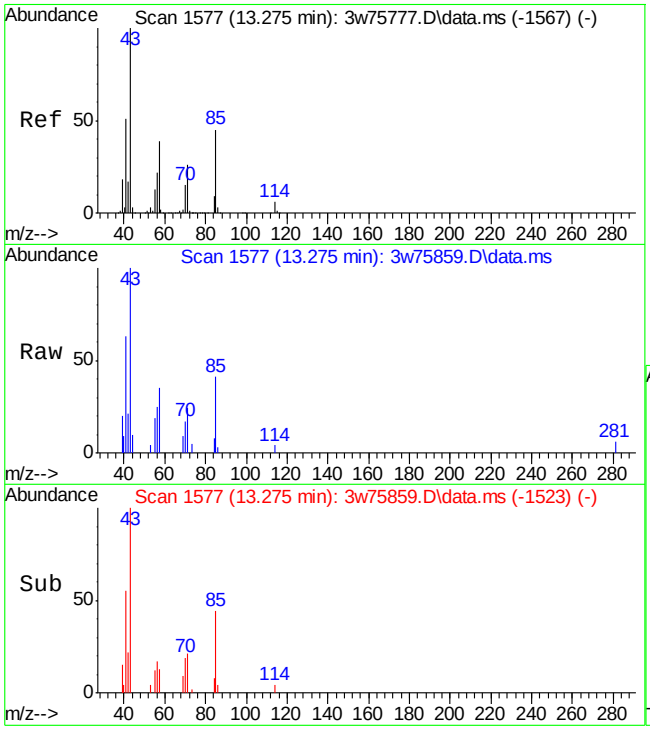


#73
TETRACHLOROETHYLENE
Concen: 0.62 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:164 Resp: 17259

Ion	Ratio	Lower	Upper
164	100		
129	91.5	69.5	109.5
168	60.9	40.9	80.9
131	89.8	67.6	107.6

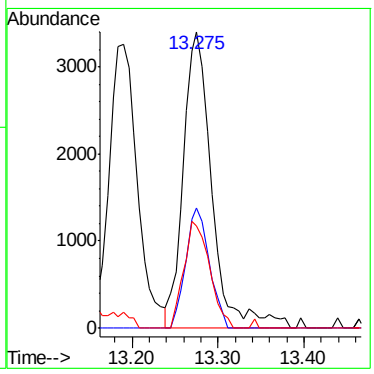


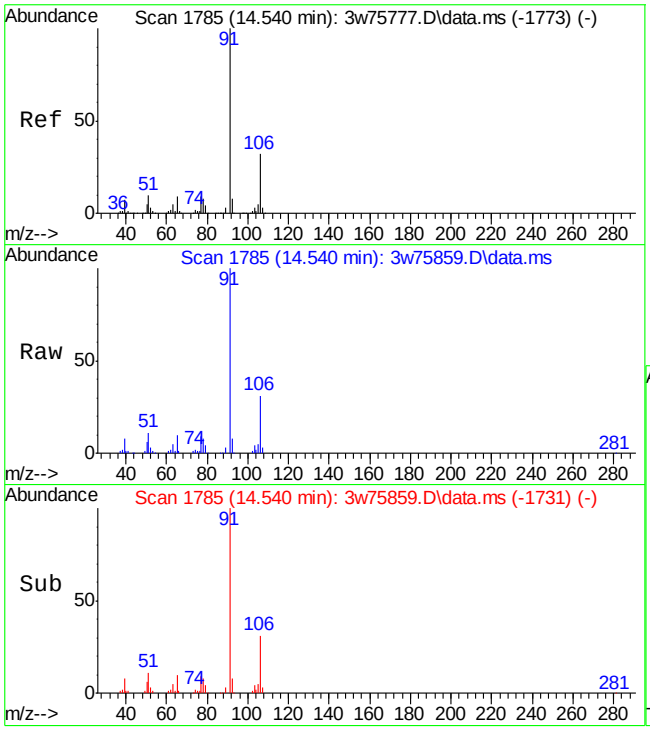


#76
OCTANE
Concen: 0.20 PPBV
RT: 13.275 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 7828

Ion	Ratio	Lower	Upper
43	100		
85	33.7	24.9	64.9
57	32.5	18.0	58.0

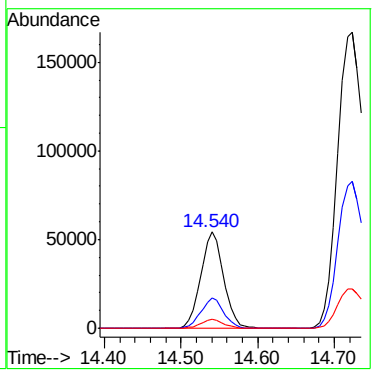


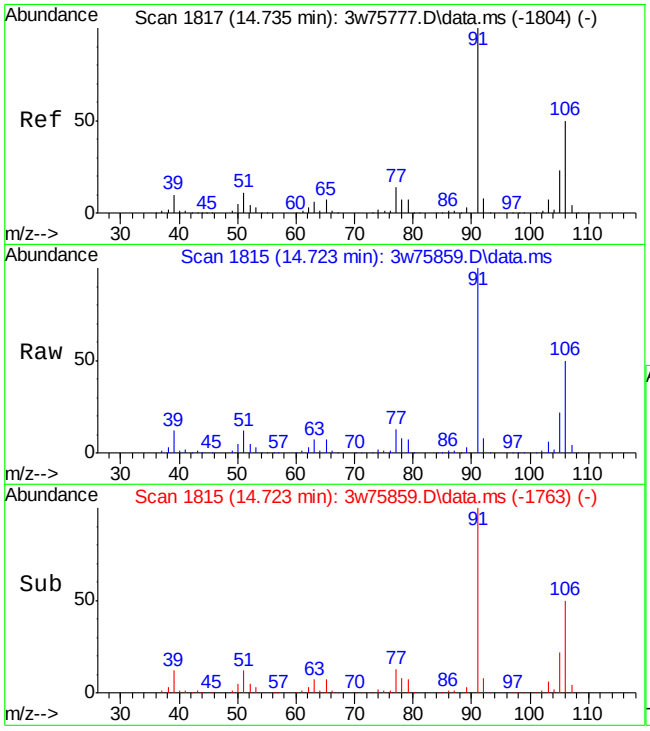


#79
ETHYLBENZENE
Concen: 1.45 PPBV
RT: 14.540 min Scan# 1785
Delta R.T. 0.000 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 91 Resp: 112489

Ion	Ratio	Lower	Upper
91	100		
106	31.0	11.8	51.8
77	8.7	0.0	28.7

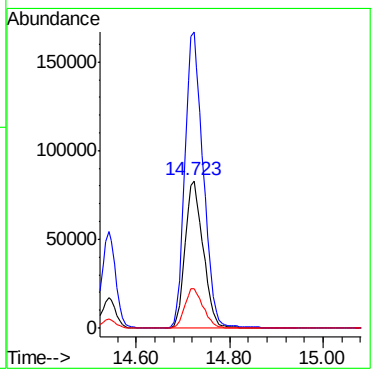


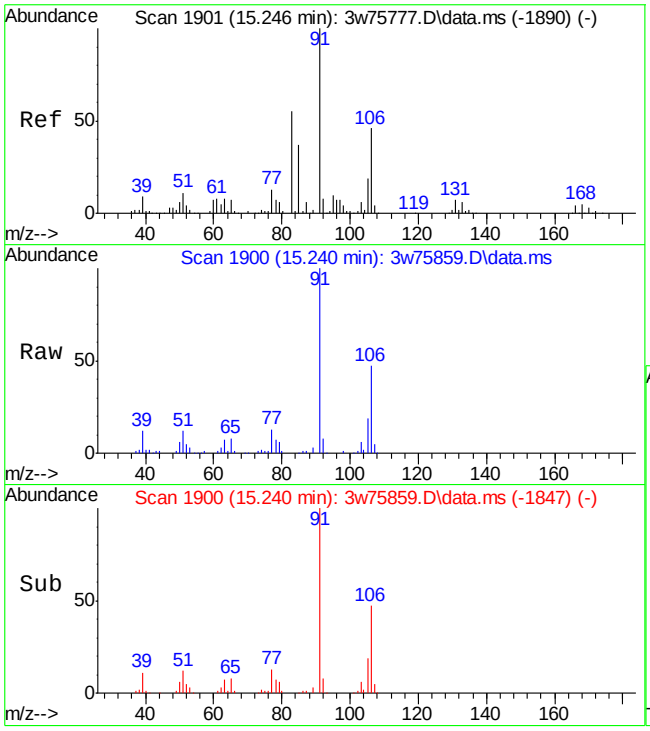


#80
m,p-XYLENE
Concen: 7.66 PPBV
RT: 14.723 min Scan# 1815
Delta R.T. -0.012 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:106 Resp: 221828

Ion	Ratio	Lower	Upper
106	100		
91	200.7	181.0	221.0
77	26.5	7.1	47.1

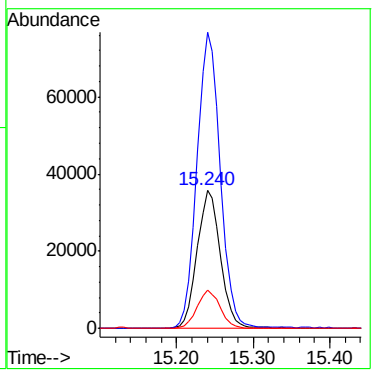


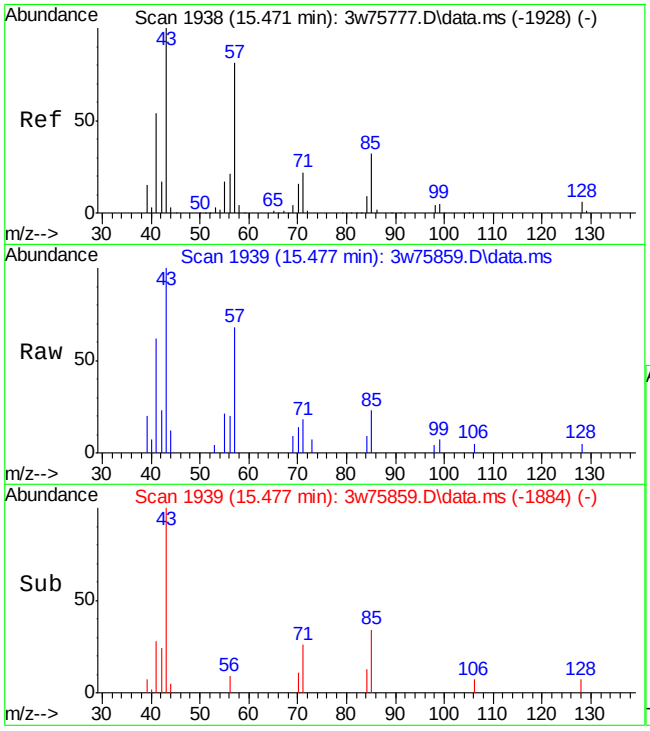


#81
o-XYLENE
Concen: 2.66 PPBV
RT: 15.240 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:106 Resp: 75446

Ion	Ratio	Lower	Upper
106	100		
91	215.7	195.6	235.6
77	27.1	7.0	47.0

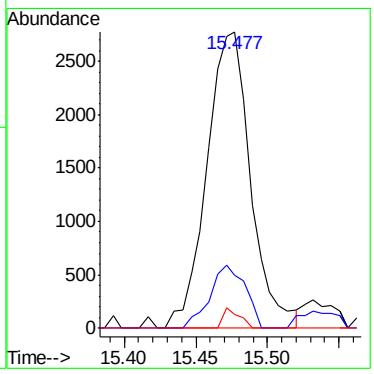


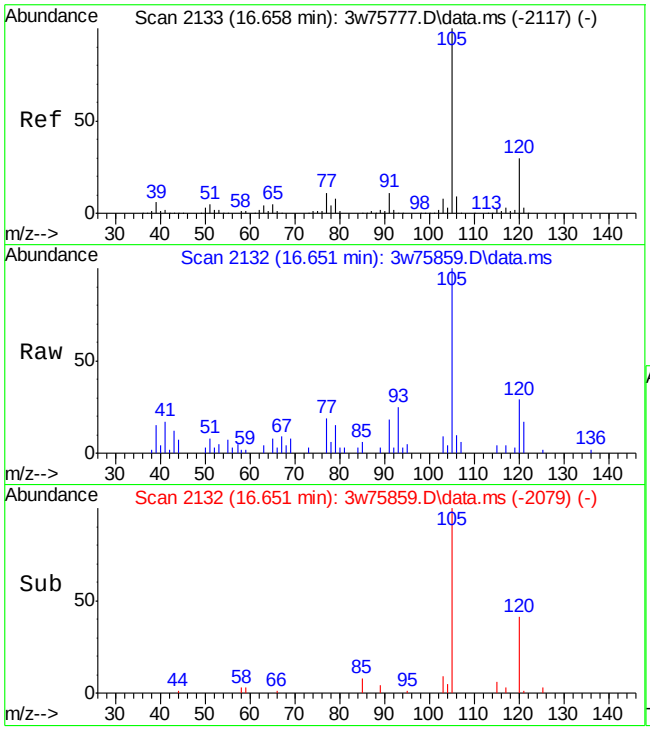


#83
NONANE
Concen: 0.15 PPBV
RT: 15.477 min Scan# 1939
Delta R.T. 0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 5906

Ion	Ratio	Lower	Upper
43	100		
71	17.2	2.4	42.4
128	2.6	0.0	25.9

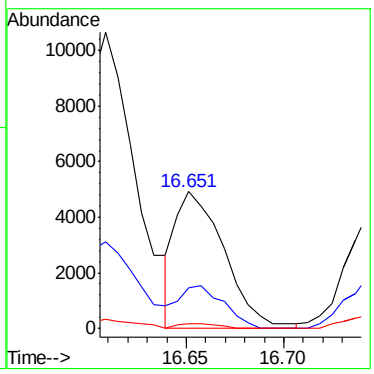


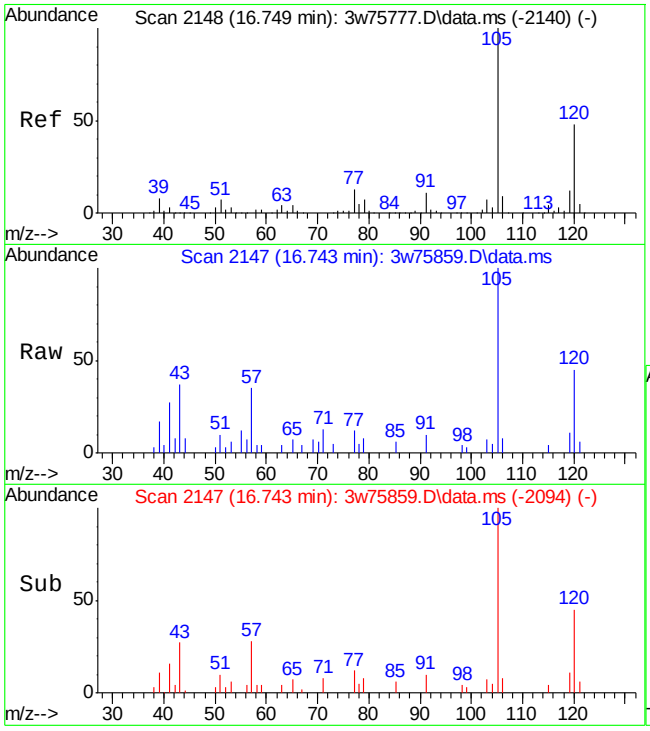


#92
4-ETHYLTOLUENE
Concen: 0.11 PPBV
RT: 16.651 min Scan# 2132
Delta R.T. -0.007 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:105 Resp: 8543

Ion	Ratio	Lower	Upper
105	100		
120	28.5	9.9	49.9
119	2.8	0.0	22.4

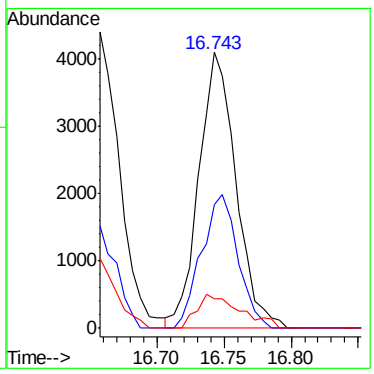


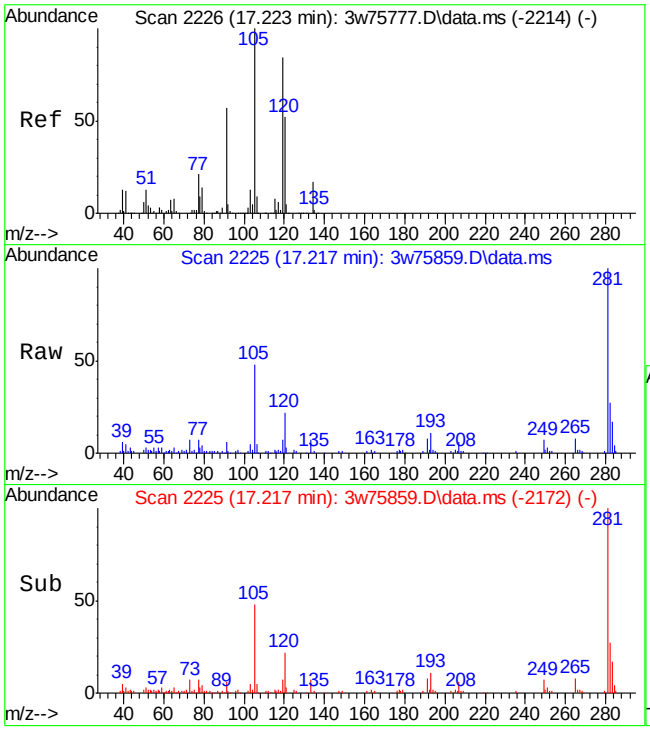


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 16.743 min Scan# 2147
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:105 Resp: 7832

Ion	Ratio	Lower	Upper
105	100		
120	47.6	28.4	68.4
91	14.1	0.0	30.9

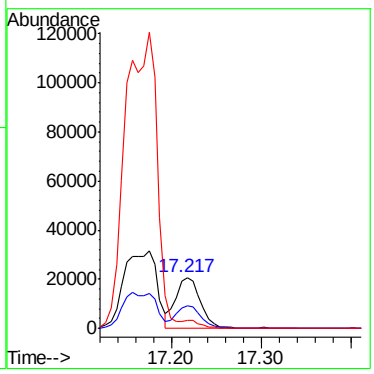


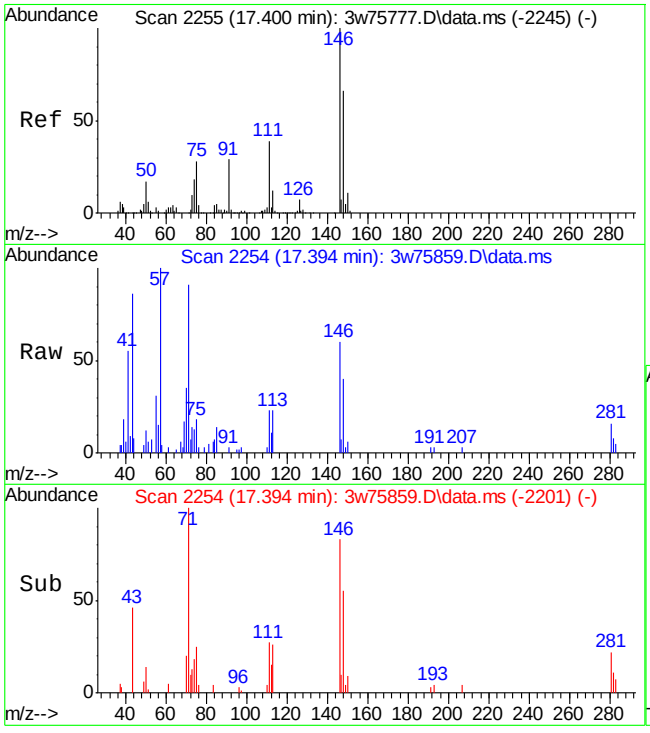


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.61 PPBV
RT: 17.217 min Scan# 2225
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:105 Resp: 40489

Ion	Ratio	Lower	Upper
105	100		
120	44.2	35.1	75.1
119	0.0	92.4	132.4#

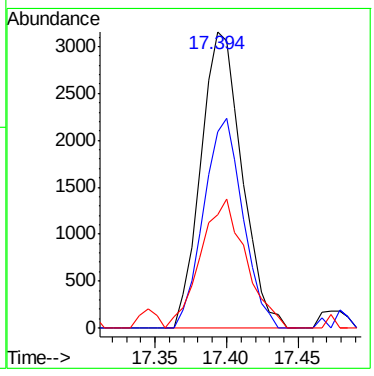


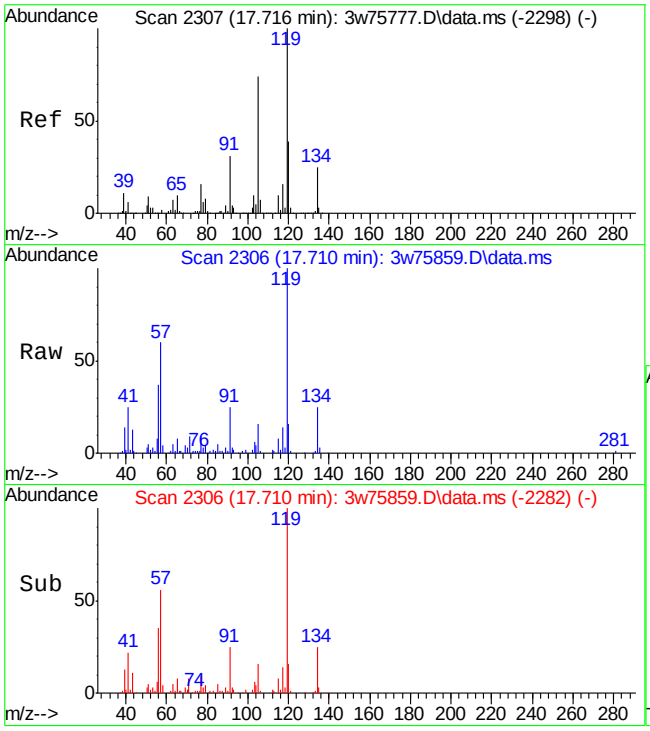


#97
m-DICHLOROBENZENE
Concen: 0.15 PPBV
RT: 17.394 min Scan# 2254
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:146 Resp: 6302

Ion	Ratio	Lower	Upper
146	100		
148	67.6	45.3	85.3
111	47.9	19.0	59.0

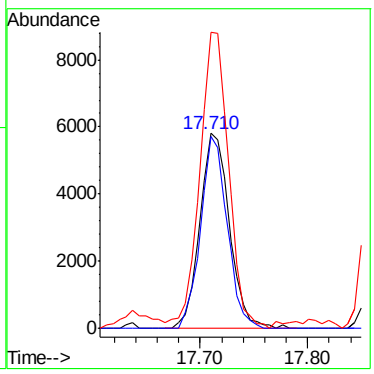


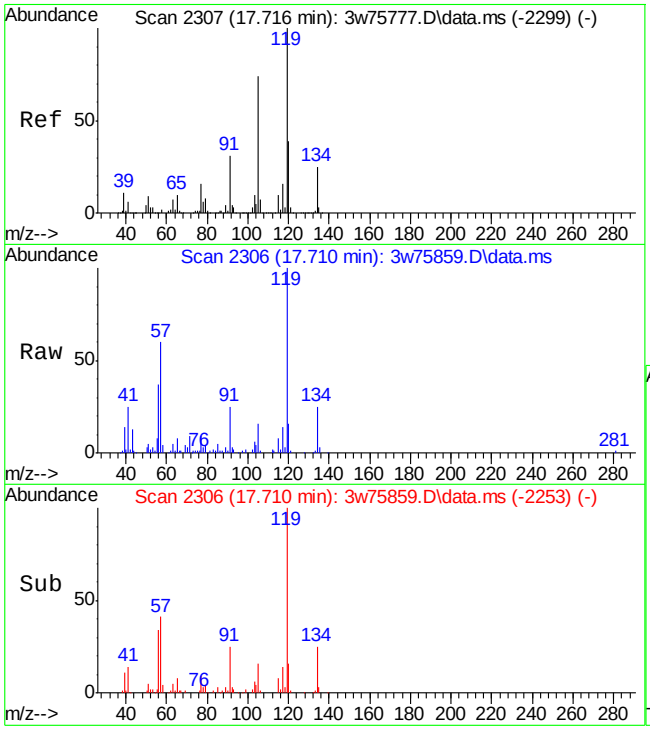


#101
1,2,3-Trimethylbenzene
Concen: 0.16 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:105 Resp: 11059

Ion	Ratio	Lower	Upper
105	100		
120	88.2	31.8	71.8#
91	147.8	19.7	59.7#

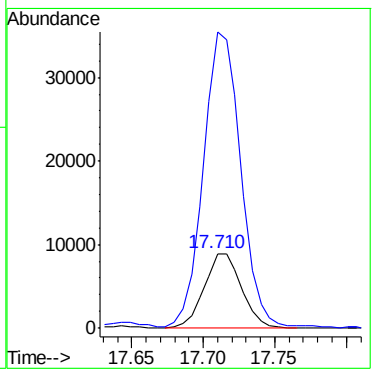


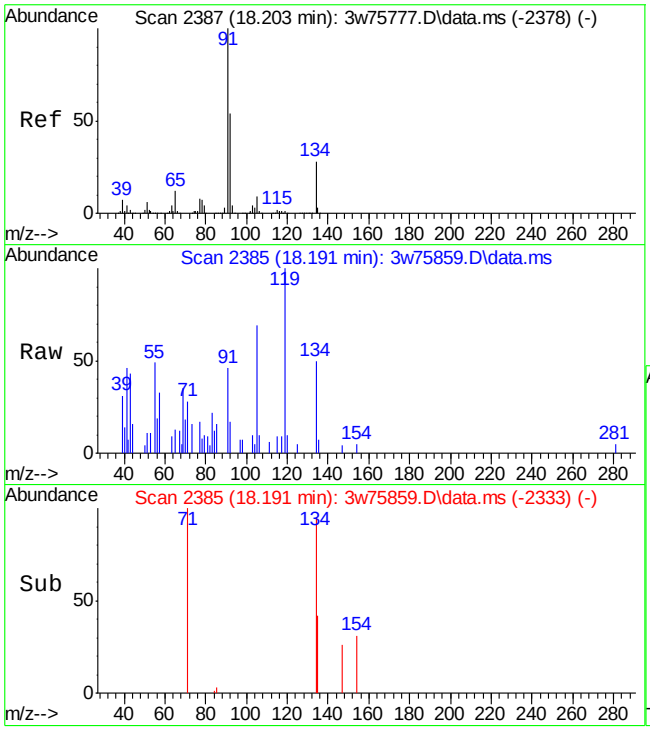


#102
p-ISOPROPYLTOLUENE
Concen: 0.73 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:134 Resp: 16170

Ion	Ratio	Lower	Upper
134	100		
119	400.1	0.0	23.9#

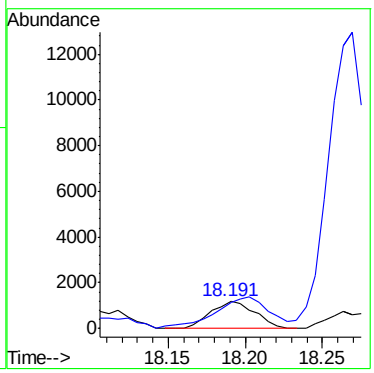




#104
n-BUTYLBENZENE
Concen: 0.12 PPBV m
RT: 18.191 min Scan# 2385
Delta R.T. -0.012 min
Lab File: 3w75859.D
Acq: 27 Apr 2022 1:31 am

Tgt Ion:134 Resp: 2348

Ion	Ratio	Lower	Upper
134	100		
91	34.2	33.5	73.5



Manual Integration Approval Summary

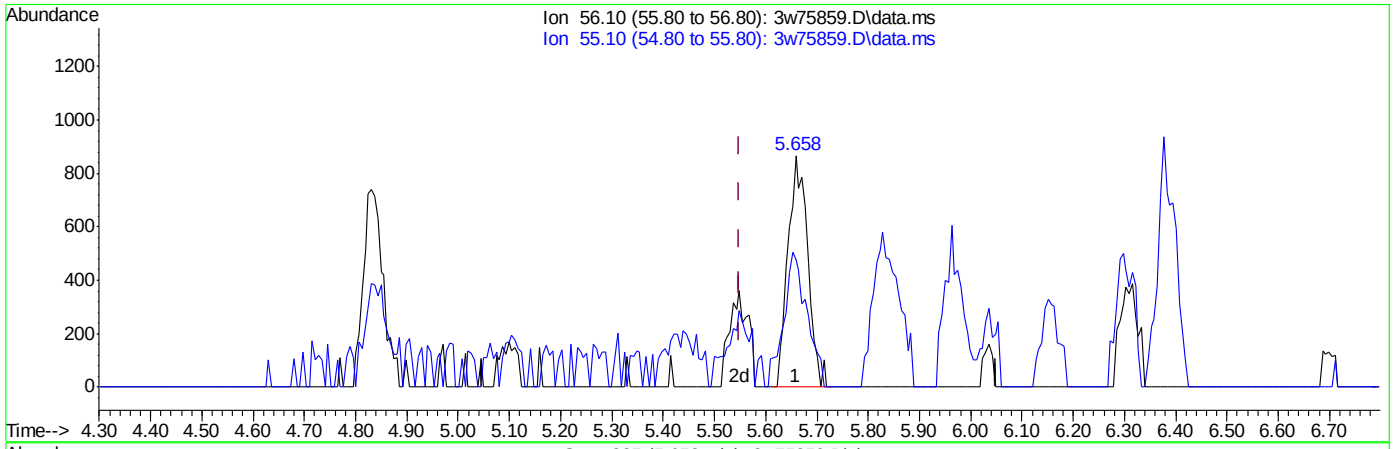
Sample Number:	JD42150-12	**Method:**	TO-15
Lab FileID:	3W75859.D	**Analyst approved:**	04/29/22 14:02 Benjamin Kim
Injection Time:	04/27/22 01:31	**Supervisor approved:**	04/29/22 14:41 Kanya Veerawat

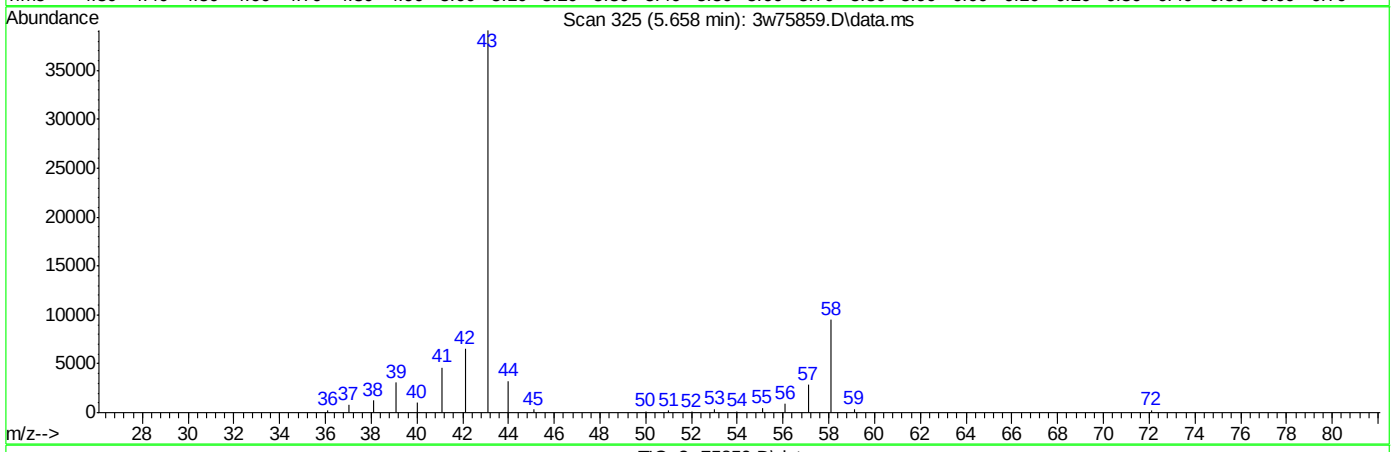
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acrolein	107-02-8		5.55	Missed peak
n-Butylbenzene	104-51-8		18.19	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75859.D
Acq On : 27 Apr 2022 1:31 am
Operator : thomash
Sample : jd42150-12
Misc : MS57846,V3W2984,148,,,,1.48
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 13:21:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75859.D\data.ms

(18) ACROLEIN

5.658min (+0.109) 0.45PPBV

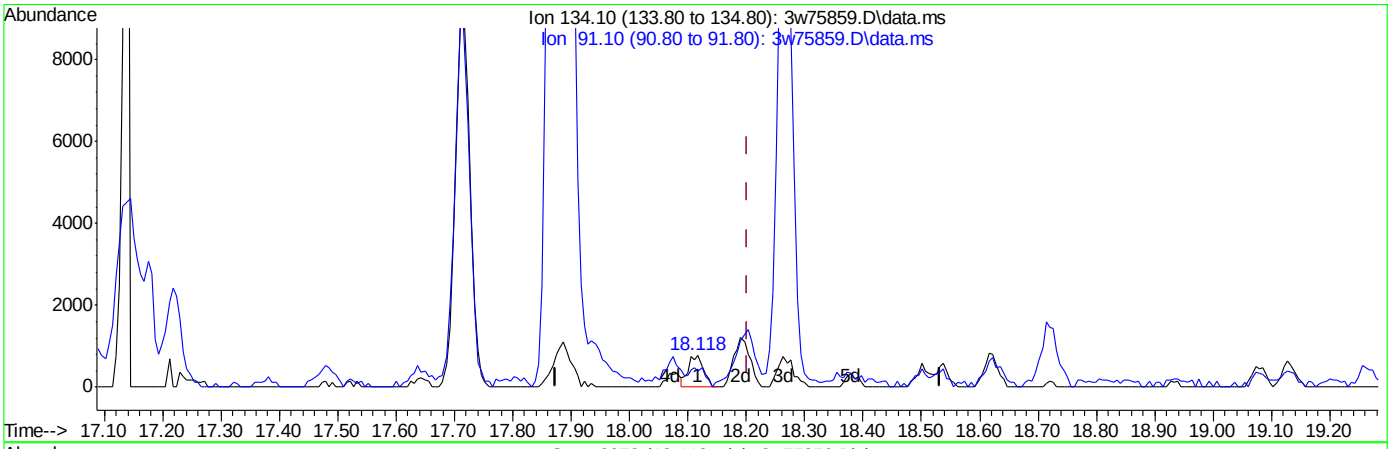
response 2316

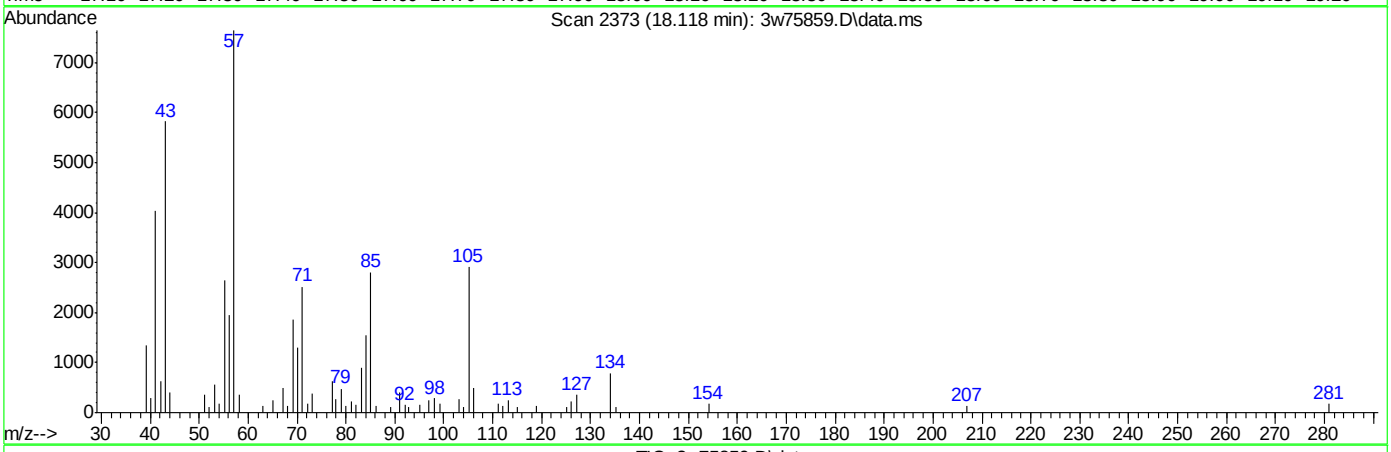
Ion	Exp%	Act%
56.10	100	100
55.10	68.80	68.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75859.D
Acq On : 27 Apr 2022 1:31 am
Operator : thomash
Sample : jd42150-12
Misc : MS57846,V3W2984,148,,,,1.48
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 13:21:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75859.D\data.ms

(104) n-BUTYLBENZENE

18.118min (-0.085) 0.07PPBV

response 1386

Ion	Exp%	Act%
134.10	100	100
91.10	53.50	57.94
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 14:43

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75860.D
Acq On : 27 Apr 2022 2:12 am
Operator : thomash
Sample : jd42150-13
Misc : MS57846,V3W2984,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 13:49:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

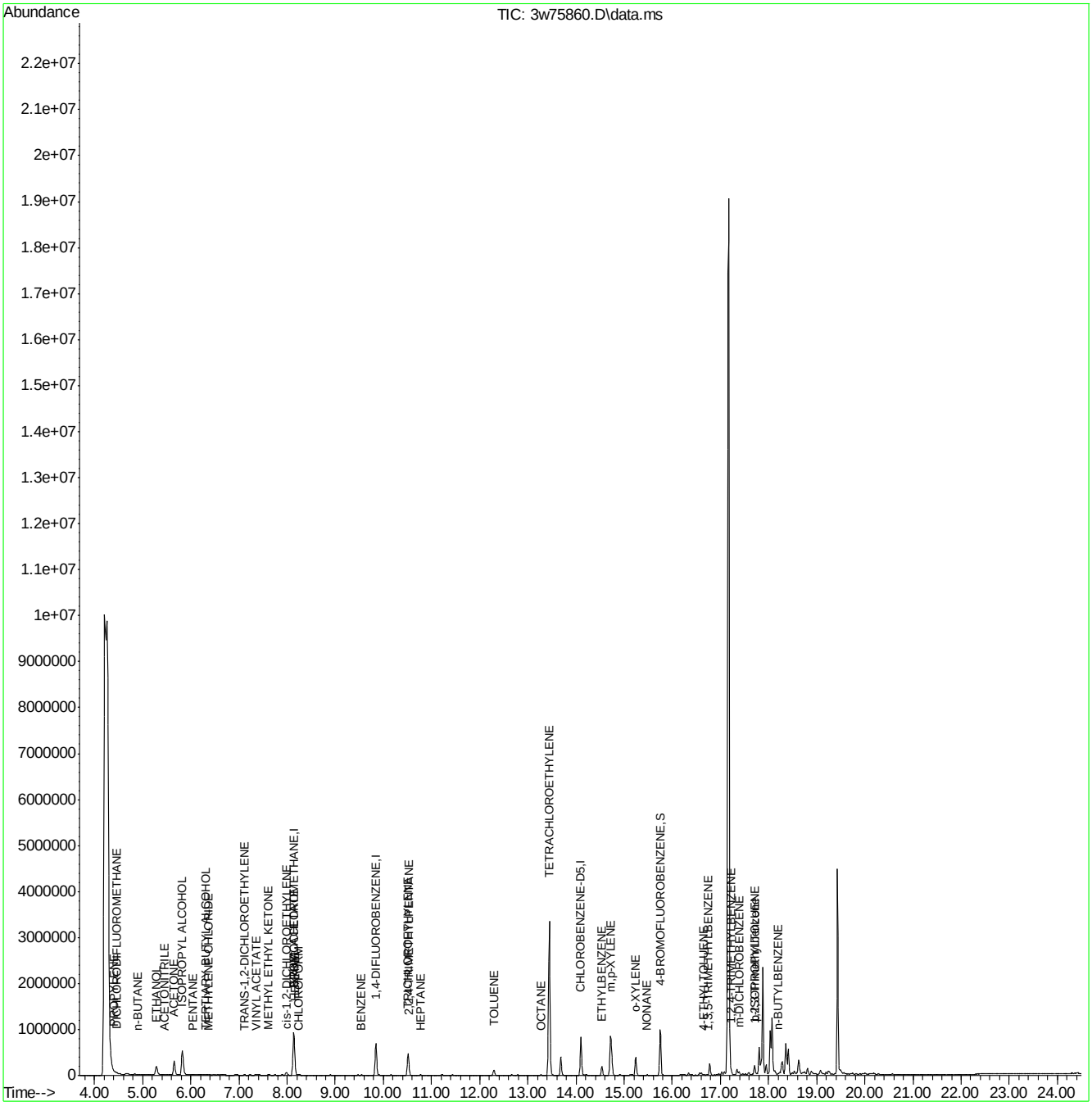
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.134	128	132876	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	650536	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	319001	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	393416	11.60	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.00%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.466	85	6939	0.11	PPBV		95
7) PROPYLENE	4.411	41	5770	0.34	PPBV		91
13) n-BUTANE	4.904	43	7154	0.28	PPBV	#	91
17) ACETONITRILE	5.458	41	1490	0.21	PPBV	#	37
22) ISOPROPYL ALCOHOL	5.823	45	891894	24.27	PPBV		100
23) ACETONE	5.652	58	115273	12.85	PPBV	#	86
24) PENTANE	6.042	42	4674	0.23	PPBV		86
28) ETHANOL	5.281	45	304655	41.43	PPBV		98
31) METHYLENE CHLORIDE	6.364	84	3941	0.22	PPBV		82
34) TRANS-1,2-DICHLOROETHY...	7.118	96	1966	0.10	PPBV	#	84
35) TERTIARY BUTYL ALCOHOL	6.303	59	23617	0.65	PPBV		78
38) HEXANE	8.153	57	5813	0.21	PPBV	#	30
39) VINYL ACETATE	7.368	86	1914	0.62	PPBV	#	29
41) METHYL ETHYL KETONE	7.611	72	6247	0.71	PPBV	#	92
42) cis-1,2-DICHLOROETHYLENE	7.982	96	29414	1.49	PPBV		90
44) ETHYL ACETATE	8.140	61	105075	18.02	PPBV	#	1
46) CHLOROFORM	8.238	83	9034	0.21	PPBV		95
52) BENZENE	9.540	78	10894	0.20	PPBV		98
55) TRICHLOROETHYLENE	10.513	95	187898	7.21	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.525	57	12685	0.15	PPBV	#	4
62) HEPTANE	10.775	43	7814	0.23	PPBV		85
66) TOLUENE	12.296	92	58286	1.51	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	904244	30.04	PPBV		96
76) OCTANE	13.275	43	7909	0.18	PPBV		87
79) ETHYLBENZENE	14.540	91	183135	2.18	PPBV		98
80) m,p-XYLENE	14.723	106	385209	12.25	PPBV		97
81) o-XYLENE	15.240	106	136147	4.42	PPBV		100
83) NONANE	15.471	43	7539	0.17	PPBV		89
92) 4-ETHYLTOLUENE	16.657	105	9623m	0.11	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	8520	0.11	PPBV		89
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	40596	0.56	PPBV	#	25
97) m-DICHLOROBENZENE	17.394	146	5842	0.13	PPBV		91
101) 1,2,3-Trimethylbenzene	17.716	105	10329	0.14	PPBV	#	34
102) p-ISOPROPYLTOLUENE	17.710	134	10523	0.44	PPBV	#	1
104) n-BUTYLBENZENE	18.191	134	2508	0.12	PPBV	#	1

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

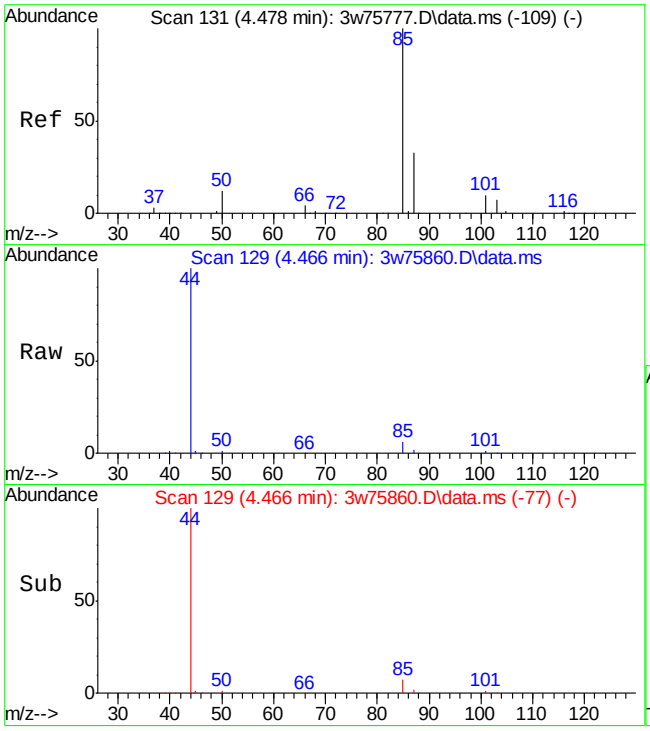
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75860.D
Acq On : 27 Apr 2022 2:12 am
Operator : thomash
Sample : jd42150-13
Misc : MS57846,V3W2984,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 13:49:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



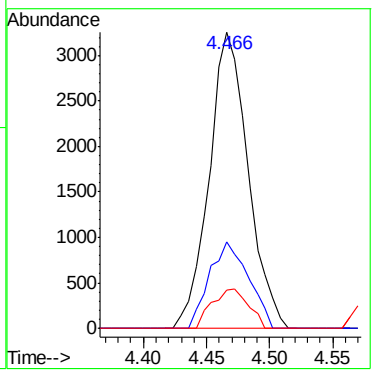
M3W2981.M Fri Apr 29 14:01:21 2022 Page: 2

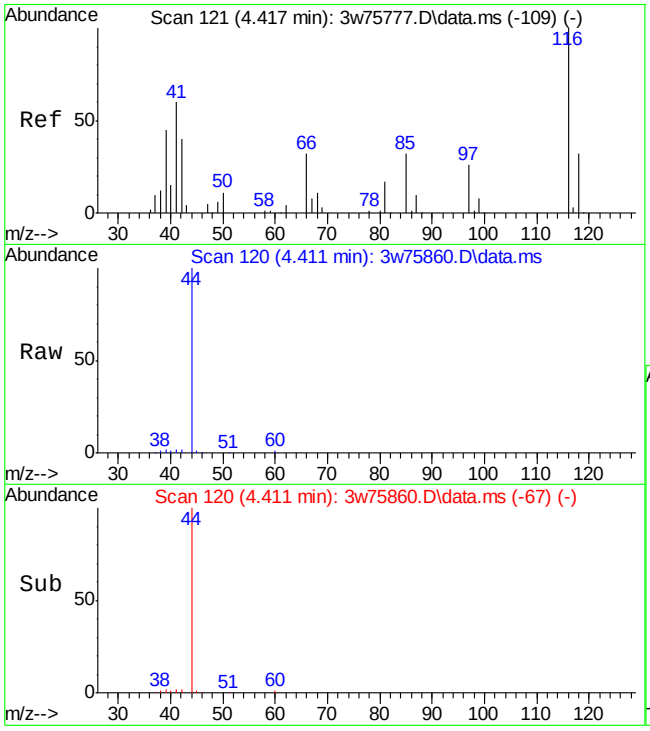


#6
DICHLORODIFLUOROMETHANE
Concen: 0.11 PPBV
RT: 4.466 min Scan# 129
Delta R.T. -0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 85 Resp: 6939

Ion	Ratio	Lower	Upper
85	100		
87	29.5	12.5	52.5
50	12.5	0.0	30.4

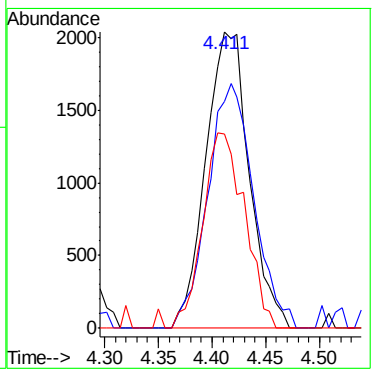


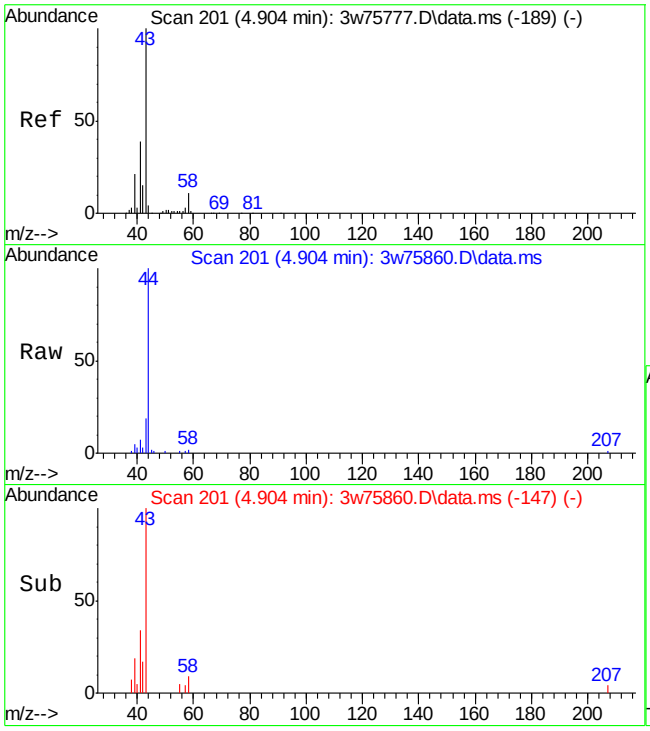


#7
PROPYLENE
Concen: 0.34 PPBV
RT: 4.411 min Scan# 120
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 41 Resp: 5770

Ion	Ratio	Lower	Upper
41	100		
39	86.9	54.9	94.9
42	62.8	45.4	85.4

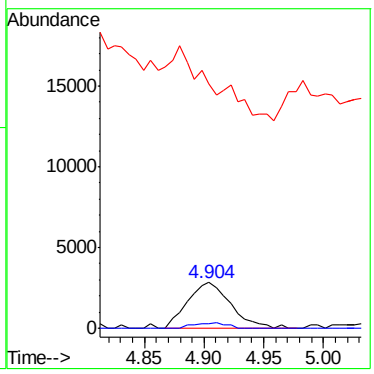


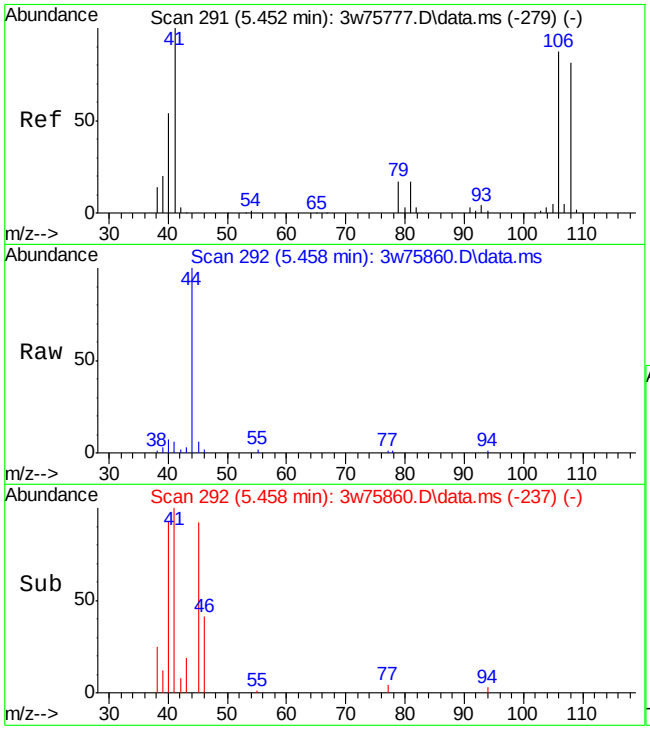


#13
n-BUTANE
Concen: 0.28 PPBV
RT: 4.904 min Scan# 201
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 43 Resp: 7154

Ion	Ratio	Lower	Upper
43	100		
58	8.6	0.0	31.2
44	0.0	0.0	24.6

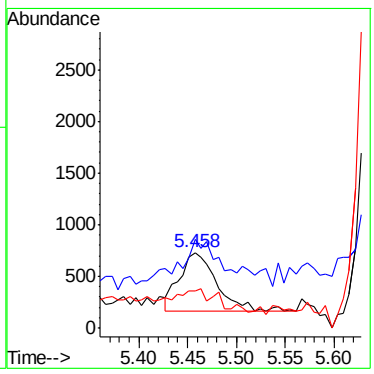


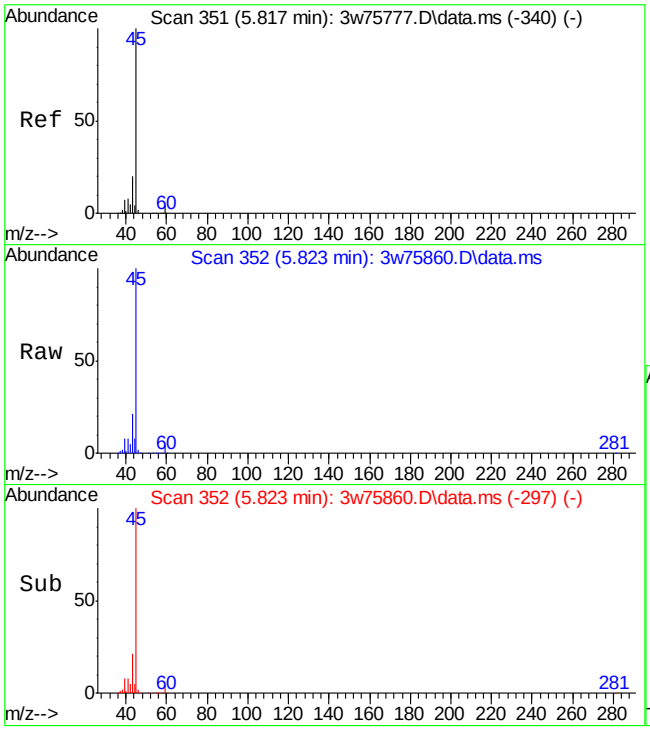


#17
ACETONITRILE
Concen: 0.21 PPBV
RT: 5.458 min Scan# 292
Delta R.T. 0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 41 Resp: 1490

Ion	Ratio	Lower	Upper
41	100		
40	106.3	44.3	66.5#
39	0.0	16.2	24.4#

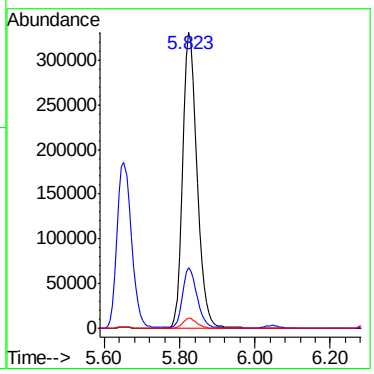


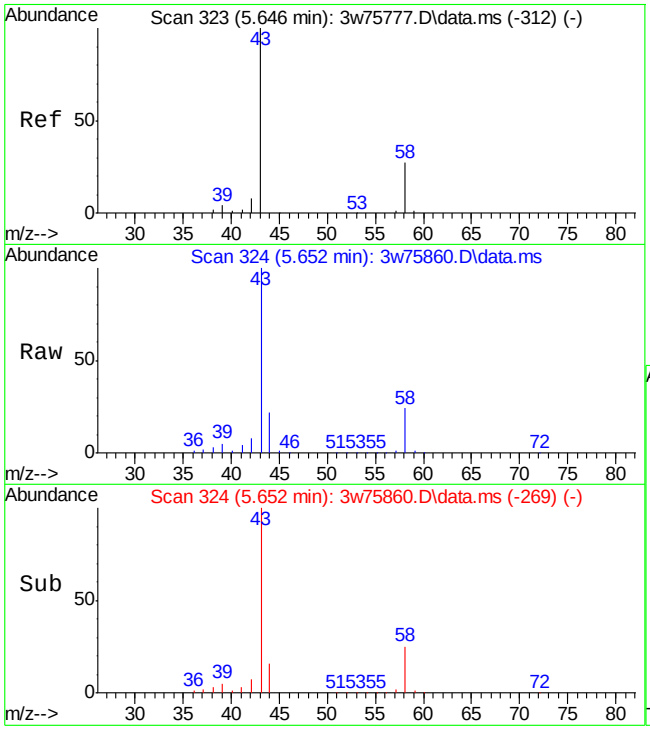


#22
ISOPROPYL ALCOHOL
Concen: 24.27 PPBV
RT: 5.823 min Scan# 352
Delta R.T. 0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 45 Resp: 891894

Ion	Ratio	Lower	Upper
45	100		
43	20.6	0.7	40.7
59	3.5	0.0	23.6

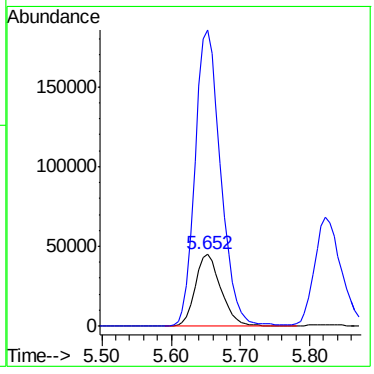


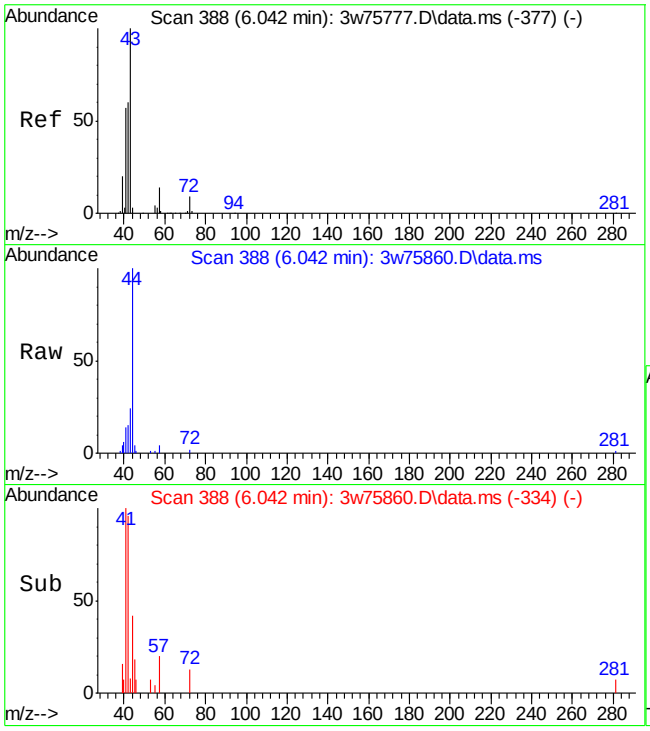


#23
ACETONE
Concen: 12.85 PPBV
RT: 5.652 min Scan# 324
Delta R.T. 0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 58 Resp: 115273

Ion	Ratio	Lower	Upper
58	100		
43	415.8	362.9	402.9#

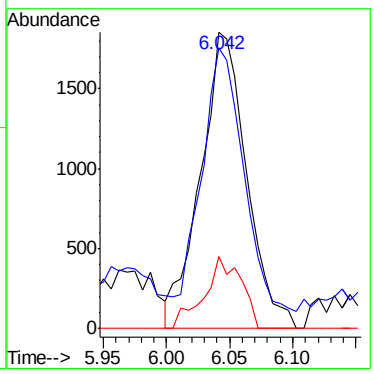


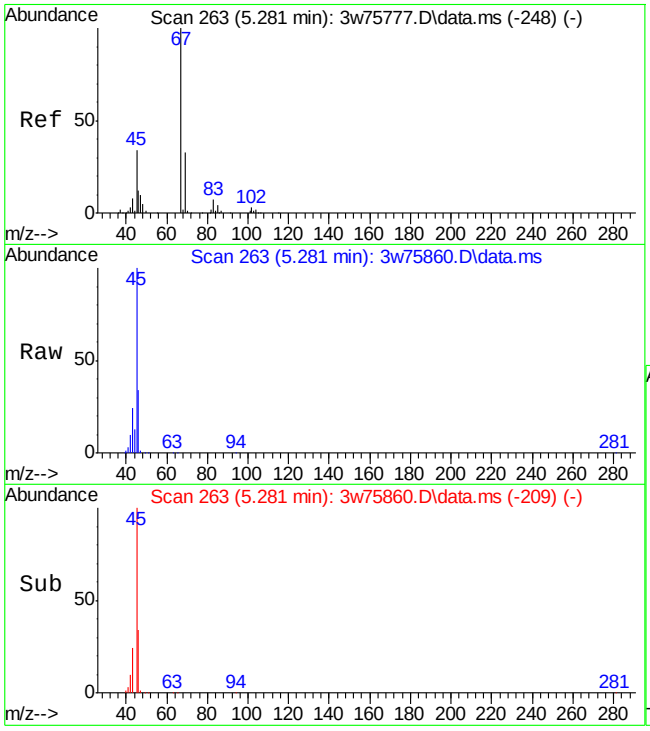


#24
PENTANE
Concen: 0.23 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 42 Resp: 4674

Ion	Ratio	Lower	Upper
42	100		
41	79.4	73.3	113.3
57	19.3	4.4	44.4

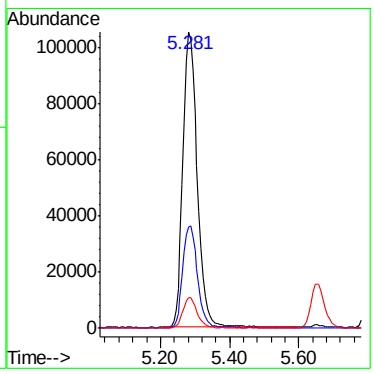


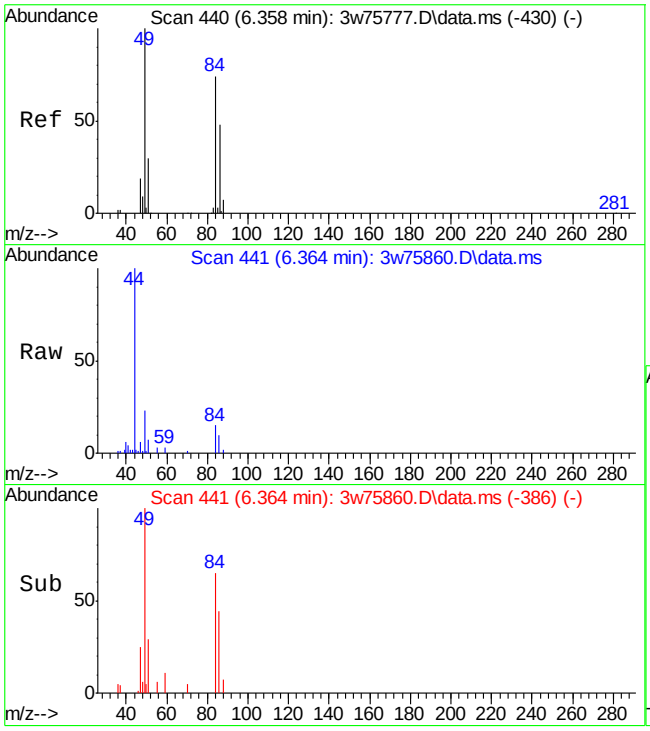


#28
ETHANOL
Concen: 41.43 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 45 Resp: 304655

Ion	Ratio	Lower	Upper
45	100		
46	35.9	14.9	54.9
42	11.0	0.0	30.1

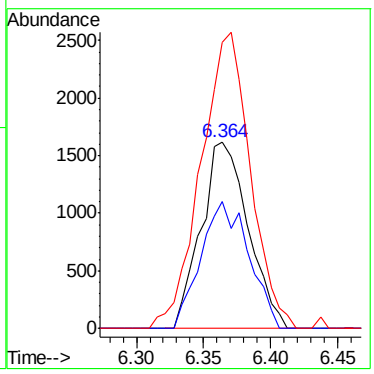


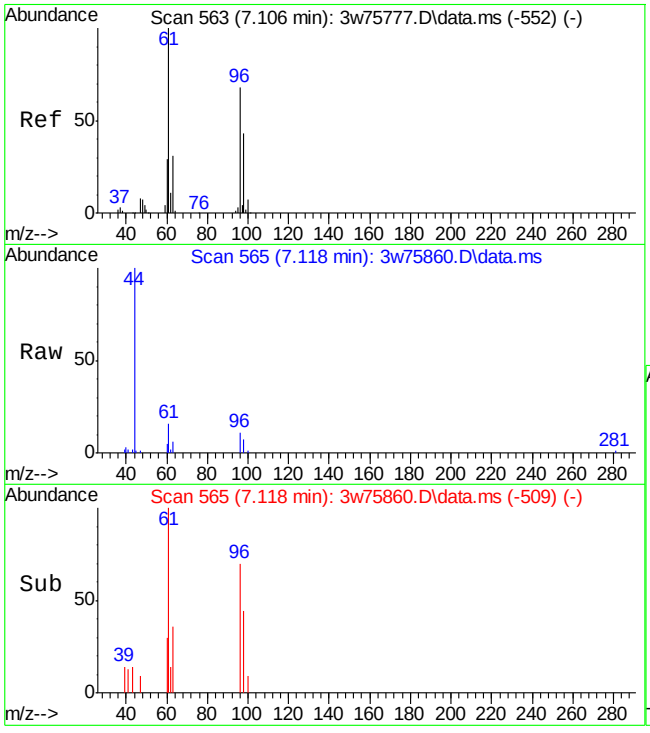


#31
METHYLENE CHLORIDE
Concen: 0.22 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 84 Resp: 3941

Ion	Ratio	Lower	Upper
84	100		
86	69.2	45.6	85.6
49	166.8	0.0	337.9

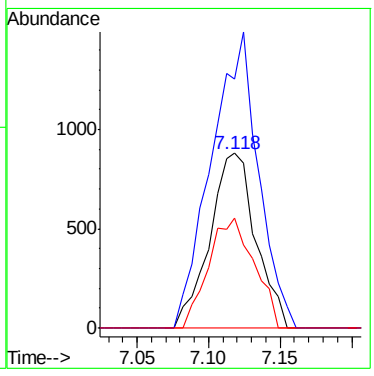


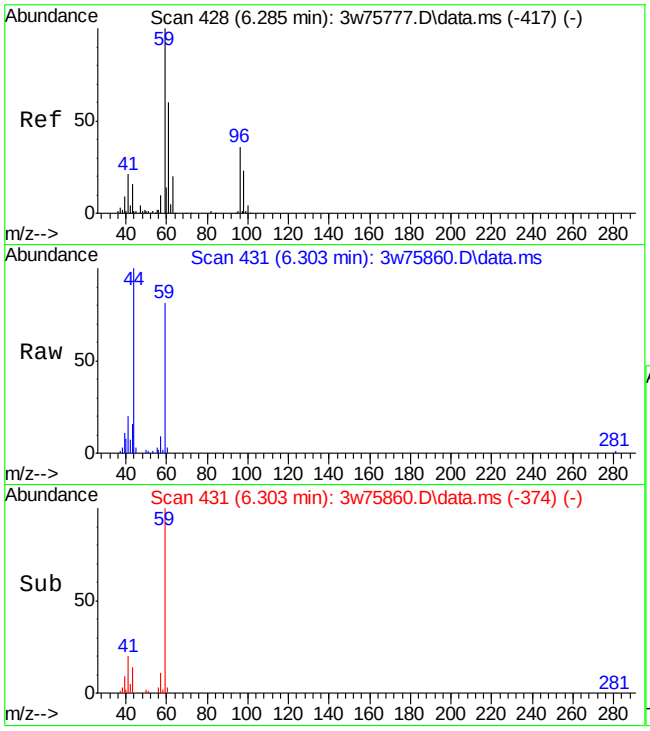


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.10 PPBV
RT: 7.118 min Scan# 565
Delta R.T. 0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 96 Resp: 1966

Ion	Ratio	Lower	Upper
96	100		
61	173.9	125.4	165.4#
98	62.6	42.9	82.9

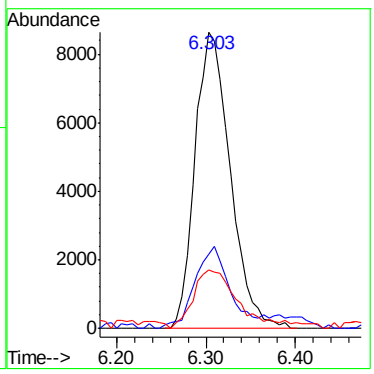


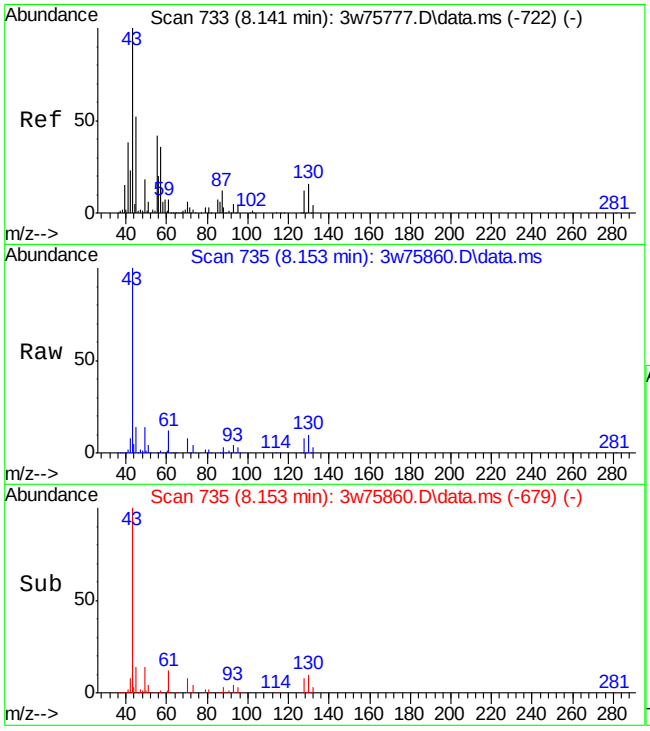


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.65 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 59 Resp: 23617

Ion	Ratio	Lower	Upper
59	100		
41	32.4	2.3	42.3
43	25.9	0.0	35.9

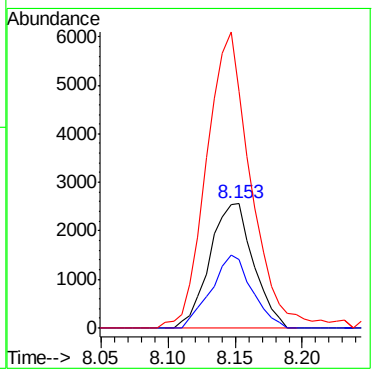


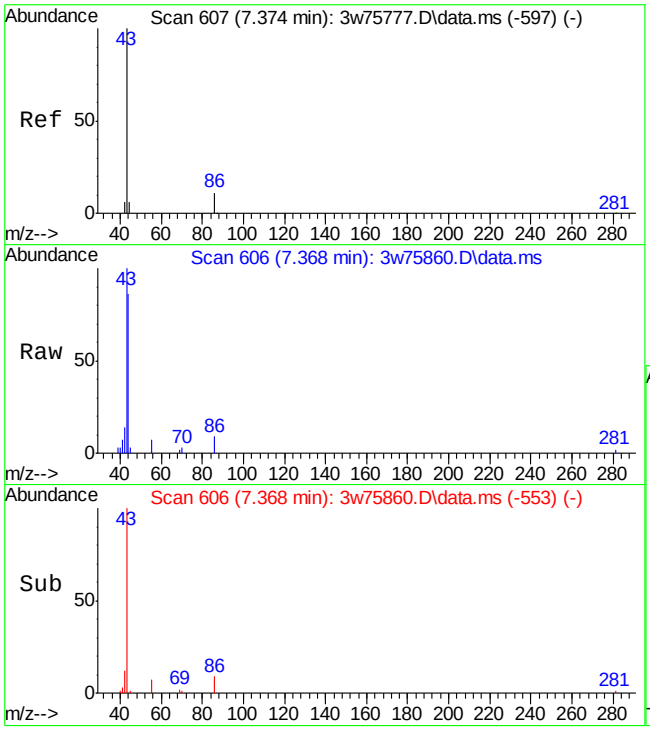


#38
HEXANE
Concen: 0.21 PPBV
RT: 8.153 min Scan# 735
Delta R.T. 0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 57 Resp: 5813

Ion	Ratio	Lower	Upper
57	100		
56	54.8	34.6	74.6
41	242.3	107.4	147.4#

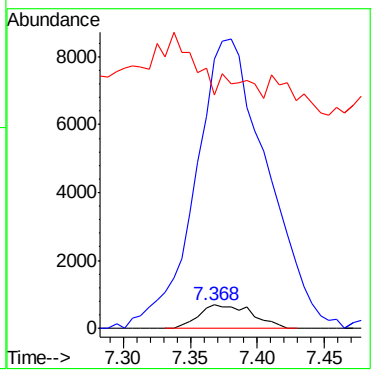


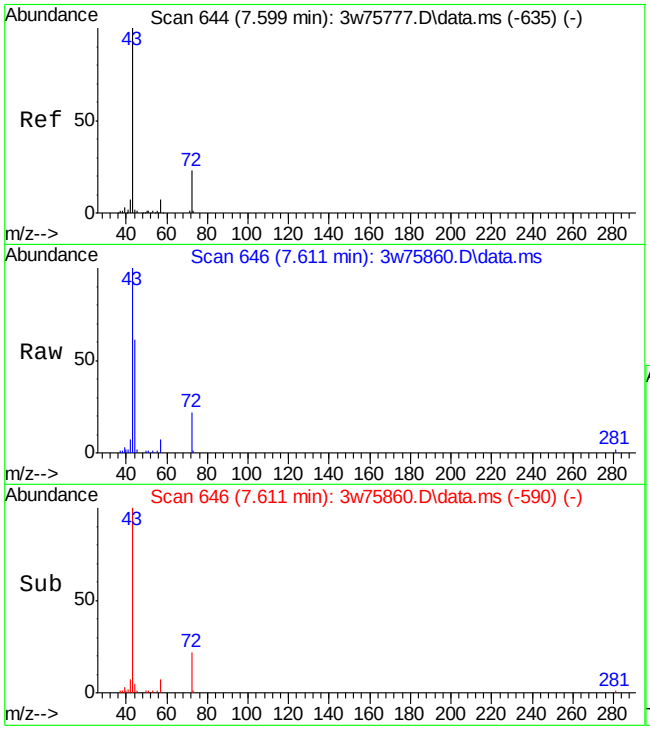


#39
VINYL ACETATE
Concen: 0.62 PPBV
RT: 7.368 min Scan# 606
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 86 Resp: 1914

Ion	Ratio	Lower	Upper
86	100		
43	1667.5	1267.8	1307.8#
44	0.0	43.5	83.5#

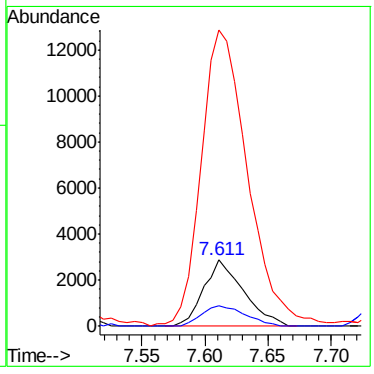


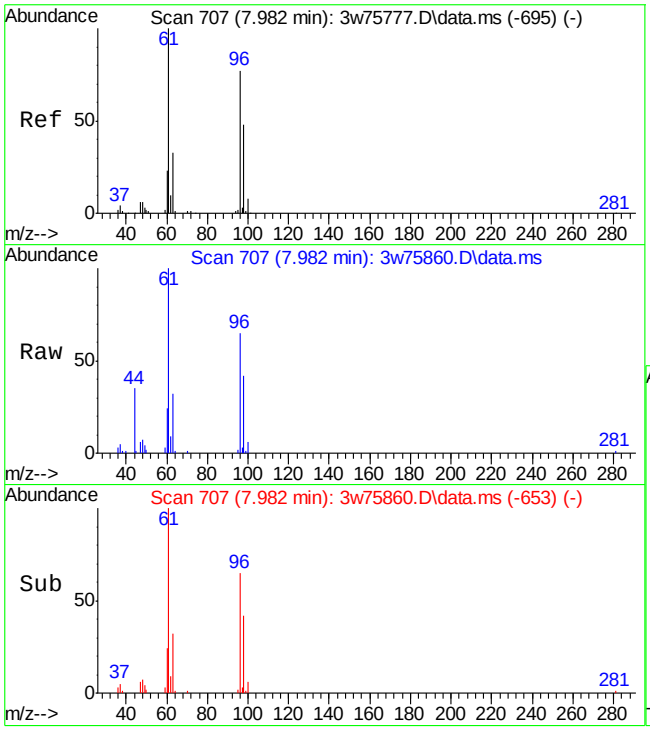


#41
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 7.611 min Scan# 646
Delta R.T. 0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 72 Resp: 6247

Ion	Ratio	Lower	Upper
72	100		
57	31.4	11.7	51.7
43	449.7	409.1	449.1#

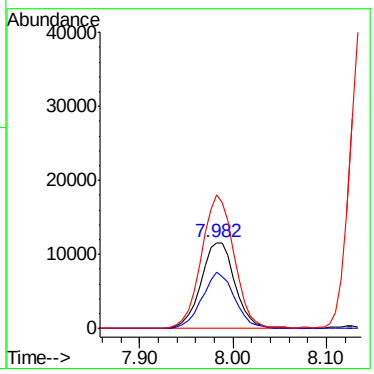


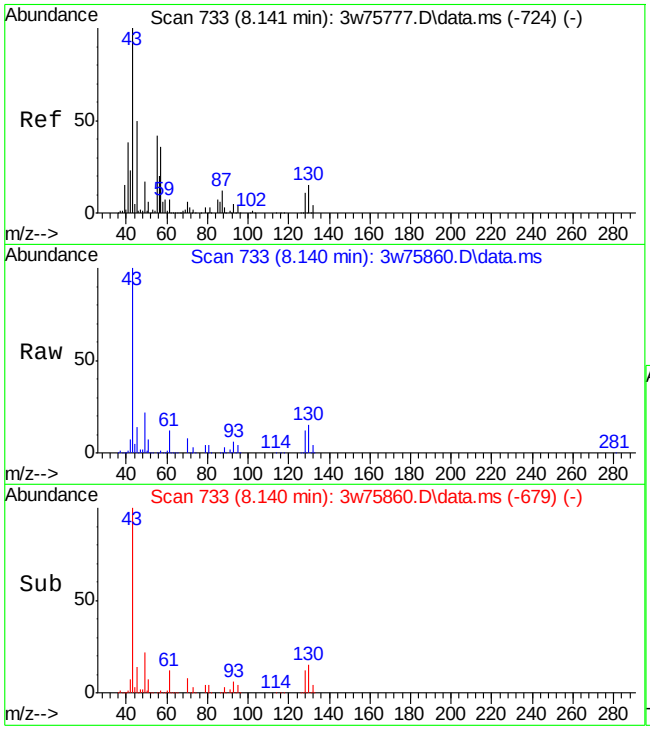


#42
cis-1,2-DICHLOROETHYLENE
Concen: 1.49 PPBV
RT: 7.982 min Scan# 707
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 96 Resp: 29414

Ion	Ratio	Lower	Upper
96	100		
98	62.3	43.0	83.0
61	149.6	112.4	152.4

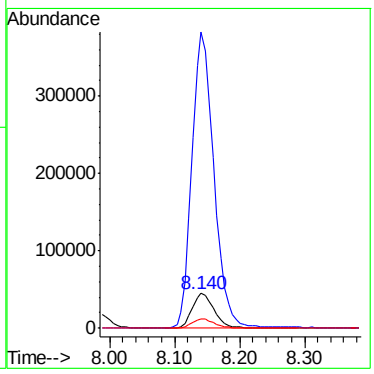


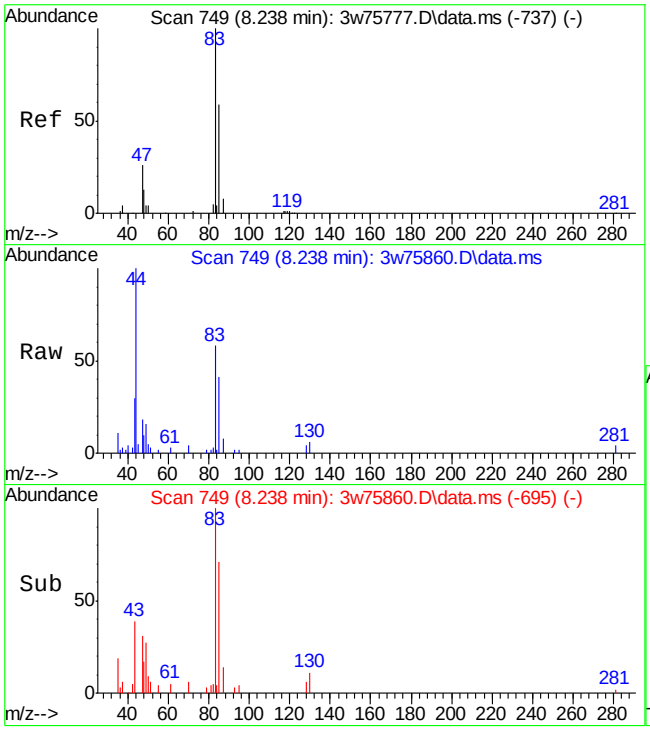


#44
ETHYL ACETATE
Concen: 18.02 PPBV
RT: 8.140 min Scan# 733
Delta R.T. -0.001 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 61 Resp: 105075

Ion	Ratio	Lower	Upper
61	100		
43	859.5	1591.1	1631.1#
88	25.5	23.8	63.8

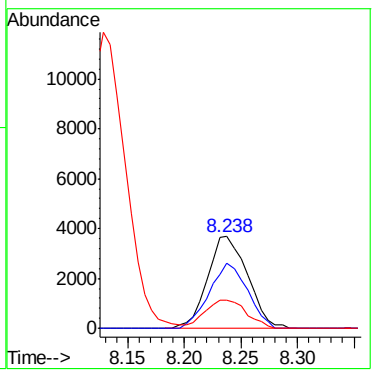


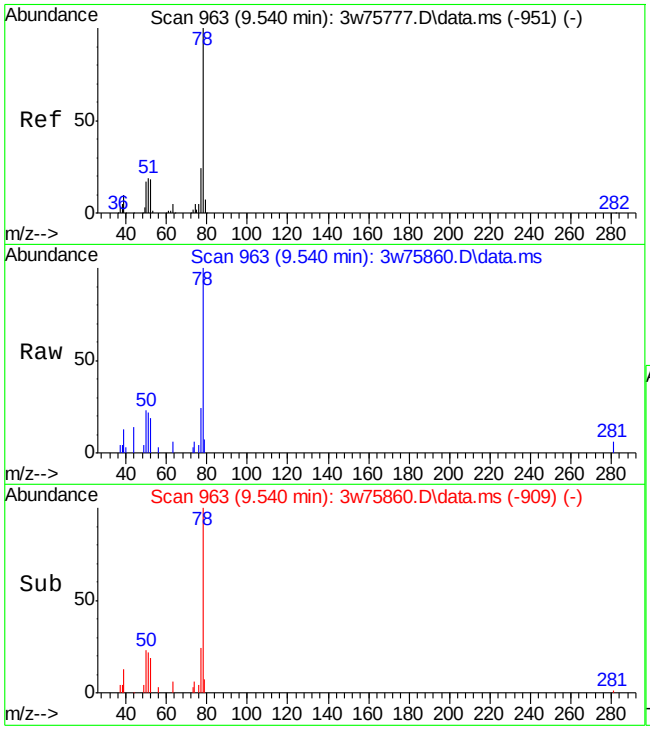


#46
CHLOROFORM
Concen: 0.21 PPBV
RT: 8.238 min Scan# 749
Delta R.T. -0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 83 Resp: 9034

Ion	Ratio	Lower	Upper
83	100		
85	67.6	45.8	85.8
47	31.9	6.1	46.1

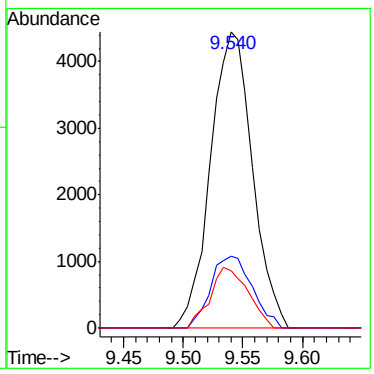


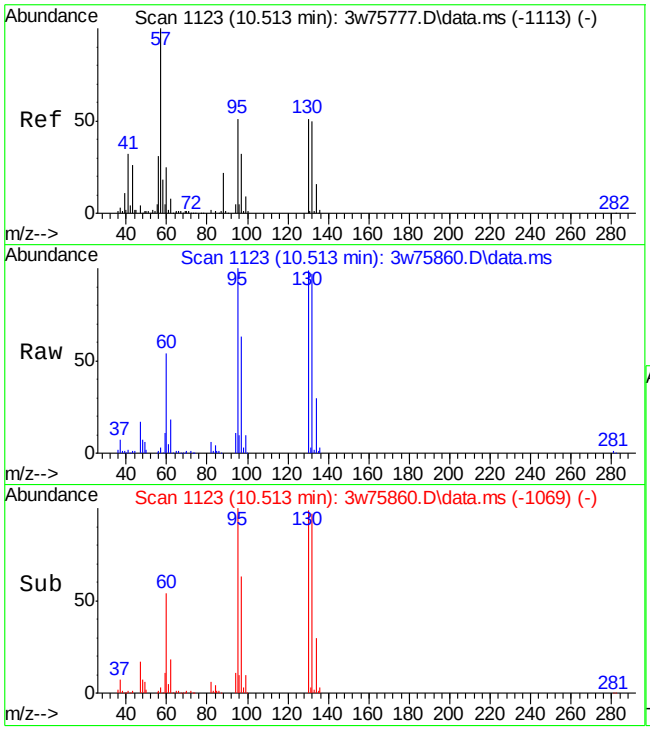


#52
BENZENE
Concen: 0.20 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 78 Resp: 10894

Ion	Ratio	Lower	Upper
78	100		
77	24.0	3.4	43.4
52	18.6	0.0	37.0

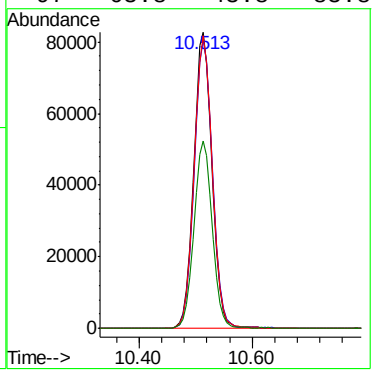


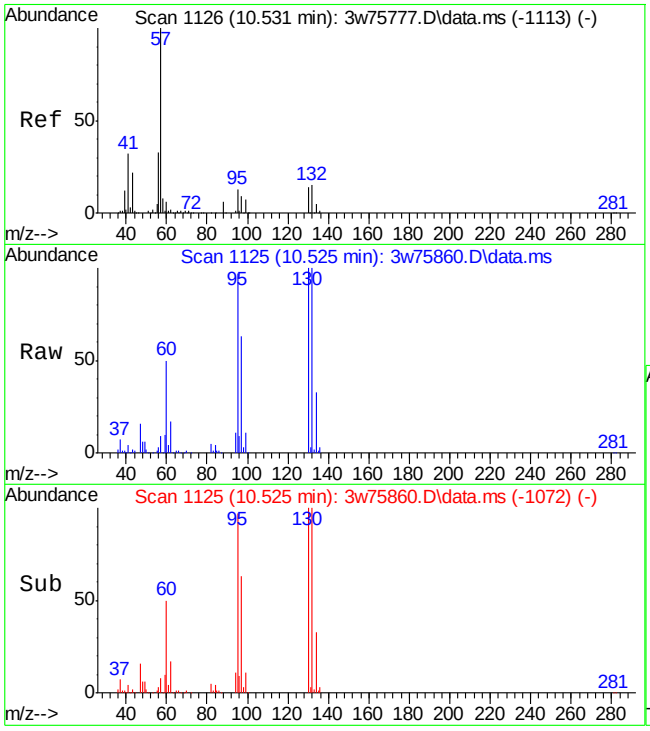


#55
TRICHLOROETHYLENE
Concen: 7.21 PPBV
RT: 10.513 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 95 Resp: 187898

Ion	Ratio	Lower	Upper
95	100		
132	98.4	78.7	118.7
130	98.8	80.9	120.9
97	63.8	43.8	83.8

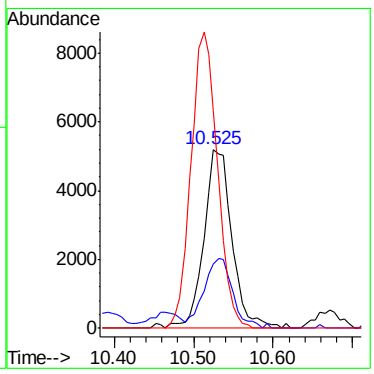


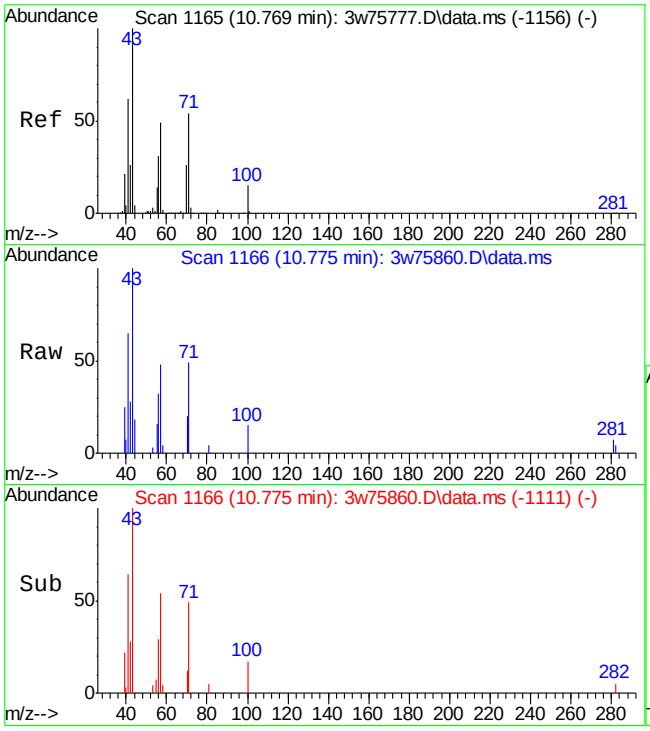


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.15 PPBV
RT: 10.525 min Scan# 1125
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 57 Resp: 12685

Ion	Ratio	Lower	Upper
57	100		
56	40.3	12.3	52.3
99	156.9	0.0	28.2#

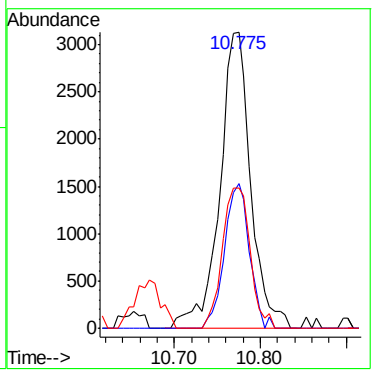


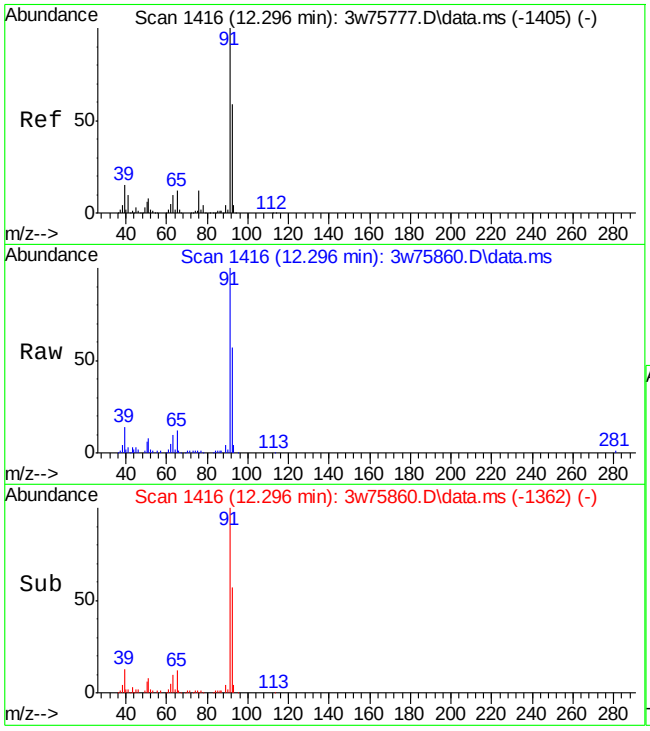


#62
HEPTANE
Concen: 0.23 PPBV
RT: 10.775 min Scan# 1166
Delta R.T. 0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 43 Resp: 7814

Ion	Ratio	Lower	Upper
43	100		
71	39.6	34.1	74.1
57	42.9	29.5	69.5

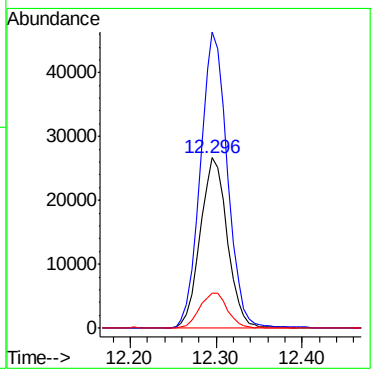


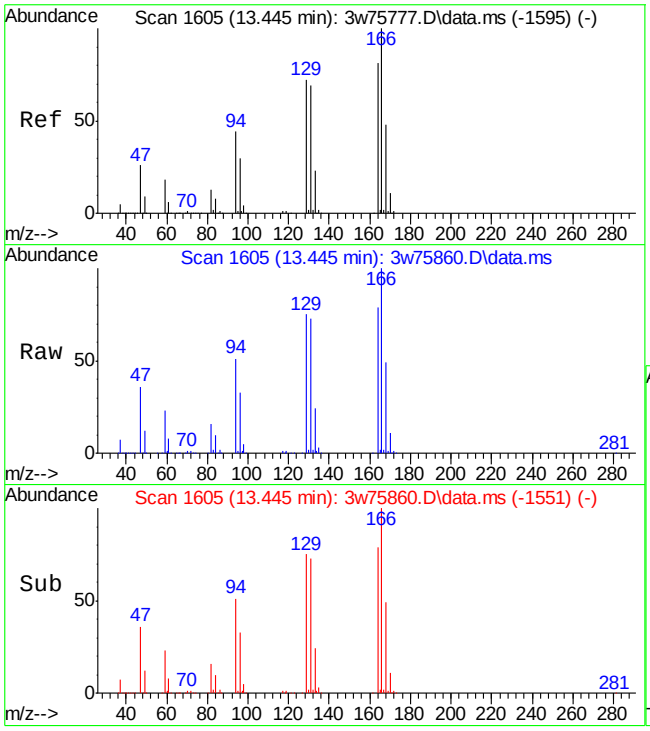


#66
TOLUENE
Concen: 1.51 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 92 Resp: 58286

Ion	Ratio	Lower	Upper
92	100		
91	173.5	150.3	190.3
65	21.0	2.5	42.5

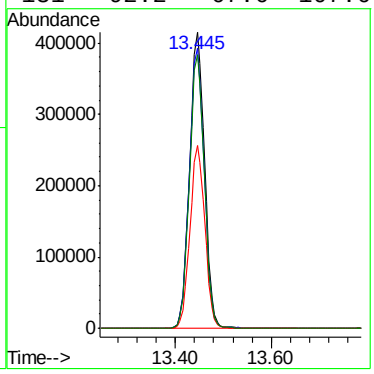


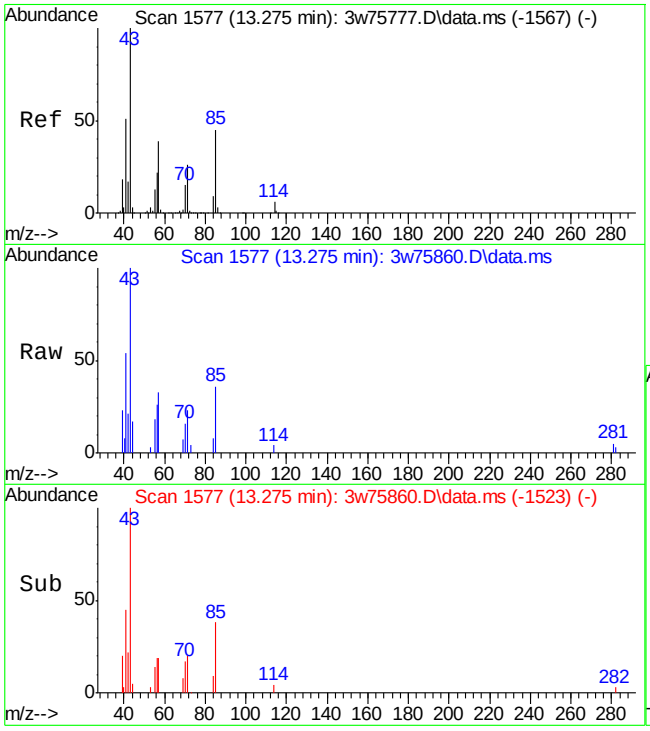


#73
TETRACHLOROETHYLENE
Concen: 30.04 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:164 Resp: 904244

Ion	Ratio	Lower	Upper
164	100		
129	94.2	69.5	109.5
168	61.6	40.9	80.9
131	92.2	67.6	107.6

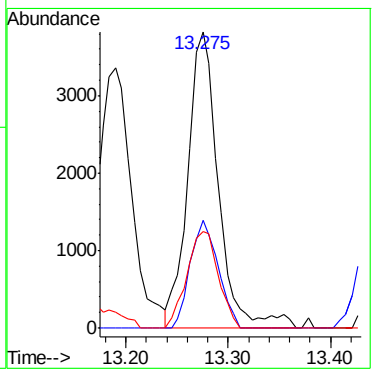


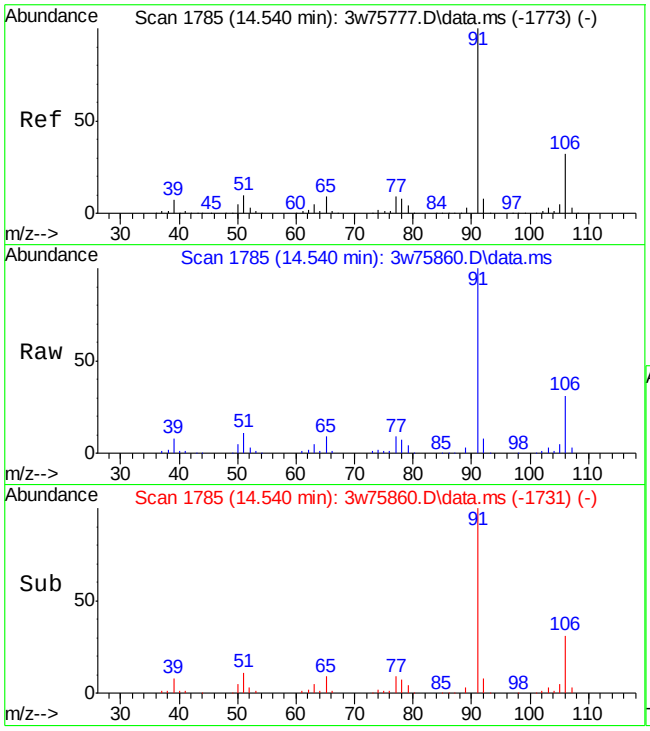


#76
OCTANE
Concen: 0.18 PPBV
RT: 13.275 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
85	33.3	24.9	64.9
57	33.4	18.0	58.0

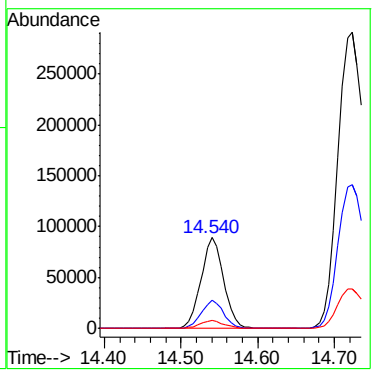


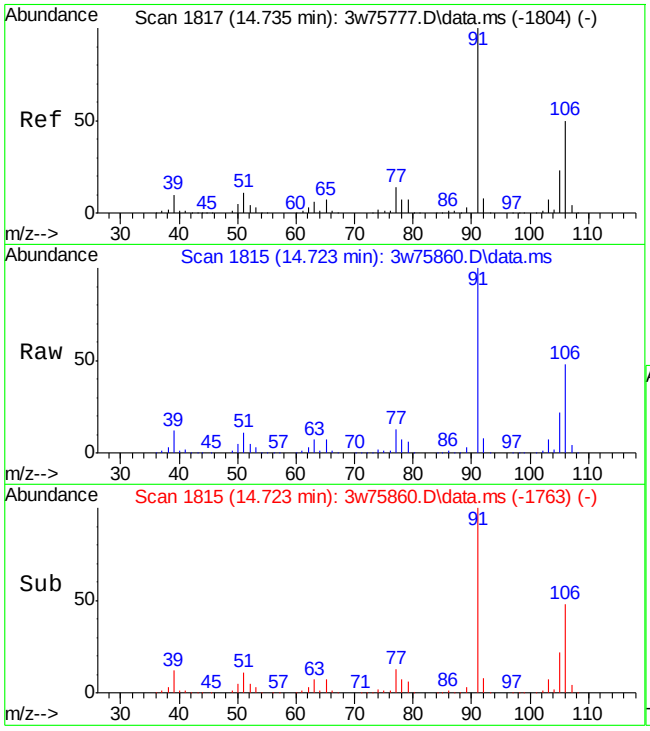


#79
ETHYLBENZENE
Concen: 2.18 PPBV
RT: 14.540 min Scan# 1785
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 91 Resp: 183135

Ion	Ratio	Lower	Upper
91	100		
106	30.6	11.8	51.8
77	8.8	0.0	28.7

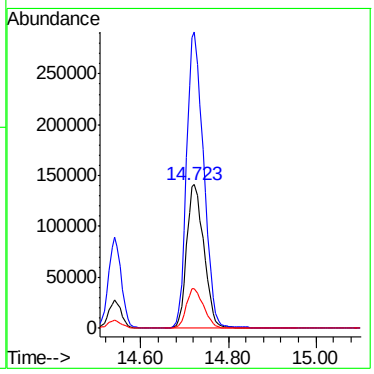


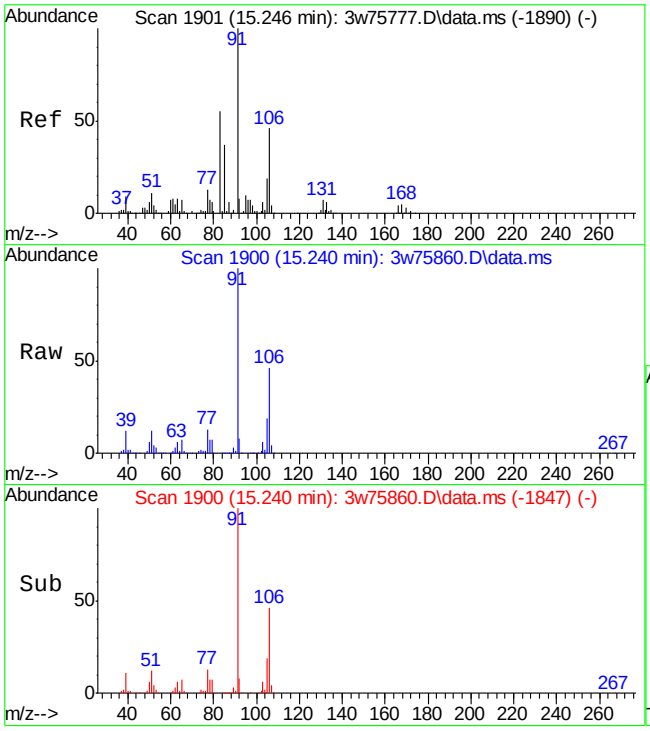


#80
m,p-XYLENE
Concen: 12.25 PPBV
RT: 14.723 min Scan# 1815
Delta R.T. -0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:106 Resp: 385209

Ion	Ratio	Lower	Upper
106	100		
91	206.6	181.0	221.0
77	27.8	7.1	47.1

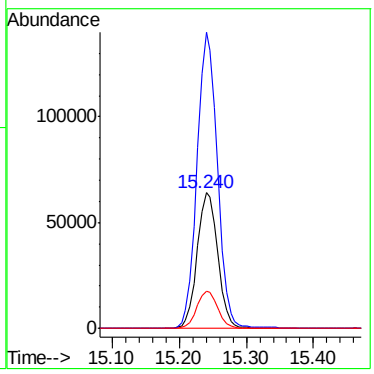


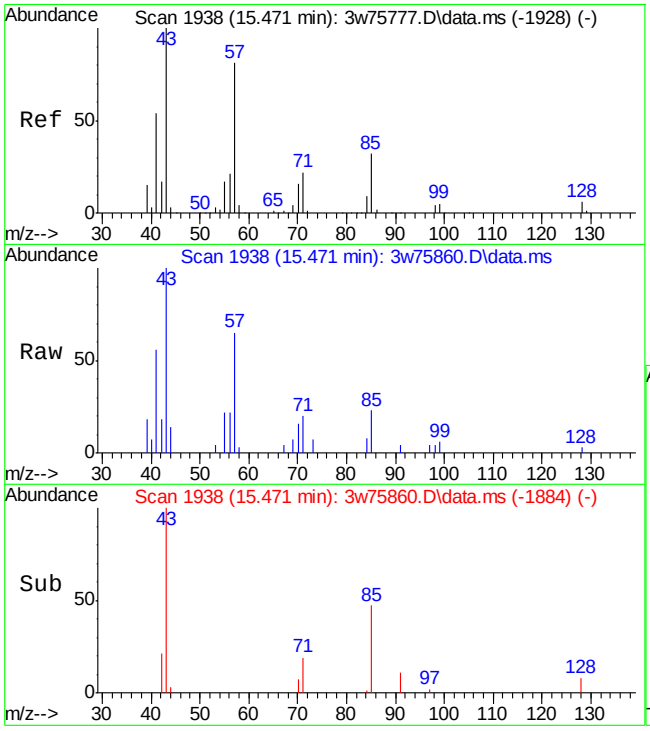


#81
o-XYLENE
Concen: 4.42 PPBV
RT: 15.240 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:106 Resp: 136147

Ion	Ratio	Lower	Upper
106	100		
91	215.8	195.6	235.6
77	27.5	7.0	47.0

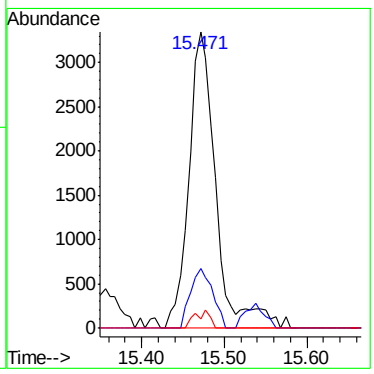


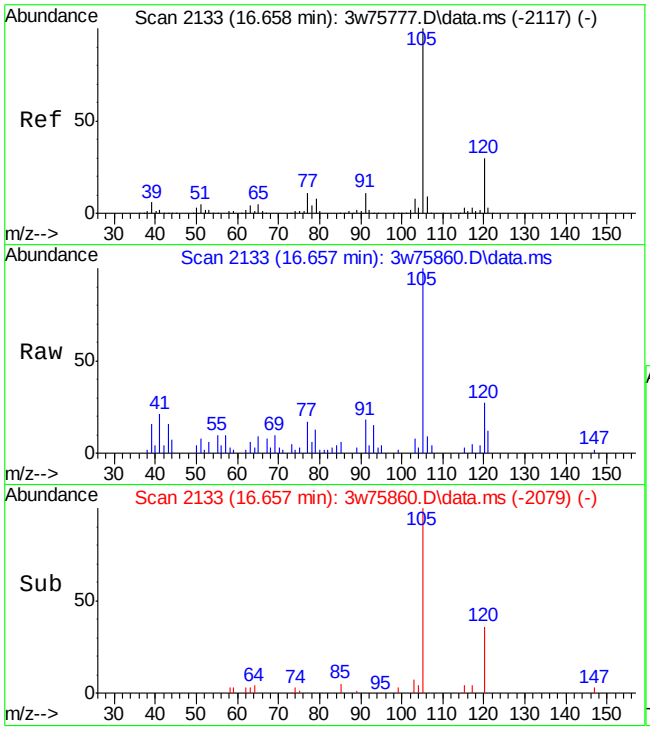


#83
NONANE
Concen: 0.17 PPBV
RT: 15.471 min Scan# 1938
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion: 43 Resp: 7539

Ion	Ratio	Lower	Upper
43	100		
71	16.6	2.4	42.4
128	3.4	0.0	25.9

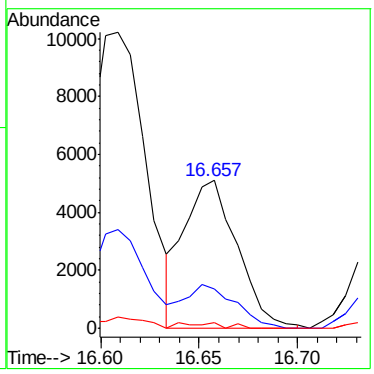


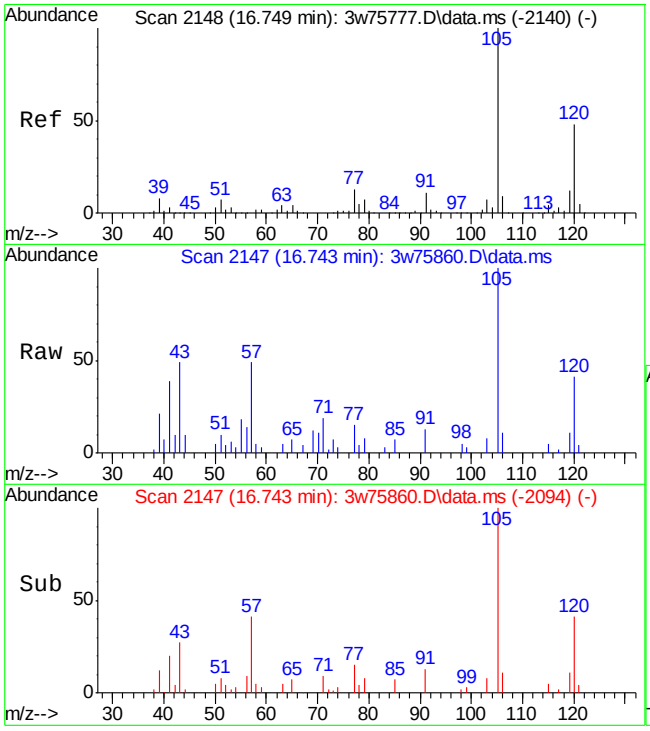


#92
4-ETHYLTOLUENE
Concen: 0.11 PPBV m
RT: 16.657 min Scan# 2133
Delta R.T. -0.001 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:105 Resp: 9623

Ion	Ratio	Lower	Upper
105	100		
120	71.8	9.9	49.9#
119	7.0	0.0	22.4

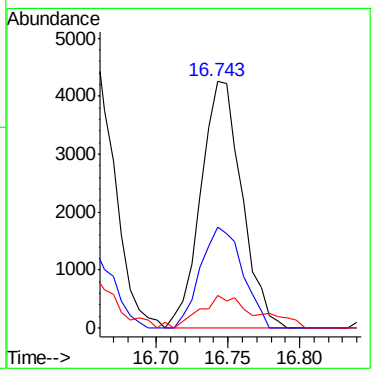


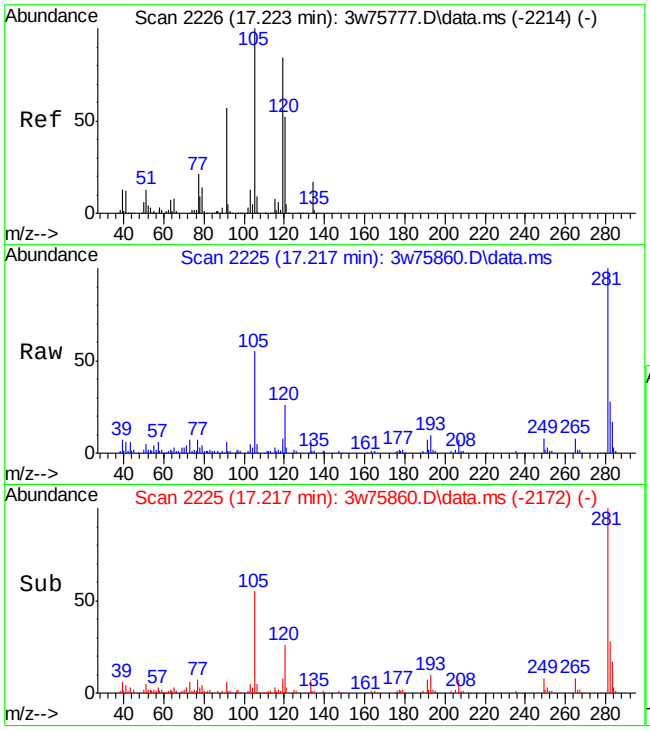


#93
1,3,5-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 16.743 min Scan# 2147
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:105 Resp: 8520

Ion	Ratio	Lower	Upper
105	100		
120	42.1	28.4	68.4
91	17.6	0.0	30.9

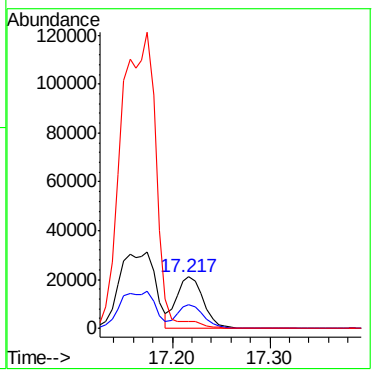


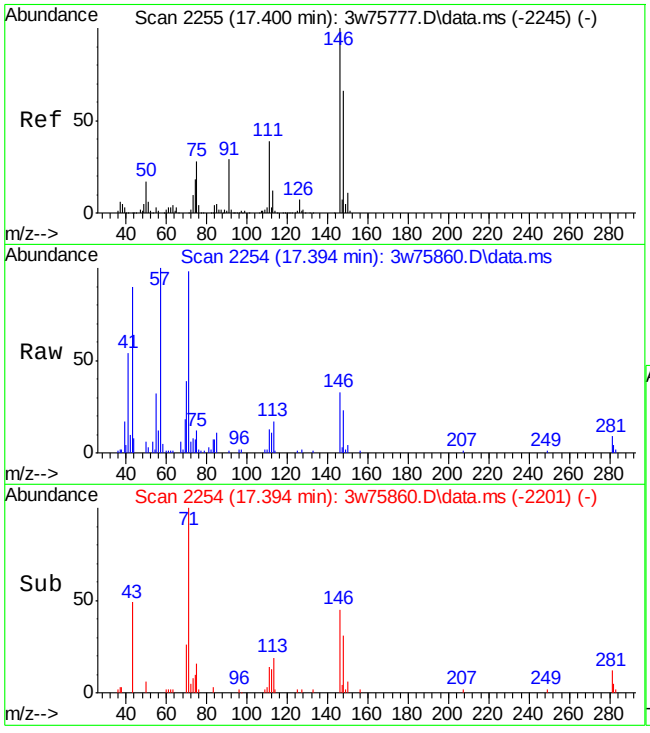


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.56 PPBV
RT: 17.217 min Scan# 2225
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:105 Resp: 40596

Ion	Ratio	Lower	Upper
105	100		
120	44.6	35.1	75.1
119	0.0	92.4	132.4#

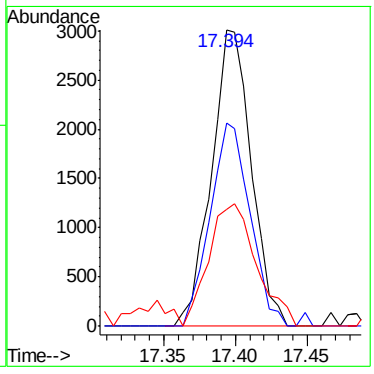


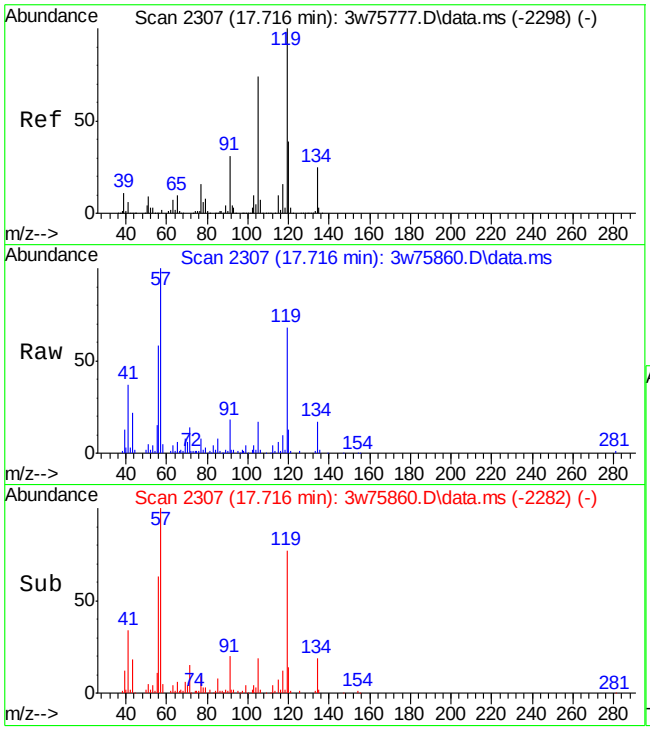


#97
m-DICHLOROBENZENE
Concen: 0.13 PPBV
RT: 17.394 min Scan# 2254
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:146 Resp: 5842

Ion	Ratio	Lower	Upper
146	100		
148	68.6	45.3	85.3
111	49.6	19.0	59.0

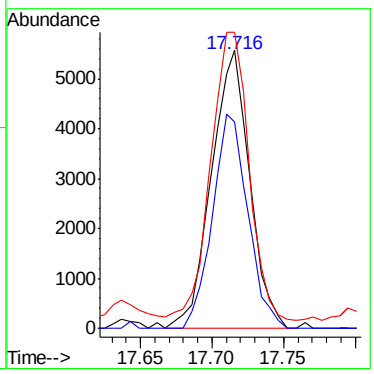


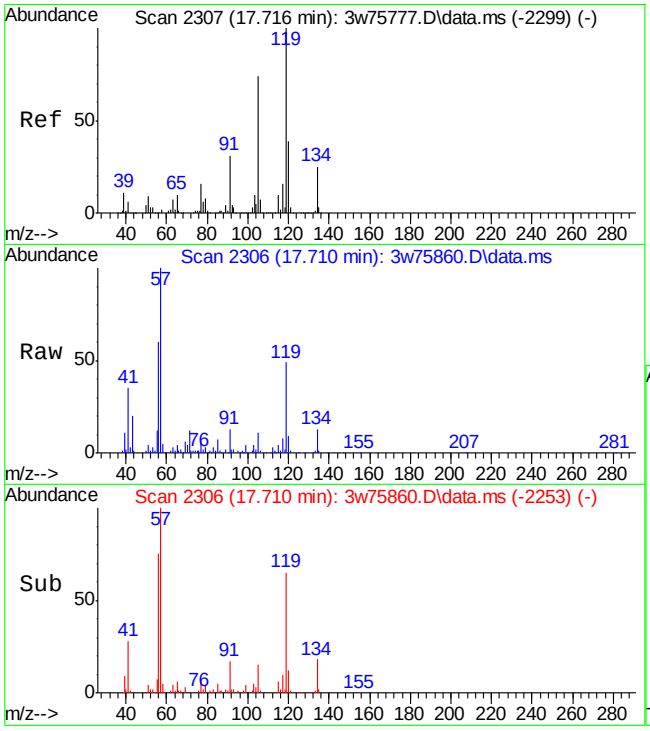


#101
1,2,3-Trimethylbenzene
Concen: 0.14 PPBV
RT: 17.716 min Scan# 2307
Delta R.T. 0.000 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:105 Resp: 10329

Ion	Ratio	Lower	Upper
105	100		
120	71.6	31.8	71.8
91	110.3	19.7	59.7#

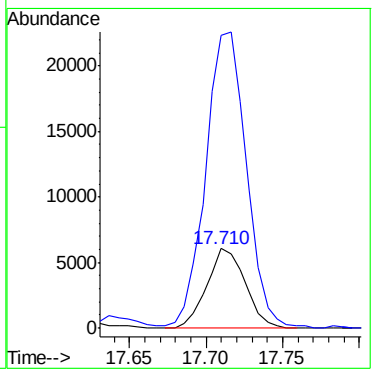


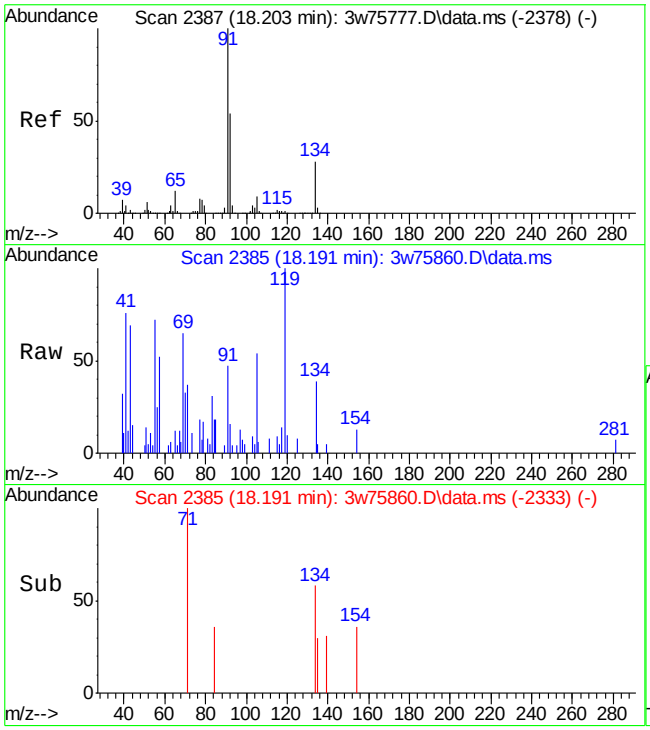


#102
p-ISOPROPYLTOLUENE
Concen: 0.44 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:134 Resp: 10523

Ion	Ratio	Lower	Upper
134	100		
119	398.0	0.0	23.9#

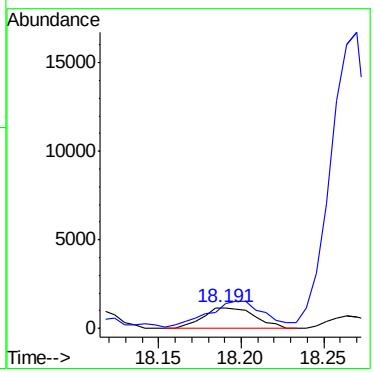




#104
n-BUTYLBENZENE
Concen: 0.12 PPBV
RT: 18.191 min Scan# 2385
Delta R.T. -0.012 min
Lab File: 3w75860.D
Acq: 27 Apr 2022 2:12 am

Tgt Ion:134 Resp: 2508

Ion	Ratio	Lower	Upper
134	100		
91	127.0	33.5	73.5#



Manual Integration Approval Summary

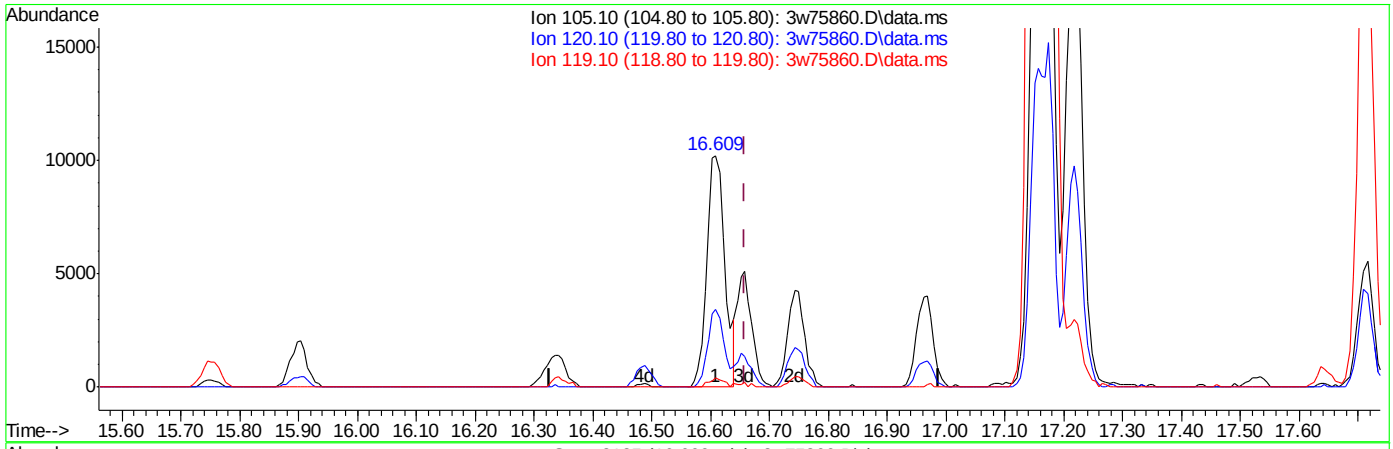
Sample Number:	JD42150-13	**Method:**	TO-15
Lab FileID:	3W75860.D	**Analyst approved:**	04/29/22 14:02 Benjamin Kim
Injection Time:	04/27/22 02:12	**Supervisor approved:**	04/29/22 14:43 Kanya Veerawat

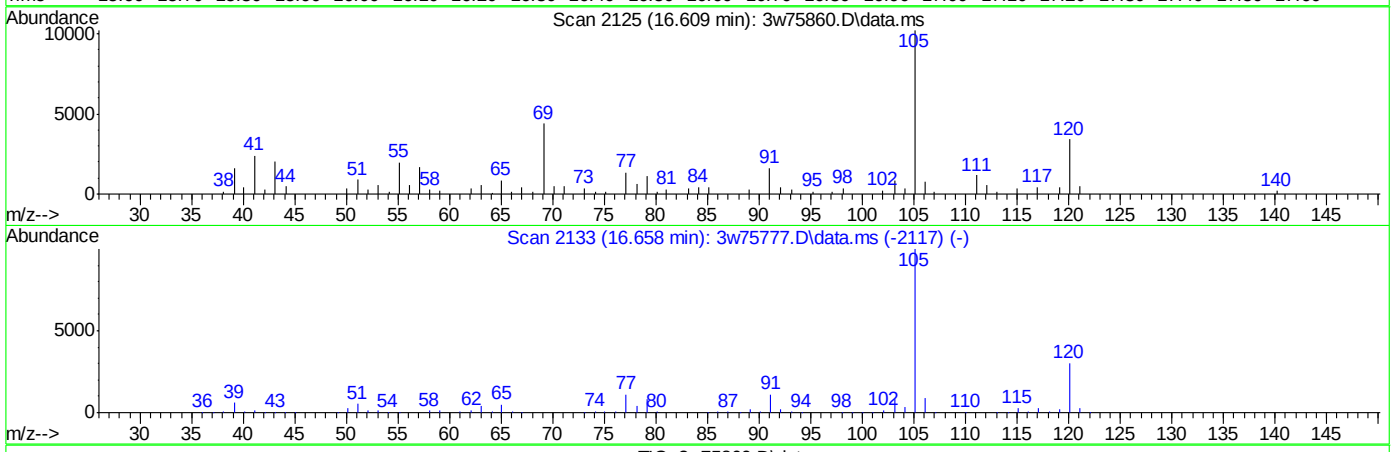
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Ethyltoluene	622-96-8		16.66	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75860.D
Acq On : 27 Apr 2022 2:12 am
Operator : thomash
Sample : jd42150-13
Misc : MS57846,V3W2984,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 00:01:12 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75860.D\data.ms

(92) 4-ETHYLTOLUENE

16.609min (-0.049) 0.25PPBV

response 21918

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	31.52
119.10	2.40	3.06
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75861.D
Acq On : 27 Apr 2022 2:53 am
Operator : thomash
Sample : jd42150-14
Misc : MS57846,V3W2984,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 14:49:48 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

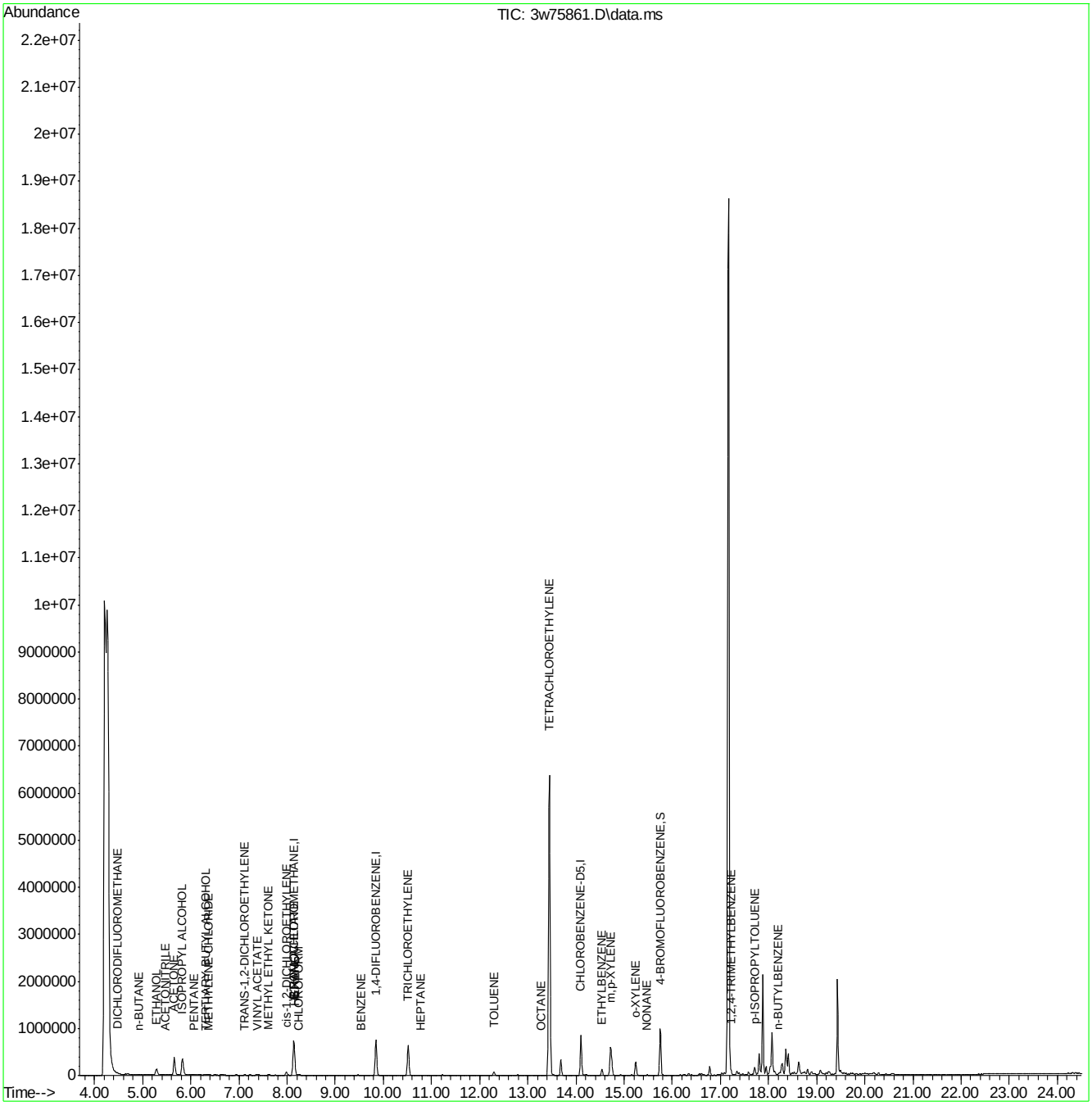
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.134	128	140074	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	707163	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	327239	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	396049	11.39	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.90%				
Target Compounds							Qvalue
6) DICHLORODIFLUOROMETHANE	4.472	85	6739	0.10	PPBV		96
13) n-BUTANE	4.910	43	4782	0.18	PPBV	#	91
17) ACETONITRILE	5.470	41	2439	0.27	PPBV	#	74
22) ISOPROPYL ALCOHOL	5.823	45	591650	15.27	PPBV		99
23) ACETONE	5.652	58	140710	14.88	PPBV	#	91
24) PENTANE	6.054	42	2920	0.14	PPBV		94
28) ETHANOL	5.287	45	205532	26.51	PPBV		98
31) METHYLENE CHLORIDE	6.370	84	5742	0.31	PPBV		86
34) TRANS-1,2-DICHLOROETHY...	7.112	96	2309	0.11	PPBV		92
35) TERTIARY BUTYL ALCOHOL	6.303	59	14042	0.36	PPBV		74
38) HEXANE	8.153	57	4608	0.16	PPBV	#	53
39) VINYL ACETATE	7.374	86	1910	0.58	PPBV	#	77
41) METHYL ETHYL KETONE	7.617	72	6520	0.71	PPBV	#	61
42) cis-1,2-DICHLOROETHYLENE	7.988	96	34413	1.65	PPBV		92
44) ETHYL ACETATE	8.147	61	64875	10.55	PPBV	#	1
46) CHLOROFORM	8.238	83	10509	0.23	PPBV		95
52) BENZENE	9.540	78	6559	0.11	PPBV		99
55) TRICHLOROETHYLENE	10.513	95	250162	8.83	PPBV		99
62) HEPTANE	10.775	43	4455	0.12	PPBV		82
66) TOLUENE	12.302	92	36175	0.86	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	1691283	54.77	PPBV		95
76) OCTANE	13.275	43	5667	0.13	PPBV		85
79) ETHYLBENZENE	14.540	91	119019	1.38	PPBV		98
80) m,p-XYLENE	14.723	106	269853	8.37	PPBV		96
81) o-XYLENE	15.240	106	99764	3.16	PPBV		99
83) NONANE	15.471	43	7189	0.16	PPBV		86
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	32061	0.43	PPBV	#	25
102) p-ISOPROPYLTOLUENE	17.716	134	11864	0.48	PPBV	#	1
104) n-BUTYLBENZENE	18.197	134	2264	0.10	PPBV	#	1

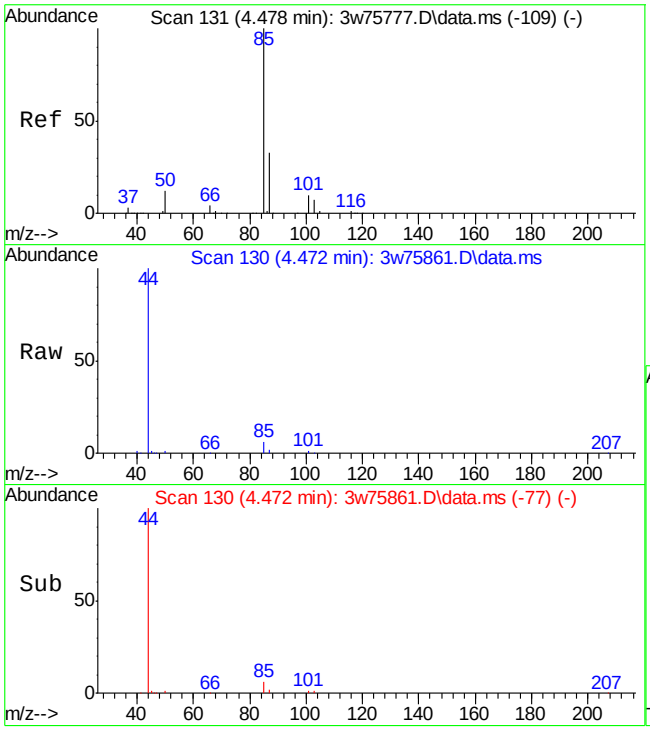
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75861.D
Acq On : 27 Apr 2022 2:53 am
Operator : thomash
Sample : jd42150-14
Misc : MS57846,V3W2984,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 14:49:48 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

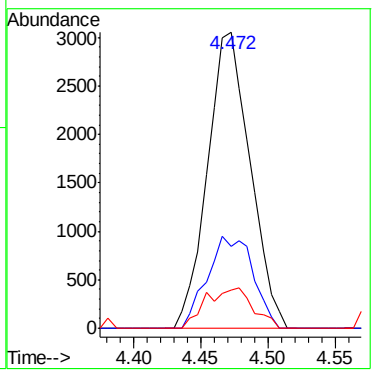


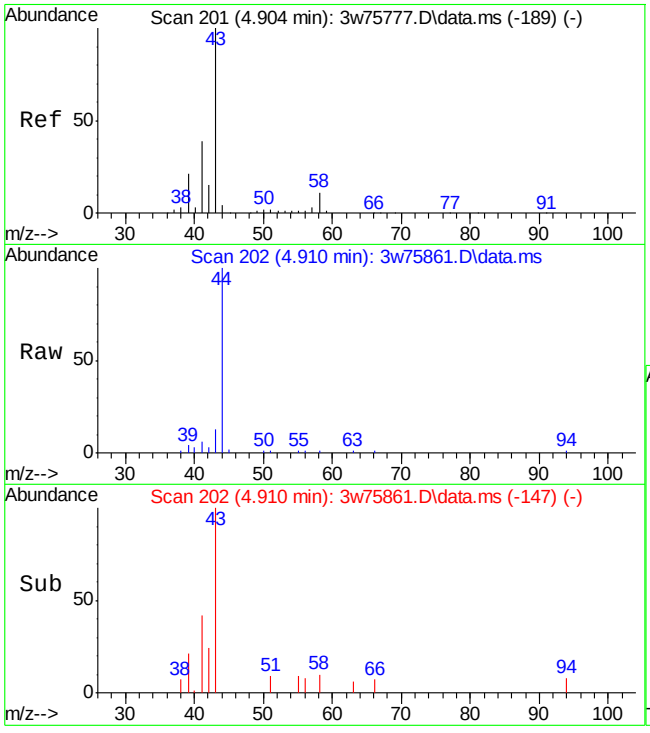


#6
DICHLORODIFLUOROMETHANE
Concen: 0.10 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 85 Resp: 6739

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.5	52.5
50	15.1	0.0	30.4

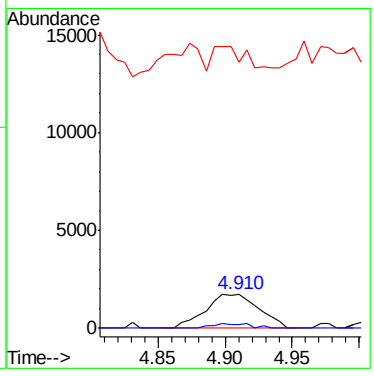


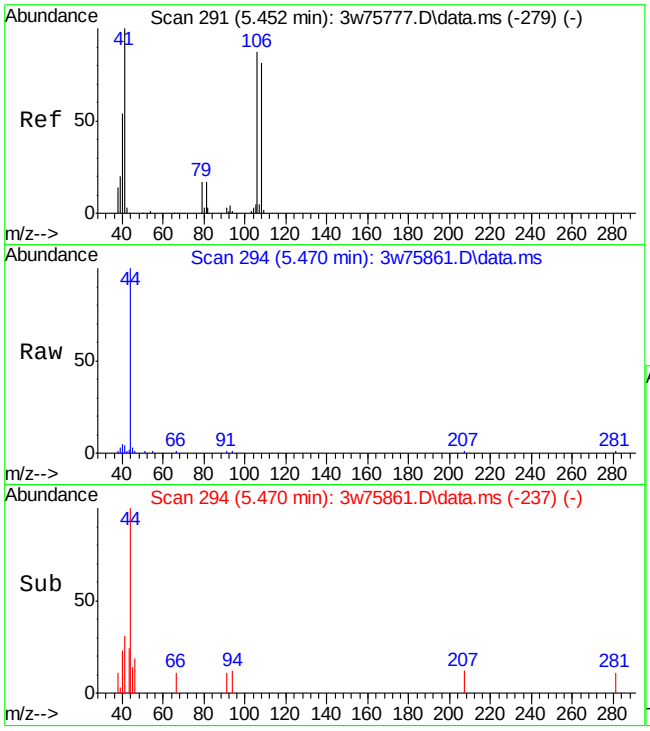


#13
n-BUTANE
Concen: 0.18 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 43 Resp: 4782

Ion	Ratio	Lower	Upper
43	100		
58	8.8	0.0	31.2
44	0.0	0.0	24.6

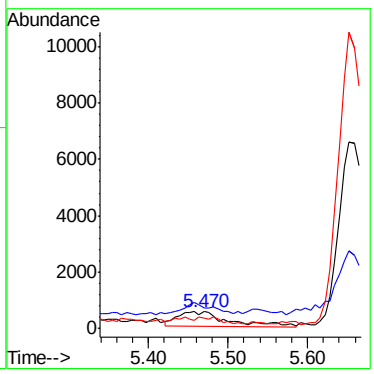


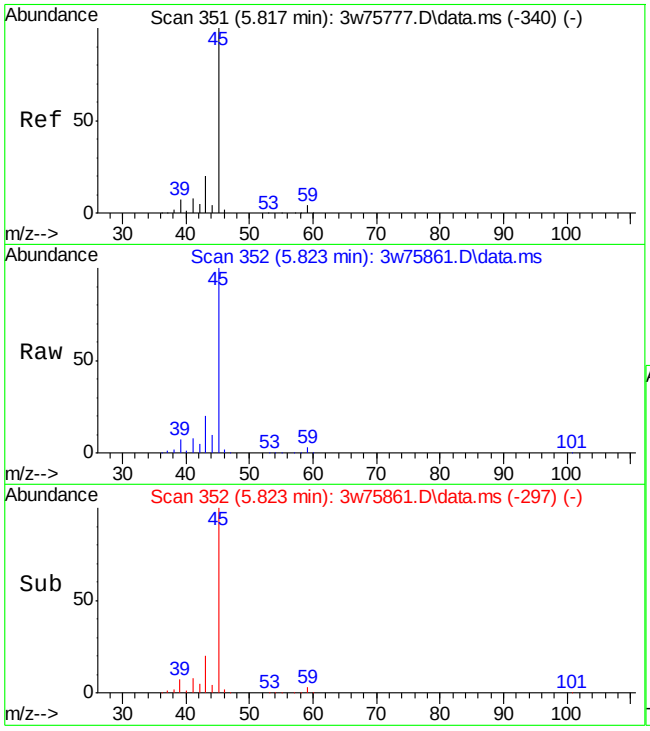


#17
ACETONITRILE
Concen: 0.27 PPBV
RT: 5.470 min Scan# 294
Delta R.T. 0.018 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 41 Resp: 2439

Ion	Ratio	Lower	Upper
41	100		
40	41.8	44.3	66.5#
39	0.0	16.2	24.4#

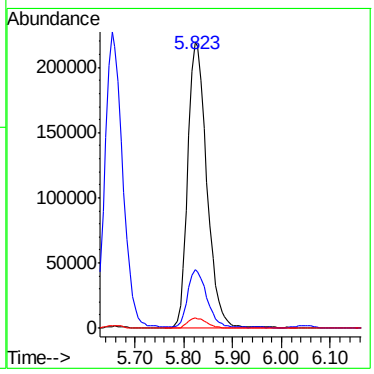


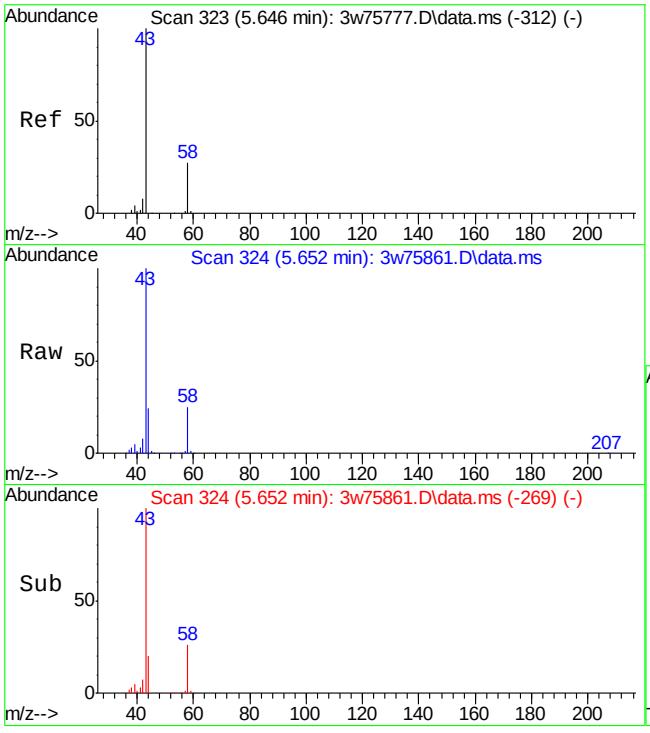


#22
ISOPROPYL ALCOHOL
Concen: 15.27 PPBV
RT: 5.823 min Scan# 352
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 45 Resp: 591650

Ion	Ratio	Lower	Upper
45	100		
43	20.4	0.7	40.7
59	3.5	0.0	23.6

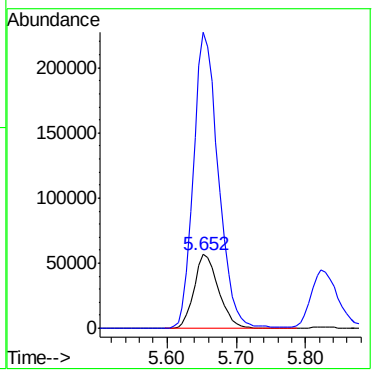


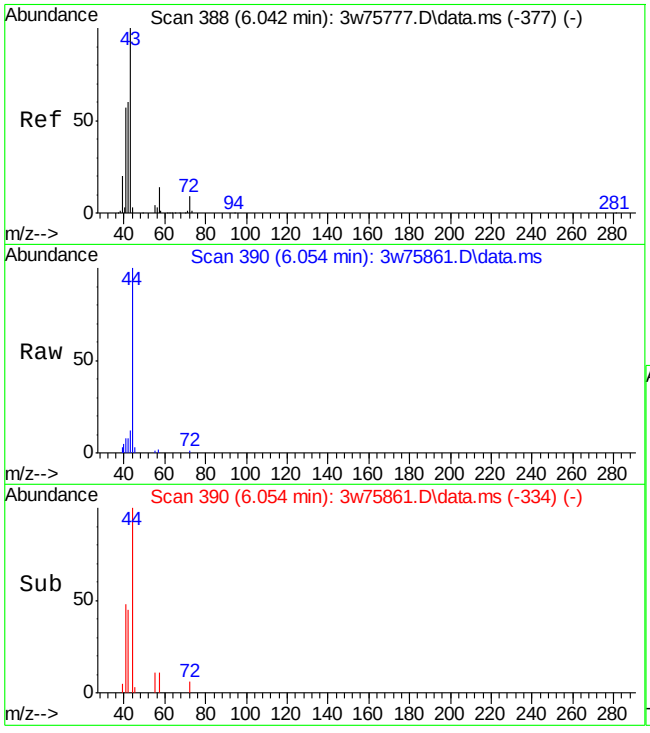


#23
ACETONE
Concen: 14.88 PPBV
RT: 5.652 min Scan# 324
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 58 Resp: 140710

Ion	Ratio	Lower	Upper
58	100		
43	404.2	362.9	402.9#

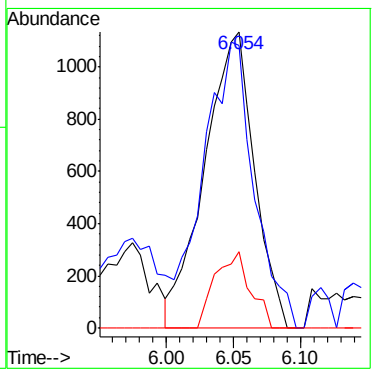


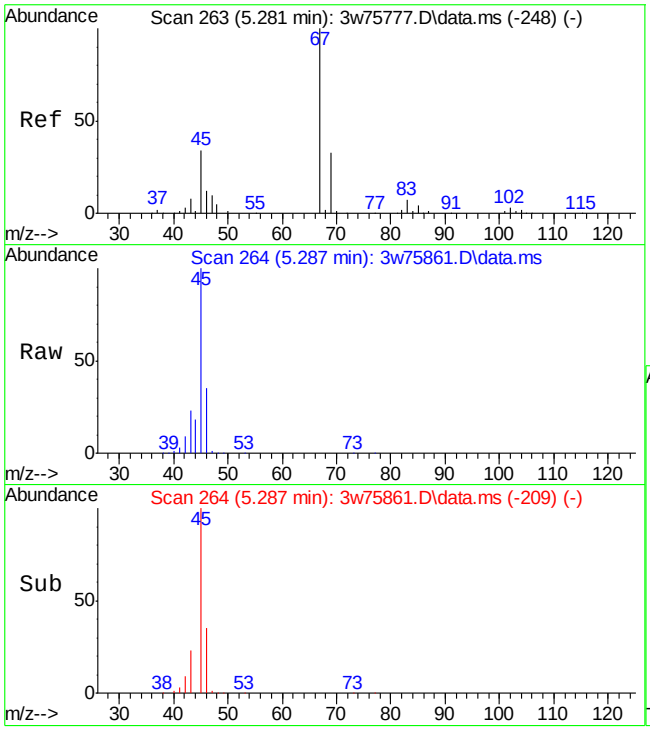


#24
PENTANE
Concen: 0.14 PPBV
RT: 6.054 min Scan# 390
Delta R.T. 0.012 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 42 Resp: 2920

Ion	Ratio	Lower	Upper
42	100		
41	97.4	73.3	113.3
57	18.3	4.4	44.4

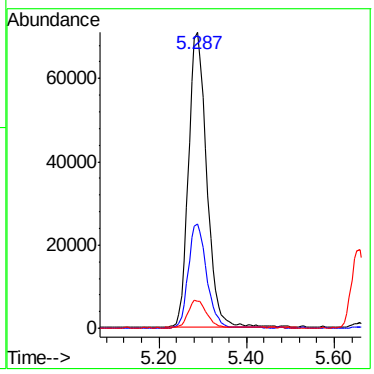


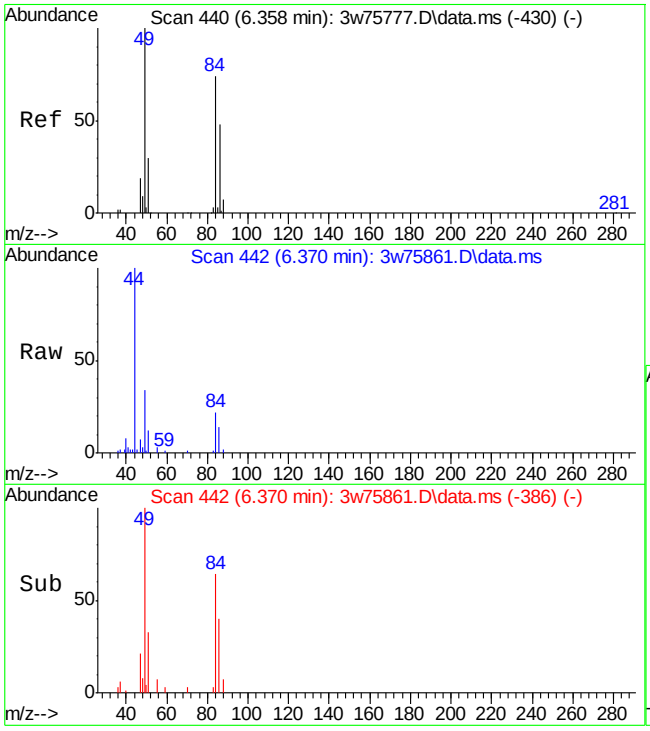


#28
ETHANOL
Concen: 26.51 PPBV
RT: 5.287 min Scan# 264
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 45 Resp: 205532

Ion	Ratio	Lower	Upper
45	100		
46	36.4	14.9	54.9
42	10.8	0.0	30.1

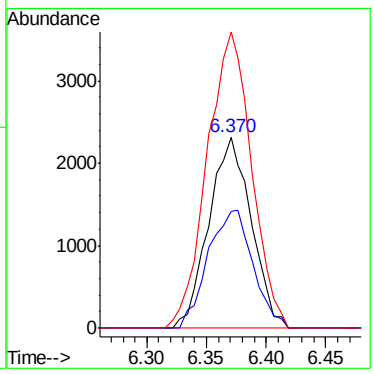


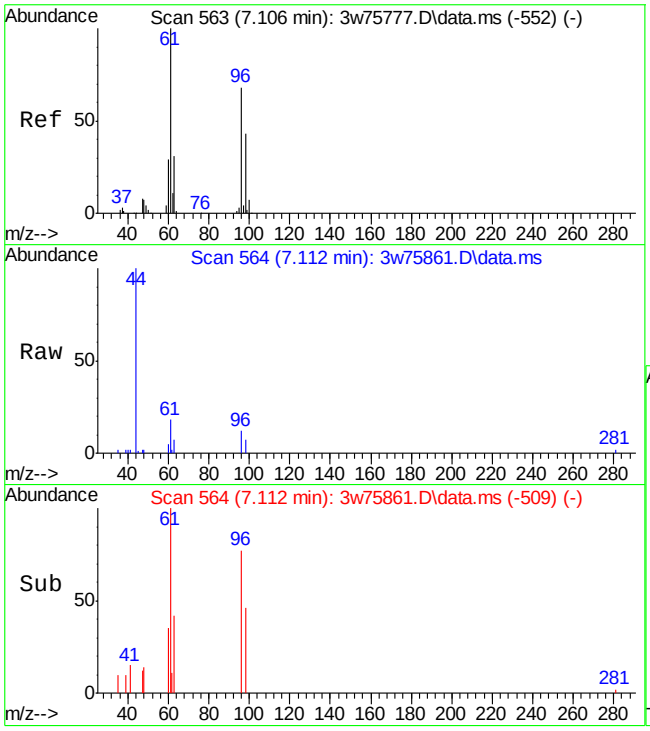


#31
METHYLENE CHLORIDE
Concen: 0.31 PPBV
RT: 6.370 min Scan# 442
Delta R.T. 0.012 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 84 Resp: 5742

Ion	Ratio	Lower	Upper
84	100		
86	65.6	45.6	85.6
49	162.6	0.0	337.9

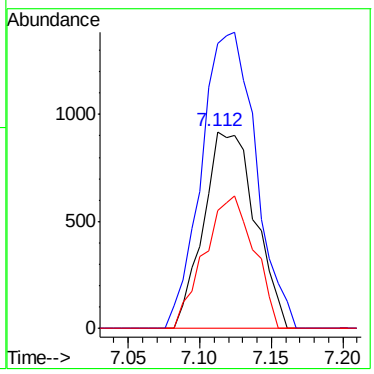


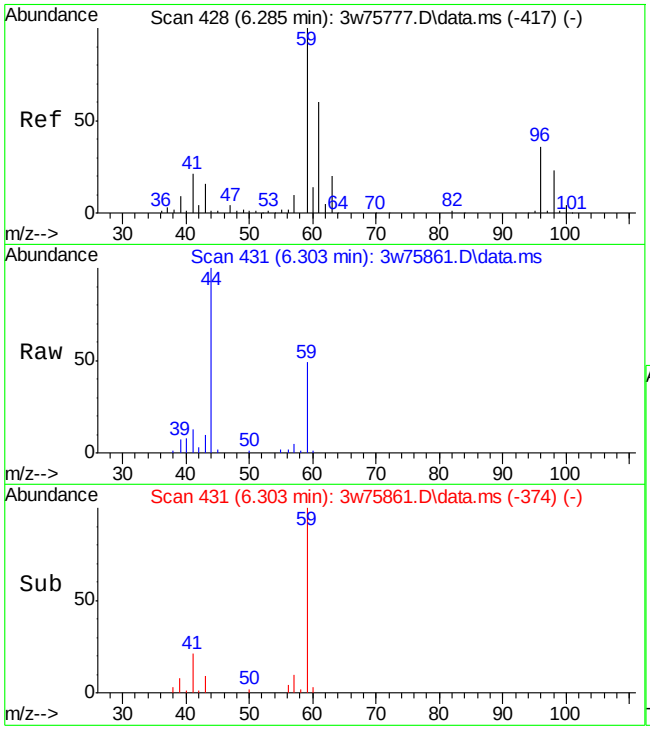


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.11 PPBV
RT: 7.112 min Scan# 564
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 96 Resp: 2309

Ion	Ratio	Lower	Upper
96	100		
61	157.9	125.4	165.4
98	64.7	42.9	82.9

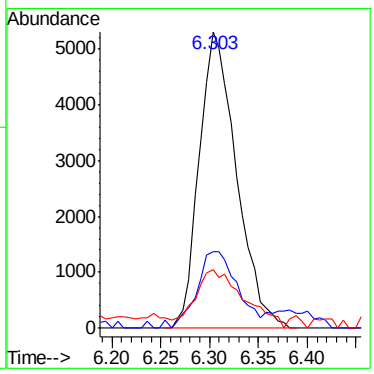


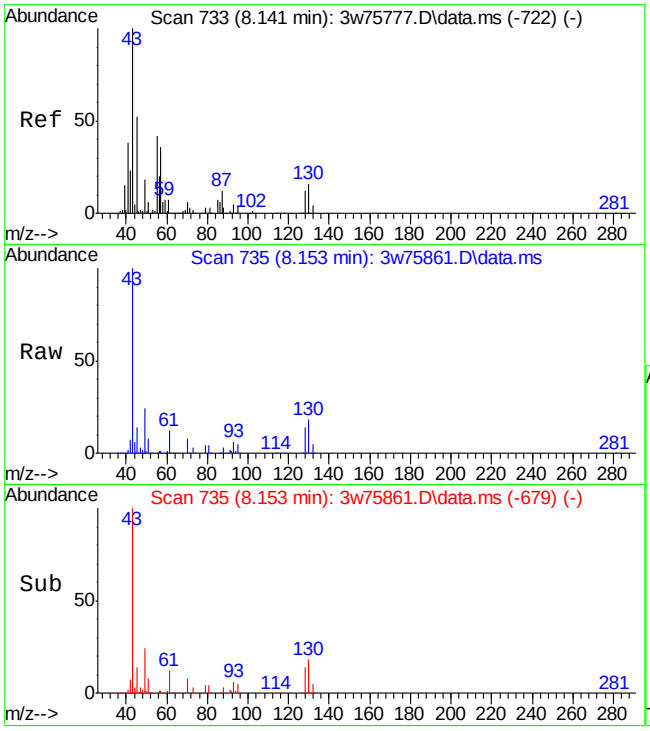


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.36 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 59 Resp: 14042

Ion	Ratio	Lower	Upper
59	100		
41	35.3	2.3	42.3
43	25.8	0.0	35.9

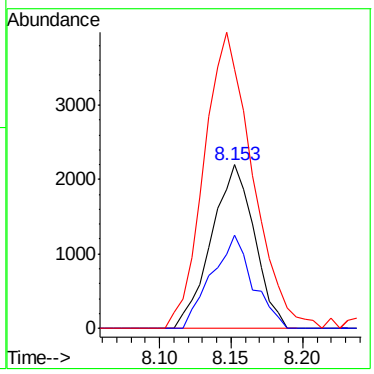


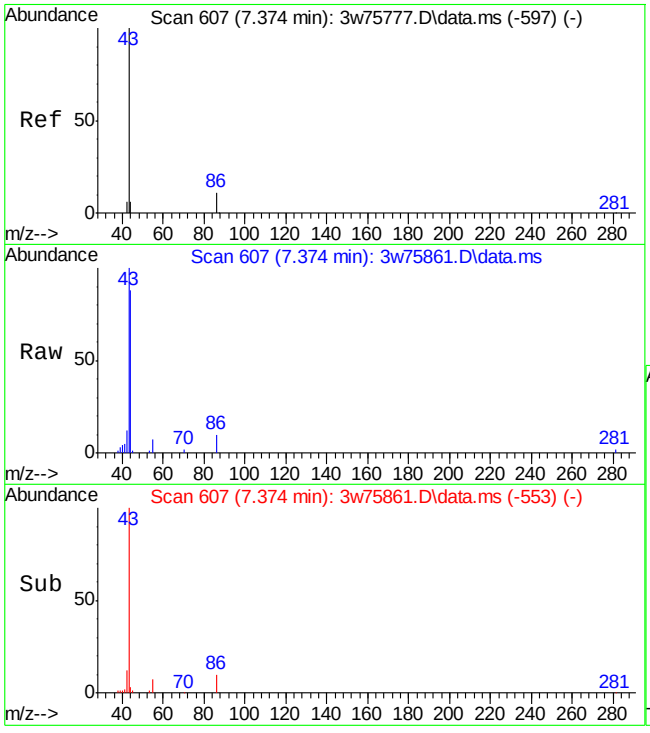


#38
HEXANE
Concen: 0.16 PPBV
RT: 8.153 min Scan# 735
Delta R.T. 0.012 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 57 Resp: 4608

Ion	Ratio	Lower	Upper
57	100		
56	54.6	34.6	74.6
41	203.9	107.4	147.4#

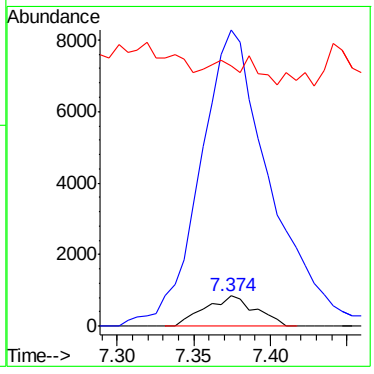


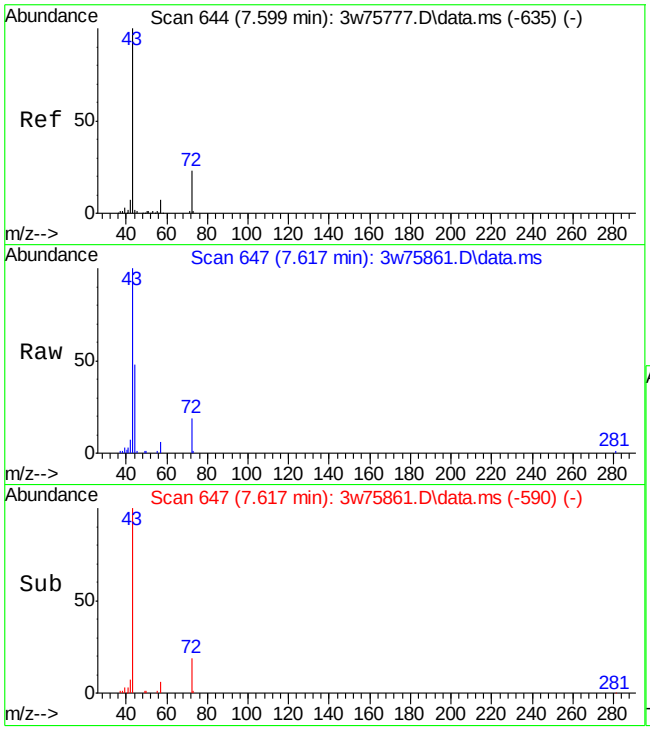


#39
VINYL ACETATE
Concen: 0.58 PPBV
RT: 7.374 min Scan# 607
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 86 Resp: 1910

Ion	Ratio	Lower	Upper
86	100		
43	1397.0	1267.8	1307.8#
44	0.0	43.5	83.5#

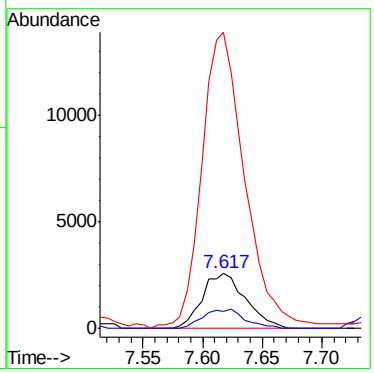


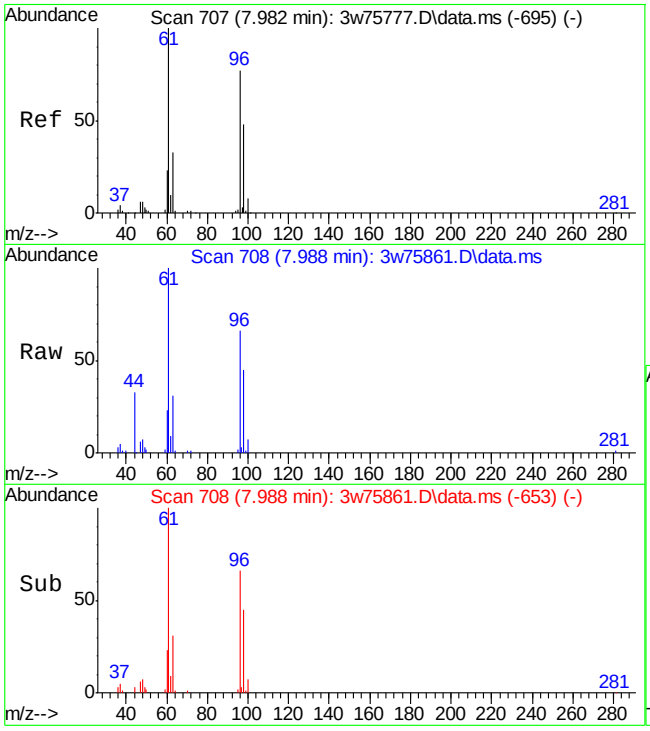


#41
METHYL ETHYL KETONE
Concen: 0.71 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 72 Resp: 6520

Ion	Ratio	Lower	Upper
72	100		
57	30.9	11.7	51.7
43	533.7	409.1	449.1#

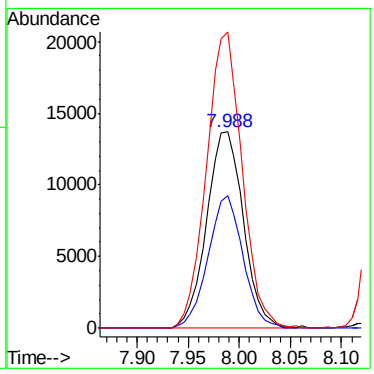


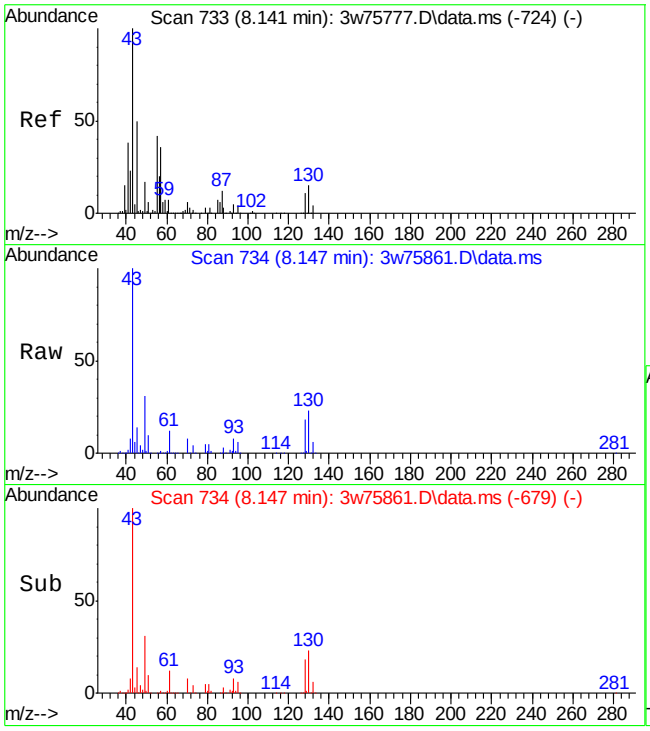


#42
cis-1,2-DICHLOROETHYLENE
Concen: 1.65 PPBV
RT: 7.988 min Scan# 708
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 96 Resp: 34413

Ion	Ratio	Lower	Upper
96	100		
98	63.9	43.0	83.0
61	146.4	112.4	152.4

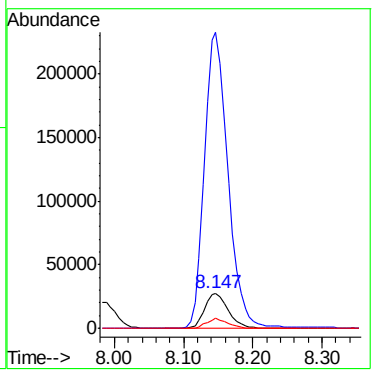


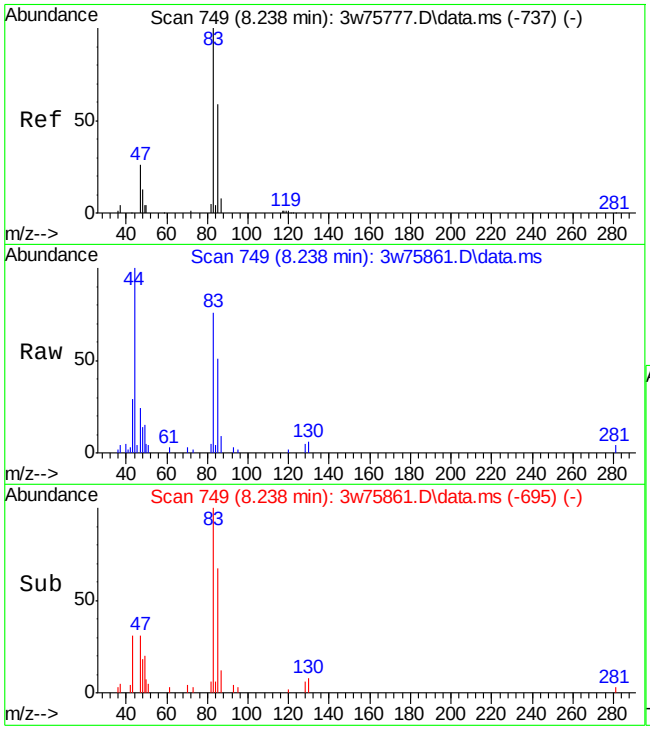


#44
ETHYL ACETATE
Concen: 10.55 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 61 Resp: 64875

Ion	Ratio	Lower	Upper
61	100		
43	859.2	1591.1	1631.1#
88	25.5	23.8	63.8

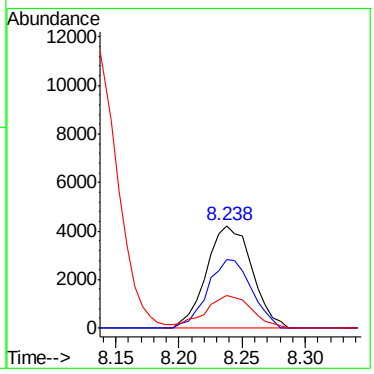


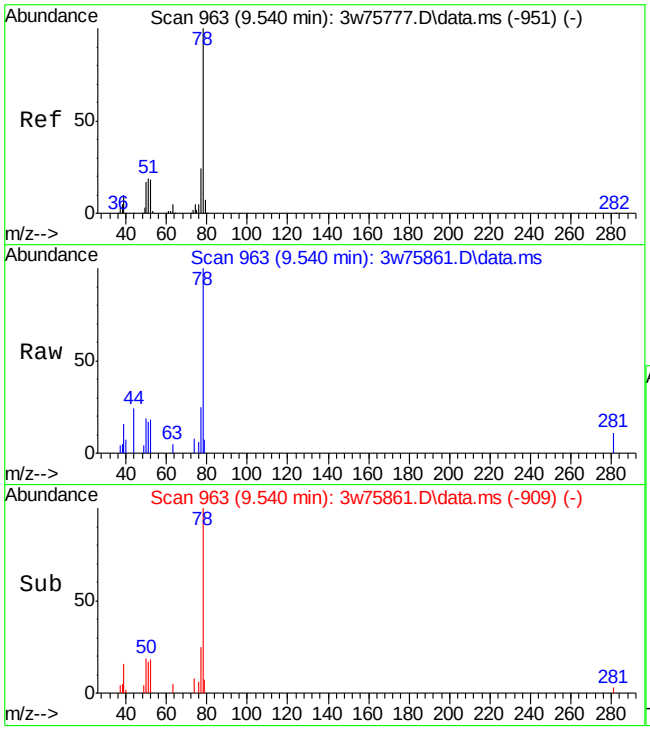


#46
CHLOROFORM
Concen: 0.23 PPBV
RT: 8.238 min Scan# 749
Delta R.T. -0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 83 Resp: 10509

Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.8	85.8
47	32.6	6.1	46.1

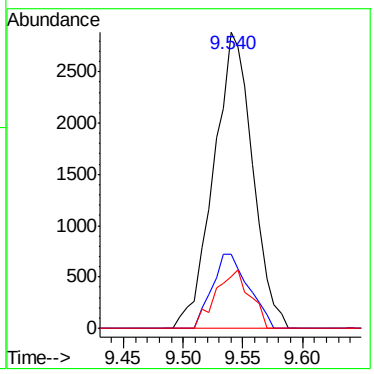


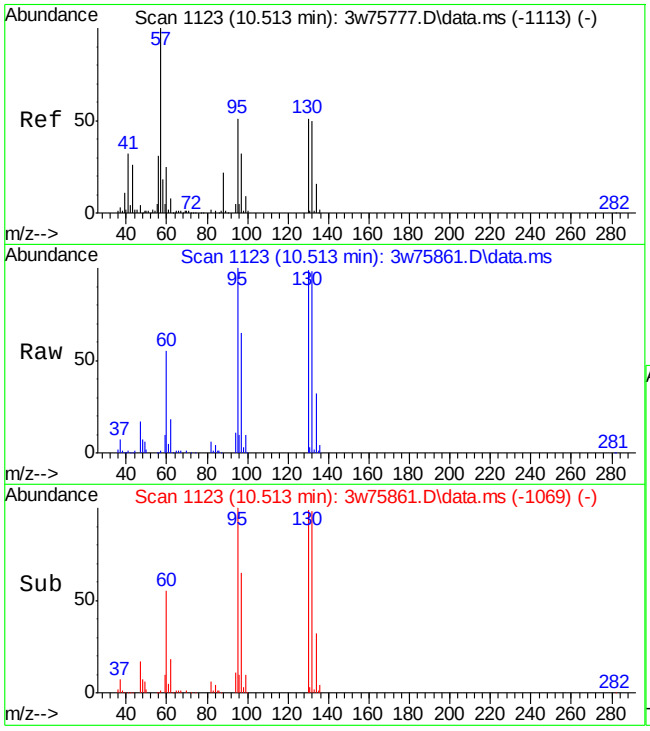


#52
BENZENE
Concen: 0.11 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 78 Resp: 6559

Ion	Ratio	Lower	Upper
78	100		
77	23.5	3.4	43.4
52	17.4	0.0	37.0

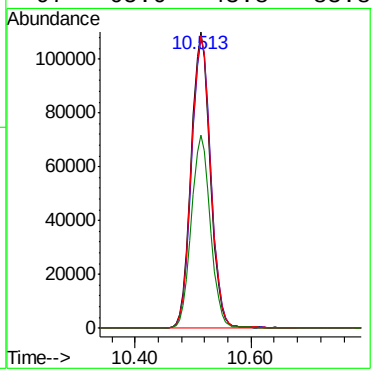


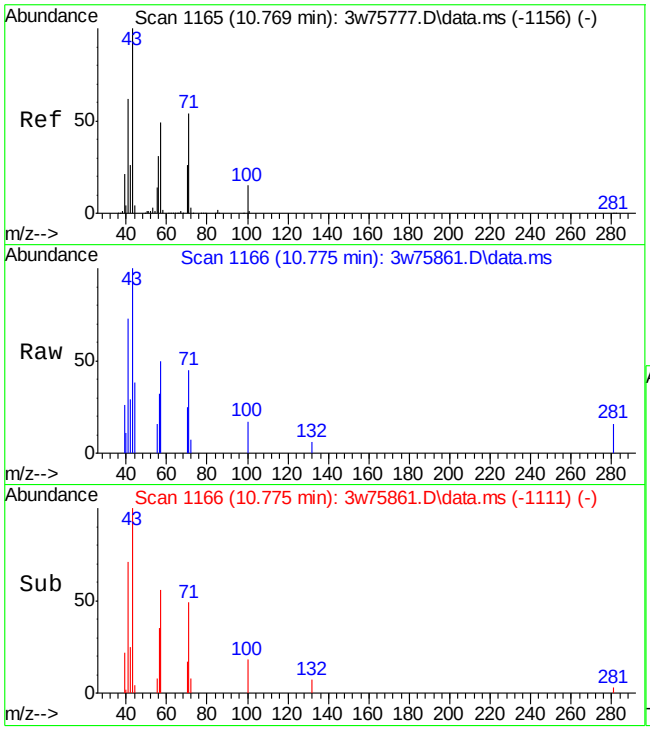


#55
TRICHLOROETHYLENE
Concen: 8.83 PPBV
RT: 10.513 min Scan# 1123
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 95 Resp: 250162

Ion	Ratio	Lower	Upper
95	100		
132	99.5	78.7	118.7
130	100.1	80.9	120.9
97	65.0	43.8	83.8

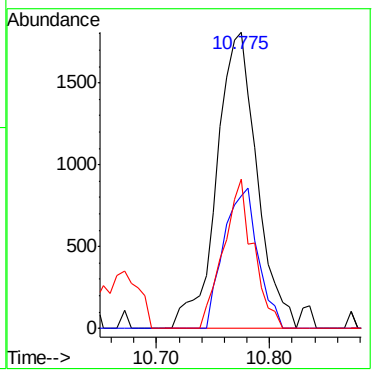


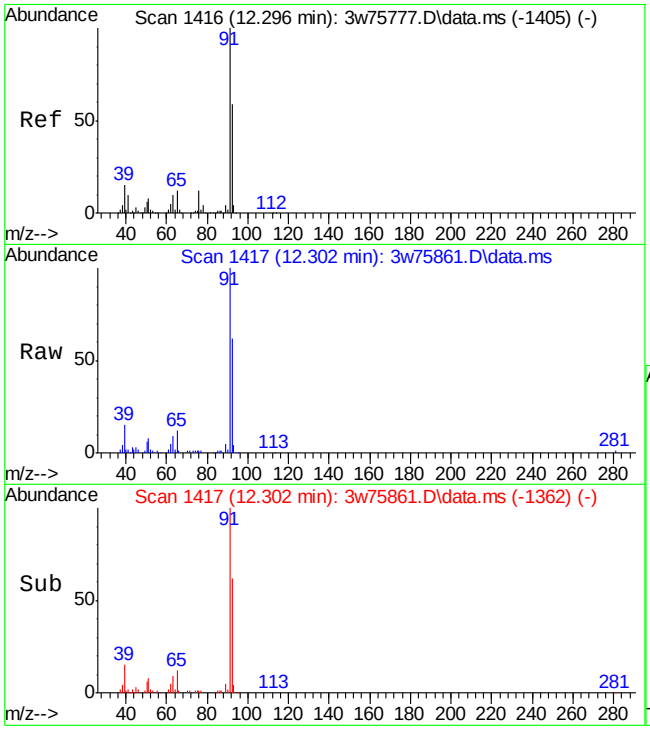


#62
HEPTANE
Concen: 0.12 PPBV
RT: 10.775 min Scan# 1166
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 43 Resp: 4455

Ion	Ratio	Lower	Upper
43	100		
71	40.2	34.1	74.1
57	37.6	29.5	69.5

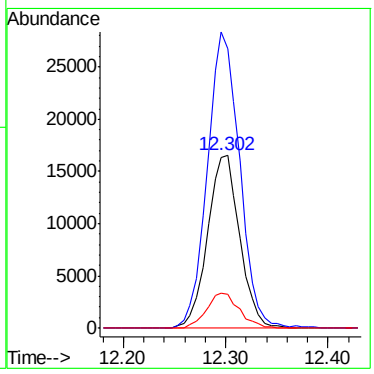


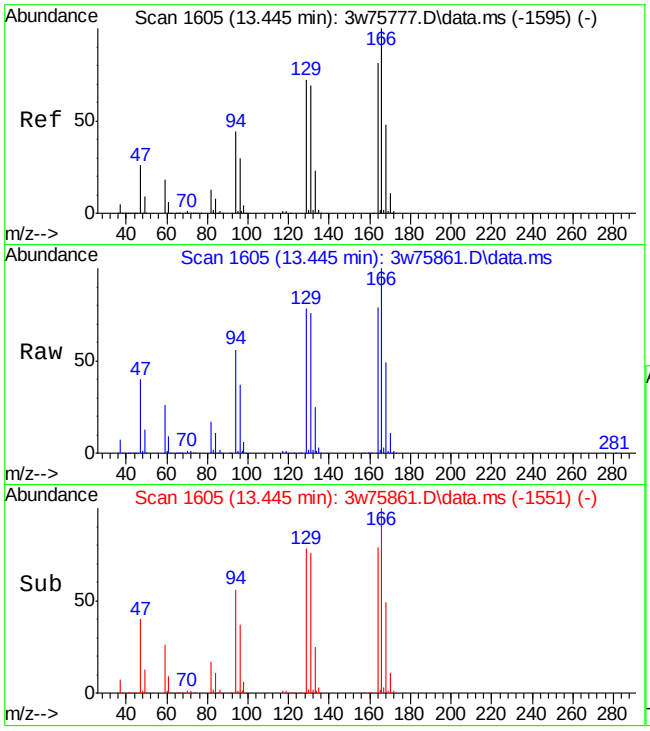


#66
TOLUENE
Concen: 0.86 PPBV
RT: 12.302 min Scan# 1417
Delta R.T. 0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 92 Resp: 36175

Ion	Ratio	Lower	Upper
92	100		
91	173.1	150.3	190.3
65	20.6	2.5	42.5

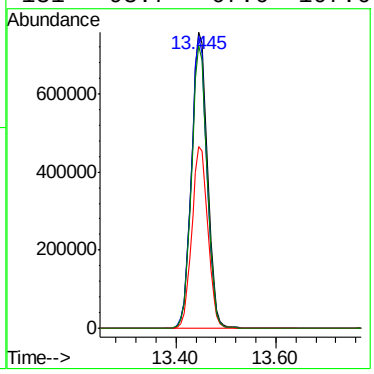


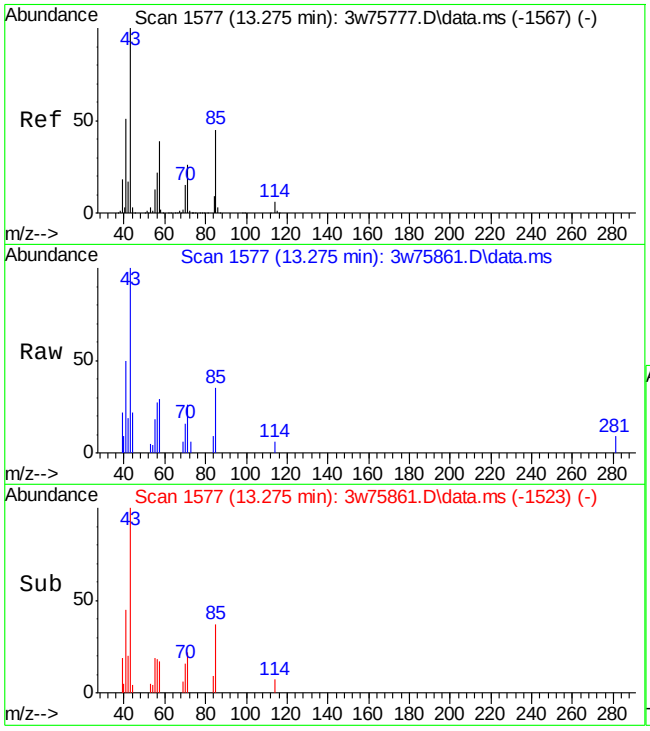


#73
TETRACHLOROETHYLENE
Concen: 54.77 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:164 Resp: 1691283

Ion	Ratio	Lower	Upper
164	100		
129	96.4	69.5	109.5
168	61.7	40.9	80.9
131	93.7	67.6	107.6

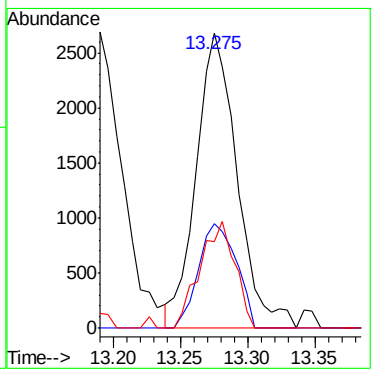


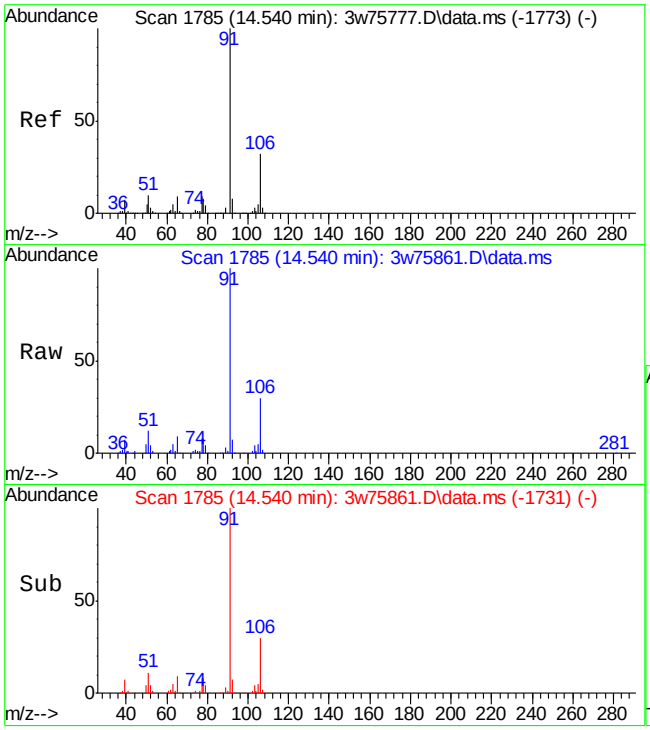


#76
OCTANE
Concen: 0.13 PPBV
RT: 13.275 min Scan# 1577
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 43 Resp: 5667

Ion	Ratio	Lower	Upper
43	100		
85	32.8	24.9	64.9
57	30.9	18.0	58.0

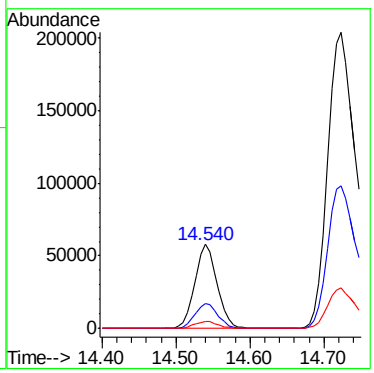


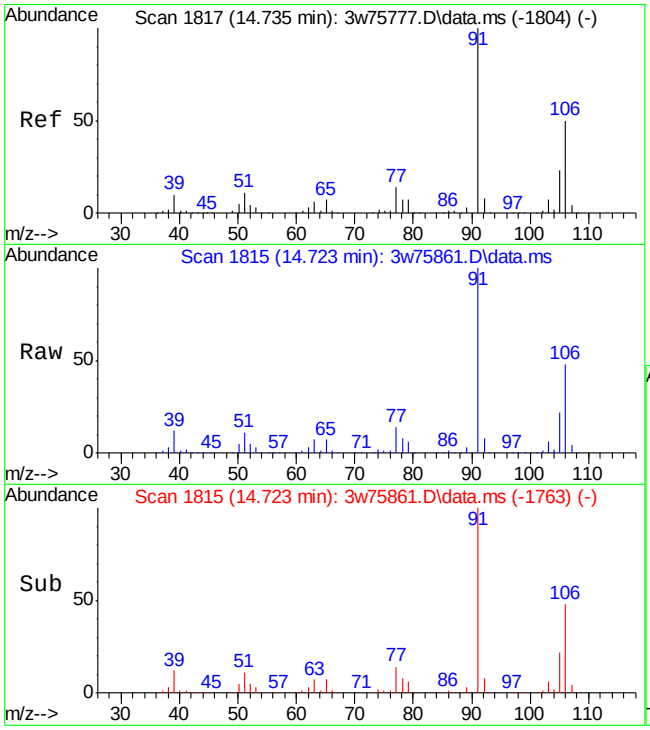


#79
ETHYLBENZENE
Concen: 1.38 PPBV
RT: 14.540 min Scan# 1785
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 91 Resp: 119019

Ion	Ratio	Lower	Upper
91	100		
106	30.6	11.8	51.8
77	8.6	0.0	28.7

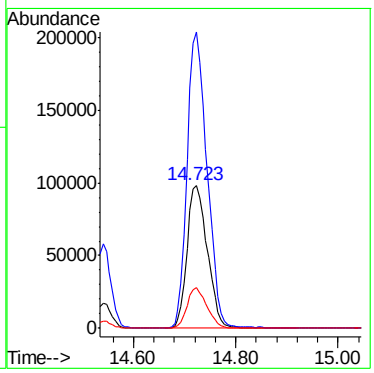


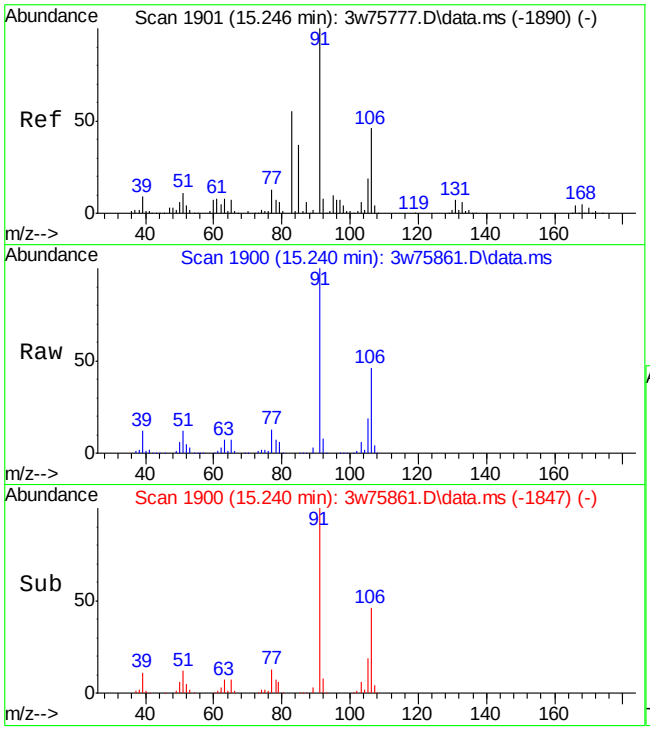


#80
m,p-XYLENE
Concen: 8.37 PPBV
RT: 14.723 min Scan# 1815
Delta R.T. -0.012 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:106 Resp: 269853

Ion	Ratio	Lower	Upper
106	100		
91	207.3	181.0	221.0
77	28.3	7.1	47.1

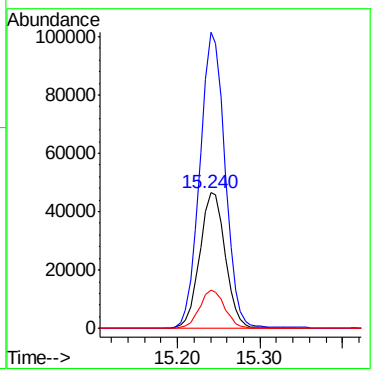


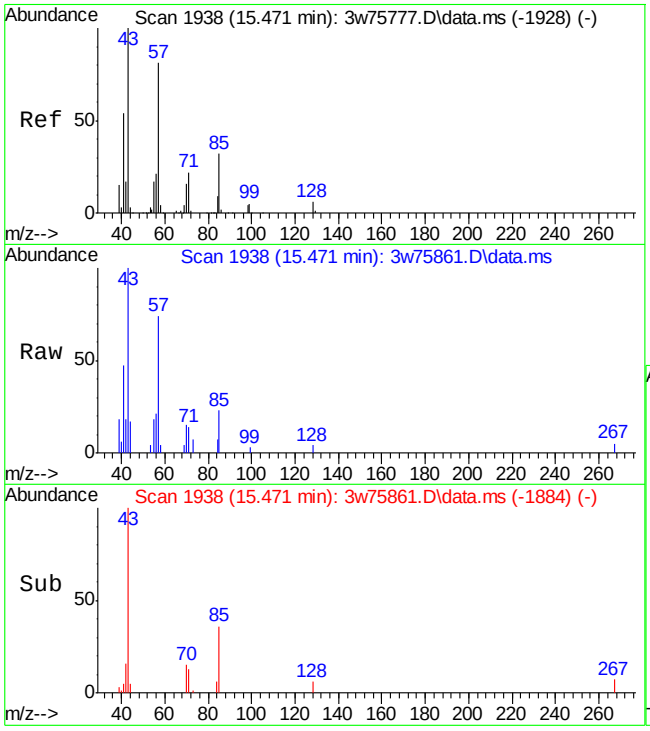


#81
o-XYLENE
Concen: 3.16 PPBV
RT: 15.240 min Scan# 1900
Delta R.T. -0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:106 Resp: 99764

Ion	Ratio	Lower	Upper
106	100		
91	217.0	195.6	235.6
77	27.7	7.0	47.0

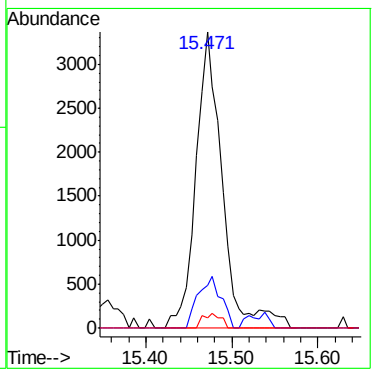


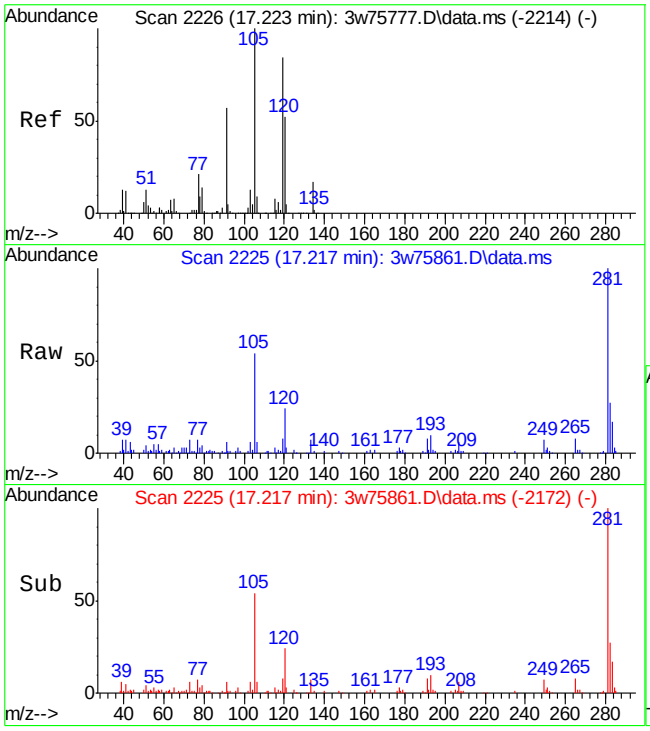


#83
NONANE
Concen: 0.16 PPBV
RT: 15.471 min Scan# 1938
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion: 43 Resp: 7189

Ion	Ratio	Lower	Upper
43	100		
71	15.1	2.4	42.4
128	3.3	0.0	25.9

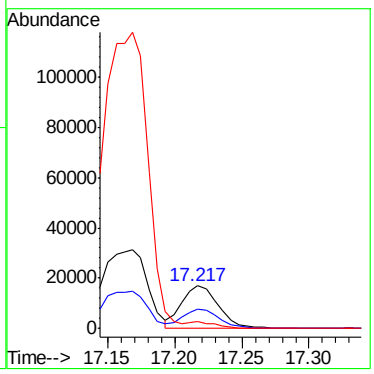


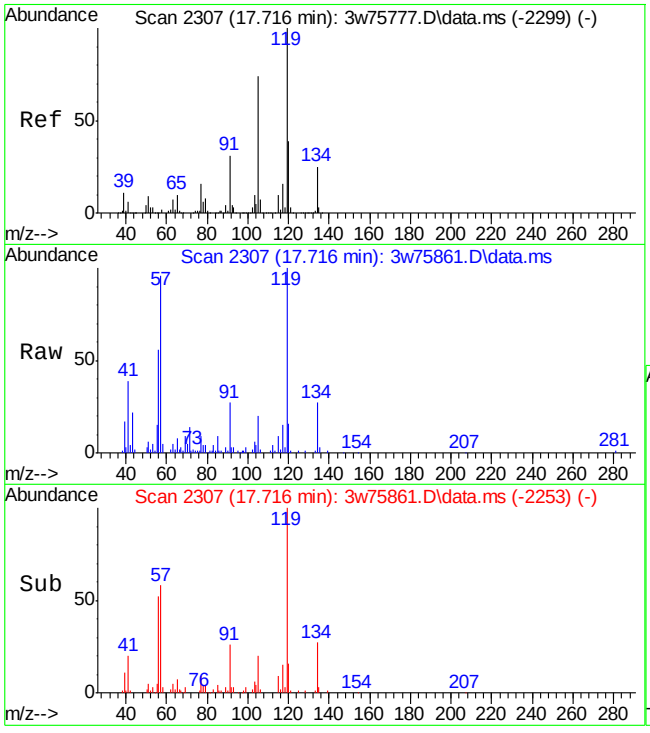


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.43 PPBV
RT: 17.217 min Scan# 2225
Delta R.T. -0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:105 Resp: 32061

Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.1	75.1
119	0.0	92.4	132.4#

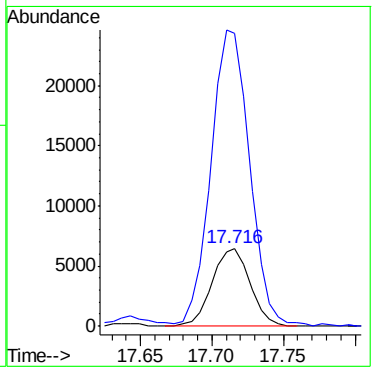


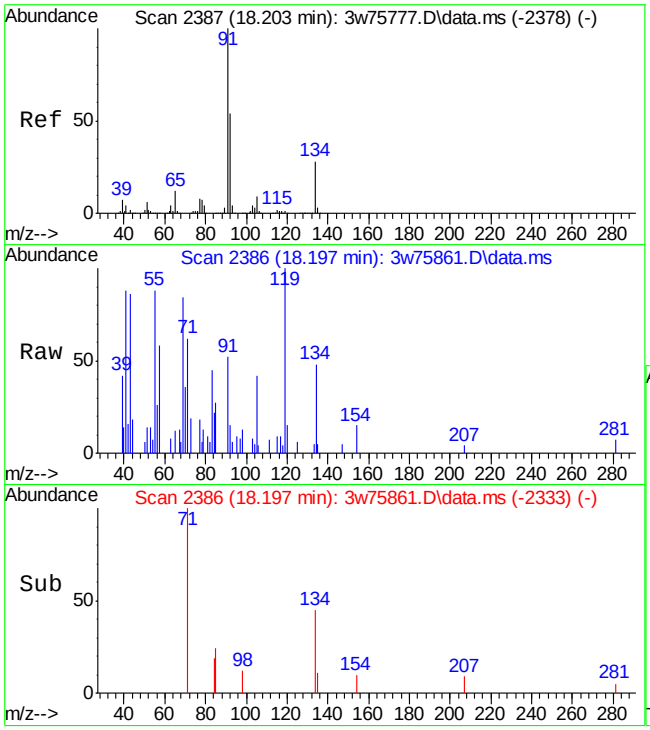


#102
p-ISOPROPYLTOLUENE
Concen: 0.48 PPBV
RT: 17.716 min Scan# 2307
Delta R.T. 0.000 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:134 Resp: 11864

Ion	Ratio	Lower	Upper
134	100		
119	390.3	0.0	23.9#

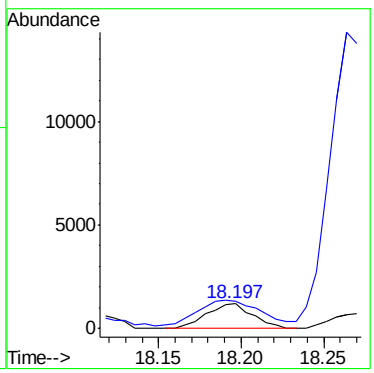




#104
n-BUTYLBENZENE
Concen: 0.10 PPBV
RT: 18.197 min Scan# 2386
Delta R.T. -0.006 min
Lab File: 3w75861.D
Acq: 27 Apr 2022 2:53 am

Tgt Ion:134 Resp: 2264

Ion	Ratio	Lower	Upper
134	100		
91	141.7	33.5	73.5#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75918.D
Acq On : 29 Apr 2022 2:38 am
Operator : thomash
Sample : jd42150-14
Misc : MS57846,V3W2986,50,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 16:58:51 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

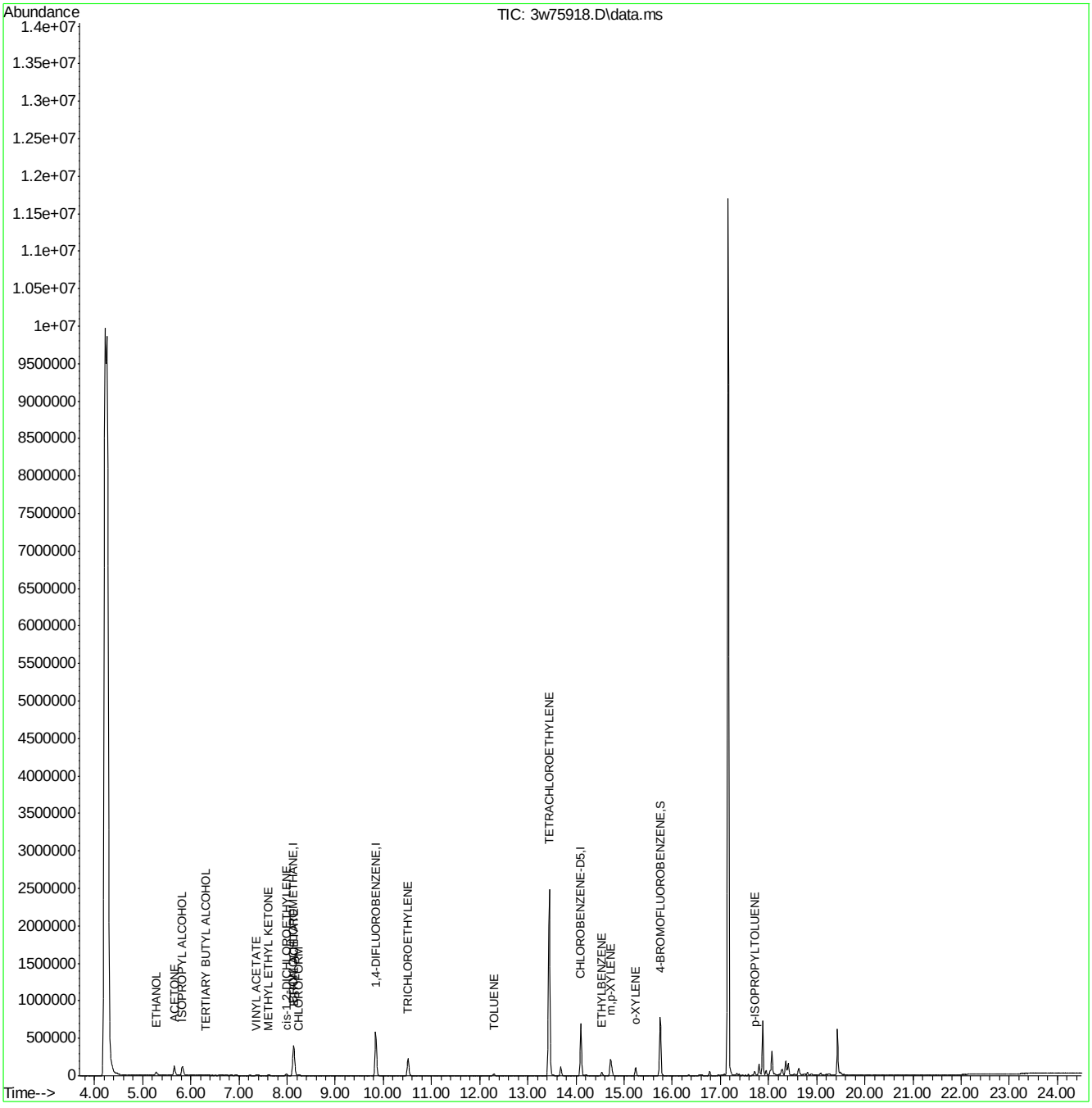
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	108494	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	547848	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	260737	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	301343	10.87	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.70%				
Target Compounds							Qvalue
22) ISOPROPYL ALCOHOL	5.822	45	201119	6.70	PPBV		97
23) ACETONE	5.658	58	40216	5.49	PPBV	#	76
28) ETHANOL	5.281	45	67265	11.20	PPBV		98
35) TERTIARY BUTYL ALCOHOL	6.303	59	4812	0.16	PPBV		68
39) VINYL ACETATE	7.368	86	658	0.26	PPBV	#	61
41) METHYL ETHYL KETONE	7.617	72	2125	0.30	PPBV	#	63
42) cis-1,2-DICHLOROETHYLENE	7.988	96	11802	0.73	PPBV		89
44) ETHYL ACETATE	8.146	61	22093	4.64	PPBV	#	1
46) CHLOROFORM	8.238	83	3862	0.11	PPBV		92
55) TRICHLOROETHYLENE	10.513	95	91209	4.16	PPBV		99
66) TOLUENE	12.295	92	12438	0.38	PPBV		98
73) TETRACHLOROETHYLENE	13.445	164	668692	27.18	PPBV		97
79) ETHYLBENZENE	14.540	91	41546	0.60	PPBV		97
80) m,p-XYLENE	14.723	106	96846	3.77	PPBV		98
81) o-XYLENE	15.246	106	35263	1.40	PPBV		99
102) p-ISOPROPYLTOLUENE	17.710	134	3819	0.19	PPBV	#	1

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

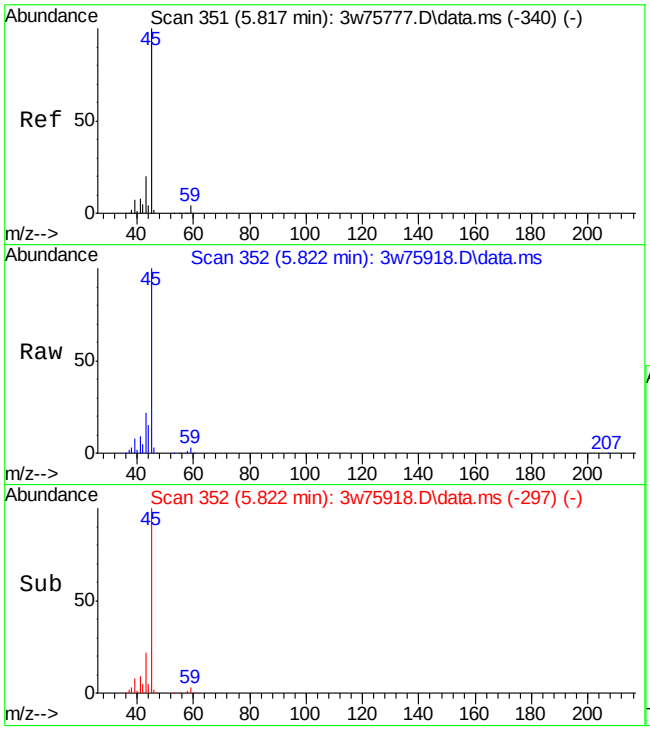
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75918.D
Acq On : 29 Apr 2022 2:38 am
Operator : thomash
Sample : jd42150-14
Misc : MS57846,V3W2986,50,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 16:58:51 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



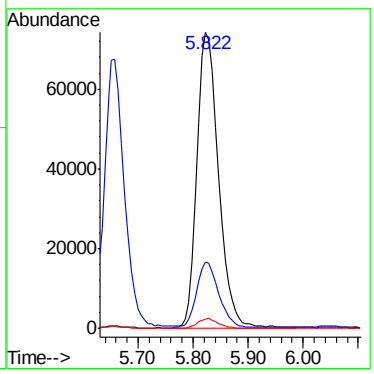
M3W2981.M Fri Apr 29 17:06:37 2022 Page: 2

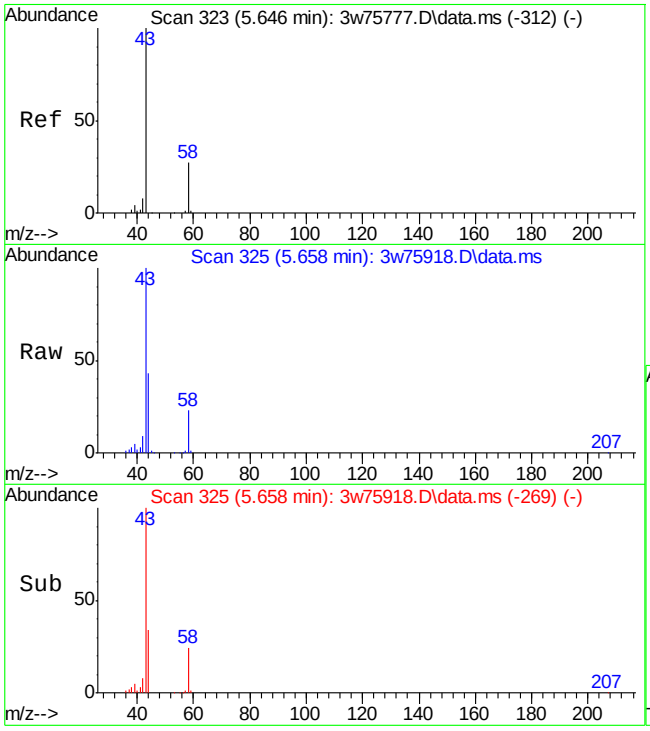


#22
ISOPROPYL ALCOHOL
Concen: 6.70 PPBV
RT: 5.822 min Scan# 352
Delta R.T. 0.005 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 45 Resp: 201119

Ion	Ratio	Lower	Upper
45	100		
43	22.3	0.7	40.7
59	3.0	0.0	23.6

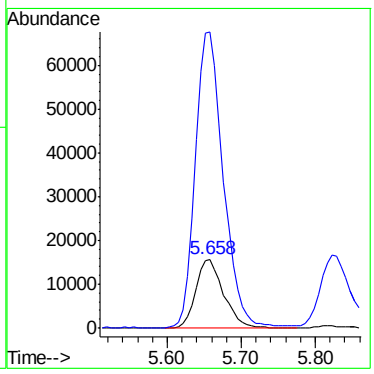


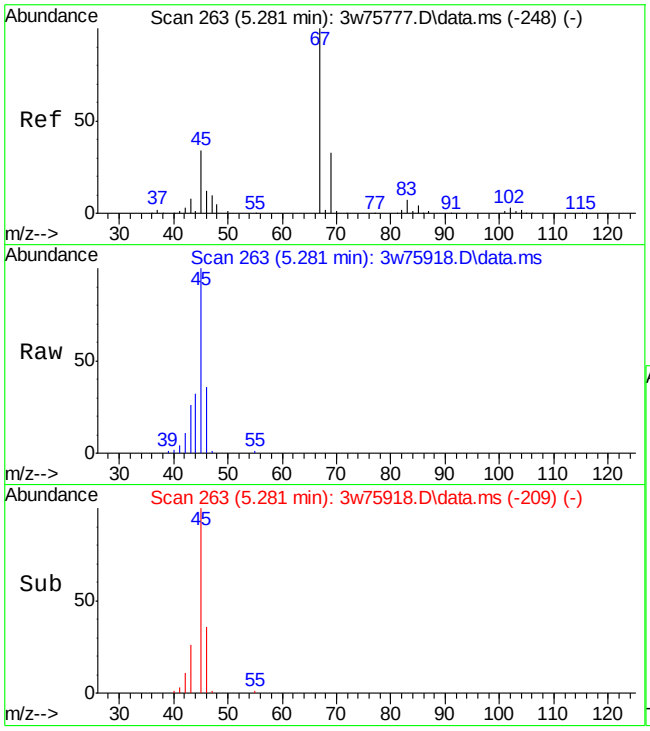


#23
ACETONE
Concen: 5.49 PPBV
RT: 5.658 min Scan# 325
Delta R.T. 0.012 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 58 Resp: 40216

Ion	Ratio	Lower	Upper
58	100		
43	438.6	362.9	402.9#

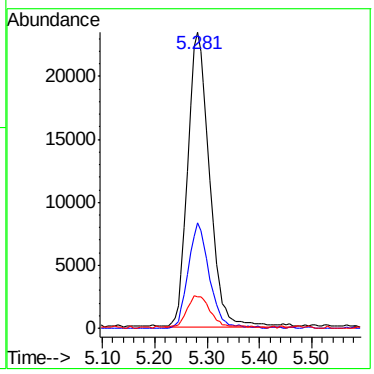


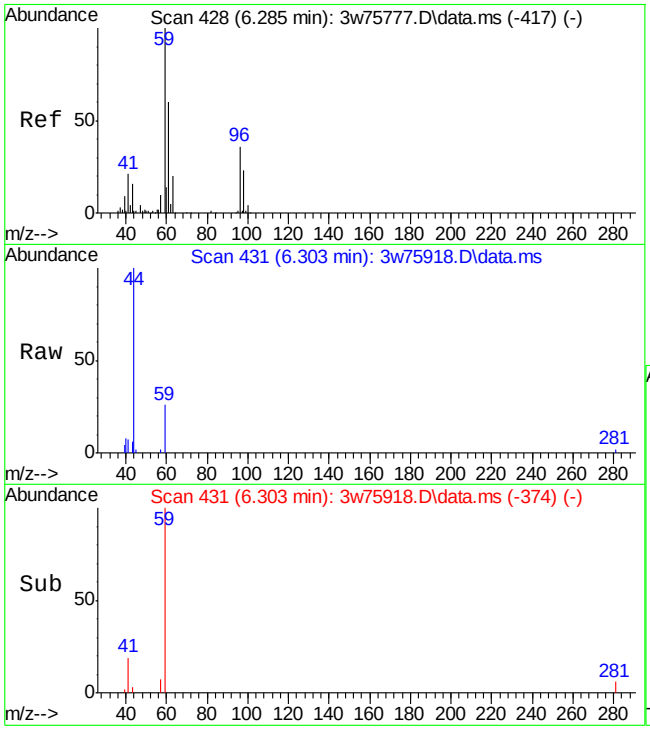


#28
ETHANOL
Concen: 11.20 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 45 Resp: 67265

Ion	Ratio	Lower	Upper
45	100		
46	34.9	14.9	54.9
42	12.8	0.0	30.1

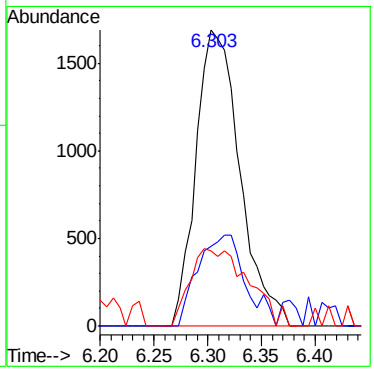


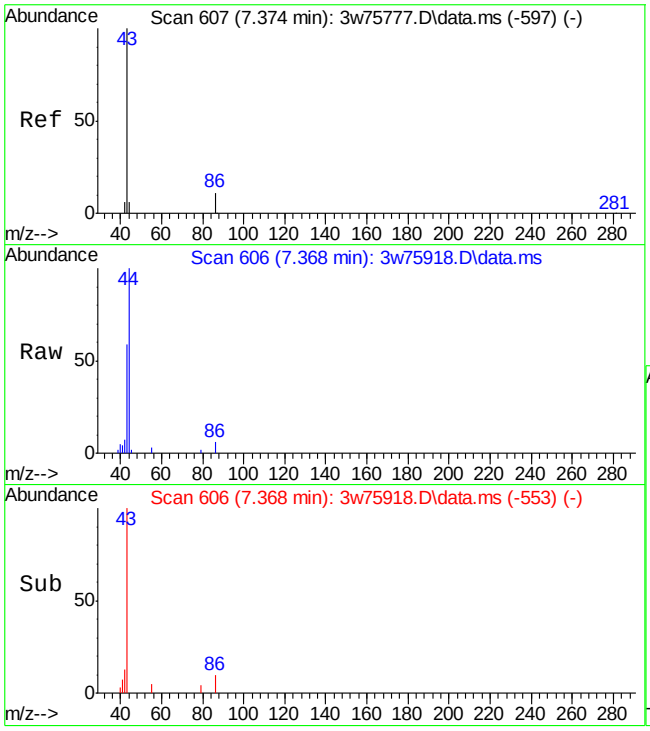


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.16 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 59 Resp: 4812

Ion	Ratio	Lower	Upper
59	100		
41	33.1	2.3	42.3
43	34.6	0.0	35.9

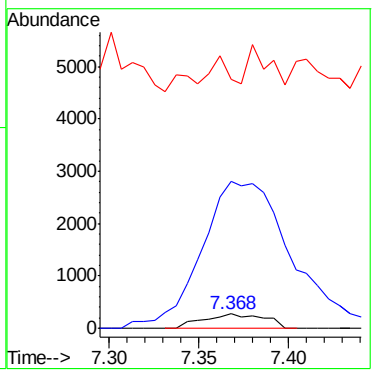


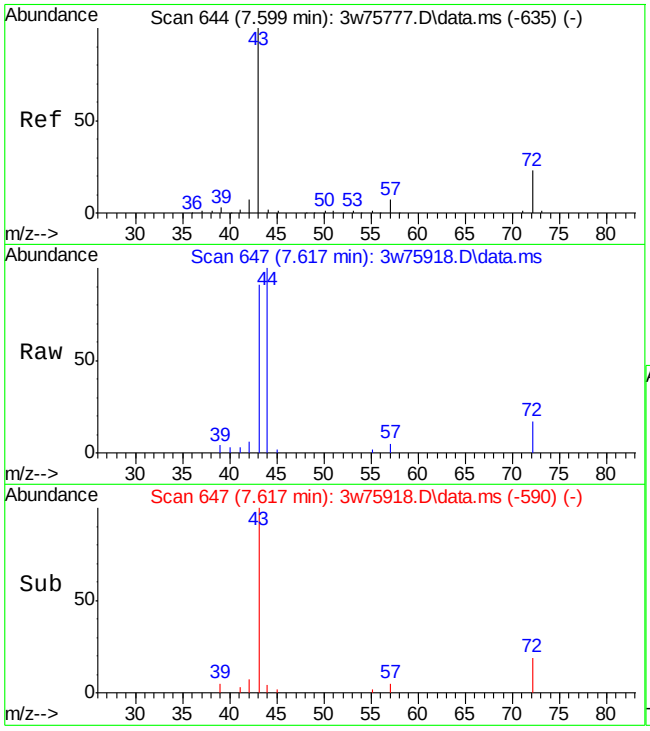


#39
VINYL ACETATE
Concen: 0.26 PPBV
RT: 7.368 min Scan# 606
Delta R.T. -0.006 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 86 Resp: 658

Ion	Ratio	Lower	Upper
86	100		
43	1486.6	1267.8	1307.8#
44	0.0	43.5	83.5#

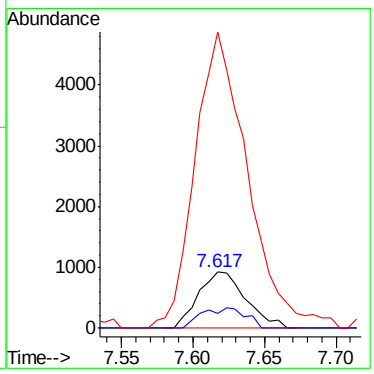


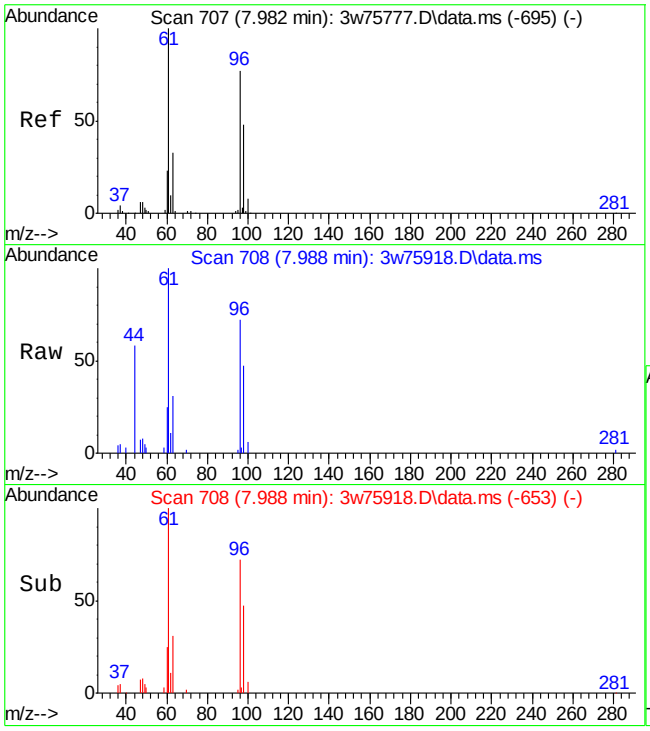


#41
METHYL ETHYL KETONE
Concen: 0.30 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 72 Resp: 2125

Ion	Ratio	Lower	Upper
72	100		
57	26.7	11.7	51.7
43	527.4	409.1	449.1#

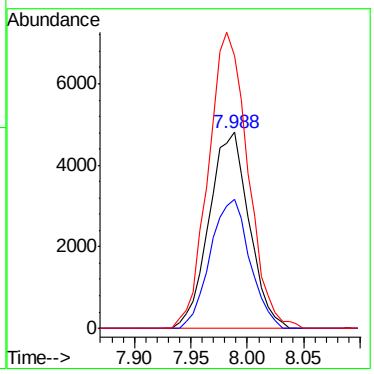


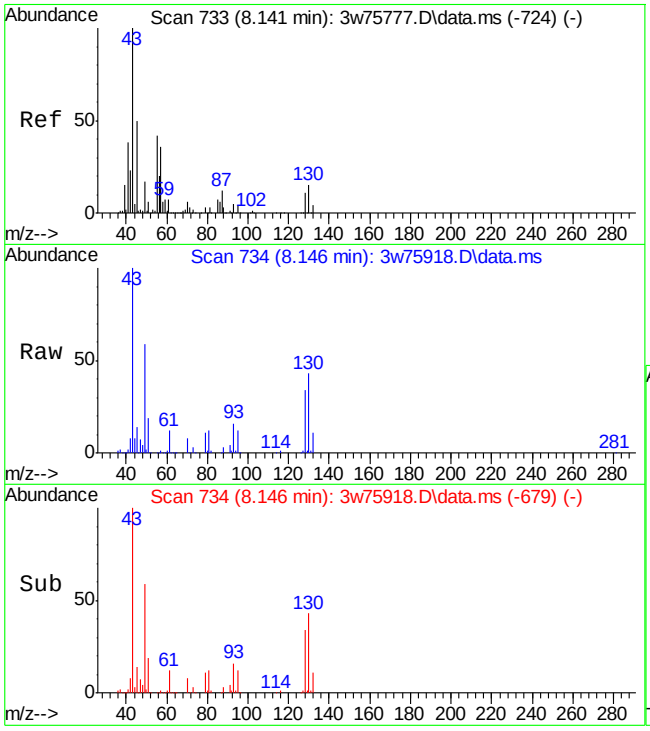


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.73 PPBV
RT: 7.988 min Scan# 708
Delta R.T. 0.006 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 96 Resp: 11802

Ion	Ratio	Lower	Upper
96	100		
98	64.8	43.0	83.0
61	149.5	112.4	152.4

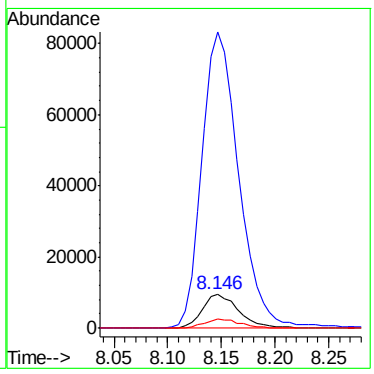


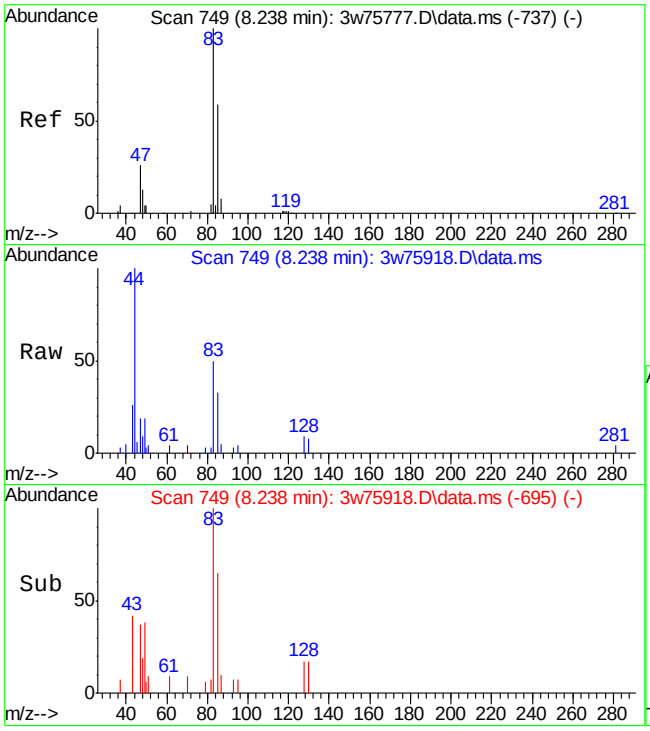


#44
ETHYL ACETATE
Concen: 4.64 PPBV
RT: 8.146 min Scan# 734
Delta R.T. 0.005 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 61 Resp: 22093

Ion	Ratio	Lower	Upper
61	100		
43	913.4	1591.1	1631.1#
88	25.6	23.8	63.8

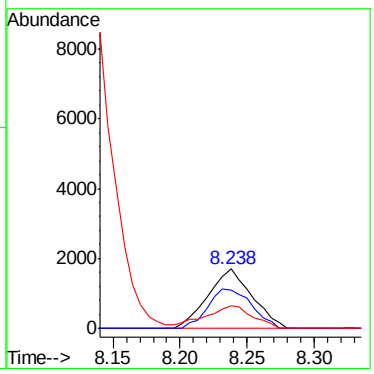


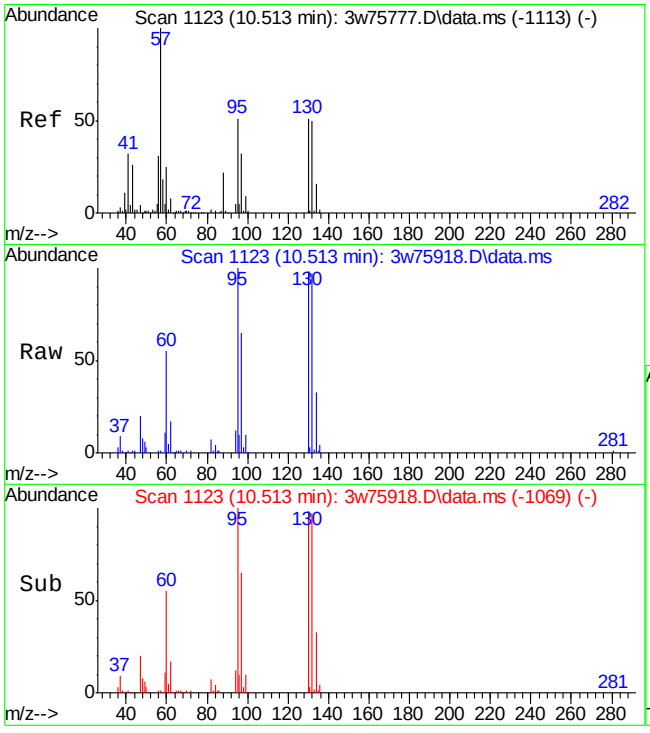


#46
CHLOROFORM
Concen: 0.11 PPBV
RT: 8.238 min Scan# 749
Delta R.T. -0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 83 Resp: 3862

Ion	Ratio	Lower	Upper
83	100		
85	66.0	45.8	85.8
47	40.2	6.1	46.1

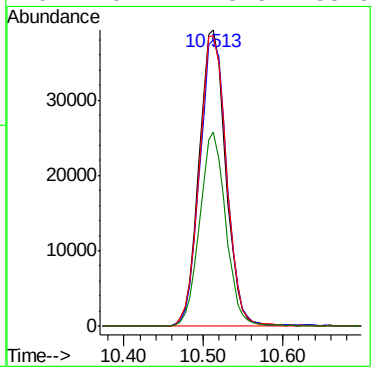


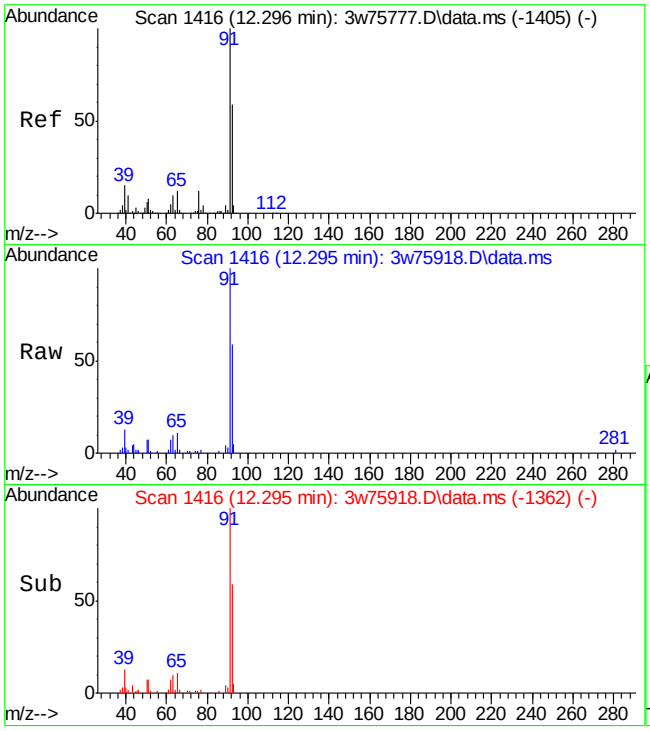


#55
TRICHLOROETHYLENE
Concen: 4.16 PPBV
RT: 10.513 min Scan# 1123
Delta R.T. -0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 95 Resp: 91209

Ion	Ratio	Lower	Upper
95	100		
132	98.7	78.7	118.7
130	99.8	80.9	120.9
97	64.1	43.8	83.8

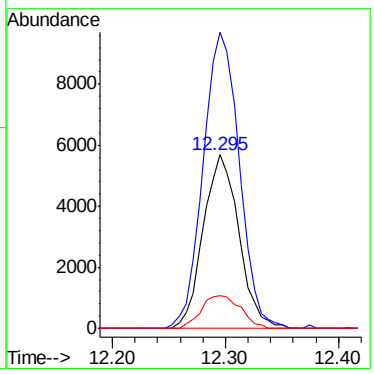


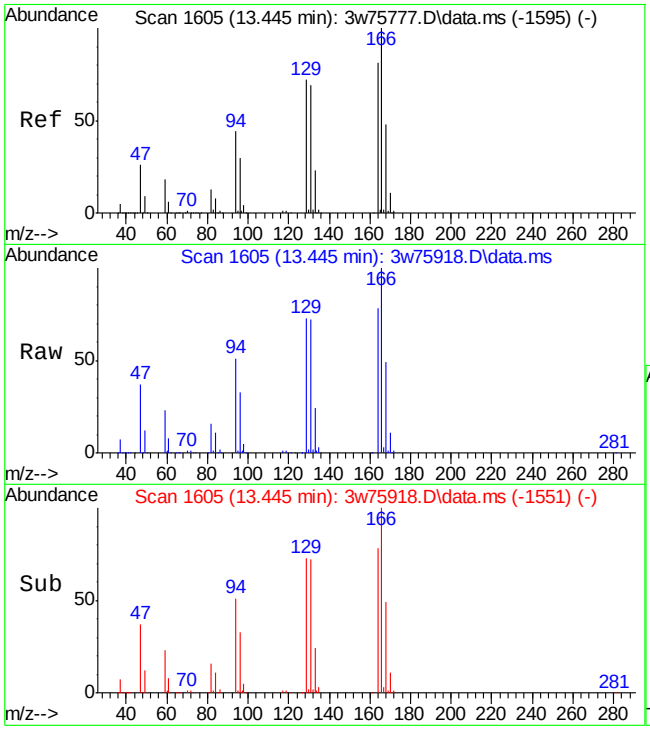


#66
TOLUENE
Concen: 0.38 PPBV
RT: 12.295 min Scan# 1416
Delta R.T. -0.001 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 92 Resp: 12438

Ion	Ratio	Lower	Upper
92	100		
91	172.8	150.3	190.3
65	20.7	2.5	42.5

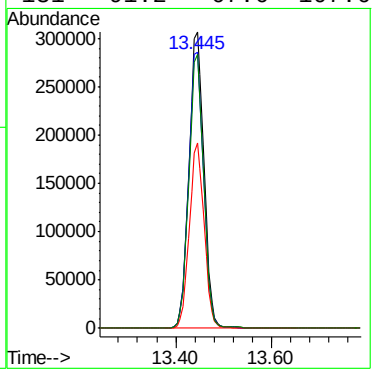


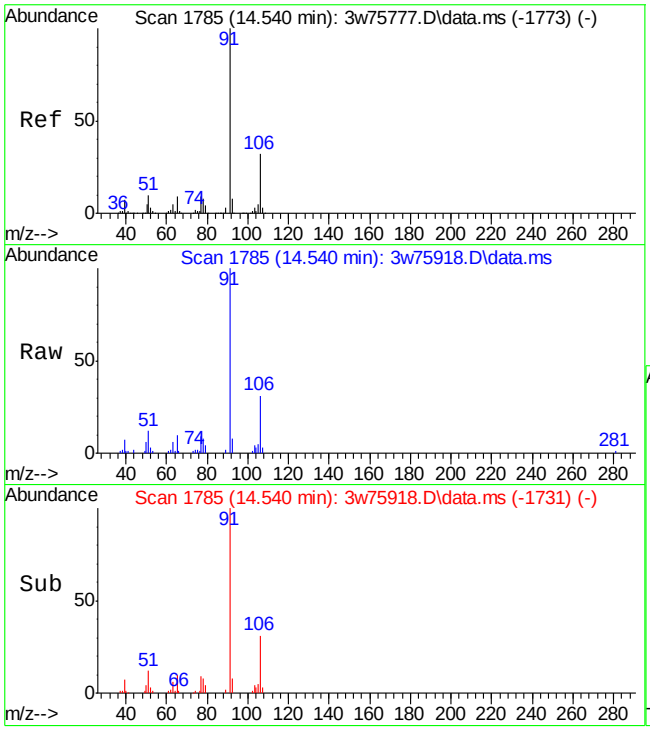


#73
TETRACHLOROETHYLENE
Concen: 27.18 PPBV
RT: 13.445 min Scan# 1605
Delta R.T. 0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion:164 Resp: 668692

Ion	Ratio	Lower	Upper
164	100		
129	93.2	69.5	109.5
168	61.7	40.9	80.9
131	91.2	67.6	107.6

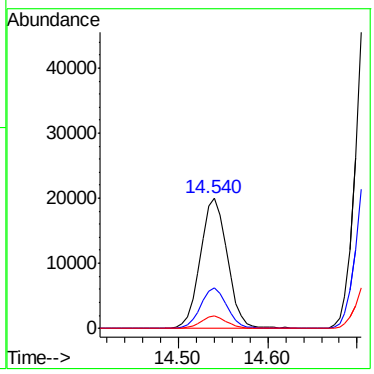


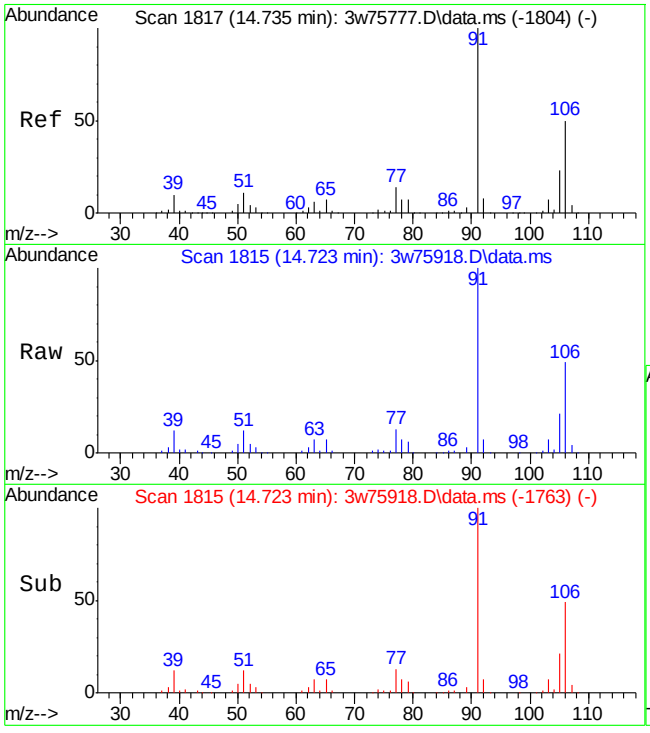


#79
ETHYLBENZENE
Concen: 0.60 PPBV
RT: 14.540 min Scan# 1785
Delta R.T. 0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion: 91 Resp: 41546

Ion	Ratio	Lower	Upper
91	100		
106	30.0	11.8	51.8
77	8.8	0.0	28.7

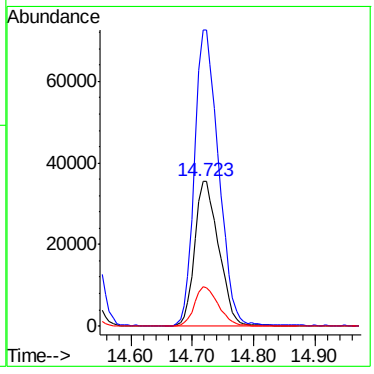


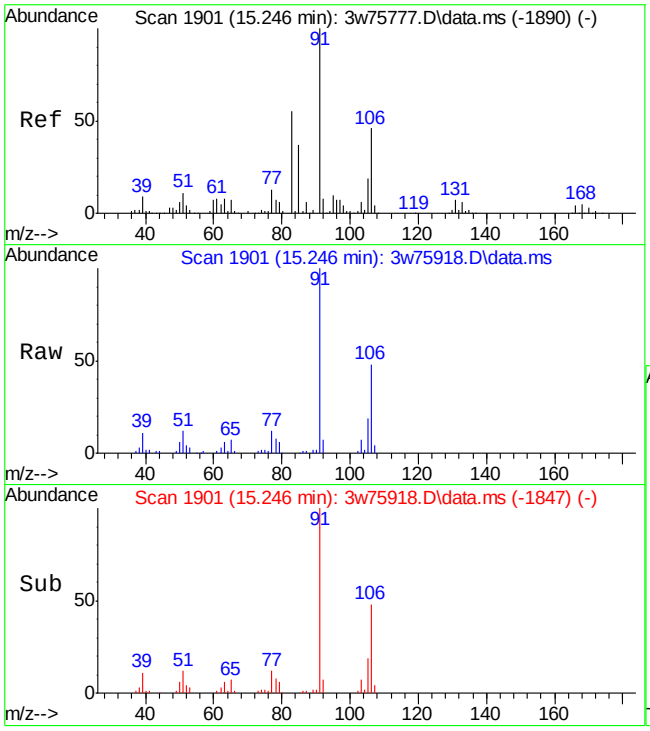


#80
m,p-XYLENE
Concen: 3.77 PPBV
RT: 14.723 min Scan# 1815
Delta R.T. -0.012 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion:106 Resp: 96846

Ion	Ratio	Lower	Upper
106	100		
91	203.8	181.0	221.0
77	26.2	7.1	47.1

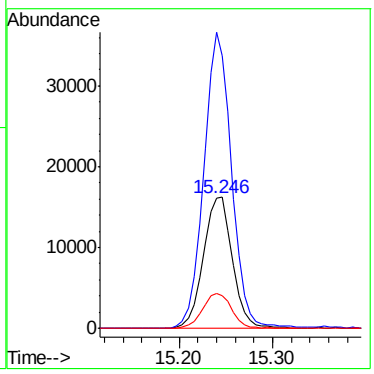


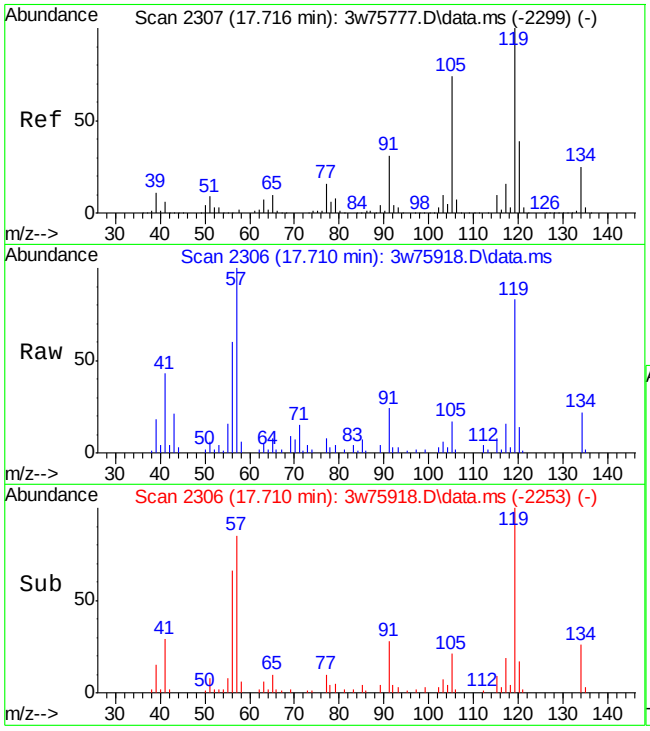


#81
o-XYLENE
Concen: 1.40 PPBV
RT: 15.246 min Scan# 1901
Delta R.T. -0.000 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion:106 Resp: 35263

Ion	Ratio	Lower	Upper
106	100		
91	216.5	195.6	235.6
77	26.7	7.0	47.0

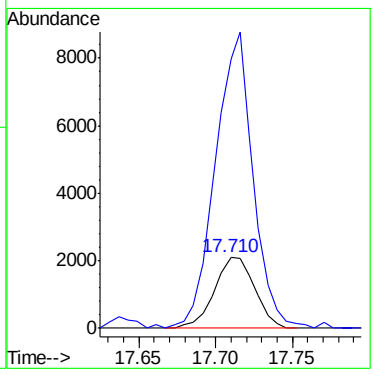




#102
p-ISOPROPYLTOLUENE
Concen: 0.19 PPBV
RT: 17.710 min Scan# 2306
Delta R.T. -0.006 min
Lab File: 3w75918.D
Acq: 29 Apr 2022 2:38 am

Tgt Ion:134 Resp: 3819

Ion	Ratio	Lower	Upper
134	100		
119	393.7	0.0	23.9#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75843.D
Acq On : 26 Apr 2022 10:47 am
Operator : thomash
Sample : mb
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 21:58:23 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

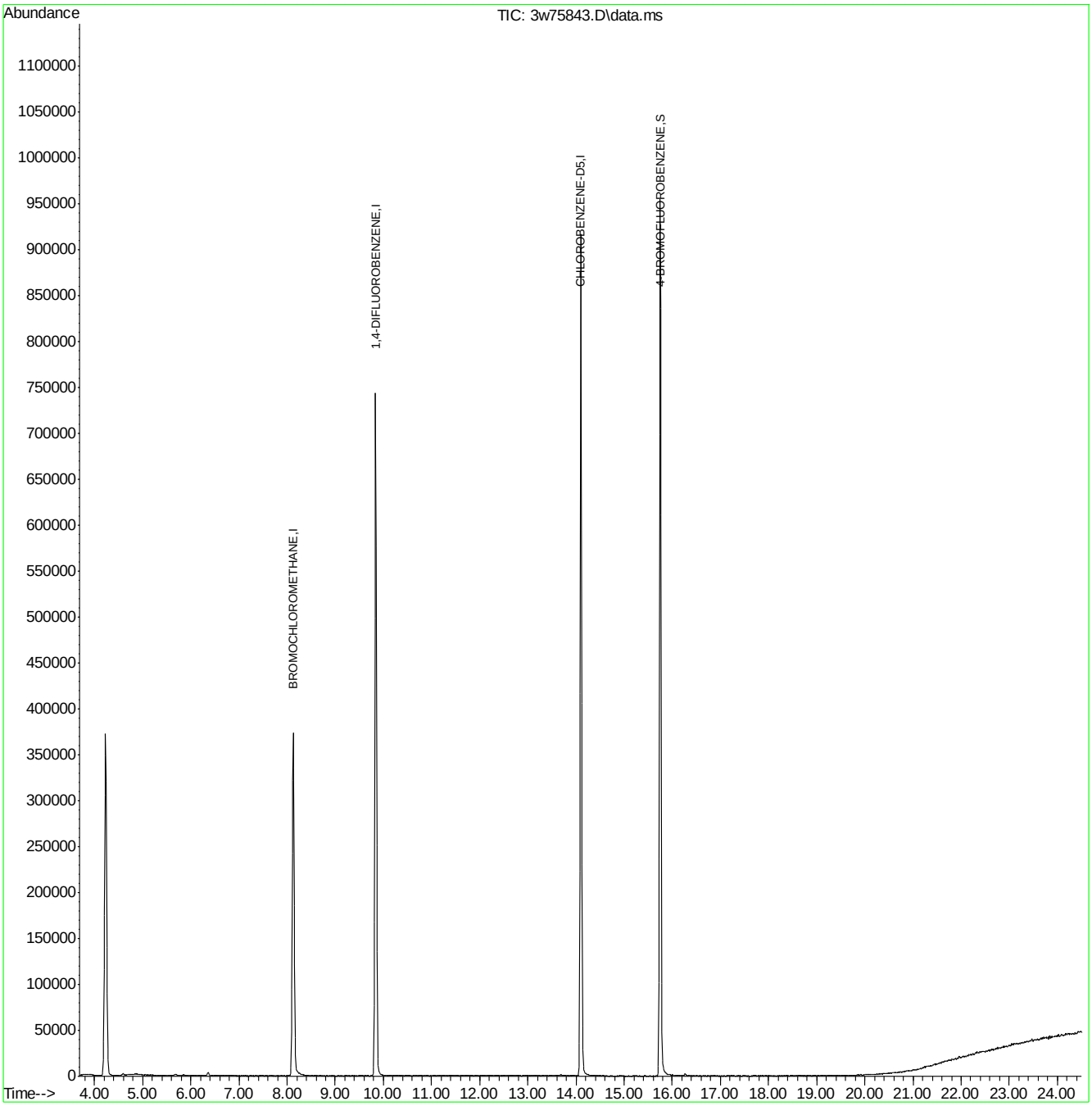
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	8.128	128	137400	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	714653	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	14.102	82	358903	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.751	95	395623	10.37	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.70%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75843.D
Acq On : 26 Apr 2022 10:47 am
Operator : thomash
Sample : mb
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 21:58:23 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75900.D
Acq On : 28 Apr 2022 12:45 pm
Operator : thomash
Sample : mb
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 29 16:39:47 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

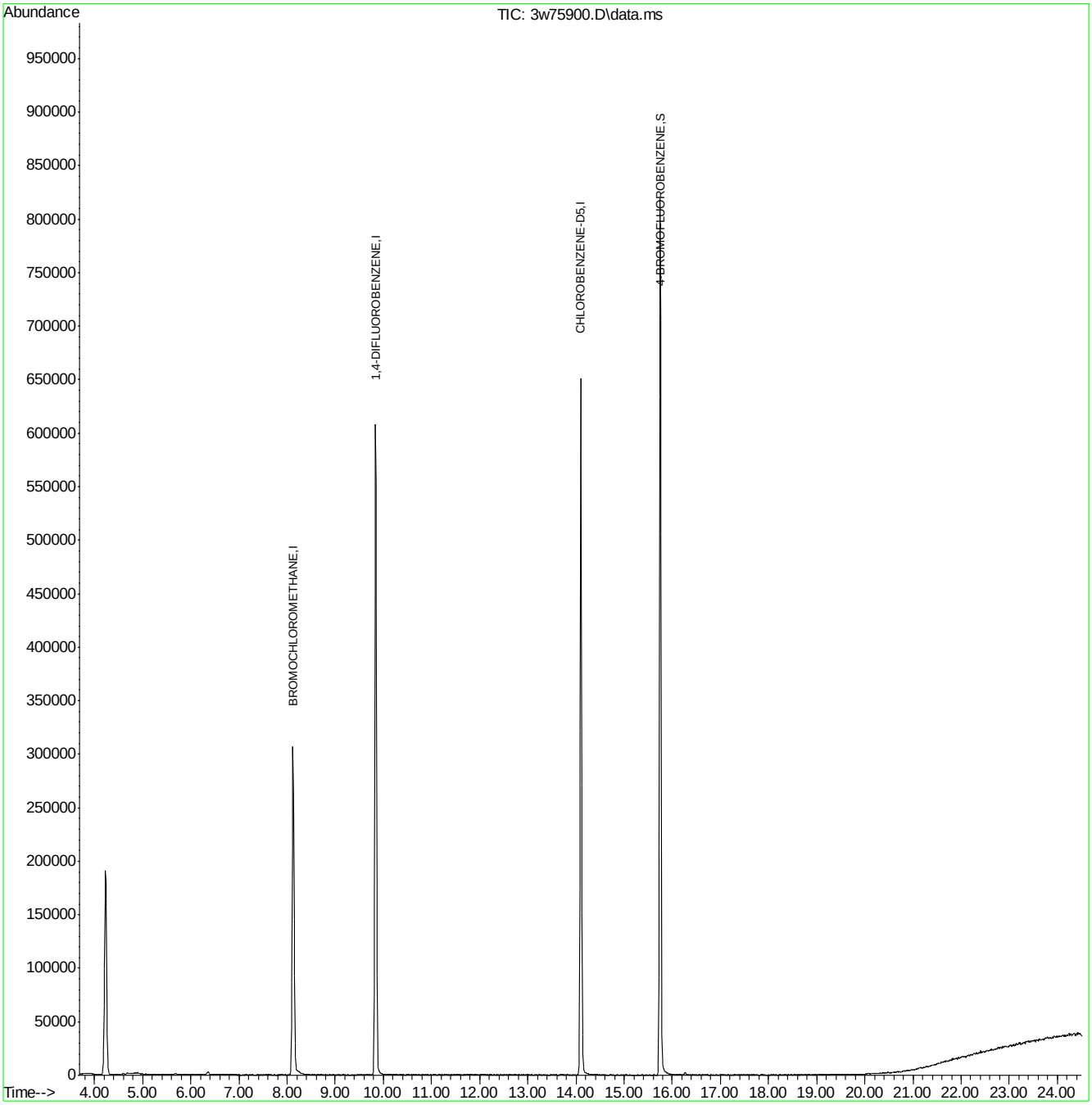
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	8.128	128	110920	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	569380	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	14.102	82	250319	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.751	95	331122	12.45	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 124.50%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75900.D
Acq On : 28 Apr 2022 12:45 pm
Operator : thomash
Sample : mb
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 29 16:39:47 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58369.D
Acq On : 19 Mar 2022 3:37 pm
Operator : thomash
Sample : mb
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 09:08:57 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

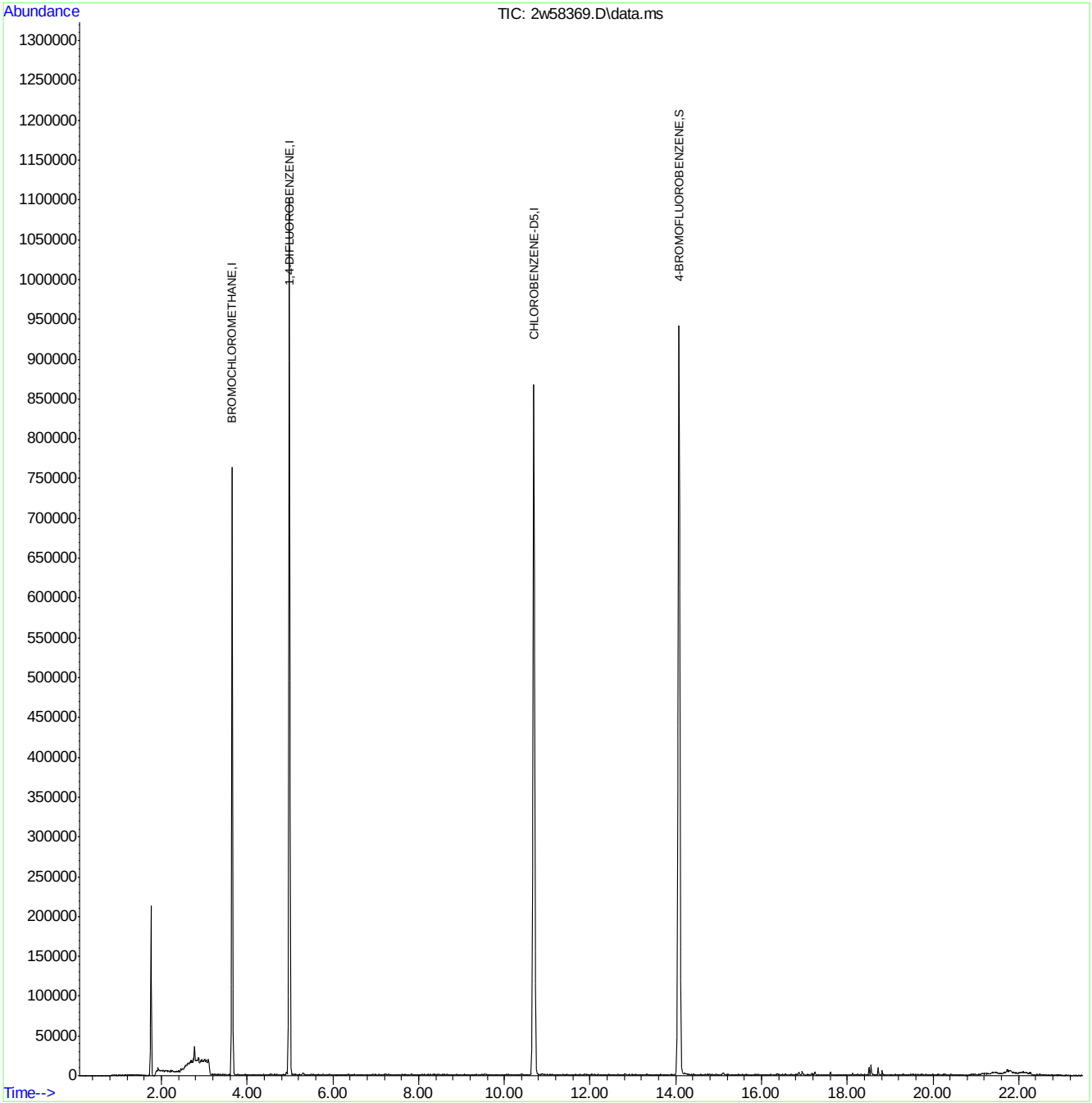
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	177458	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	940621	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	858078	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	529458	9.81	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 : 2w58369.D
Acq On : 19 Mar 2022 3:37 pm
Operator : thomash
Sample : mb
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 09:08:57 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58397.D
Acq On : 21 Mar 2022 1:30 pm
Operator : thomash
Sample : mb
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 15:22:02 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

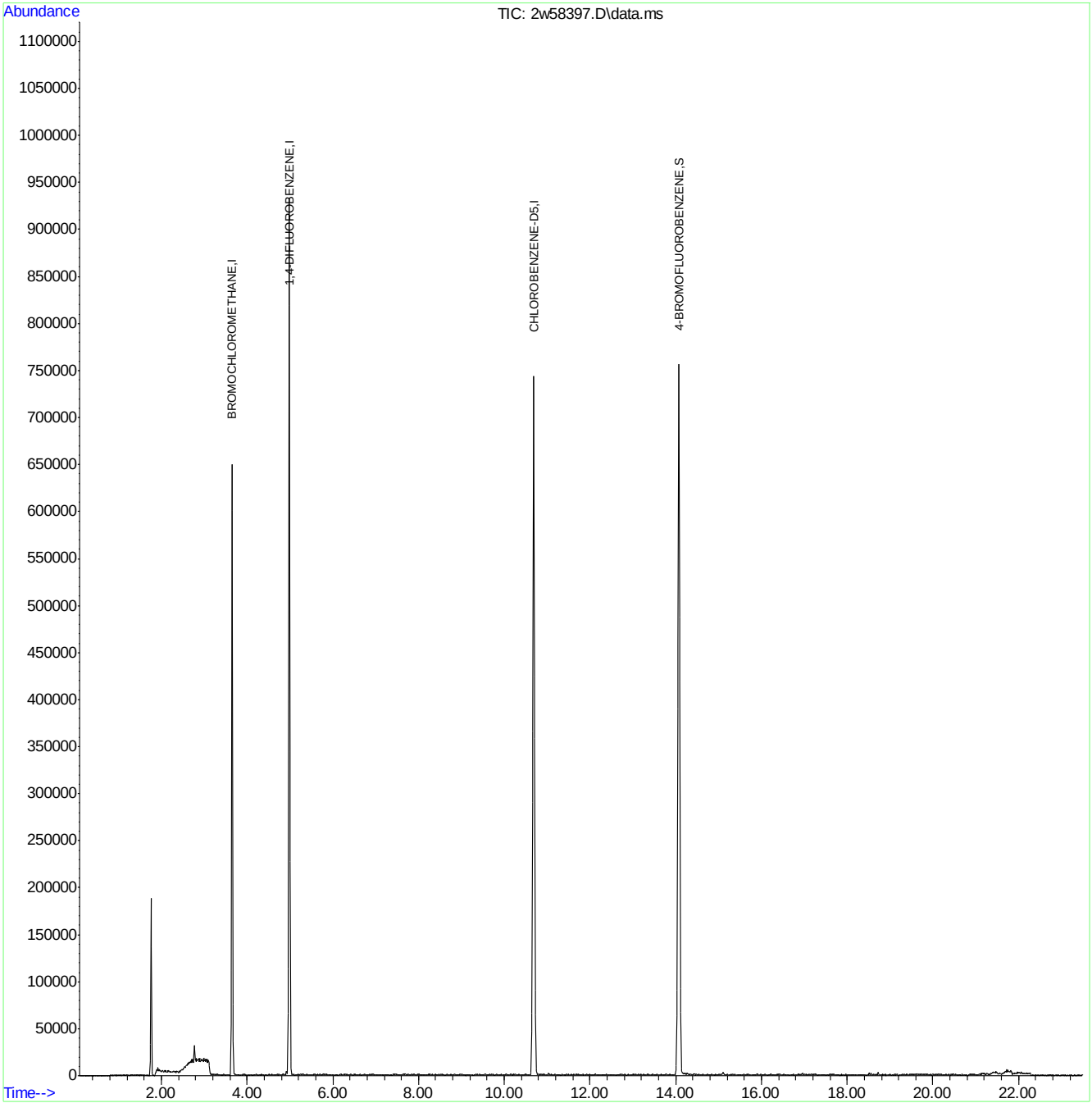
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	145688	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	775723	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	721002	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.077	95	432622	9.54	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 : 2w58397.D
Acq On : 21 Mar 2022 1:30 pm
Operator : thomash
Sample : mb
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 15:22:02 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58427.D
Acq On : 22 Mar 2022 11:42 am
Operator : thomash
Sample : mb
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:20:53 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

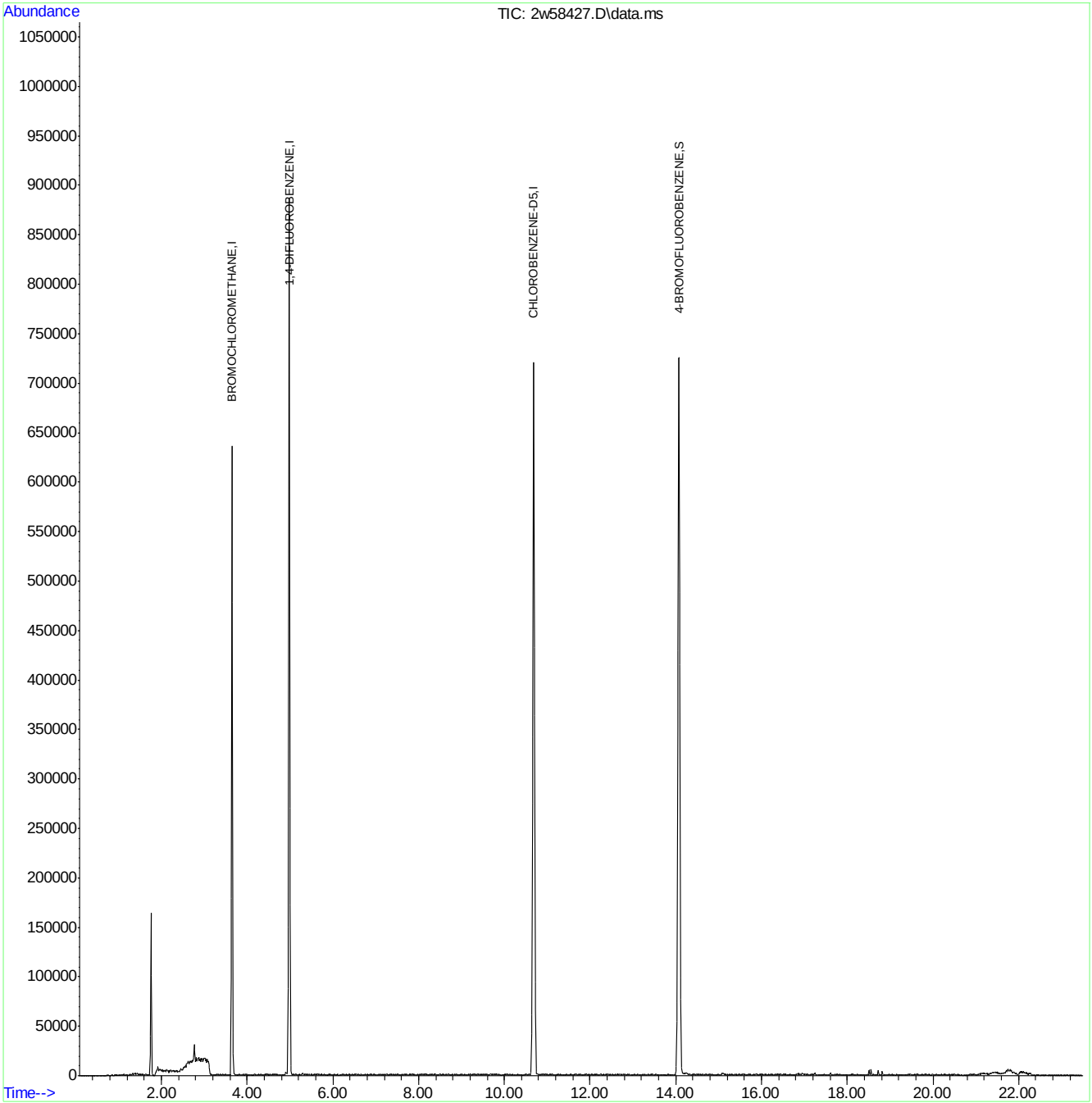
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.647	128	138584	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	744249	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.682	117	685432	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	420844	9.76	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 : 2w58427.D
Acq On : 22 Mar 2022 11:42 am
Operator : thomash
Sample : mb
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 22 14:20:53 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58458.D
Acq On : 23 Mar 2022 11:45 am
Operator : thomash
Sample : mb
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 23 14:32:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

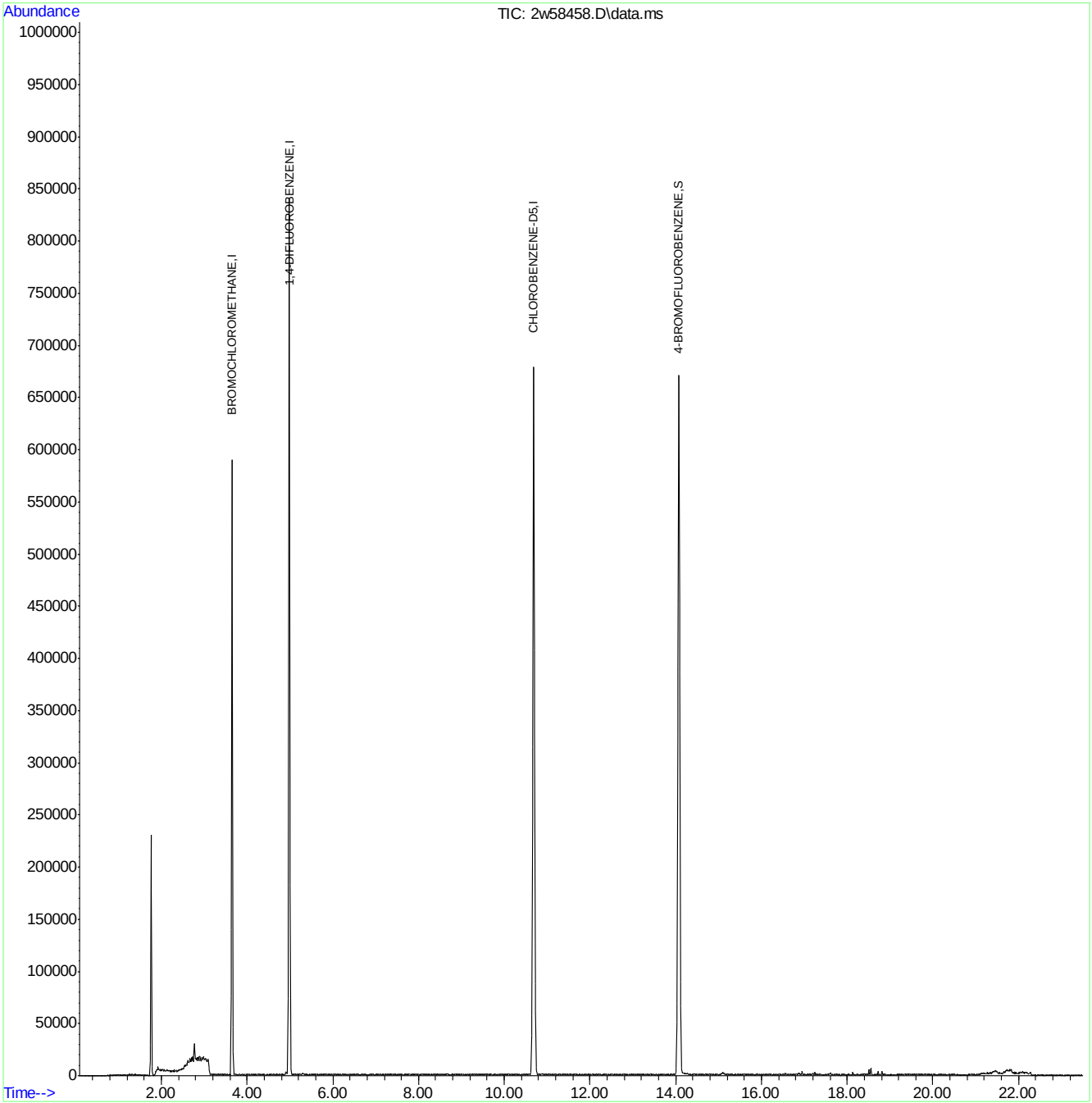
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.647	128	125485	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.981	114	679947	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.682	117	624916	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.068	95	390677	9.94	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 : 2w58458.D
Acq On : 23 Mar 2022 11:45 am
Operator : thomash
Sample : mb
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 23 14:32:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 00:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:37:15 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	123557	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	643927	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	347270	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	404523	10.96	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.60%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	108131	10.59	PPBV		98
4) CHLORODIFLUOROMETHANE	4.393	67	55886	10.32	PPBV		99
5) CHLOROTRIFLUOROETHENE	4.423	116	233623	9.55	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	573188	10.09	PPBV		99
7) PROPYLENE	4.417	41	182031	11.61	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	424967	10.22	PPBV		98
9) FREON 114	4.673	85	389743	9.15	PPBV		97
10) CHLOROMETHANE	4.606	52	52218	11.07	PPBV		93
11) VINYL CHLORIDE	4.770	62	141037	9.37	PPBV		100
12) 1,3-BUTADIENE	4.868	54	107212	8.98	PPBV		94
13) n-BUTANE	4.910	43	229959	9.66	PPBV		98
14) BROMOMETHANE	5.080	94	122547	7.65	PPBV		100
15) CHLOROETHANE	5.208	64	64835	9.13	PPBV		97
16) DICHLOROFLUOROMETHANE	5.263	67	325012	8.86	PPBV		99
17) ACETONITRILE	5.452	41	145009	11.38	PPBV		99
18) ACROLEIN	5.549	56	53369	9.68	PPBV		94
19) FREON 123	5.561	83	365895	9.74	PPBV		99
20) FREON 123A	5.604	117	218434	9.66	PPBV		90
21) TRICHLOROFLUOROMETHANE	5.780	101	492897	9.82	PPBV		100
22) ISOPROPYL ALCOHOL	5.823	45	381528	11.16	PPBV		97
23) ACETONE	5.652	58	86471	10.37	PPBV		97
24) PENTANE	6.042	42	224599	11.92	PPBV		97
25) IODOMETHANE	6.230	142	457027	9.44	PPBV		99
26) 1,1-DICHLOROETHYLENE	6.273	96	168751	9.80	PPBV		92
27) CARBON DISULFIDE	6.632	76	502658	10.25	PPBV		97
28) ETHANOL	5.281	45	62462	9.13	PPBV		99
29) BROMOETHENE	5.470	106	140361	8.95	PPBV		99
30) ACRYLONITRILE	5.993	52	126740	11.61	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	152140	9.32	PPBV		90
32) 3-CHLOROPROPENE	6.455	76	82753	10.42	PPBV	#	84
33) FREON 113	6.559	151	292823	9.33	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	7.112	96	173334	9.60	PPBV		93
35) TERTIARY BUTYL ALCOHOL	6.285	59	356103	10.47	PPBV		96
36) METHYL TERTIARY BUTYL ...	7.313	73	518603	9.86	PPBV		95
37) TETRAHYDROFURAN	8.597	72	81102	10.09	PPBV	#	83
38) HEXANE	8.147	57	283469	10.92	PPBV		96
39) VINYL ACETATE	7.374	86	28700	9.94	PPBV	#	68
40) 1,1-DICHLOROETHANE	7.283	63	328766	10.54	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	83565	10.25	PPBV	#	79
42) cis-1,2-DICHLOROETHYLENE	7.982	96	176013	9.56	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:37:15 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	82396	10.69	PPBV	#	80
44) ETHYL ACETATE	8.147	61	59830	11.03	PPBV	#	83
45) METHYL ACRYLATE	8.147	55	344983	10.74	PPBV		98
46) CHLOROFORM	8.238	83	385972	9.54	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.925	57	332392	10.72	PPBV		98
48) 1,1,1-TRICHLOROETHANE	9.120	97	424003	9.39	PPBV		98
49) CARBON TETRACHLORIDE	9.680	117	455819	9.66	PPBV		99
50) 1,2-DICHLOROETHANE	8.889	62	276073	10.09	PPBV		99
52) BENZENE	9.540	78	522321	9.79	PPBV		98
53) CYCLOHEXANE	9.789	84	225035	9.28	PPBV		93
54) 2,3-DIMETHYLPENTANE	9.990	71	117811	10.33	PPBV		93
55) TRICHLOROETHYLENE	10.513	95	241770	9.37	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	207530	10.49	PPBV		97
57) DIBROMOMETHANE	10.276	174	222931	8.96	PPBV		94
58) ETHYL ACRYLATE	10.264	55	426120	10.87	PPBV		98
59) BROMODICHLOROMETHANE	10.477	83	431539	9.88	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	923491	10.92	PPBV		99
61) 1,4-DIOXANE	10.513	88	112844	9.74	PPBV		92
62) HEPTANE	10.769	43	382137	11.57	PPBV		93
63) METHYL METHACRYLATE	10.677	69	192802	10.00	PPBV		87
64) METHYL ISOBUTYL KETONE	11.359	58	166201	10.66	PPBV	#	88
65) cis-1,3-DICHLOROPROPENE	11.334	75	325838	10.13	PPBV		93
66) TOLUENE	12.296	92	374152	9.79	PPBV		99
67) 1,3-DICHLOROPROPANE	12.320	76	317239	10.33	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	302694	9.99	PPBV		95
69) 1,1,2-TRICHLOROETHANE	12.022	83	188983	10.06	PPBV		97
71) 2-HEXANONE	12.545	58	217285	10.06	PPBV		90
72) ETHYL METHACRYLATE	12.545	69	325606	9.77	PPBV		90
73) TETRACHLOROETHYLENE	13.445	164	264470	8.07	PPBV		98
74) DIBROMOCHLOROMETHANE	12.728	129	428242	8.95	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	340068	8.97	PPBV		100
76) OCTANE	13.275	43	526095	11.12	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	305714	9.02	PPBV		98
78) CHLOROBENZENE	14.151	112	500634	9.10	PPBV		98
79) ETHYLBENZENE	14.540	91	849138	9.28	PPBV		99
80) m,p-XYLENE	14.735	106	636139	18.59	PPBV		100
81) o-XYLENE	15.246	106	313469	9.35	PPBV		99
82) STYRENE	15.124	104	472893	9.23	PPBV		100
83) NONANE	15.471	43	547064	11.42	PPBV		96
84) BROMOFORM	14.826	173	395947	8.70	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	450038	9.87	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	371821	9.64	PPBV		97
88) ISOPROPYLBENZENE	15.903	105	975329	9.33	PPBV		99
89) BROMOBENZENE	16.007	77	426943	9.35	PPBV		93
90) 2-CHLOROTOLUENE	16.451	126	227552	9.11	PPBV		100
91) n-PROPYLBENZENE	16.487	120	256764	9.31	PPBV		99
92) 4-ETHYLTOLUENE	16.658	105	902723	9.54	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.749	105	776472	9.30	PPBV		100
94) ALPHA-METHYLSTYRENE	16.931	118	376698	9.54	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	179962	9.31	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:37:15 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

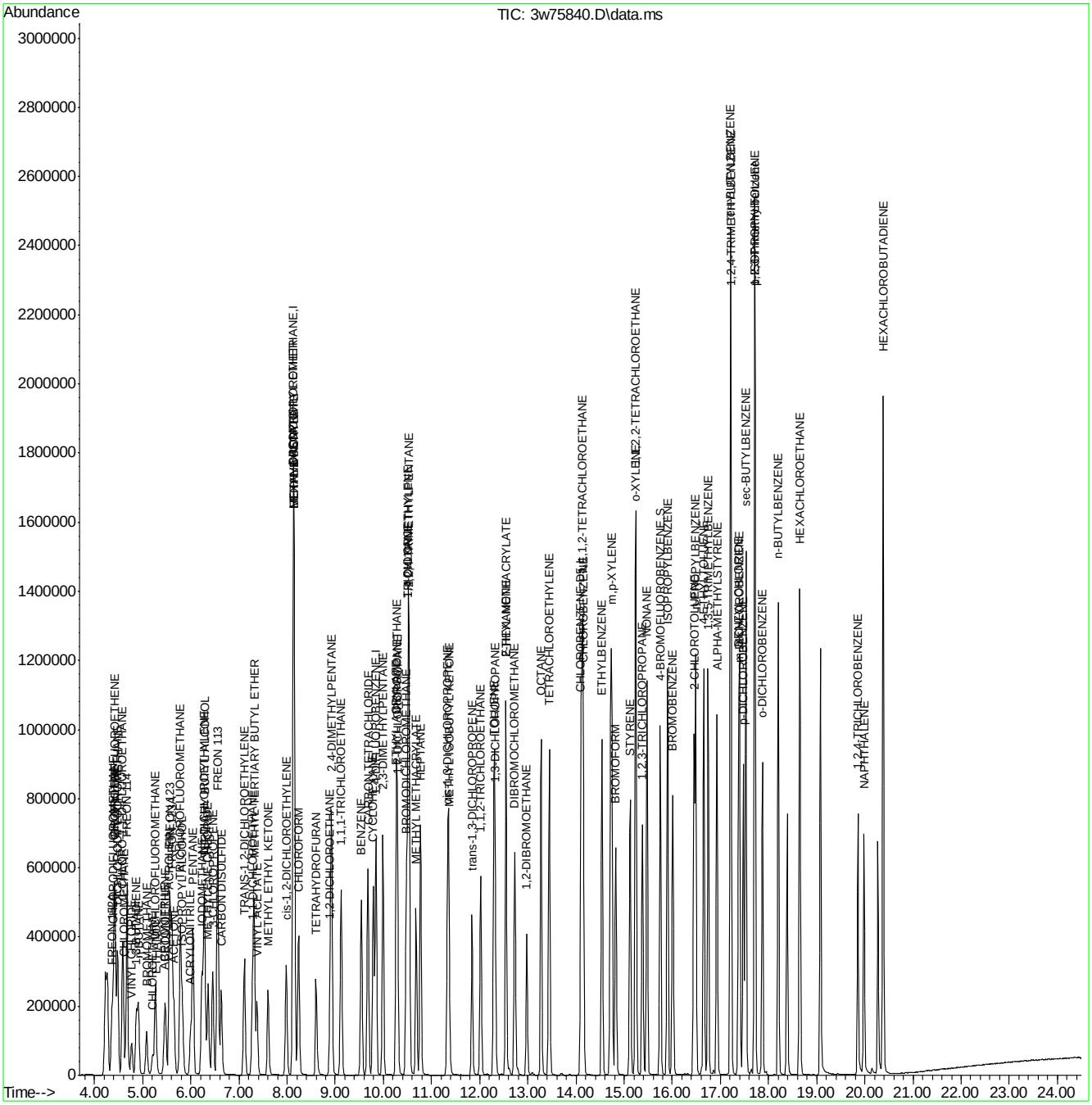
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	765695	9.69	PPBV		99
97) m-DICHLOROBENZENE	17.400	146	452490	9.09	PPBV		99
98) BENZYL CHLORIDE	17.381	91	557341	9.55	PPBV		99
99) p-DICHLOROBENZENE	17.479	146	441590	8.96	PPBV		99
100) sec-BUTYLBENZENE	17.527	134	230086	9.25	PPBV		95
101) 1,2,3-Trimethylbenzene	17.716	105	781096	9.56	PPBV		99
102) p-ISOPROPYLTOLUENE	17.716	134	246611m	9.38	PPBV		
103) o-DICHLOROBENZENE	17.874	146	439838	9.19	PPBV		99
104) n-BUTYLBENZENE	18.203	134	222404	9.59	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	321035	9.32	PPBV		96
106) HEXACHLOROBUTADIENE	20.381	225	405791	8.88	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	19.857	180	279634	10.05	PPBV		99
108) NAPHTHALENE	19.979	128	611092	9.93	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:37:15 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Manual Integration Approval Summary

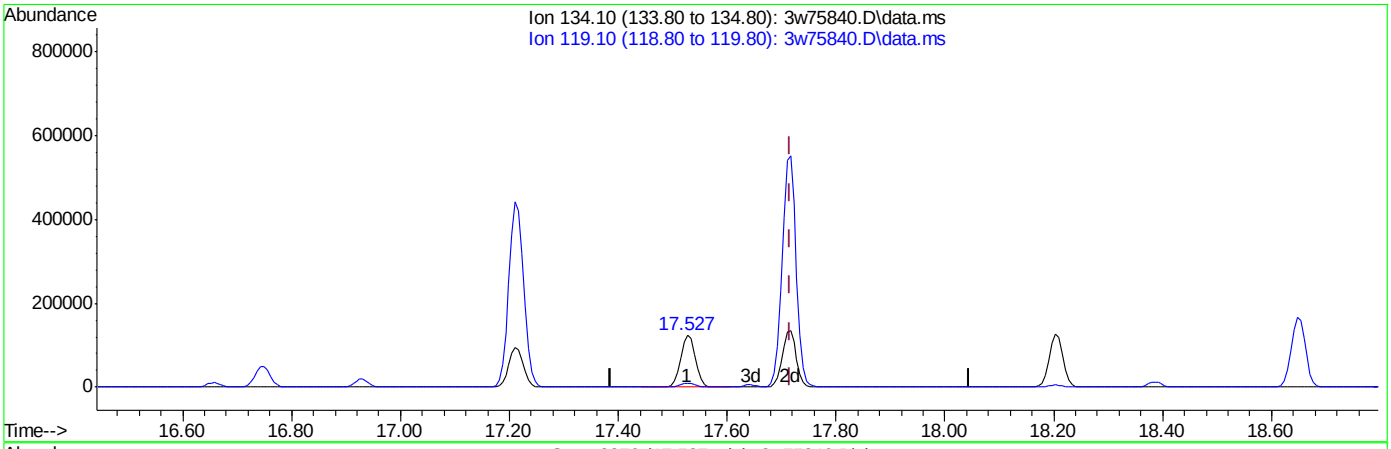
Sample Number:	V3W2984-BS	**Method:**	TO-15
Lab FileID:	3W75840.D	**Analyst approved:**	04/29/22 00:39 Benjamin Kim
Injection Time:	04/26/22 08:41	**Supervisor approved:**	04/29/22 00:42 Kanya Veerawat

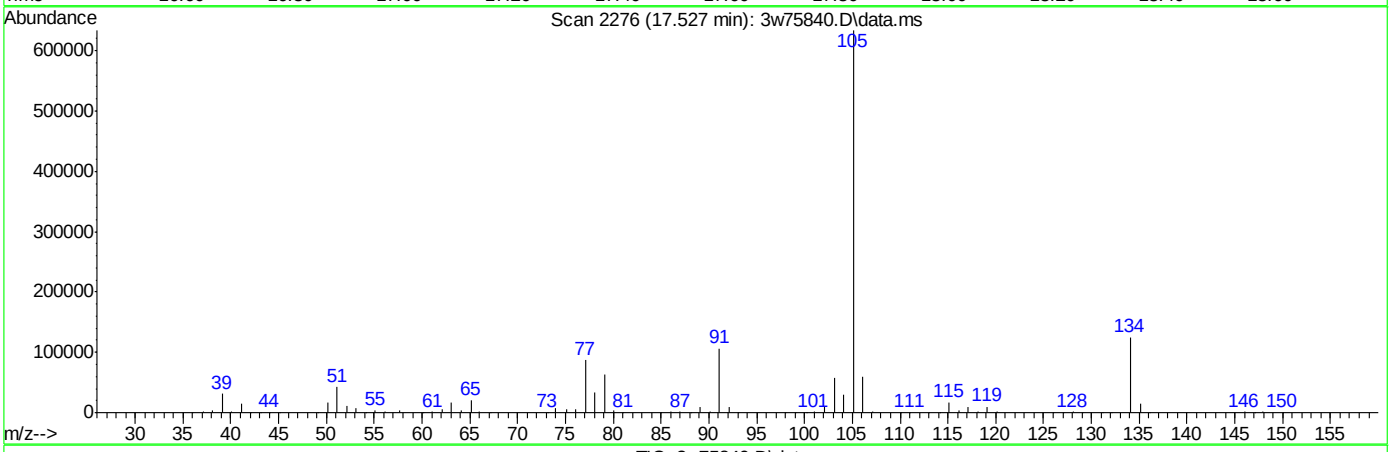
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:36:58 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75840.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 8.76PPBV

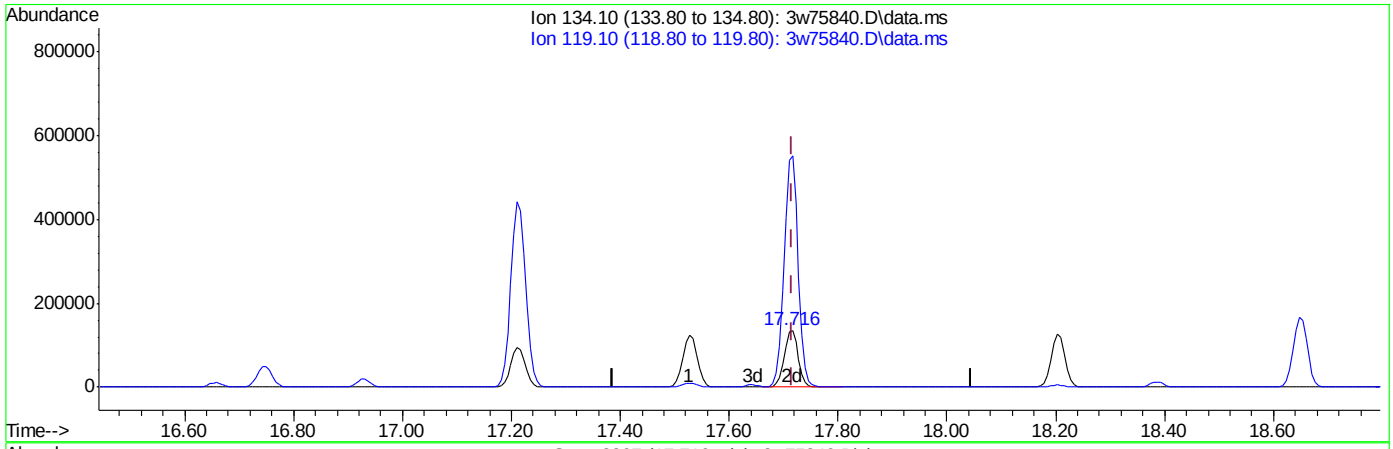
response 230086

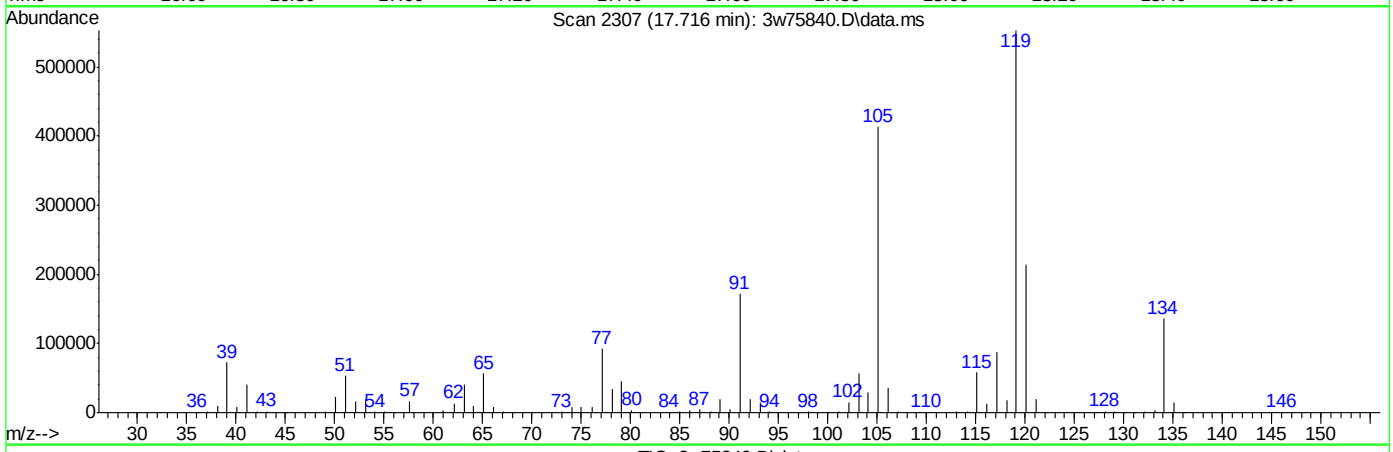
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75840.D
Acq On : 26 Apr 2022 8:41 am
Operator : thomash
Sample : bs
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 00:36:58 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75840.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (+0.000) 9.38PPBV m

response 246611

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.91
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 00:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:56:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	127018	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	658841	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	357392	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	414236	10.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.10%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	108729	10.36	PPBV		99
4) CHLORODIFLUOROMETHANE	4.393	67	55122	9.90	PPBV		97
5) CHLOROTRIFLUOROETHENE	4.423	116	236319	9.40	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.472	85	578013	9.90	PPBV		100
7) PROPYLENE	4.417	41	183650	11.39	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	420975	9.84	PPBV		97
9) FREON 114	4.667	85	390267	8.91	PPBV		98
10) CHLOROMETHANE	4.600	52	50951	10.50	PPBV	#	82
11) VINYL CHLORIDE	4.770	62	139806	9.03	PPBV		100
12) 1,3-BUTADIENE	4.868	54	109438	8.91	PPBV		94
13) n-BUTANE	4.904	43	234664	9.59	PPBV		98
14) BROMOMETHANE	5.074	94	120967	7.35	PPBV		100
15) CHLOROETHANE	5.202	64	63631	8.72	PPBV		97
16) DICHLOROFLUOROMETHANE	5.257	67	324552	8.60	PPBV		99
17) ACETONITRILE	5.452	41	141367	10.79	PPBV		99
18) ACROLEIN	5.549	56	52433	9.25	PPBV		91
19) FREON 123	5.561	83	369074	9.56	PPBV		99
20) FREON 123A	5.604	117	217718	9.37	PPBV		90
21) TRICHLOROFLUOROMETHANE	5.780	101	503338	9.76	PPBV		99
22) ISOPROPYL ALCOHOL	5.817	45	387777	11.04	PPBV		99
23) ACETONE	5.646	58	87666	10.22	PPBV		98
24) PENTANE	6.042	42	226285	11.68	PPBV		97
25) IODOMETHANE	6.224	142	464692	9.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	6.273	96	170759	9.64	PPBV		91
27) CARBON DISULFIDE	6.632	76	518281	10.28	PPBV		98
28) ETHANOL	5.275	45	64444	9.17	PPBV		98
29) BROMOETHENE	5.470	106	139177	8.63	PPBV		99
30) ACRYLONITRILE	5.993	52	129104	11.51	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	155611	9.27	PPBV		91
32) 3-CHLOROPROPENE	6.455	76	84463	10.34	PPBV	#	85
33) FREON 113	6.553	151	297269	9.22	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	7.112	96	175316	9.44	PPBV		93
35) TERTIARY BUTYL ALCOHOL	6.285	59	364488	10.43	PPBV		96
36) METHYL TERTIARY BUTYL ...	7.313	73	530887	9.82	PPBV		95
37) TETRAHYDROFURAN	8.597	72	83924	10.16	PPBV	#	84
38) HEXANE	8.147	57	292420	10.95	PPBV		96
39) VINYL ACETATE	7.374	86	30058	10.13	PPBV	#	76
40) 1,1-DICHLOROETHANE	7.277	63	336098	10.48	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	85296	10.18	PPBV	#	77
42) cis-1,2-DICHLOROETHYLENE	7.982	96	183556	9.70	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:56:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	86301	10.89	PPBV	#	84
44) ETHYL ACETATE	8.147	61	61899	11.10	PPBV	#	85
45) METHYL ACRYLATE	8.147	55	354331	10.73	PPBV		98
46) CHLOROFORM	8.238	83	395391	9.51	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.919	57	342010	10.73	PPBV		98
48) 1,1,1-TRICHLOROETHANE	9.120	97	436894	9.41	PPBV		98
49) CARBON TETRACHLORIDE	9.674	117	466945	9.62	PPBV		99
50) 1,2-DICHLOROETHANE	8.889	62	281148	9.99	PPBV		99
52) BENZENE	9.540	78	540492	9.91	PPBV		99
53) CYCLOHEXANE	9.789	84	233841	9.42	PPBV		93
54) 2,3-DIMETHYLPENTANE	9.990	71	123413	10.57	PPBV		94
55) TRICHLOROETHYLENE	10.513	95	247545	9.38	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	213662	10.55	PPBV		97
57) DIBROMOMETHANE	10.276	174	225183	8.85	PPBV		93
58) ETHYL ACRYLATE	10.264	55	437949	10.92	PPBV		98
59) BROMODICHLOROMETHANE	10.477	83	443275	9.92	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	952110	11.00	PPBV		99
61) 1,4-DIOXANE	10.513	88	118230	9.97	PPBV		95
62) HEPTANE	10.769	43	393062	11.63	PPBV		93
63) METHYL METHACRYLATE	10.677	69	199288	10.10	PPBV		89
64) METHYL ISOBUTYL KETONE	11.353	58	171895	10.77	PPBV	#	89
65) cis-1,3-DICHLOROPROPENE	11.334	75	334326	10.16	PPBV		94
66) TOLUENE	12.296	92	382925	9.80	PPBV		99
67) 1,3-DICHLOROPROPANE	12.320	76	324531	10.33	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	310730	10.02	PPBV		95
69) 1,1,2-TRICHLOROETHANE	12.022	83	194422	10.11	PPBV		98
71) 2-HEXANONE	12.545	58	224926	10.12	PPBV		92
72) ETHYL METHACRYLATE	12.545	69	335625	9.79	PPBV		91
73) TETRACHLOROETHYLENE	13.445	164	268538	7.96	PPBV		97
74) DIBROMOCHLOROMETHANE	12.728	129	441689	8.97	PPBV		99
75) 1,2-DIBROMOETHANE	12.977	107	350405	8.98	PPBV		100
76) OCTANE	13.275	43	537393	11.03	PPBV		92
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	310352	8.90	PPBV		98
78) CHLOROBENZENE	14.151	112	513302	9.06	PPBV		98
79) ETHYLBENZENE	14.540	91	871969	9.26	PPBV		99
80) m,p-XYLENE	14.729	106	651495	18.50	PPBV		100
81) o-XYLENE	15.246	106	317649	9.21	PPBV		99
82) STYRENE	15.124	104	481804	9.14	PPBV		100
83) NONANE	15.471	43	555440	11.27	PPBV		96
84) BROMOFORM	14.826	173	403115	8.61	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	457360	9.75	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	378508	9.53	PPBV		97
88) ISOPROPYLBENZENE	15.903	105	990976	9.21	PPBV		99
89) BROMOBENZENE	16.007	77	433195	9.22	PPBV		93
90) 2-CHLOROTOLUENE	16.451	126	232032	9.03	PPBV		99
91) n-PROPYLBENZENE	16.487	120	260364	9.17	PPBV		100
92) 4-ETHYLTOLUENE	16.658	105	916273	9.41	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	783262	9.12	PPBV		100
94) ALPHA-METHYLSTYRENE	16.931	118	378530	9.32	PPBV		100
95) tert-BUTYLBENZENE	17.211	134	181408	9.12	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:56:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

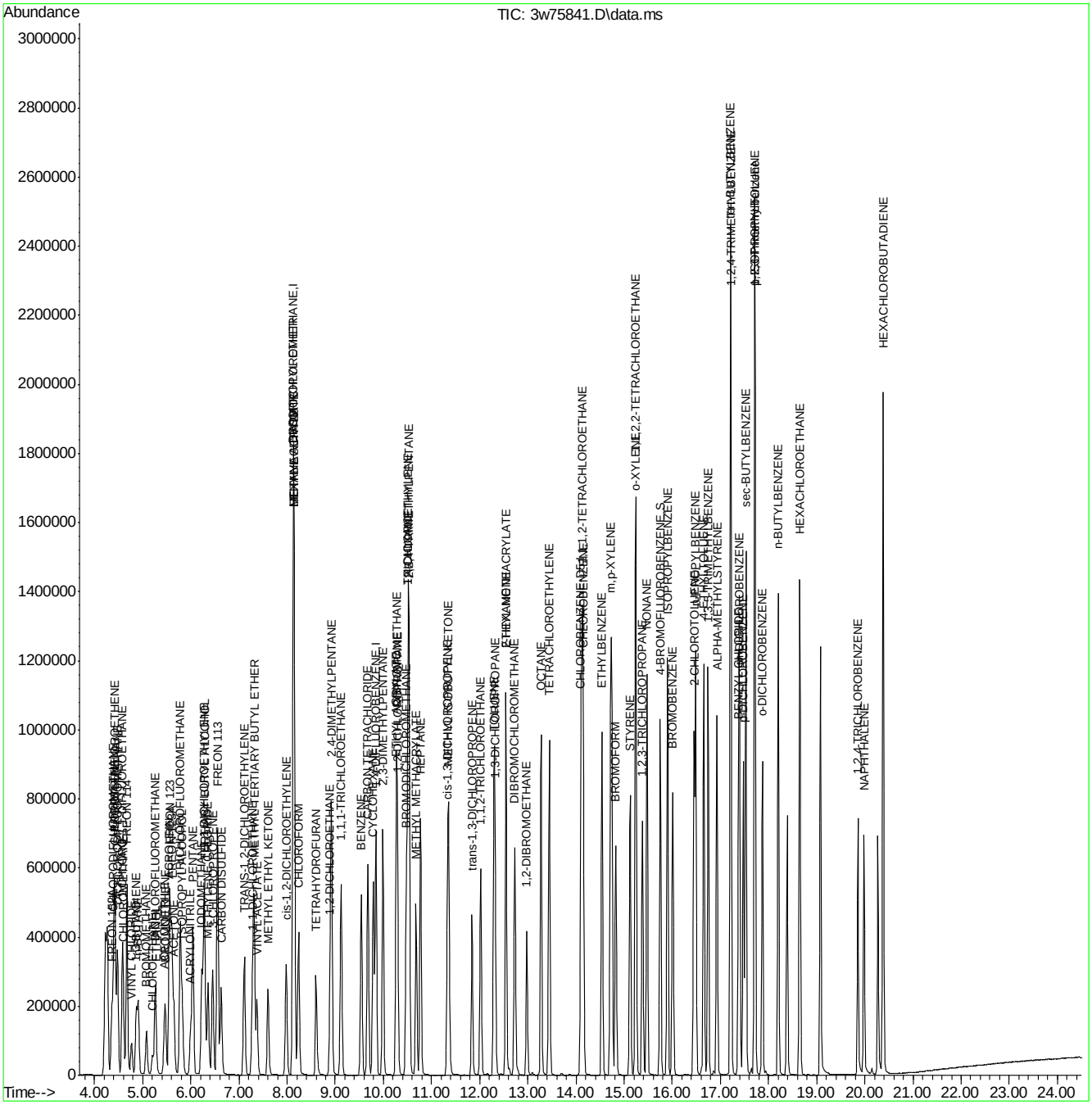
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	774482	9.52	PPBV		99
97) m-DICHLOROBENZENE	17.400	146	452181	8.83	PPBV		99
98) BENZYL CHLORIDE	17.375	91	567007	9.44	PPBV		99
99) p-DICHLOROBENZENE	17.479	146	447263	8.82	PPBV		99
100) sec-BUTYLBENZENE	17.527	134	231399	9.04	PPBV		95
101) 1,2,3-Trimethylbenzene	17.716	105	783989	9.33	PPBV		100
102) p-ISOPROPYLTOLUENE	17.716	134	249418m	9.22	PPBV		
103) o-DICHLOROBENZENE	17.874	146	443912	9.01	PPBV		99
104) n-BUTYLBENZENE	18.203	134	223477	9.37	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	327138	9.23	PPBV		96
106) HEXACHLOROBUTADIENE	20.381	225	408466	8.69	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	19.857	180	274152	9.57	PPBV		100
108) NAPHTHALENE	19.979	128	614779	9.71	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:56:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Manual Integration Approval Summary

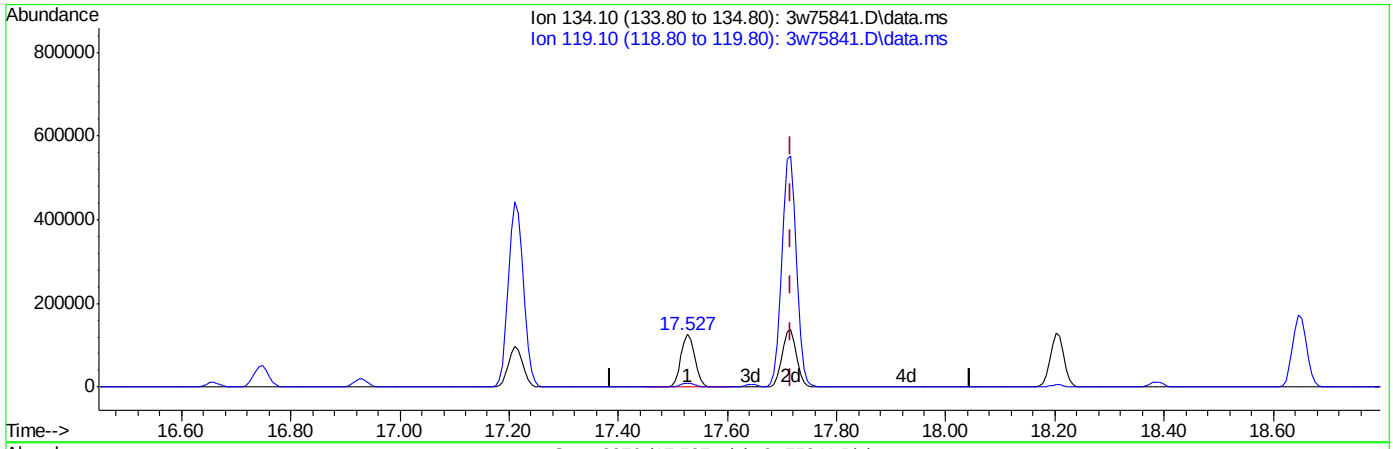
Sample Number:	V3W2984-BSD	**Method:**	TO-15
Lab FileID:	3W75841.D	**Analyst approved:**	04/29/22 00:41 Kanya Veerawat
Injection Time:	04/26/22 09:21	**Supervisor approved:**	04/29/22 00:42 Kanya Veerawat

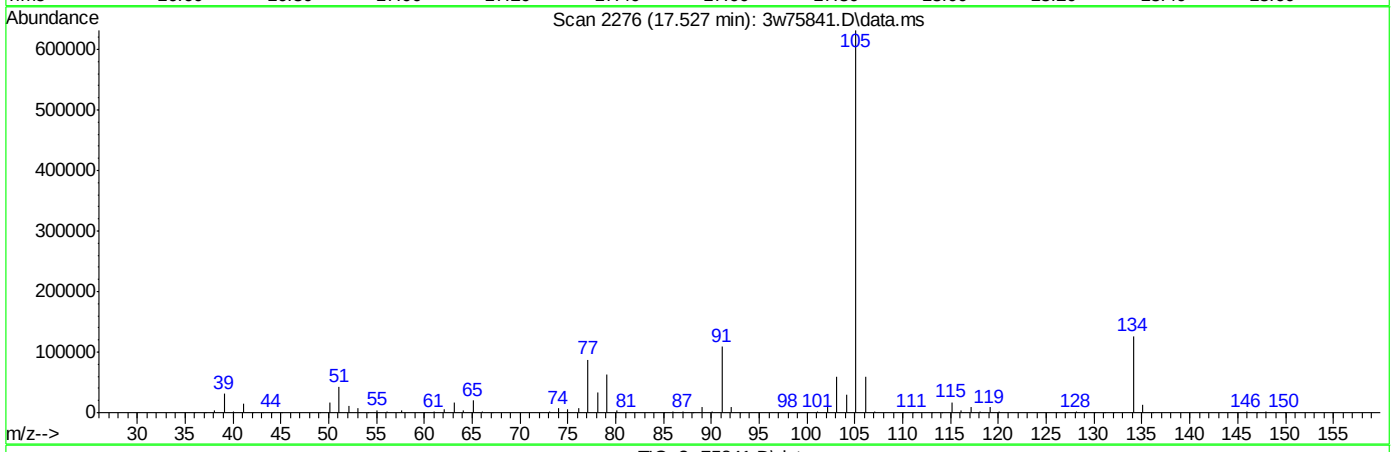
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:55:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75841.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 8.56PPBV

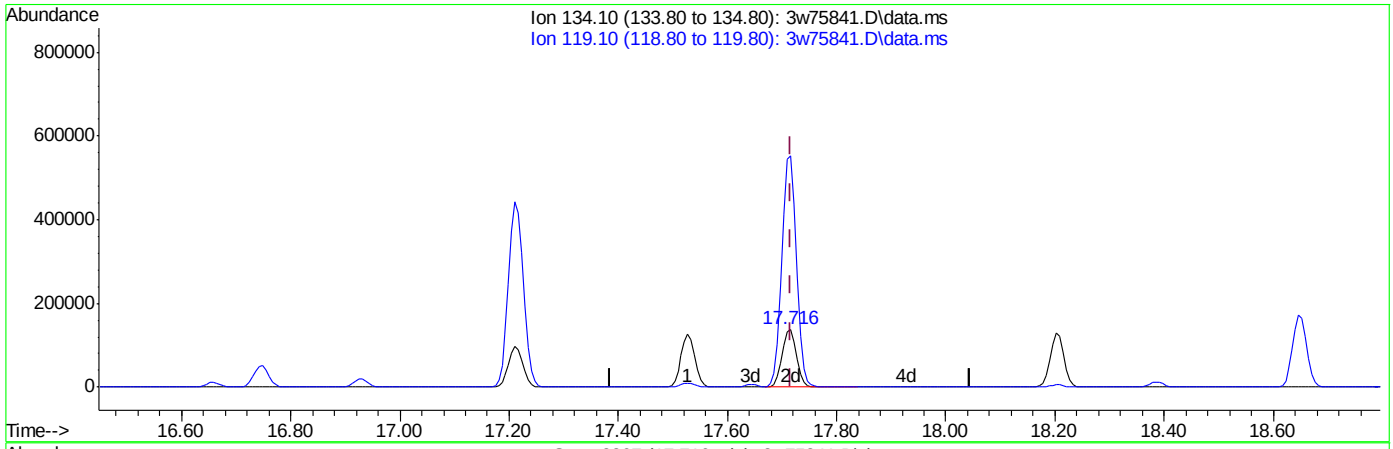
response 231399

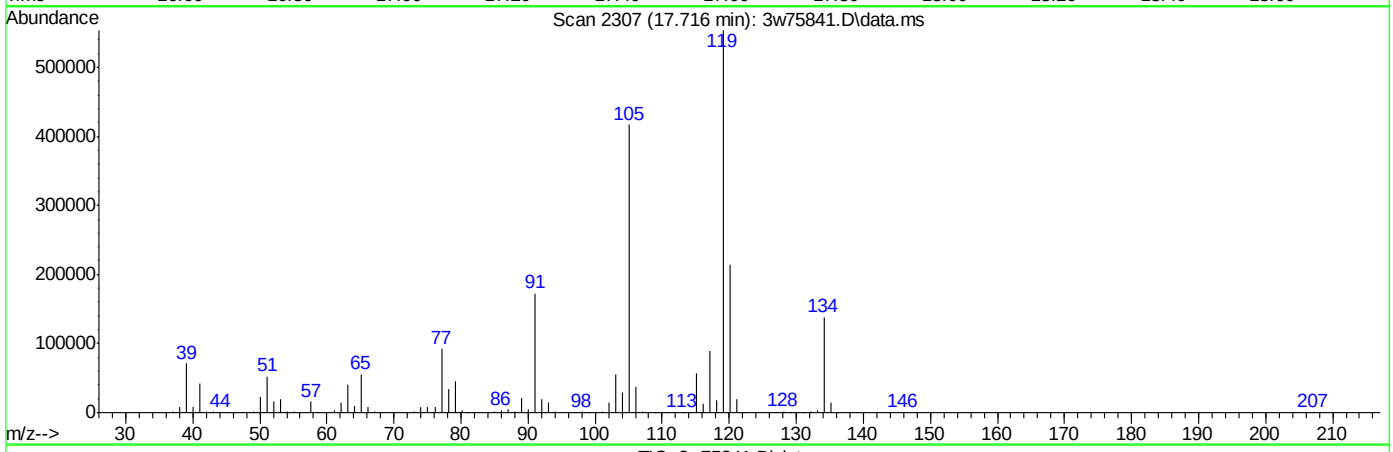
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75841.D
Acq On : 26 Apr 2022 9:21 am
Operator : thomash
Sample : bsd
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:55:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75841.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (+0.000) 9.22PPBV m

response 249418

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.87
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:56 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	99544	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	511079	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	282231	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	334856	11.16	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.60%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	87191	10.60	PPBV		92
4) CHLORODIFLUOROMETHANE	4.393	67	47741	10.94	PPBV		99
5) CHLOROTRIFLUOROETHENE	4.423	116	189341	9.61	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.478	85	485836	10.62	PPBV		99
7) PROPYLENE	4.417	41	150057	11.88	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	357818	10.68	PPBV		97
9) FREON 114	4.673	85	341777	9.96	PPBV		98
10) CHLOROMETHANE	4.600	52	39713	10.45	PPBV		96
11) VINYL CHLORIDE	4.770	62	119869	9.88	PPBV		100
12) 1,3-BUTADIENE	4.867	54	96132	9.99	PPBV		90
13) n-BUTANE	4.910	43	211152	11.01	PPBV		97
14) BROMOMETHANE	5.080	94	102920	7.98	PPBV		100
15) CHLOROETHANE	5.202	64	53793	9.41	PPBV		88
16) DICHLOROFLUOROMETHANE	5.263	67	284152	9.61	PPBV		99
17) ACETONITRILE	5.452	41	120841	11.76	PPBV		99
18) ACROLEIN	5.549	56	40117	9.03	PPBV		97
19) FREON 123	5.561	83	287386	9.50	PPBV		99
20) FREON 123A	5.604	117	172993	9.50	PPBV		91
21) TRICHLOROFLUOROMETHANE	5.780	101	425347	10.52	PPBV		99
22) ISOPROPYL ALCOHOL	5.823	45	311836	11.32	PPBV		99
23) ACETONE	5.646	58	67886	10.10	PPBV	#	80
24) PENTANE	6.042	42	180305	11.88	PPBV		99
25) IODOMETHANE	6.230	142	370298	9.50	PPBV		95
26) 1,1-DICHLOROETHYLENE	6.273	96	133388	9.61	PPBV		87
27) CARBON DISULFIDE	6.632	76	399363	10.11	PPBV		95
28) ETHANOL	5.281	45	53539	9.72	PPBV		98
29) BROMOETHENE	5.470	106	114167	9.03	PPBV		97
30) ACRYLONITRILE	5.993	52	99768	11.35	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	121086	9.20	PPBV		87
32) 3-CHLOROPROPENE	6.449	76	65325	10.21	PPBV	#	74
33) FREON 113	6.559	151	241913	9.57	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	7.112	96	135745	9.33	PPBV		91
35) TERTIARY BUTYL ALCOHOL	6.285	59	295188	10.77	PPBV		94
36) METHYL TERTIARY BUTYL ...	7.313	73	422760	9.98	PPBV		94
37) TETRAHYDROFURAN	8.597	72	62973	9.72	PPBV	#	79
38) HEXANE	8.140	57	226640	10.83	PPBV		90
39) VINYL ACETATE	7.374	86	22114	9.51	PPBV	#	55
40) 1,1-DICHLOROETHANE	7.283	63	262335	10.44	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	64680	9.85	PPBV	#	68
42) cis-1,2-DICHLOROETHYLENE	7.982	96	137915	9.30	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:56 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	66583	10.72	PPBV	#	78
44) ETHYL ACETATE	8.140	61	46922	10.74	PPBV	#	64
45) METHYL ACRYLATE	8.140	55	279472	10.80	PPBV		98
46) CHLOROFORM	8.238	83	319320	9.80	PPBV		97
47) 2,4-DIMETHYLPENTANE	8.919	57	261398	10.47	PPBV		98
48) 1,1,1-TRICHLOROETHANE	9.120	97	357971	9.84	PPBV		97
49) CARBON TETRACHLORIDE	9.674	117	393193	10.34	PPBV		99
50) 1,2-DICHLOROETHANE	8.889	62	234628	10.64	PPBV		99
52) BENZENE	9.540	78	412664	9.75	PPBV		98
53) CYCLOHEXANE	9.789	84	177652	9.23	PPBV		93
54) 2,3-DIMETHYLPENTANE	9.990	71	92563	10.22	PPBV		90
55) TRICHLOROETHYLENE	10.513	95	197167	9.63	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	164227	10.46	PPBV		100
57) DIBROMOMETHANE	10.270	174	183818	9.31	PPBV		94
58) ETHYL ACRYLATE	10.264	55	340211	10.94	PPBV		98
59) BROMODICHLOROMETHANE	10.477	83	358556	10.34	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.525	57	742428	11.06	PPBV		99
61) 1,4-DIOXANE	10.513	88	89760	9.76	PPBV	#	68
62) HEPTANE	10.769	43	307261	11.72	PPBV		92
63) METHYL METHACRYLATE	10.677	69	152619	9.97	PPBV	#	83
64) METHYL ISOBUTYL KETONE	11.353	58	131135	10.60	PPBV	#	84
65) cis-1,3-DICHLOROPROPENE	11.328	75	260875	10.22	PPBV		87
66) TOLUENE	12.296	92	294950	9.73	PPBV		98
67) 1,3-DICHLOROPROPANE	12.320	76	252365	10.35	PPBV		98
68) trans-1,3-DICHLOROPROPENE	11.839	75	244688	10.17	PPBV		91
69) 1,1,2-TRICHLOROETHANE	12.022	83	149403	10.02	PPBV		98
71) 2-HEXANONE	12.539	58	170466	9.72	PPBV	#	84
72) ETHYL METHACRYLATE	12.545	69	258271	9.54	PPBV		86
73) TETRACHLOROETHYLENE	13.445	164	215537	8.09	PPBV		98
74) DIBROMOCHLOROMETHANE	12.727	129	357093	9.19	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	272736	8.85	PPBV		100
76) OCTANE	13.275	43	423104	11.00	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	14.127	131	256502	9.32	PPBV		97
78) CHLOROBENZENE	14.151	112	403081	9.01	PPBV		98
79) ETHYLBENZENE	14.540	91	682375	9.17	PPBV		99
80) m,p-XYLENE	14.729	106	512964	18.44	PPBV		99
81) o-XYLENE	15.240	106	253803	9.32	PPBV		98
82) STYRENE	15.124	104	375271	9.01	PPBV		99
83) NONANE	15.471	43	447351	11.49	PPBV		94
84) BROMOFORM	14.826	173	334869	9.06	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.234	83	360741	9.73	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	302049	9.63	PPBV		97
88) ISOPROPYLBENZENE	15.897	105	794671	9.36	PPBV		99
89) BROMOBENZENE	16.006	77	339649	9.15	PPBV		96
90) 2-CHLOROTOLUENE	16.451	126	185227	9.13	PPBV		100
91) n-PROPYLBENZENE	16.487	120	208195	9.29	PPBV		99
92) 4-ETHYLTOLUENE	16.657	105	737874	9.60	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	636176	9.38	PPBV		99
94) ALPHA-METHYLSTYRENE	16.925	118	302797	9.44	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	148968	9.49	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:56 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

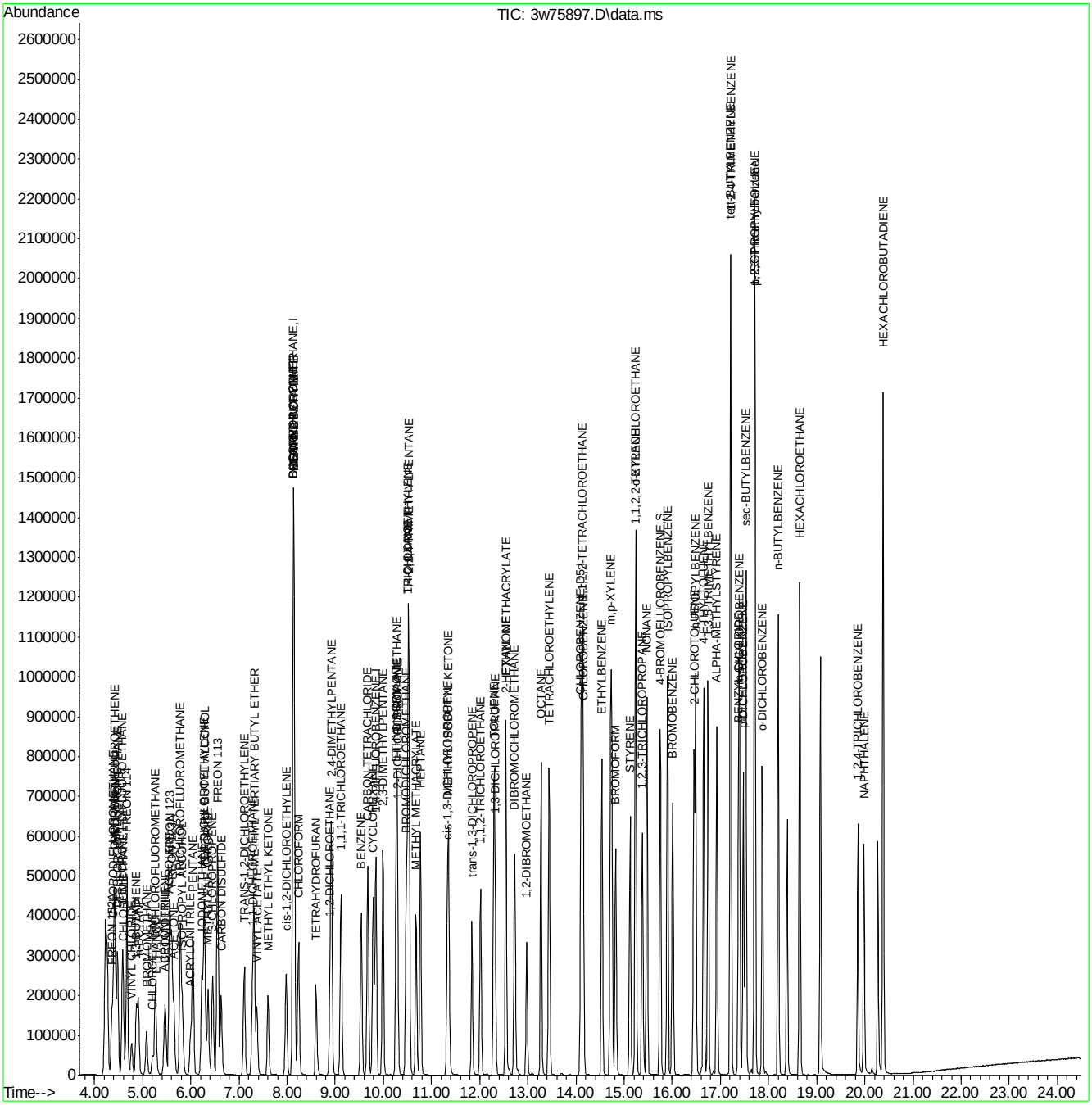
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	637875	9.93	PPBV		99
97) m-DICHLOROBENZENE	17.400	146	371558	9.19	PPBV		99
98) BENZYL CHLORIDE	17.375	91	459585	9.69	PPBV		99
99) p-DICHLOROBENZENE	17.473	146	360804	9.01	PPBV		99
100) sec-BUTYLBENZENE	17.527	134	191609	9.48	PPBV		97
101) 1,2,3-Trimethylbenzene	17.710	105	651292	9.81	PPBV		99
102) p-ISOPROPYLTOLUENE	17.716	134	205181m	9.61	PPBV		
103) o-DICHLOROBENZENE	17.874	146	362063	9.31	PPBV		99
104) n-BUTYLBENZENE	18.203	134	183571	9.74	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	269739	9.64	PPBV		97
106) HEXACHLOROBUTADIENE	20.381	225	353208	9.51	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	19.857	180	230562	10.19	PPBV		100
108) NAPHTHALENE	19.979	128	501250	10.02	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:56 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration



Manual Integration Approval Summary

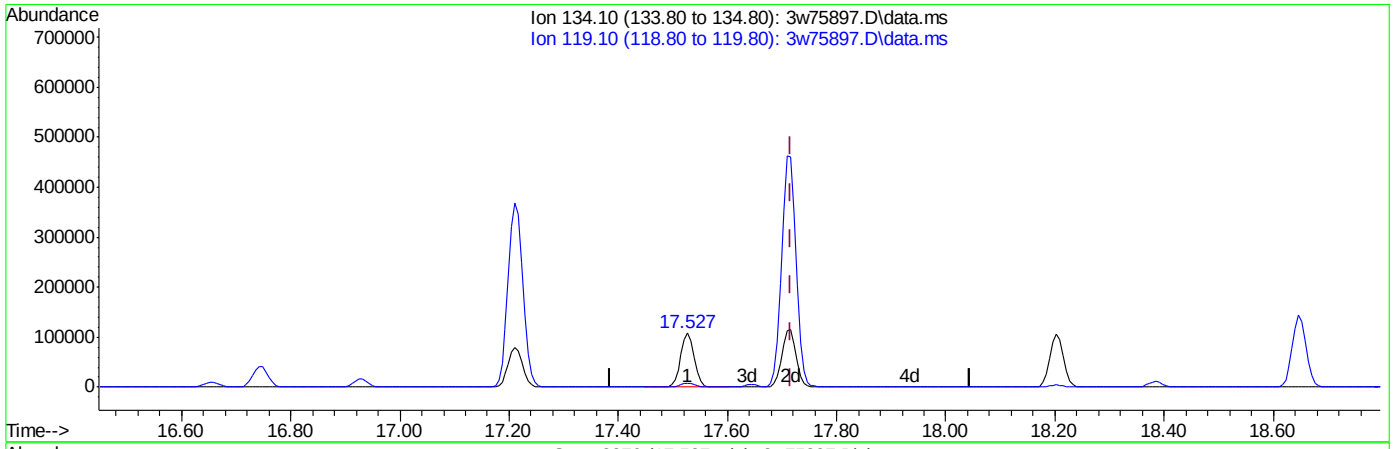
Sample Number:	V3W2986-BS	**Method:**	TO-15
Lab FileID:	3W75897.D	**Analyst approved:**	04/29/22 17:14 Benjamin Kim
Injection Time:	04/28/22 10:18	**Supervisor approved:**	04/29/22 17:42 Kanya Veerawat

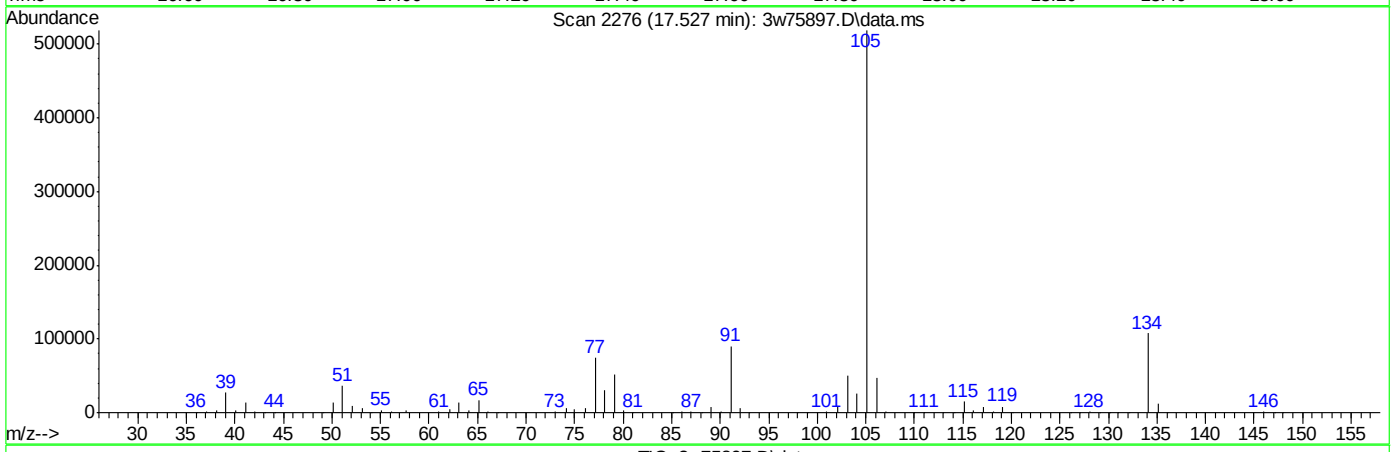
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 10:54:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration





TIC: 3w75897.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 8.97PPBV

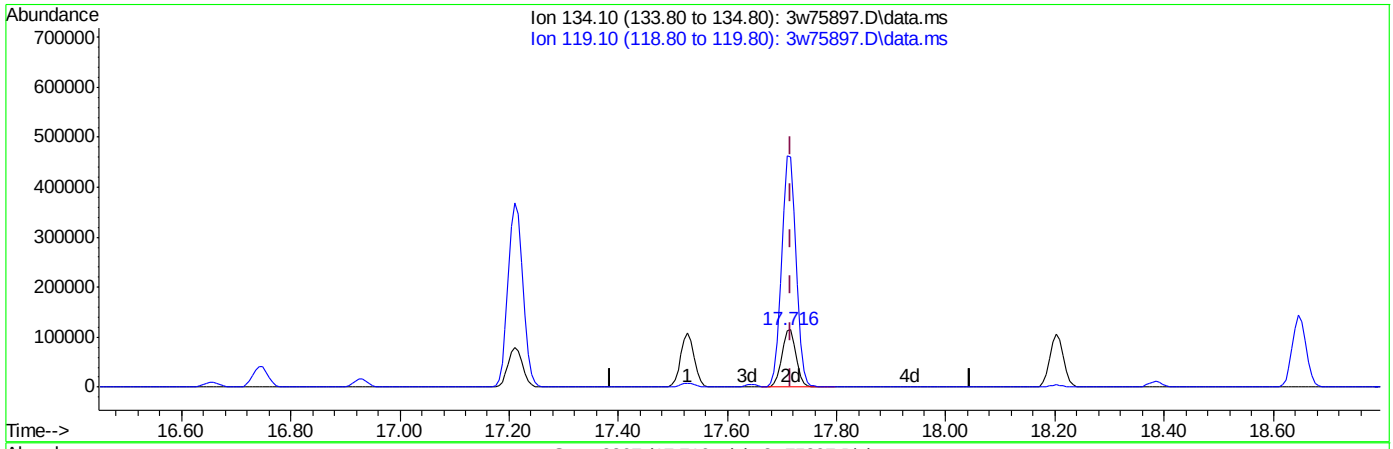
response 191609

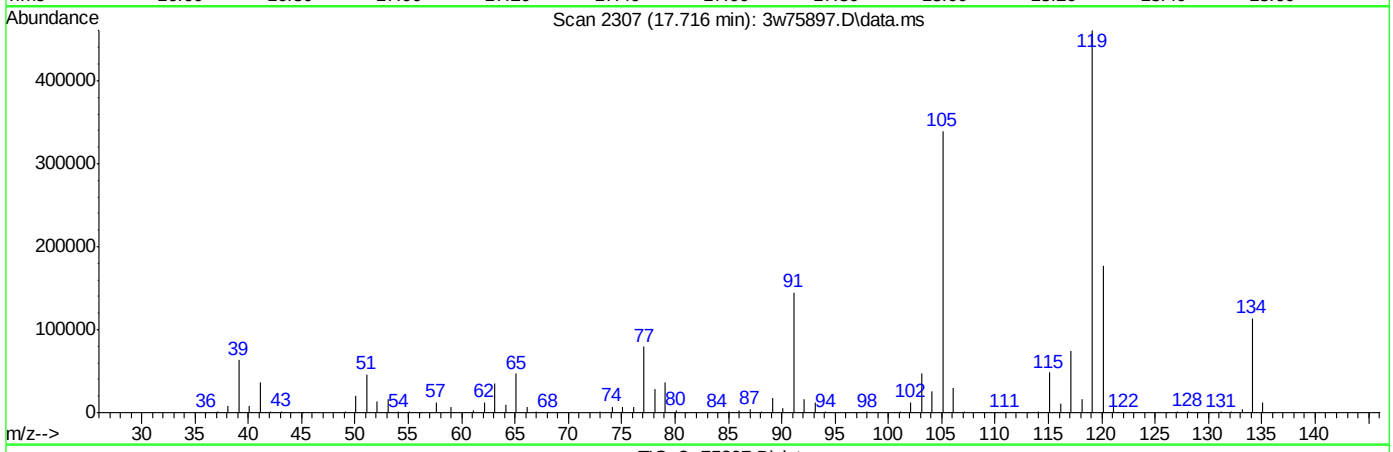
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75897.D
Acq On : 28 Apr 2022 10:18 am
Operator : thomash
Sample : bs
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 10:54:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration





TIC: 3w75897.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 9.61PPBV m

response 205181

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.90
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 17:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:37:14 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	100804	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	523727	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	290246	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	340992	11.05	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.50%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	89242	10.71	PPBV		92
4) CHLORODIFLUOROMETHANE	4.387	67	48709	11.02	PPBV		98
5) CHLOROTRIFLUOROETHENE	4.423	116	195728	9.81	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.472	85	492440	10.63	PPBV		99
7) PROPYLENE	4.411	41	155166	12.13	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	364262	10.73	PPBV		97
9) FREON 114	4.673	85	337608	9.72	PPBV		98
10) CHLOROMETHANE	4.600	52	40325	10.48	PPBV	#	89
11) VINYL CHLORIDE	4.764	62	123143	10.03	PPBV		100
12) 1,3-BUTADIENE	4.867	54	96188	9.87	PPBV		90
13) n-BUTANE	4.904	43	211222	10.87	PPBV		97
14) BROMOMETHANE	5.080	94	105825	8.10	PPBV		100
15) CHLOROETHANE	5.202	64	55560	9.59	PPBV		90
16) DICHLOROFLUOROMETHANE	5.263	67	292735	9.78	PPBV		98
17) ACETONITRILE	5.451	41	111610	10.74	PPBV		97
18) ACROLEIN	5.549	56	39655	8.81	PPBV		98
19) FREON 123	5.561	83	288039	9.40	PPBV		99
20) FREON 123A	5.604	117	174130	9.44	PPBV		92
21) TRICHLOROFLUOROMETHANE	5.780	101	431156	10.53	PPBV		99
22) ISOPROPYL ALCOHOL	5.823	45	317542	11.39	PPBV		100
23) ACETONE	5.646	58	62119	9.13	PPBV	#	83
24) PENTANE	6.042	42	185601	12.08	PPBV		98
25) IODOMETHANE	6.224	142	377403	9.56	PPBV		95
26) 1,1-DICHLOROETHYLENE	6.273	96	136225	9.69	PPBV		88
27) CARBON DISULFIDE	6.632	76	405932	10.14	PPBV		95
28) ETHANOL	5.281	45	54192	9.71	PPBV		98
29) BROMOETHENE	5.470	106	111911	8.74	PPBV		98
30) ACRYLONITRILE	5.999	52	102296	11.49	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	123052	9.23	PPBV		88
32) 3-CHLOROPROPENE	6.455	76	66026	10.19	PPBV	#	73
33) FREON 113	6.559	151	245748	9.60	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	7.112	96	138750	9.42	PPBV		91
35) TERTIARY BUTYL ALCOHOL	6.285	59	300469	10.83	PPBV		94
36) METHYL TERTIARY BUTYL ...	7.313	73	428569	9.99	PPBV		94
37) TETRAHYDROFURAN	8.597	72	65081	9.92	PPBV	#	80
38) HEXANE	8.140	57	231788	10.94	PPBV		91
39) VINYL ACETATE	7.374	86	22742	9.66	PPBV	#	59
40) 1,1-DICHLOROETHANE	7.277	63	270020	10.61	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	66531	10.00	PPBV	#	68
42) cis-1,2-DICHLOROETHYLENE	7.982	96	142257	9.47	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:37:14 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	67960	10.81	PPBV	#	77
44) ETHYL ACETATE	8.140	61	48183	10.89	PPBV	#	67
45) METHYL ACRYLATE	8.146	55	285025	10.88	PPBV		97
46) CHLOROFORM	8.238	83	326345	9.89	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.919	57	268140	10.60	PPBV		99
48) 1,1,1-TRICHLOROETHANE	9.120	97	366152	9.94	PPBV		97
49) CARBON TETRACHLORIDE	9.673	117	399062	10.36	PPBV		99
50) 1,2-DICHLOROETHANE	8.889	62	237959	10.66	PPBV		99
52) BENZENE	9.540	78	424068	9.78	PPBV		98
53) CYCLOHEXANE	9.789	84	181139	9.18	PPBV		92
54) 2,3-DIMETHYLPENTANE	9.990	71	94548	10.19	PPBV	#	90
55) TRICHLOROETHYLENE	10.513	95	201553	9.61	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	168785	10.49	PPBV		99
57) DIBROMOMETHANE	10.276	174	186049	9.20	PPBV		94
58) ETHYL ACRYLATE	10.264	55	348929	10.95	PPBV		98
59) BROMODICHLOROMETHANE	10.477	83	364786	10.27	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	758789	11.03	PPBV		99
61) 1,4-DIOXANE	10.513	88	92073	9.77	PPBV	#	76
62) HEPTANE	10.769	43	317333	11.81	PPBV		91
63) METHYL METHACRYLATE	10.677	69	155079	9.89	PPBV	#	83
64) METHYL ISOBUTYL KETONE	11.353	58	135334	10.67	PPBV	#	85
65) cis-1,3-DICHLOROPROPENE	11.328	75	265272	10.14	PPBV		87
66) TOLUENE	12.296	92	302207	9.73	PPBV		98
67) 1,3-DICHLOROPROPANE	12.320	76	256535	10.27	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	250098	10.15	PPBV		92
69) 1,1,2-TRICHLOROETHANE	12.022	83	151785	9.93	PPBV		99
71) 2-HEXANONE	12.545	58	175036	9.70	PPBV	#	86
72) ETHYL METHACRYLATE	12.545	69	265475	9.54	PPBV		87
73) TETRACHLOROETHYLENE	13.445	164	220111	8.04	PPBV		98
74) DIBROMOCHLOROMETHANE	12.727	129	363968	9.11	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	278690	8.80	PPBV		100
76) OCTANE	13.275	43	430161	10.88	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	14.127	131	260412	9.20	PPBV		98
78) CHLOROBENZENE	14.151	112	414682	9.02	PPBV		98
79) ETHYLBENZENE	14.540	91	697923	9.12	PPBV		99
80) m,p-XYLENE	14.735	106	522188	18.26	PPBV		98
81) o-XYLENE	15.240	106	256127	9.14	PPBV		97
82) STYRENE	15.124	104	382195	8.92	PPBV		99
83) NONANE	15.471	43	460470	11.50	PPBV		94
84) BROMOFORM	14.826	173	339522	8.93	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.234	83	366699	9.62	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	308747	9.57	PPBV		96
88) ISOPROPYLBENZENE	15.897	105	804597	9.21	PPBV		99
89) BROMOBENZENE	16.006	77	350578	9.18	PPBV		94
90) 2-CHLOROTOLUENE	16.451	126	188206	9.02	PPBV		100
91) n-PROPYLBENZENE	16.487	120	212267	9.21	PPBV		100
92) 4-ETHYLTOLUENE	16.657	105	750051	9.49	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	650229	9.32	PPBV		99
94) ALPHA-METHYLSTYRENE	16.925	118	308352	9.35	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	149844	9.28	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:37:14 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

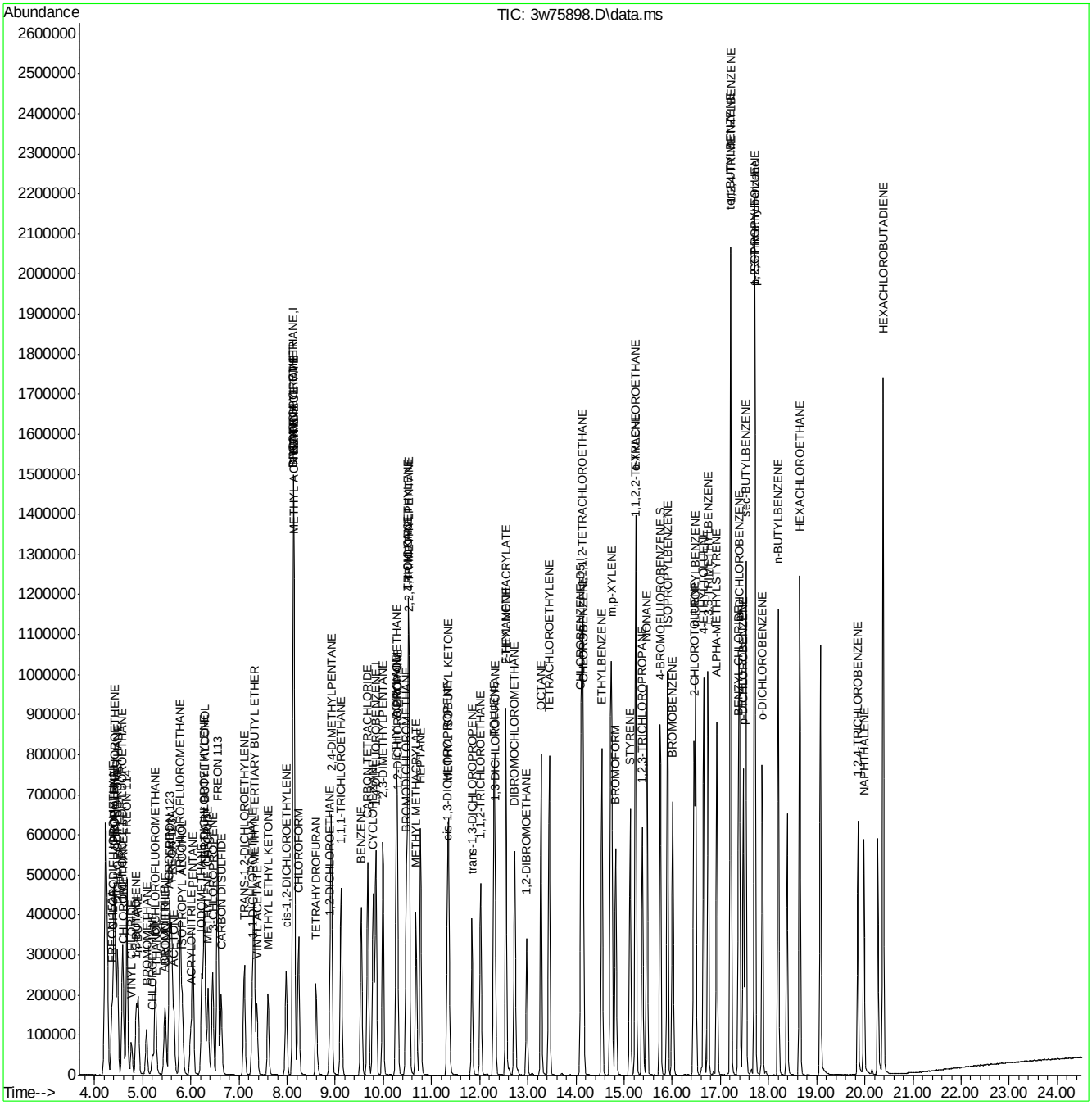
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	642067	9.72	PPBV		99
97) m-DICHLOROBENZENE	17.394	146	372983	8.97	PPBV		99
98) BENZYL CHLORIDE	17.375	91	465900	9.55	PPBV		98
99) p-DICHLOROBENZENE	17.473	146	363544	8.83	PPBV		100
100) sec-BUTYLBENZENE	17.527	134	192148	9.24	PPBV		95
101) 1,2,3-Trimethylbenzene	17.716	105	658957	9.65	PPBV		98
102) p-ISOPROPYLTOLUENE	17.716	134	207123m	9.43	PPBV		
103) o-DICHLOROBENZENE	17.868	146	365987	9.15	PPBV		99
104) n-BUTYLBENZENE	18.203	134	183830	9.49	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	273497	9.50	PPBV		96
106) HEXACHLOROBUTADIENE	20.381	225	359303	9.41	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	19.857	180	232090	9.98	PPBV		100
108) NAPHTHALENE	19.979	128	507547	9.87	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:37:14 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration



Manual Integration Approval Summary

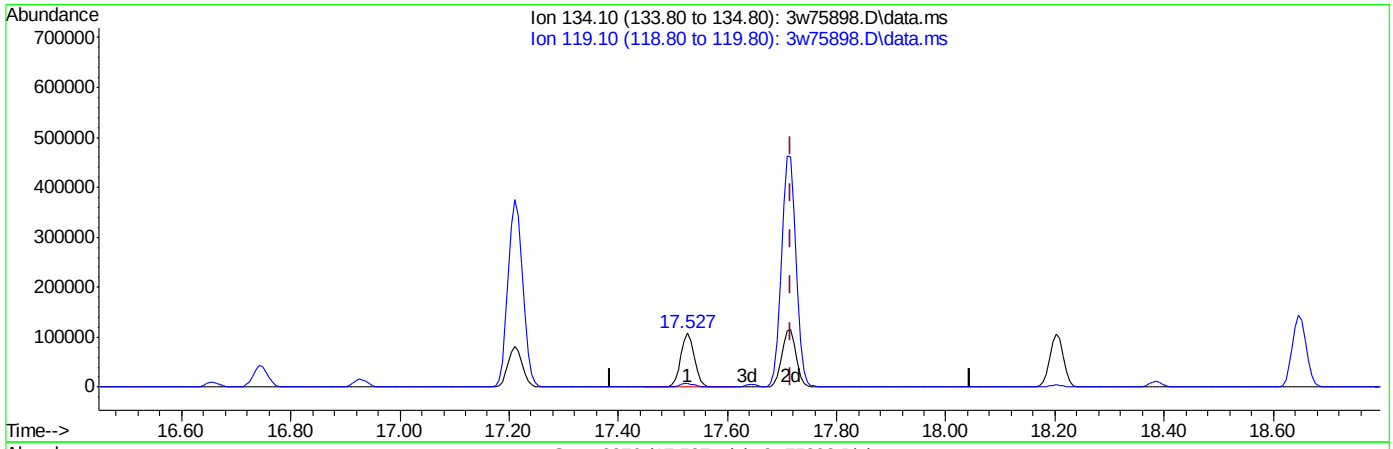
Sample Number:	V3W2986-BSD	**Method:**	TO-15
Lab FileID:	3W75898.D	**Analyst approved:**	04/29/22 17:14 Benjamin Kim
Injection Time:	04/28/22 10:59	**Supervisor approved:**	04/29/22 17:42 Kanya Veerawat

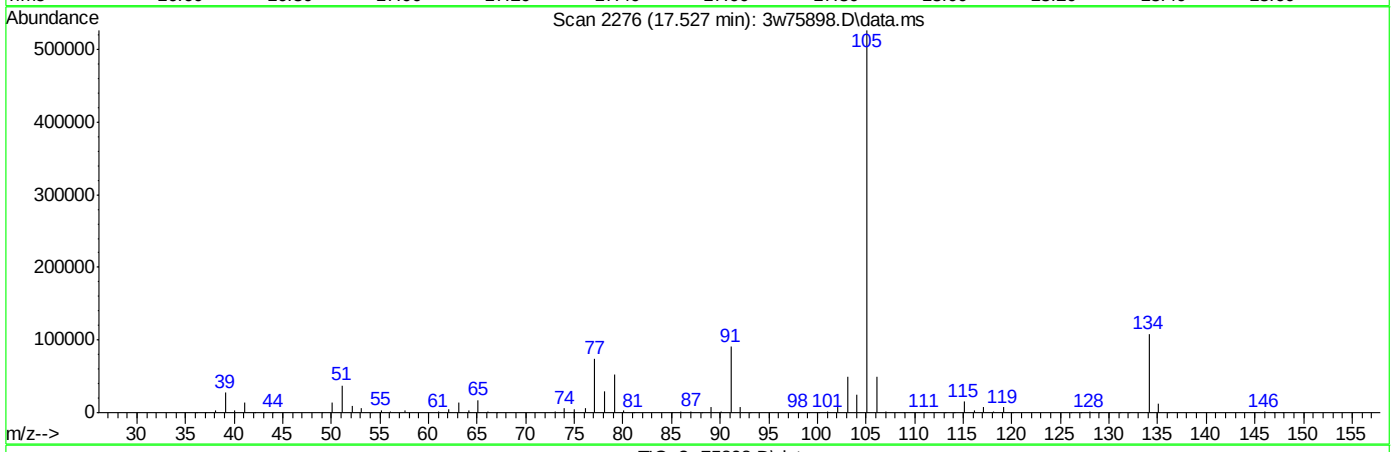
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 11:38:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration





TIC: 3w75898.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 8.75PPBV

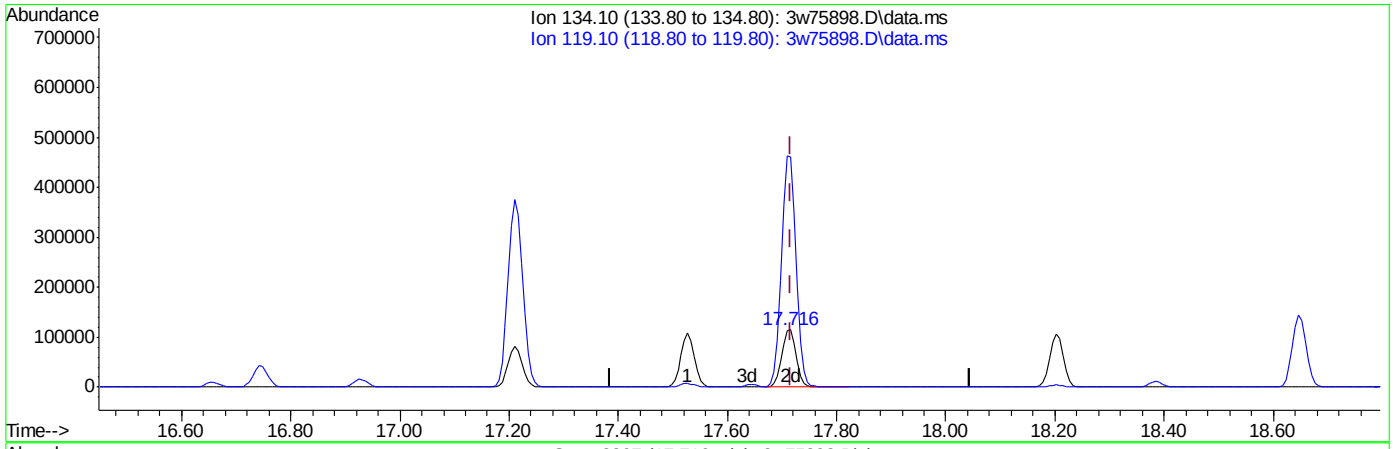
response 192148

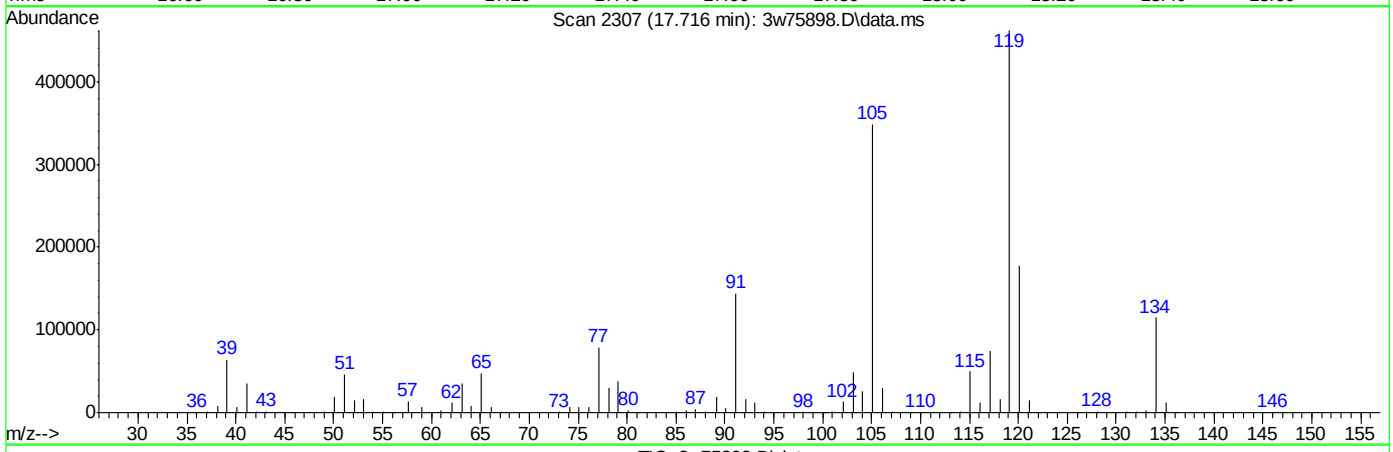
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.70
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75898.D
Acq On : 28 Apr 2022 10:59 am
Operator : thomash
Sample : bsd
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 11:38:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration





TIC: 3w75898.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 9.43PPBV m

response 207123

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58366.D
Acq On : 19 Mar 2022 1:43 pm
Operator : thomash
Sample : bs
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	227171	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	1143712	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1086481	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.080	95	747797	10.94	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	61279	9.81	PPBV		91
4) CHLORODIFLUOROMETHANE	1.833	67	31797	9.78	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.849	116	226140	9.38	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.868	85	914357	9.08	PPBV	#	97
7) PROPYLENE	1.843	41	57739	9.36	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	713770	8.89	PPBV		96
9) FREON 114	1.965	85	941471	8.84	PPBV		95
10) CHLOROMETHANE	1.926	52	68898	8.25	PPBV		96
11) VINYL CHLORIDE	2.007	62	266832	8.86	PPBV		98
12) 1,3-BUTADIENE	2.061	54	179335	8.56	PPBV	#	85
13) N-BUTANE	2.081	43	294553	8.51	PPBV		99
14) BROMOMETHANE	2.158	94	288368	8.34	PPBV		99
15) CHLOROETHANE	2.222	64	128002	8.41	PPBV		94
16) DICHLOROFLUOROMETHANE	2.257	67	576379	8.87	PPBV	#	97
17) ACETONITRILE	2.348	41	141427	8.27	PPBV		97
18) ACROLEIN	2.402	56	101202	8.35	PPBV		99
19) FREON 123	2.421	83	684435	8.85	PPBV		97
20) FREON 123A	2.444	117	429219	8.75	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.521	101	1054083	8.73	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	528247	8.07	PPBV		97
23) ACETONE	2.450	58	119783	8.03	PPBV		74
24) PENTANE	2.647	42	384055	7.79	PPBV		96
25) IODOMETHANE	2.704	142	1810380	8.33	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.733	96	660179	8.14	PPBV		99
27) CARBON DISULFIDE	2.868	76	2034069	8.55	PPBV	#	92
28) ETHANOL	2.261	45	72464	7.22	PPBV	#	97
29) BROMOETHENE	2.357	106	290416	8.41	PPBV	#	98
30) ACRYLONITRILE	2.614	52	277681	7.75	PPBV		97
31) METHYLENE CHLORIDE	2.772	84	598087	7.46	PPBV		97
32) 3-CHLOROPROPENE	2.814	76	311949	8.09	PPBV		94
33) FREON 113	2.868	151	1287571	8.28	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	3.110	96	688247	9.98	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.743	59	991539	8.18	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.222	73	689577	10.17	PPBV		100
37) TETRAHYDROFURAN	3.946	72	142006	11.28	PPBV		92
38) HEXANE	3.704	57	441090	10.75	PPBV		90
39) VINYL ACETATE	3.264	86	76105	11.14	PPBV		77
40) 1,1-DICHLOROETHANE	3.190	63	389182	9.85	PPBV		97
41) METHYL ETHYL KETONE	3.364	72	138779	9.57	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.573	96	323902	9.64	PPBV		95
43) DIISOPROPYL ETHER	3.708	59	134618	10.50	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58366.D
Acq On : 19 Mar 2022 1:43 pm
Operator : thomash
Sample : bs
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.711	61	95777	10.67	PPBV		99
45) METHYL ACRYLATE	3.701	55	512989	10.91	PPBV	#	99
46) CHLOROFORM	3.727	83	695638	10.07	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.245	57	459758	10.26	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.325	97	638290	9.95	PPBV		99
49) CARBON TETRACHLORIDE	4.769	117	659545	10.45	PPBV		99
50) 1,2-DICHLOROETHANE	4.158	62	387096	10.11	PPBV		98
51) BENZENE	4.653	78	908147	9.81	PPBV		98
53) CYCLOHEXANE	4.868	84	399033	9.92	PPBV		86
54) 2,3-DIMETHYLPENTANE	5.132	71	192112	10.23	PPBV		95
55) TRICHLOROETHENE	5.585	95	445017	10.31	PPBV		97
56) 1,2-DICHLOROPROPANE	5.344	63	301252	10.46	PPBV	#	90
57) DIBROMOMETHANE	5.302	174	411886	9.21	PPBV		95
58) ETHYL ACRYLATE	5.460	55	591826	11.29	PPBV		98
59) BROMODICHLOROMETHANE	5.524	83	717323	10.73	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1270605	10.50	PPBV	#	99
61) 1,4-DIOXANE	5.589	88	228155	9.29	PPBV		90
62) HEPTANE	6.007	43	381547	10.70	PPBV		91
63) METHYL METHACRYLATE	5.894	69	345964	11.13	PPBV		99
64) METHYL ISOBUTYL KETONE	6.646	58	250736	10.95	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	6.547	75	512571	11.11	PPBV	#	92
66) TOLUENE	7.785	91	1211422	10.61	PPBV		99
67) 1,3-DICHLOROPROPANE	7.842	76	573355	10.82	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	452677	11.64	PPBV		93
69) 1,1,2-TRICHLOROETHANE	7.405	83	341257	10.04	PPBV		97
70) 2-HEXANONE	8.347	58	339634	10.82	PPBV		93
71) ETHYL METHACRYLATE	8.489	69	583290	11.47	PPBV		98
72) TETRACHLOROETHENE	9.550	164	482324	9.93	PPBV		97
73) DIBROMOCHLOROMETHANE	8.331	129	790371	10.93	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	697247	11.17	PPBV		99
75) OCTANE	9.685	43	533120	10.74	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	562012	10.76	PPBV		99
78) CHLOROBENZENE	10.768	112	1067011	10.20	PPBV		95
79) ETHYLBENZENE	11.659	91	1648535	10.52	PPBV		99
80) M,P-XYLENE	12.093	91	2660548	21.86	PPBV		100
81) O-XYLENE	13.035	91	1358542	10.90	PPBV		99
82) STYRENE	12.817	104	1058828	11.10	PPBV		99
83) NONANE	14.144	43	596498	10.26	PPBV		97
84) BROMOFORM	11.903	173	781019	10.91	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.042	83	1014336	10.83	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.328	75	697899	10.80	PPBV	#	100
88) ISOPROPYLBENZENE	14.559	120	578552	10.89	PPBV		98
89) BROMOBENZENE	14.431	77	867095	10.74	PPBV		88
90) 2-CHLOROTOLUENE	15.566	126	507834	10.76	PPBV		98
91) N-PROPYLBENZENE	15.900	120	585347	10.83	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	2121874	11.39	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1790323	11.65	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	989230	12.12	PPBV		100
95) TERT-BUTYLBENZENE	16.810	134	495321	11.37	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	2032523	12.14	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58366.D
Acq On : 19 Mar 2022 1:43 pm
Operator : thomash
Sample : bs
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

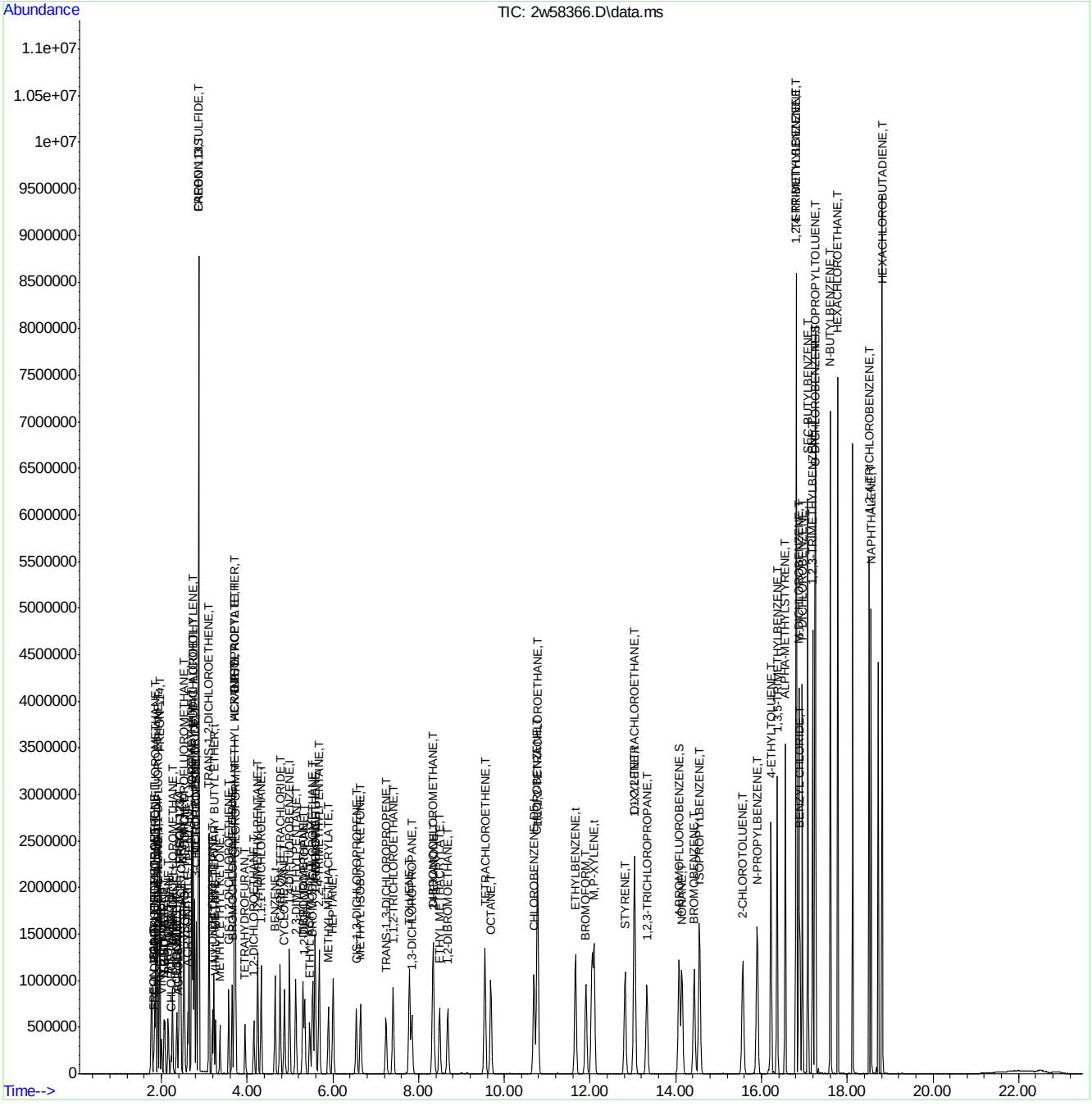
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	1122247	21.66	PPBV	98
98)	M-DICHLOROBENZENE	16.874	146	1327877	11.75	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	1346525	11.85	PPBV	100
100)	O-DICHLOROBENZENE	17.247	146	1350937	11.84	PPBV	100
101)	SEC-BUTYLBENZENE	17.083	134	645361	11.97	PPBV	89
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1928385	12.18	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.260	134	734987	11.76	PPBV	95
104)	N-BUTYLBENZENE	17.601	134	654000	11.70	PPBV	89
105)	HEXACHLOROETHANE	17.781	117	849353	11.48	PPBV	98
106)	HEXACHLOROBUTADIENE	18.820	225	956267	10.65	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.511	180	989806	11.44	PPBV	99
108)	NAPHTHALENE	18.559	128	2218030	10.74	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58366.D
Acq On : 19 Mar 2022 1:43 pm
Operator : thomash
Sample : bs
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58367.D
Acq On : 19 Mar 2022 2:19 pm
Operator : thomash
Sample : bsd
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:08:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	237824	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	1201162	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1125333	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.080	95	771795	10.90	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	65054	9.95	PPBV	#	90
4) CHLORODIFLUOROMETHANE	1.830	67	35621	10.47	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.849	116	239269	9.48	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.868	85	940411	8.92	PPBV	#	97
7) PROPYLENE	1.846	41	62887	9.74	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	735784	8.76	PPBV		96
9) FREON 114	1.965	85	977056	8.76	PPBV		96
10) CHLOROMETHANE	1.923	52	70194	8.03	PPBV		94
11) VINYL CHLORIDE	2.007	62	276045	8.75	PPBV		99
12) 1,3-BUTADIENE	2.061	54	185847	8.47	PPBV	#	86
13) N-BUTANE	2.081	43	306451	8.46	PPBV		99
14) BROMOMETHANE	2.161	94	299833	8.29	PPBV		99
15) CHLOROETHANE	2.222	64	131074	8.23	PPBV		95
16) DICHLOROFLUOROMETHANE	2.258	67	585628	8.61	PPBV	#	98
17) ACETONITRILE	2.348	41	148670	8.30	PPBV		97
18) ACROLEIN	2.399	56	105414	8.31	PPBV		100
19) FREON 123	2.421	83	705486	8.71	PPBV		97
20) FREON 123A	2.444	117	442283	8.61	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.521	101	1094061	8.66	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	547676	7.99	PPBV		97
23) ACETONE	2.450	58	123039	7.88	PPBV		73
24) PENTANE	2.647	42	389279	7.54	PPBV		96
25) IODOMETHANE	2.704	142	1837347	8.08	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.733	96	657495	7.74	PPBV		99
27) CARBON DISULFIDE	2.868	76	2044581	8.21	PPBV	#	92
28) ETHANOL	2.264	45	74992	7.13	PPBV	#	96
29) BROMOETHENE	2.360	106	296784	8.21	PPBV	#	98
30) ACRYLONITRILE	2.614	52	282826	7.54	PPBV		96
31) METHYLENE CHLORIDE	2.769	84	597609	7.12	PPBV		96
32) 3-CHLOROPROPENE	2.814	76	317259	7.86	PPBV		94
33) FREON 113	2.868	151	1302807	8.00	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.110	96	689325	9.55	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.743	59	1005692	7.93	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.222	73	713516	10.05	PPBV		100
37) TETRAHYDROFURAN	3.949	72	146394	11.11	PPBV		90
38) HEXANE	3.708	57	448295	10.44	PPBV		91
39) VINYL ACETATE	3.264	86	81100	11.34	PPBV		73
40) 1,1-DICHLOROETHANE	3.190	63	409573	9.90	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	144485	9.52	PPBV		87
42) CIS-1,2-DICHLOROETHENE	3.573	96	337337	9.59	PPBV		94
43) DIISOPROPYL ETHER	3.711	59	138251	10.30	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58367.D
Acq On : 19 Mar 2022 2:19 pm
Operator : thomash
Sample : bsd
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:08:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	98613	10.49	PPBV		98
45) METHYL ACRYLATE	3.701	55	535906	10.89	PPBV	#	98
46) CHLOROFORM	3.730	83	716330	9.90	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.245	57	475203	10.12	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.328	97	657668	9.79	PPBV		98
49) CARBON TETRACHLORIDE	4.769	117	686545	10.39	PPBV		98
50) 1,2-DICHLOROETHANE	4.158	62	393980	9.83	PPBV		98
51) BENZENE	4.653	78	939681	9.69	PPBV		97
53) CYCLOHEXANE	4.872	84	417432	9.88	PPBV		85
54) 2,3-DIMETHYLPENTANE	5.135	71	202191	10.25	PPBV		93
55) TRICHLOROETHENE	5.582	95	463285	10.22	PPBV		96
56) 1,2-DICHLOROPROPANE	5.344	63	314754	10.40	PPBV	#	91
57) DIBROMOMETHANE	5.302	174	427425	9.10	PPBV		96
58) ETHYL ACRYLATE	5.460	55	609819	11.08	PPBV		98
59) BROMODICHLOROMETHANE	5.527	83	738251	10.52	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1321122	10.40	PPBV	#	98
61) 1,4-DIOXANE	5.589	88	239397	9.28	PPBV		91
62) HEPTANE	6.007	43	396974	10.60	PPBV		92
63) METHYL METHACRYLATE	5.897	69	359082	11.00	PPBV		99
64) METHYL ISOBUTYL KETONE	6.646	58	259018	10.77	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	6.550	75	518562	10.70	PPBV	#	93
66) TOLUENE	7.785	91	1256389	10.48	PPBV		98
67) 1,3-DICHLOROPROPANE	7.843	76	583160	10.48	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	462112	11.32	PPBV	#	94
69) 1,1,2-TRICHLOROETHANE	7.405	83	355147	9.95	PPBV		99
70) 2-HEXANONE	8.351	58	350018	10.61	PPBV		94
71) ETHYL METHACRYLATE	8.492	69	596478	11.17	PPBV		98
72) TETRACHLOROETHENE	9.547	164	504697	9.89	PPBV		98
73) DIBROMOCHLOROMETHANE	8.334	129	811016	10.68	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	725707	11.07	PPBV		100
75) OCTANE	9.688	43	544502	10.44	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	575917	10.65	PPBV		99
78) CHLOROBENZENE	10.772	112	1099503	10.15	PPBV		96
79) ETHYLBENZENE	11.656	91	1681070	10.36	PPBV		99
80) M,P-XYLENE	12.093	91	2698983	21.41	PPBV		99
81) O-XYLENE	13.032	91	1398256	10.83	PPBV		98
82) STYRENE	12.820	104	1089126	11.03	PPBV		99
83) NONANE	14.148	43	610806	10.14	PPBV		95
84) BROMOFORM	11.903	173	800385	10.79	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.045	83	1030794	10.63	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.328	75	711334	10.63	PPBV	#	100
88) ISOPROPYLBENZENE	14.553	120	592012	10.76	PPBV		99
89) BROMOBENZENE	14.427	77	892554	10.68	PPBV		89
90) 2-CHLOROTOLUENE	15.566	126	519005	10.62	PPBV		99
91) N-PROPYLBENZENE	15.900	120	598729	10.69	PPBV		97
92) 4-ETHYLTOLUENE	16.222	105	2142904	11.10	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1826768	11.48	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	997330	11.80	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	502795	11.14	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	2057761	11.87	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58367.D
Acq On : 19 Mar 2022 2:19 pm
Operator : thomash
Sample : bsd
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:08:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

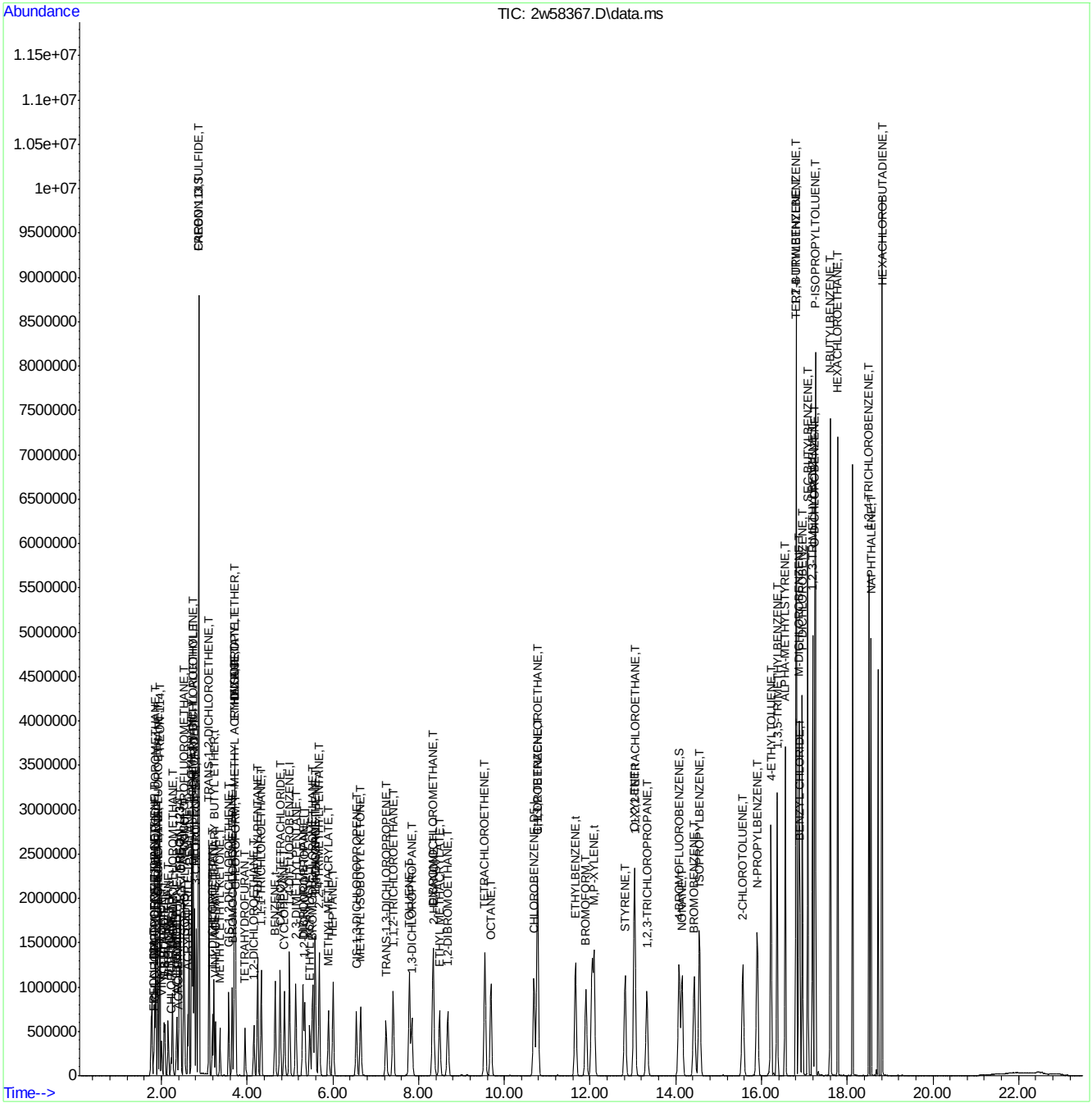
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1133450	21.12	PPBV	98
98) M-DICHLOROBENZENE	16.874	146	1354084	11.57	PPBV	100
99) P-DICHLOROBENZENE	16.955	146	1371839	11.65	PPBV	99
100) O-DICHLOROBENZENE	17.244	146	1353415	11.45	PPBV	99
101) SEC-BUTYLBENZENE	17.083	134	637007	11.41	PPBV	93
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1944102	11.85	PPBV	98
103) P-ISOPROPYLTOLUENE	17.257	134	737714	11.40	PPBV	96
104) N-BUTYLBENZENE	17.601	134	666467	11.52	PPBV	87
105) HEXACHLOROETHANE	17.778	117	849606	11.08	PPBV	97
106) HEXACHLOROBUTADIENE	18.813	225	974820	10.48	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	991761	11.07	PPBV	99
108) NAPHTHALENE	18.556	128	2230975	10.43	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58367.D
Acq On : 19 Mar 2022 2:19 pm
Operator : thomash
Sample : bsd
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:08:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	188246	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	979777	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.685	117	949806	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	658697	11.02	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	55411	10.70	PPBV	#	86
4) CHLORODIFLUOROMETHANE	1.830	67	29898	11.10	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.846	116	196068	9.82	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.869	85	859286	10.30	PPBV	#	97
7) PROPYLENE	1.846	41	50184	9.82	PPBV		92
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	685017	10.30	PPBV		95
9) FREON 114	1.962	85	916600	10.39	PPBV		97
10) CHLOROMETHANE	1.923	52	68873	9.95	PPBV		97
11) VINYL CHLORIDE	2.004	62	259420	10.39	PPBV		99
12) 1,3-BUTADIENE	2.055	54	178265	10.27	PPBV	#	86
13) N-BUTANE	2.078	43	291726	10.17	PPBV		98
14) BROMOMETHANE	2.155	94	276516	9.66	PPBV		99
15) CHLOROETHANE	2.219	64	129933	10.30	PPBV		95
16) DICHLOROFLUOROMETHANE	2.254	67	560468	10.41	PPBV	#	97
17) ACETONITRILE	2.344	41	140449	9.91	PPBV		95
18) ACROLEIN	2.393	56	98478	9.80	PPBV		97
19) FREON 123	2.412	83	647635	10.10	PPBV		97
20) FREON 123A	2.438	117	387122	9.52	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.518	101	936449	9.36	PPBV		100
22) ISOPROPYL ALCOHOL	2.534	45	540799	9.96	PPBV		96
23) ACETONE	2.444	58	114719	9.28	PPBV	#	71
24) PENTANE	2.640	42	375993	9.20	PPBV		96
25) IODOMETHANE	2.701	142	1622879	9.02	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.730	96	606212	9.02	PPBV		94
27) CARBON DISULFIDE	2.865	76	1991899	10.11	PPBV	#	91
28) ETHANOL	2.258	45	74408	8.94	PPBV	#	98
29) BROMOETHENE	2.351	106	274418	9.59	PPBV	#	98
30) ACRYLONITRILE	2.611	52	268162	9.03	PPBV		97
31) METHYLENE CHLORIDE	2.766	84	570438	8.59	PPBV		94
32) 3-CHLOROPROPENE	2.807	76	299621	9.38	PPBV		90
33) FREON 113	2.865	151	1177933	9.14	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	3.106	96	670968	11.74	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.737	59	1087187	10.82	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.219	73	584143	10.39	PPBV		99
37) TETRAHYDROFURAN	3.946	72	121050	11.60	PPBV		92
38) HEXANE	3.701	57	403185	11.86	PPBV		89
39) VINYL ACETATE	3.258	86	65527	11.57	PPBV		79
40) 1,1-DICHLOROETHANE	3.187	63	335464	10.24	PPBV		98
41) METHYL ETHYL KETONE	3.360	72	116090	9.66	PPBV		92
42) CIS-1,2-DICHLOROETHENE	3.569	96	264602	9.50	PPBV		97
43) DIISOPROPYL ETHER	3.704	59	121806	11.46	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.711	61	88466	11.89	PPBV		99
45)	METHYL ACRYLATE	3.698	55	472419	12.13	PPBV	#	97
46)	CHLOROFORM	3.724	83	612176	10.69	PPBV	#	97
47)	2,4-DIMETHYLPENTANE	4.241	57	396349	10.67	PPBV		96
48)	1,1,1-TRICHLOROETHANE	4.322	97	531641	10.00	PPBV		99
49)	CARBON TETRACHLORIDE	4.766	117	552705	10.57	PPBV		99
50)	1,2-DICHLOROETHANE	4.151	62	325556	10.26	PPBV	#	98
51)	BENZENE	4.647	78	776333	10.12	PPBV		98
53)	CYCLOHEXANE	4.865	84	336740	9.77	PPBV		88
54)	2,3-DIMETHYLPENTANE	5.129	71	164926	10.25	PPBV		95
55)	TRICHLOROETHENE	5.579	95	370645	10.02	PPBV		98
56)	1,2-DICHLOROPROPANE	5.338	63	263791	10.69	PPBV	#	92
57)	DIBROMOMETHANE	5.296	174	331686	8.65	PPBV		92
58)	ETHYL ACRYLATE	5.454	55	518731	11.55	PPBV		98
59)	BROMODICHLOROMETHANE	5.521	83	614464	10.73	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.675	57	1117617	10.78	PPBV		99
61)	1,4-DIOXANE	5.582	88	198728	9.44	PPBV		91
62)	HEPTANE	6.000	43	340195	11.14	PPBV		92
63)	METHYL METHACRYLATE	5.894	69	301181	11.31	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.640	58	221772	11.30	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	435028	11.00	PPBV	#	90
66)	TOLUENE	7.781	91	1024884	10.48	PPBV		98
67)	1,3-DICHLOROPROPANE	7.836	76	490547	10.80	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	385651	11.58	PPBV	#	92
69)	1,1,2-TRICHLOROETHANE	7.399	83	292266	10.03	PPBV		99
70)	2-HEXANONE	8.344	58	306961	11.41	PPBV		93
71)	ETHYL METHACRYLATE	8.486	69	518173	11.90	PPBV		97
72)	TETRACHLOROETHENE	9.540	164	399834	9.61	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.328	129	658915	10.64	PPBV		98
74)	1,2-DIBROMOETHANE	8.675	107	600352	11.23	PPBV		100
75)	OCTANE	9.685	43	483150	11.36	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	476539	10.44	PPBV		97
78)	CHLOROBENZENE	10.765	112	901430	9.86	PPBV		97
79)	ETHYLBENZENE	11.656	91	1412604	10.31	PPBV		100
80)	M,P-XYLENE	12.087	91	2306879	21.68	PPBV		100
81)	O-XYLENE	13.029	91	1203058	11.04	PPBV		98
82)	STYRENE	12.810	104	911126	10.93	PPBV		99
83)	NONANE	14.138	43	558498	10.99	PPBV		95
84)	BROMOFORM	11.900	173	656490	10.49	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.035	83	900954	11.00	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.321	75	625759	11.08	PPBV	#	100
88)	ISOPROPYLBENZENE	14.550	120	498977	10.74	PPBV		98
89)	BROMOBENZENE	14.428	77	776712	11.01	PPBV		94
90)	2-CHLOROTOLUENE	15.563	126	431082	10.45	PPBV		98
91)	N-PROPYLBENZENE	15.894	120	493567	10.44	PPBV		99
92)	4-ETHYLTOLUENE	16.218	105	1846343	11.33	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.363	105	1558091	11.60	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.553	118	841632	11.80	PPBV		99
95)	TERT-BUTYLBENZENE	16.807	134	425537	11.17	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1791344	12.24	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

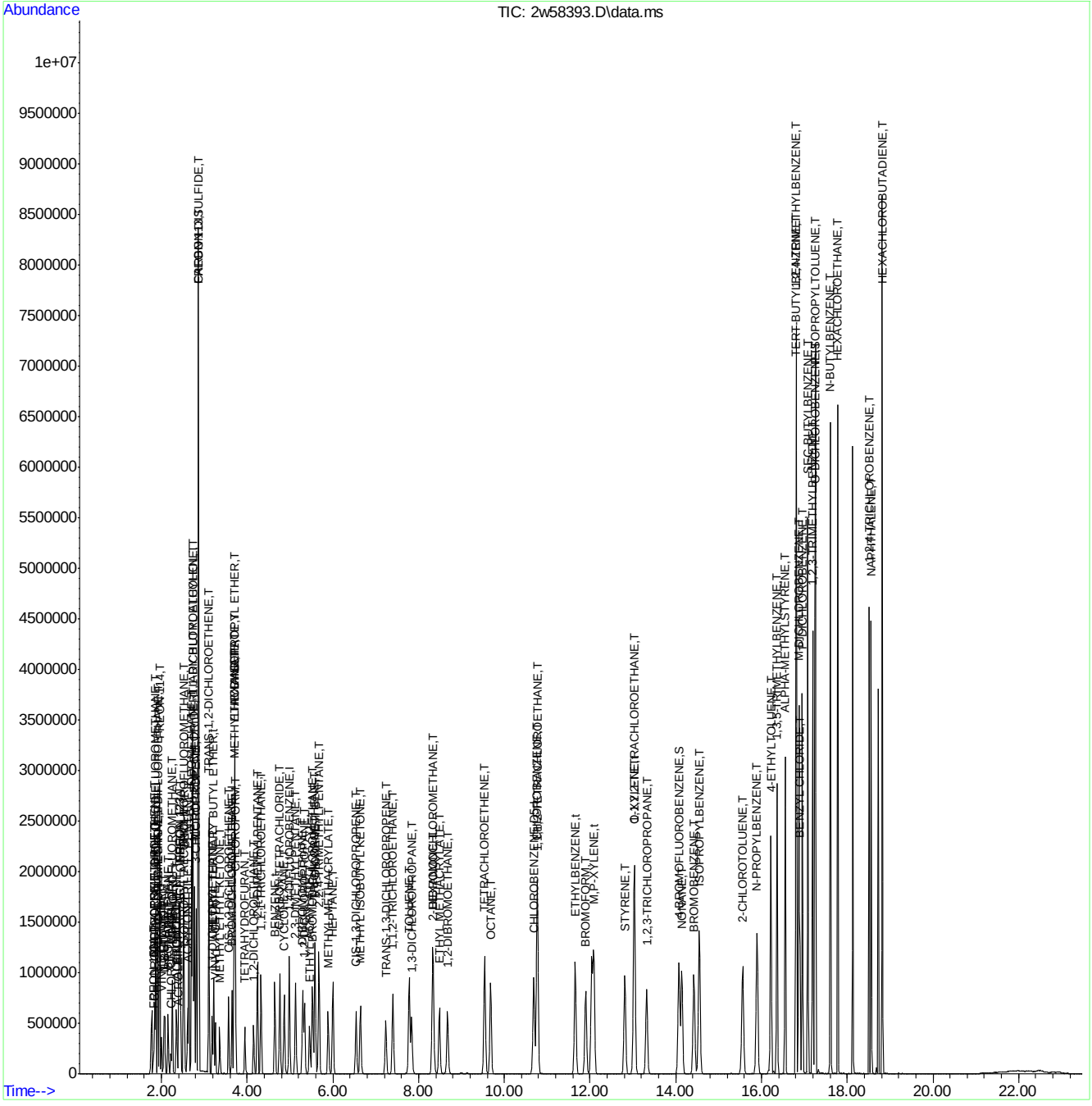
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	1001357	22.10	PPBV	98
98)	M-DICHLOROBENZENE	16.874	146	1146253	11.61	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	1163803	11.71	PPBV	100
100)	O-DICHLOROBENZENE	17.247	146	1174158	11.77	PPBV	100
101)	SEC-BUTYLBENZENE	17.083	134	557847	11.84	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1708218	12.34	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.260	134	654547	11.98	PPBV	96
104)	N-BUTYLBENZENE	17.601	134	573078	11.73	PPBV	97
105)	HEXACHLOROETHANE	17.781	117	755749	11.68	PPBV	95
106)	HEXACHLOROBUTADIENE	18.820	225	826332	10.52	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.514	180	831818	11.00	PPBV	99
108)	NAPHTHALENE	18.562	128	1945011	10.78	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	207452	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	1075344	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1033388	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	716449	11.02	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	59001	10.34	PPBV		92
4) CHLORODIFLUOROMETHANE	1.830	67	31093	10.48	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.846	116	209736	9.53	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.868	85	901129	9.80	PPBV	#	97
7) PROPYLENE	1.843	41	57232	10.16	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	698832	9.53	PPBV		96
9) FREON 114	1.962	85	933626	9.60	PPBV		97
10) CHLOROMETHANE	1.923	52	70395	9.23	PPBV		95
11) VINYL CHLORIDE	2.004	62	270090	9.82	PPBV		100
12) 1,3-BUTADIENE	2.055	54	182029	9.52	PPBV	#	87
13) N-BUTANE	2.077	43	303767	9.61	PPBV		98
14) BROMOMETHANE	2.155	94	282833	8.96	PPBV		98
15) CHLOROETHANE	2.219	64	128384	9.24	PPBV		96
16) DICHLOROFLUOROMETHANE	2.254	67	573943	9.68	PPBV	#	98
17) ACETONITRILE	2.344	41	144991	9.28	PPBV		96
18) ACROLEIN	2.396	56	100874	9.11	PPBV		99
19) FREON 123	2.415	83	669984	9.48	PPBV		98
20) FREON 123A	2.434	117	408400	9.11	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.515	101	980482	8.89	PPBV		100
22) ISOPROPYL ALCOHOL	2.531	45	533896	8.93	PPBV		96
23) ACETONE	2.444	58	121077	8.89	PPBV		76
24) PENTANE	2.640	42	381923	8.48	PPBV		97
25) IODOMETHANE	2.698	142	1641464	8.28	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.727	96	611859	8.26	PPBV		94
27) CARBON DISULFIDE	2.862	76	1981231	9.12	PPBV	#	91
28) ETHANOL	2.258	45	72974	7.96	PPBV	#	99
29) BROMOETHENE	2.354	106	279139	8.85	PPBV	#	98
30) ACRYLONITRILE	2.608	52	274204	8.38	PPBV		97
31) METHYLENE CHLORIDE	2.762	84	570036	7.79	PPBV		95
32) 3-CHLOROPROPENE	2.807	76	304621	8.65	PPBV		93
33) FREON 113	2.862	151	1173091	8.26	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	3.103	96	644586	10.23	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.737	59	984349	8.89	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.216	73	625407	10.10	PPBV		100
37) TETRAHYDROFURAN	3.942	72	133046	11.57	PPBV		92
38) HEXANE	3.701	57	421359	11.25	PPBV		89
39) VINYL ACETATE	3.257	86	68369	10.96	PPBV		85
40) 1,1-DICHLOROETHANE	3.184	63	363729	10.08	PPBV		99
41) METHYL ETHYL KETONE	3.357	72	126680	9.56	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.566	96	290252	9.46	PPBV		98
43) DIISOPROPYL ETHER	3.704	59	126793	10.83	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.708	61	90546	11.04	PPBV		93
45)	METHYL ACRYLATE	3.695	55	495173	11.54	PPBV	#	97
46)	CHLOROFORM	3.724	83	649294	10.29	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.238	57	440565	10.76	PPBV		97
48)	1,1,1-TRICHLOROETHANE	4.322	97	579135	9.89	PPBV		99
49)	CARBON TETRACHLORIDE	4.762	117	590935	10.26	PPBV		99
50)	1,2-DICHLOROETHANE	4.148	62	351474	10.05	PPBV		98
51)	BENZENE	4.647	78	834816	9.87	PPBV		97
53)	CYCLOHEXANE	4.865	84	366203	9.68	PPBV		88
54)	2,3-DIMETHYLPENTANE	5.129	71	182022	10.31	PPBV		95
55)	TRICHLOROETHENE	5.579	95	415527	10.23	PPBV		99
56)	1,2-DICHLOROPROPANE	5.338	63	284889	10.52	PPBV	#	93
57)	DIBROMOMETHANE	5.293	174	363872	8.65	PPBV		92
58)	ETHYL ACRYLATE	5.454	55	565015	11.47	PPBV		98
59)	BROMODICHLOROMETHANE	5.524	83	670044	10.66	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.672	57	1236197	10.87	PPBV		99
61)	1,4-DIOXANE	5.582	88	211345	9.15	PPBV		92
62)	HEPTANE	6.000	43	380937	11.36	PPBV		94
63)	METHYL METHACRYLATE	5.891	69	329611	11.28	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.643	58	242856	11.28	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	474695	10.94	PPBV	#	91
66)	TOLUENE	7.781	91	1129319	10.52	PPBV		98
67)	1,3-DICHLOROPROPANE	7.839	76	535020	10.74	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	417535	11.42	PPBV	#	93
69)	1,1,2-TRICHLOROETHANE	7.399	83	316039	9.89	PPBV		97
70)	2-HEXANONE	8.344	58	328591	11.13	PPBV		94
71)	ETHYL METHACRYLATE	8.482	69	556885	11.65	PPBV		97
72)	TETRACHLOROETHENE	9.543	164	437159	9.57	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.328	129	723134	10.64	PPBV		100
74)	1,2-DIBROMOETHANE	8.678	107	649196	11.07	PPBV		100
75)	OCTANE	9.682	43	523259	11.21	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	516000	10.39	PPBV		99
78)	CHLOROBENZENE	10.768	112	971201	9.76	PPBV		96
79)	ETHYLBENZENE	11.659	91	1526250	10.24	PPBV		100
80)	M,P-XYLENE	12.090	91	2469697	21.33	PPBV		99
81)	O-XYLENE	13.029	91	1269431	10.71	PPBV		97
82)	STYRENE	12.813	104	977291	10.77	PPBV		99
83)	NONANE	14.145	43	585770	10.59	PPBV		96
84)	BROMOFORM	11.900	173	713315	10.47	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.038	83	950542	10.67	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.325	75	658765	10.72	PPBV	#	100
88)	ISOPROPYLBENZENE	14.550	120	530097	10.49	PPBV		99
89)	BROMOBENZENE	14.427	77	825864	10.76	PPBV		94
90)	2-CHLOROTOLUENE	15.562	126	459714	10.24	PPBV		99
91)	N-PROPYLBENZENE	15.900	120	535688	10.42	PPBV		99
92)	4-ETHYLTOLUENE	16.218	105	1941549	10.95	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	16.366	105	1657943	11.34	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.556	118	912450	11.76	PPBV		99
95)	TERT-BUTYLBENZENE	16.810	134	451097	10.88	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1884324	11.84	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

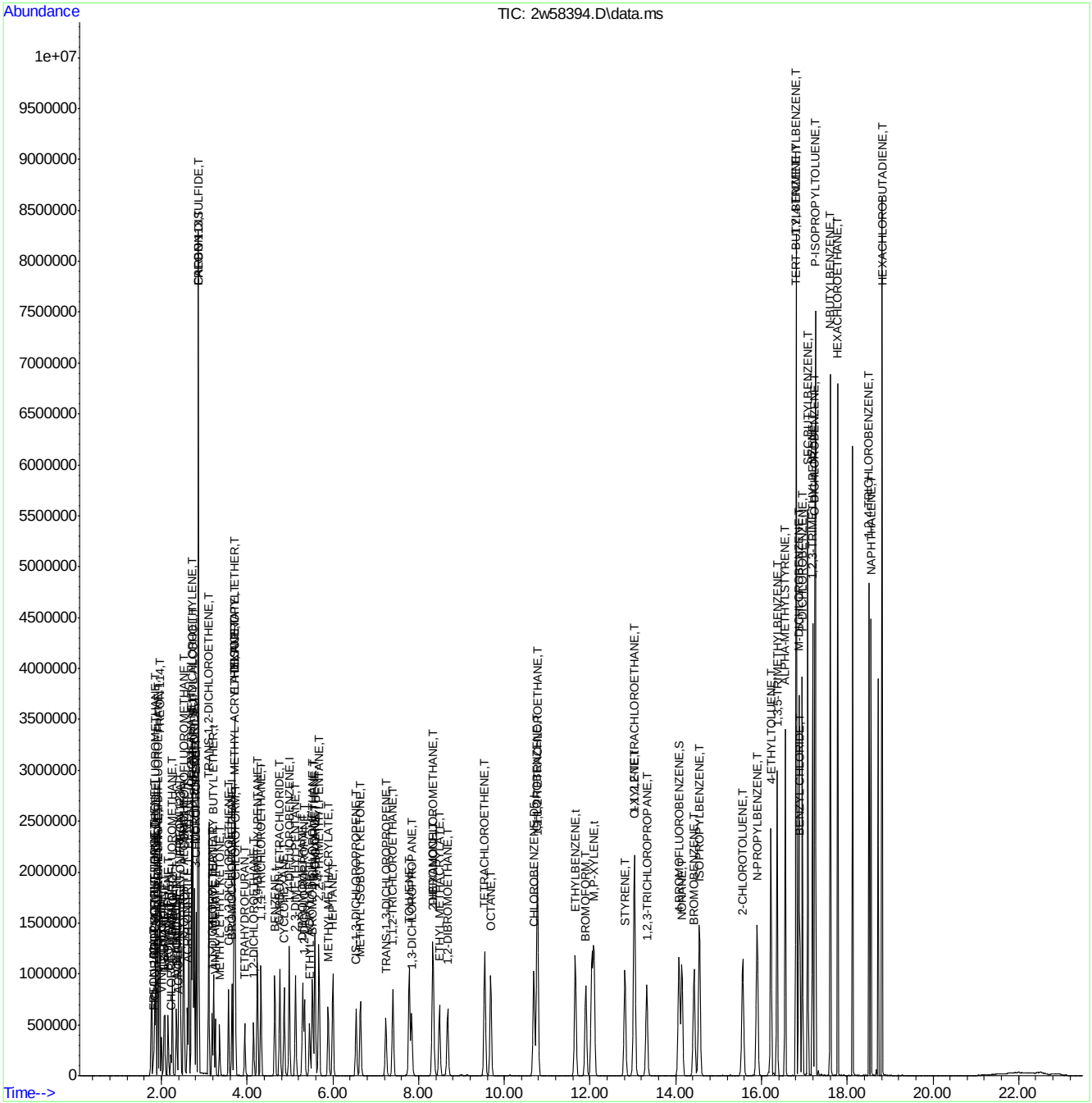
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1027672	20.85	PPBV	99
98) M-DICHLOROBENZENE	16.874	146	1198109	11.15	PPBV	99
99) P-DICHLOROBENZENE	16.955	146	1211444	11.21	PPBV	99
100) O-DICHLOROBENZENE	17.244	146	1215534	11.20	PPBV	100
101) SEC-BUTYLBENZENE	17.083	134	582389	11.36	PPBV	94
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1781806	11.83	PPBV	99
103) P-ISOPROPYLTOLUENE	17.257	134	672849	11.32	PPBV	96
104) N-BUTYLBENZENE	17.601	134	594215	11.18	PPBV	95
105) HEXACHLOROETHANE	17.778	117	786035	11.17	PPBV	96
106) HEXACHLOROBUTADIENE	18.816	225	857178	10.03	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	862264	10.48	PPBV	99
108) NAPHTHALENE	18.556	128	1967181	10.02	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58424.D
Acq On : 22 Mar 2022 9:22 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:28 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	171517	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	896084	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.692	117	861682	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	606458	11.19	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	55360	11.74	PPBV		94
4) CHLORODIFLUOROMETHANE	1.833	67	28134	11.46	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.849	116	180987	9.95	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.872	85	792050	10.42	PPBV	#	96
7) PROPYLENE	1.846	41	50536	10.85	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	639692	10.56	PPBV		95
9) FREON 114	1.965	85	841405	10.46	PPBV		100
10) CHLOROMETHANE	1.927	52	67854	10.76	PPBV		96
11) VINYL CHLORIDE	2.007	62	253075	11.12	PPBV		99
12) 1,3-BUTADIENE	2.062	54	174374	11.03	PPBV		88
13) N-BUTANE	2.081	43	284549	10.89	PPBV		99
14) BROMOMETHANE	2.158	94	262711	10.07	PPBV		99
15) CHLOROETHANE	2.226	64	123667	10.76	PPBV	#	94
16) DICHLOROFLUOROMETHANE	2.258	67	528779	10.78	PPBV	#	98
17) ACETONITRILE	2.348	41	137781	10.67	PPBV		98
18) ACROLEIN	2.396	56	94399	10.32	PPBV		99
19) FREON 123	2.419	83	624394	10.69	PPBV		98
20) FREON 123A	2.438	117	367475	9.92	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.518	101	905756	9.94	PPBV		100
22) ISOPROPYL ALCOHOL	2.534	45	542640	10.97	PPBV		96
23) ACETONE	2.448	58	116513	10.35	PPBV		75
24) PENTANE	2.640	42	380147	10.21	PPBV		96
25) IODOMETHANE	2.702	142	1463310	8.92	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.727	96	572220	9.35	PPBV		90
27) CARBON DISULFIDE	2.866	76	1892708	10.54	PPBV	#	92
28) ETHANOL	2.261	45	70154	9.25	PPBV	#	99
29) BROMOETHENE	2.357	106	252230	9.67	PPBV	#	98
30) ACRYLONITRILE	2.608	52	272503	10.07	PPBV		98
31) METHYLENE CHLORIDE	2.766	84	543626	8.99	PPBV		92
32) 3-CHLOROPROPENE	2.808	76	286704	9.85	PPBV		87
33) FREON 113	2.862	151	1027743	8.75	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	3.103	96	519662	9.98	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.737	59	985672	10.77	PPBV	#	80
36) METHYL TERTIARY BUTYL ...	3.219	73	532462	10.40	PPBV		99
37) TETRAHYDROFURAN	3.943	72	115006	12.10	PPBV		94
38) HEXANE	3.701	57	387343	12.51	PPBV		89
39) VINYL ACETATE	3.261	86	57752	11.19	PPBV		89
40) 1,1-DICHLOROETHANE	3.184	63	323513	10.84	PPBV		98
41) METHYL ETHYL KETONE	3.357	72	109254	9.98	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.566	96	242934	9.58	PPBV		98
43) DIISOPROPYL ETHER	3.705	59	115761	11.96	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58424.D
Acq On : 22 Mar 2022 9:22 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:28 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.708	61	83763	12.36	PPBV		94
45) METHYL ACRYLATE	3.695	55	445784	12.56	PPBV	#	98
46) CHLOROFORM	3.724	83	560939	10.75	PPBV	#	98
47) 2,4-DIMETHYLPENTANE	4.238	57	379292	11.21	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.322	97	473804	9.78	PPBV		98
49) CARBON TETRACHLORIDE	4.763	117	485575	10.19	PPBV		98
50) 1,2-DICHLOROETHANE	4.152	62	303211	10.49	PPBV	#	97
51) BENZENE	4.650	78	715885	10.24	PPBV		98
53) CYCLOHEXANE	4.865	84	313640	9.95	PPBV		89
54) 2,3-DIMETHYLPENTANE	5.126	71	156804	10.66	PPBV		97
55) TRICHLOROETHENE	5.579	95	344025	10.17	PPBV		99
56) 1,2-DICHLOROPROPANE	5.338	63	246194	10.91	PPBV		94
57) DIBROMOMETHANE	5.296	174	290795	8.30	PPBV		89
58) ETHYL ACRYLATE	5.457	55	485435	11.82	PPBV		98
59) BROMODICHLOROMETHANE	5.521	83	560796	10.71	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1071415	11.30	PPBV		99
61) 1,4-DIOXANE	5.582	88	179407	9.32	PPBV		92
62) HEPTANE	6.004	43	331391	11.86	PPBV		94
63) METHYL METHACRYLATE	5.891	69	283144	11.63	PPBV		97
64) METHYL ISOBUTYL KETONE	6.644	58	210770	11.75	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.544	75	397214	10.99	PPBV	#	90
66) TOLUENE	7.785	91	954260	10.67	PPBV		98
67) 1,3-DICHLOROPROPANE	7.836	76	461912	11.12	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	342106	11.23	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.399	83	269957	10.13	PPBV		99
70) 2-HEXANONE	8.348	58	290122	11.79	PPBV		91
71) ETHYL METHACRYLATE	8.486	69	493893	12.40	PPBV		96
72) TETRACHLOROETHENE	9.544	164	355845	9.35	PPBV		96
73) DIBROMOCHLOROMETHANE	8.328	129	600341	10.60	PPBV		99
74) 1,2-DIBROMOETHANE	8.676	107	546374	11.18	PPBV		99
75) OCTANE	9.685	43	470420	12.09	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.772	131	422505	10.20	PPBV		95
78) CHLOROBENZENE	10.766	112	821977	9.91	PPBV		98
79) ETHYLBENZENE	11.653	91	1306074	10.51	PPBV		100
80) M,P-XYLENE	12.090	91	2132997	22.10	PPBV		99
81) O-XYLENE	13.029	91	1104559	11.18	PPBV		96
82) STYRENE	12.814	104	841132	11.12	PPBV		100
83) NONANE	14.142	43	540540	11.72	PPBV		96
84) BROMOFORM	11.901	173	574405	10.11	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	850356	11.45	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.322	75	589101	11.50	PPBV	#	100
88) ISOPROPYLBENZENE	14.556	120	450057	10.68	PPBV		95
89) BROMOBENZENE	14.428	77	720188	11.25	PPBV		98
90) 2-CHLOROTOLUENE	15.563	126	387415	10.35	PPBV		100
91) N-PROPYLBENZENE	15.900	120	456900	10.66	PPBV		99
92) 4-ETHYLTOLUENE	16.219	105	1701138	11.51	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.367	105	1443443	11.84	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	776724	12.00	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	392615	11.36	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.814	105	1676000	12.63	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58424.D
Acq On : 22 Mar 2022 9:22 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:28 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

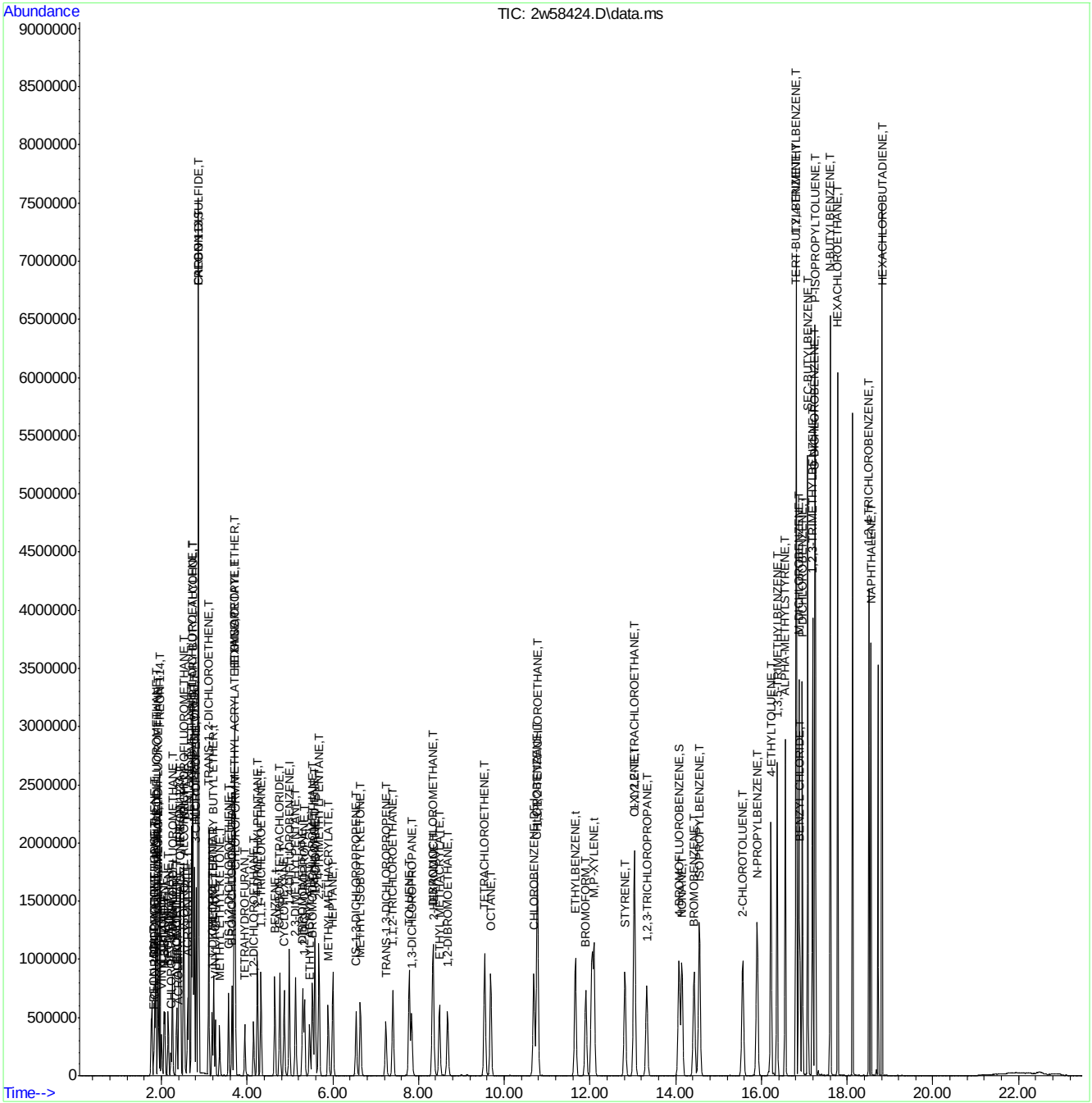
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	848687	20.65	PPBV	100
98)	M-DICHLOROBENZENE	16.875	146	1027692	11.47	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	1053860	11.69	PPBV	100
100)	O-DICHLOROBENZENE	17.244	146	1061695	11.73	PPBV	99
101)	SEC-BUTYLBENZENE	17.080	134	503429	11.78	PPBV	98
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1586524	12.63	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.257	134	599005	12.09	PPBV	98
104)	N-BUTYLBENZENE	17.601	134	529213	11.94	PPBV	100
105)	HEXACHLOROETHANE	17.778	117	690379	11.76	PPBV	94
106)	HEXACHLOROBUTADIENE	18.813	225	710003	9.97	PPBV	98
107)	1,2,4-TRICHLOROBENZENE	18.508	180	731840	10.66	PPBV	99
108)	NAPHTHALENE	18.556	128	1701529	10.39	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58424.D
Acq On : 22 Mar 2022 9:22 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:28 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58425.D
Acq On : 22 Mar 2022 10:17 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:46 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	166943	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	863077	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	821513	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	585220	11.32	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	55147	12.01	PPBV		92
4) CHLORODIFLUOROMETHANE	1.836	67	29234	12.24	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.852	116	183050	10.34	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	807129	10.91	PPBV	#	97
7) PROPYLENE	1.849	41	50797	11.20	PPBV		92
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	646105	10.95	PPBV		94
9) FREON 114	1.968	85	849861	10.86	PPBV		100
10) CHLOROMETHANE	1.930	52	69456	11.31	PPBV		98
11) VINYL CHLORIDE	2.010	62	258449	11.67	PPBV		100
12) 1,3-BUTADIENE	2.061	54	175628	11.41	PPBV	#	85
13) N-BUTANE	2.084	43	289743	11.39	PPBV	#	98
14) BROMOMETHANE	2.161	94	259681	10.23	PPBV		99
15) CHLOROETHANE	2.225	64	124788	11.16	PPBV	#	94
16) DICHLOROFLUOROMETHANE	2.258	67	540897	11.33	PPBV	#	98
17) ACETONITRILE	2.348	41	138918	11.05	PPBV		96
18) ACROLEIN	2.399	56	94848	10.65	PPBV		98
19) FREON 123	2.418	83	632823	11.13	PPBV		98
20) FREON 123A	2.441	117	368202	10.21	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.518	101	908943	10.24	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	568849	11.82	PPBV		97
23) ACETONE	2.447	58	116782	10.65	PPBV		72
24) PENTANE	2.643	42	391301	10.80	PPBV		97
25) IODOMETHANE	2.701	142	1476818	9.25	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.730	96	590583	9.91	PPBV		91
27) CARBON DISULFIDE	2.865	76	1940849	11.11	PPBV	#	92
28) ETHANOL	2.261	45	73302	9.93	PPBV	#	97
29) BROMOETHENE	2.361	106	255435	10.06	PPBV	#	98
30) ACRYLONITRILE	2.611	52	276878	10.51	PPBV		96
31) METHYLENE CHLORIDE	2.769	84	553135	9.39	PPBV		91
32) 3-CHLOROPROPENE	2.811	76	292987	10.34	PPBV	#	86
33) FREON 113	2.865	151	1044865	9.14	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	3.103	96	517887	10.22	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.740	59	1060783	11.91	PPBV	#	80
36) METHYL TERTIARY BUTYL ...	3.219	73	533464	10.70	PPBV		99
37) TETRAHYDROFURAN	3.942	72	114255	12.35	PPBV		93
38) HEXANE	3.701	57	376075	12.48	PPBV		89
39) VINYL ACETATE	3.261	86	60517	12.05	PPBV		86
40) 1,1-DICHLOROETHANE	3.187	63	321268	11.06	PPBV		98
41) METHYL ETHYL KETONE	3.360	72	110126	10.33	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.569	96	242840	9.83	PPBV		99
43) DIISOPROPYL ETHER	3.704	59	114567	12.16	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58425.D
Acq On : 22 Mar 2022 10:17 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:46 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.708	61	82634	12.52	PPBV		95
45) METHYL ACRYLATE	3.698	55	437422	12.66	PPBV	#	98
46) CHLOROFORM	3.724	83	547388	10.78	PPBV	#	97
47) 2,4-DIMETHYLPENTANE	4.241	57	384017	11.66	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.325	97	471315	10.00	PPBV		97
49) CARBON TETRACHLORIDE	4.762	117	487773	10.52	PPBV		98
50) 1,2-DICHLOROETHANE	4.151	62	307802	10.94	PPBV	#	96
51) BENZENE	4.647	78	718310	10.56	PPBV		98
53) CYCLOHEXANE	4.865	84	310991	10.25	PPBV		90
54) 2,3-DIMETHYLPENTANE	5.129	71	160605	11.34	PPBV		94
55) TRICHLOROETHENE	5.582	95	337501	10.36	PPBV		99
56) 1,2-DICHLOROPROPANE	5.338	63	249145	11.46	PPBV		94
57) DIBROMOMETHANE	5.296	174	290219	8.60	PPBV		89
58) ETHYL ACRYLATE	5.454	55	489401	12.38	PPBV		98
59) BROMODICHLOROMETHANE	5.524	83	557839	11.06	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1057283	11.58	PPBV		99
61) 1,4-DIOXANE	5.589	88	180620	9.74	PPBV		92
62) HEPTANE	6.000	43	325179	12.08	PPBV		95
63) METHYL METHACRYLATE	5.891	69	281040	11.98	PPBV		97
64) METHYL ISOBUTYL KETONE	6.640	58	206543	11.95	PPBV		90
65) CIS-1,3-DICHLOROPROPENE	6.544	75	396025	11.37	PPBV	#	90
66) TOLUENE	7.782	91	930362	10.80	PPBV		98
67) 1,3-DICHLOROPROPANE	7.839	76	450189	11.26	PPBV	#	94
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	340188	11.59	PPBV	#	91
69) 1,1,2-TRICHLOROETHANE	7.399	83	270366	10.54	PPBV		100
70) 2-HEXANONE	8.344	58	285922	12.07	PPBV		92
71) ETHYL METHACRYLATE	8.486	69	477749	12.45	PPBV		96
72) TETRACHLOROETHENE	9.543	164	345286	9.42	PPBV		96
73) DIBROMOCHLOROMETHANE	8.328	129	579261	10.62	PPBV		99
74) 1,2-DIBROMOETHANE	8.675	107	531130	11.28	PPBV		100
75) OCTANE	9.682	43	459888	12.27	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	412222	10.44	PPBV		95
78) CHLOROBENZENE	10.765	112	806687	10.20	PPBV		97
79) ETHYLBENZENE	11.653	91	1272131	10.74	PPBV		99
80) M,P-XYLENE	12.090	91	2114764	22.98	PPBV		98
81) O-XYLENE	13.029	91	1095280	11.62	PPBV		100
82) STYRENE	12.810	104	823572	11.42	PPBV		99
83) NONANE	14.141	43	542625	12.34	PPBV		95
84) BROMOFORM	11.900	173	558045	10.31	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	841823	11.89	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.325	75	582979	11.94	PPBV	#	100
88) ISOPROPYLBENZENE	14.550	120	447090	11.13	PPBV		95
89) BROMOBENZENE	14.424	77	714549	11.71	PPBV		99
90) 2-CHLOROTOLUENE	15.566	126	387611	10.86	PPBV		98
91) N-PROPYLBENZENE	15.900	120	451850	11.05	PPBV		98
92) 4-ETHYLTOLUENE	16.218	105	1690388	12.00	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.363	105	1430446	12.31	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	771107	12.50	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	386495	11.73	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	1662069	13.13	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58425.D
Acq On : 22 Mar 2022 10:17 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:46 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

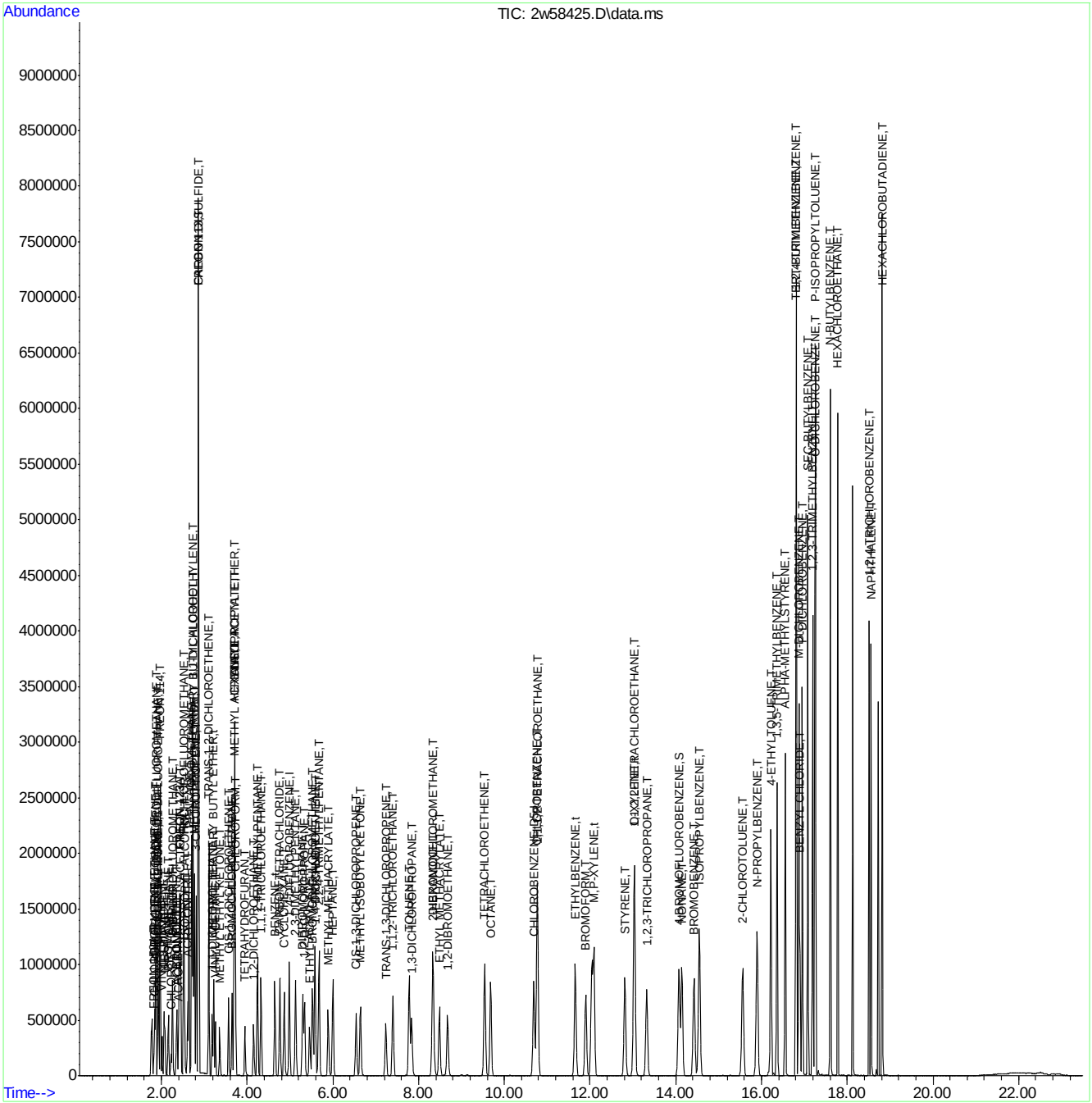
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	864583	22.07	PPBV	100
98)	M-DICHLOROBENZENE	16.874	146	1007145	11.79	PPBV	98
99)	P-DICHLOROBENZENE	16.955	146	1040145	12.10	PPBV	99
100)	O-DICHLOROBENZENE	17.247	146	1048949	12.15	PPBV	99
101)	SEC-BUTYLBENZENE	17.083	134	501256	12.30	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1579458	13.19	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.257	134	590366	12.49	PPBV	99
104)	N-BUTYLBENZENE	17.601	134	517984	12.26	PPBV	96
105)	HEXACHLOROETHANE	17.781	117	689562	12.32	PPBV	93
106)	HEXACHLOROBUTADIENE	18.820	225	696546	10.26	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.511	180	717220	10.96	PPBV	98
108)	NAPHTHALENE	18.559	128	1677801	10.75	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58425.D
Acq On : 22 Mar 2022 10:17 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:46 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58455.D
Acq On : 23 Mar 2022 9:33 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:19 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	152723	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	814257	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	789869	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	558694	11.24	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	56287	13.40	PPBV		91
4) CHLORODIFLUOROMETHANE	1.833	67	29214	13.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	176498	10.89	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.872	85	791264	11.69	PPBV	#	96
7) PROPYLENE	1.846	41	54798	13.21	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	648377	12.02	PPBV		94
9) FREON 114	1.965	85	853916	11.93	PPBV		97
10) CHLOROMETHANE	1.930	52	71899	12.80	PPBV		96
11) VINYL CHLORIDE	2.010	62	265687	13.12	PPBV		99
12) 1,3-BUTADIENE	2.058	54	183771	13.05	PPBV		86
13) N-BUTANE	2.081	43	306500	13.18	PPBV		99
14) BROMOMETHANE	2.158	94	260391	11.21	PPBV		99
15) CHLOROETHANE	2.225	64	129038	12.61	PPBV	#	94
16) DICHLOROFLUOROMETHANE	2.258	67	549264	12.58	PPBV	#	98
17) ACETONITRILE	2.348	41	148808	12.94	PPBV		95
18) ACROLEIN	2.396	56	97753	12.00	PPBV		98
19) FREON 123	2.418	83	632646	12.17	PPBV		99
20) FREON 123A	2.441	117	358275	10.86	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.518	101	890113	10.97	PPBV		100
22) ISOPROPYL ALCOHOL	2.534	45	565346	12.84	PPBV		98
23) ACETONE	2.447	58	123267	12.29	PPBV		75
24) PENTANE	2.640	42	405654	12.24	PPBV		97
25) IODOMETHANE	2.701	142	1366478	9.36	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.730	96	564036	10.35	PPBV		86
27) CARBON DISULFIDE	2.865	76	1940214	12.14	PPBV	#	92
28) ETHANOL	2.261	45	75478	11.18	PPBV	#	97
29) BROMOETHENE	2.357	106	253440	10.91	PPBV	#	96
30) ACRYLONITRILE	2.611	52	282367	11.72	PPBV		99
31) METHYLENE CHLORIDE	2.766	84	538452	10.00	PPBV		90
32) 3-CHLOROPROPENE	2.807	76	290453	11.20	PPBV	#	81
33) FREON 113	2.865	151	957593	9.15	PPBV		84
34) TRANS-1,2-DICHLOROETHENE	3.103	96	494854	10.67	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.737	59	924885	11.35	PPBV	#	82
36) METHYL TERTIARY BUTYL ...	3.219	73	519305	11.39	PPBV		99
37) TETRAHYDROFURAN	3.942	72	115187	13.61	PPBV		97
38) HEXANE	3.701	57	394450	14.30	PPBV		88
39) VINYL ACETATE	3.261	86	56965	12.40	PPBV		99
40) 1,1-DICHLOROETHANE	3.184	63	330802	12.45	PPBV		100
41) METHYL ETHYL KETONE	3.360	72	108877	11.17	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.566	96	240044	10.63	PPBV		98
43) DIISOPROPYL ETHER	3.704	59	117848	13.67	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58455.D
Acq On : 23 Mar 2022 9:33 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:19 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.708	61	86274	14.29	PPBV		93
45)	METHYL ACRYLATE	3.698	55	463406	14.66	PPBV	#	97
46)	CHLOROFORM	3.724	83	556202	11.97	PPBV	#	98
47)	2,4-DIMETHYLPENTANE	4.241	57	393127	13.04	PPBV		99
48)	1,1,1-TRICHLOROETHANE	4.325	97	456950	10.60	PPBV		97
49)	CARBON TETRACHLORIDE	4.762	117	467480	11.02	PPBV		98
50)	1,2-DICHLOROETHANE	4.151	62	303214	11.78	PPBV	#	96
51)	BENZENE	4.647	78	719100	11.55	PPBV		98
53)	CYCLOHEXANE	4.865	84	308973	10.79	PPBV		93
54)	2,3-DIMETHYLPENTANE	5.129	71	157302	11.77	PPBV		98
55)	TRICHLOROETHENE	5.579	95	338882	11.02	PPBV		96
56)	1,2-DICHLOROPROPANE	5.338	63	255885	12.47	PPBV		95
57)	DIBROMOMETHANE	5.296	174	268524	8.43	PPBV	#	84
58)	ETHYL ACRYLATE	5.454	55	504051	13.51	PPBV		99
59)	BROMODICHLOROMETHANE	5.524	83	558233	11.73	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.675	57	1103296	12.81	PPBV		100
61)	1,4-DIOXANE	5.585	88	178606	10.21	PPBV		93
62)	HEPTANE	6.003	43	344746	13.58	PPBV		95
63)	METHYL METHACRYLATE	5.891	69	285425	12.90	PPBV		95
64)	METHYL ISOBUTYL KETONE	6.643	58	220275	13.51	PPBV		94
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	394530	12.01	PPBV	#	89
66)	TOLUENE	7.781	91	939485	11.56	PPBV		97
67)	1,3-DICHLOROPROPANE	7.836	76	460075	12.19	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	340260	12.29	PPBV	#	91
69)	1,1,2-TRICHLOROETHANE	7.402	83	270947	11.19	PPBV		99
70)	2-HEXANONE	8.347	58	300113	13.43	PPBV		90
71)	ETHYL METHACRYLATE	8.482	69	498460	13.77	PPBV		94
72)	TETRACHLOROETHENE	9.547	164	336068	9.72	PPBV		96
73)	DIBROMOCHLOROMETHANE	8.328	129	558573	10.85	PPBV		99
74)	1,2-DIBROMOETHANE	8.675	107	528990	11.91	PPBV		99
75)	OCTANE	9.682	43	490729	13.88	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.775	131	399452	10.52	PPBV		94
78)	CHLOROBENZENE	10.769	112	783724	10.31	PPBV		100
79)	ETHYLBENZENE	11.656	91	1284311	11.27	PPBV		98
80)	M,P-XYLENE	12.090	91	2089015	23.61	PPBV		98
81)	O-XYLENE	13.032	91	1088810	12.02	PPBV		98
82)	STYRENE	12.817	104	812294	11.72	PPBV		98
83)	NONANE	14.141	43	565945	13.39	PPBV		94
84)	BROMOFORM	11.900	173	533797	10.25	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.039	83	848536	12.46	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.321	75	585232	12.46	PPBV	#	100
88)	ISOPROPYLBENZENE	14.553	120	428509	11.09	PPBV		91
89)	BROMOBENZENE	14.424	77	716639	12.21	PPBV		97
90)	2-CHLOROTOLUENE	15.559	126	370150	10.79	PPBV		98
91)	N-PROPYLBENZENE	15.900	120	430969	10.96	PPBV		99
92)	4-ETHYLTOLUENE	16.218	105	1642630	12.12	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.366	105	1382859	12.38	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.556	118	746875	12.59	PPBV		99
95)	TERT-BUTYLBENZENE	16.807	134	368034	11.62	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1611033	13.24	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58455.D
Acq On : 23 Mar 2022 9:33 am
Operator : thomash
Sample : bs
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:19 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	845248	22.44	PPBV	99
98)	M-DICHLOROBENZENE	16.874	146	965288	11.75	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	979302	11.85	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	995284	11.99	PPBV	99
101)	SEC-BUTYLBENZENE	17.080	134	474957	12.12	PPBV	96
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1520363	13.21	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.257	134	559370	12.31	PPBV	99
104)	N-BUTYLBENZENE	17.601	134	489032	12.04	PPBV	87
105)	HEXACHLOROETHANE	17.778	117	675558	12.56	PPBV	92
106)	HEXACHLOROBUTADIENE	18.813	225	646774	9.90	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.505	180	658948	10.48	PPBV	99
108)	NAPHTHALENE	18.553	128	1600794	10.67	PPBV	99

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

Quantitation Report (QT Reviewed)

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Data Path : C:\msdchem\1\DATA\
Data File : 2w58455.D
Acq On    : 23 Mar 2022   9:33 am
Operator  : thomash
Sample    : bs
Misc      : MS57180,V2w2603,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Mar 23 14:31:19 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title  : TO15 by GCMS w/DB-1, 30m  X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration
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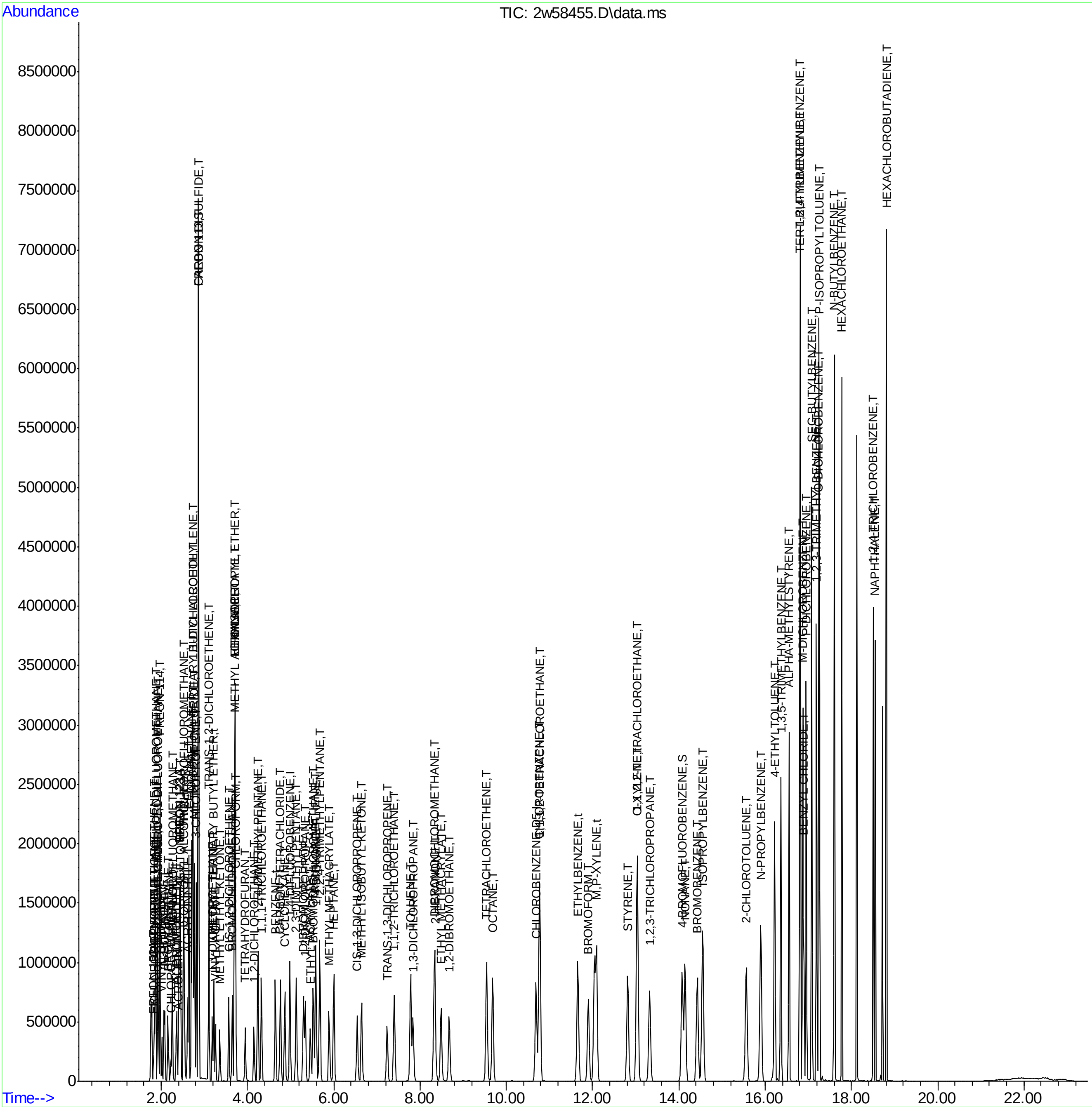


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58456.D
Acq On : 23 Mar 2022 10:10 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:36 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	166522	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	873081	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.685	117	847351	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	589126	11.05	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	60024	13.11	PPBV	#	89
4) CHLORODIFLUOROMETHANE	1.827	67	31199	13.09	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.846	116	183135	10.37	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.866	85	842058	11.41	PPBV	#	97
7) PROPYLENE	1.840	41	56789	12.56	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	688384	11.70	PPBV		94
9) FREON 114	1.962	85	904501	11.59	PPBV		97
10) CHLOROMETHANE	1.920	52	75935	12.40	PPBV		97
11) VINYL CHLORIDE	2.004	62	285887	12.94	PPBV		100
12) 1,3-BUTADIENE	2.055	54	194753	12.68	PPBV		88
13) N-BUTANE	2.075	43	321332	12.67	PPBV		99
14) BROMOMETHANE	2.155	94	274846	10.85	PPBV		100
15) CHLOROETHANE	2.219	64	135707	12.16	PPBV	#	87
16) DICHLOROFLUOROMETHANE	2.251	67	579046	12.16	PPBV	#	97
17) ACETONITRILE	2.341	41	155860	12.43	PPBV		97
18) ACROLEIN	2.393	56	100320	11.29	PPBV		100
19) FREON 123	2.412	83	644457	11.37	PPBV		99
20) FREON 123A	2.435	117	361834	10.06	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.515	101	875057	9.89	PPBV		100
22) ISOPROPYL ALCOHOL	2.531	45	558849	11.64	PPBV		96
23) ACETONE	2.441	58	122323	11.19	PPBV		75
24) PENTANE	2.640	42	412828	11.42	PPBV		97
25) IODOMETHANE	2.702	142	1399063	8.79	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.727	96	581532	9.78	PPBV		87
27) CARBON DISULFIDE	2.866	76	1968578	11.29	PPBV	#	92
28) ETHANOL	2.258	45	79685	10.83	PPBV	#	98
29) BROMOETHENE	2.354	106	261741	10.34	PPBV	#	98
30) ACRYLONITRILE	2.608	52	285922	10.88	PPBV		98
31) METHYLENE CHLORIDE	2.766	84	553878	9.43	PPBV		89
32) 3-CHLOROPROPENE	2.808	76	294621	10.42	PPBV	#	80
33) FREON 113	2.862	151	979781	8.59	PPBV		84
34) TRANS-1,2-DICHLOROETHENE	3.103	96	602801	11.92	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.737	59	1016441	11.44	PPBV	#	82
36) METHYL TERTIARY BUTYL ...	3.219	73	550006	11.06	PPBV		99
37) TETRAHYDROFURAN	3.946	72	120557	13.07	PPBV		98
38) HEXANE	3.702	57	413231	13.74	PPBV		89
39) VINYL ACETATE	3.261	86	60079	11.99	PPBV		98
40) 1,1-DICHLOROETHANE	3.184	63	347546	12.00	PPBV		99
41) METHYL ETHYL KETONE	3.358	72	113723	10.70	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.570	96	255053	10.35	PPBV		98
43) DIISOPROPYL ETHER	3.702	59	124291	13.22	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58456.D
Acq On : 23 Mar 2022 10:10 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:36 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.708	61	91189	13.86	PPBV		94
45)	METHYL ACRYLATE	3.698	55	486030	14.11	PPBV	#	98
46)	CHLOROFORM	3.724	83	590646	11.66	PPBV	#	97
47)	2,4-DIMETHYLPENTANE	4.242	57	417694	12.71	PPBV		98
48)	1,1,1-TRICHLOROETHANE	4.322	97	485082	10.32	PPBV		96
49)	CARBON TETRACHLORIDE	4.763	117	483712	10.46	PPBV		100
50)	1,2-DICHLOROETHANE	4.152	62	317051	11.30	PPBV	#	97
51)	BENZENE	4.650	78	761940	11.23	PPBV		97
53)	CYCLOHEXANE	4.865	84	324819	10.58	PPBV		94
54)	2,3-DIMETHYLPENTANE	5.132	71	166645	11.63	PPBV		100
55)	TRICHLOROETHENE	5.579	95	356421	10.81	PPBV		97
56)	1,2-DICHLOROPROPANE	5.335	63	266666	12.12	PPBV		95
57)	DIBROMOMETHANE	5.296	174	283105	8.29	PPBV	#	84
58)	ETHYL ACRYLATE	5.457	55	528742	13.22	PPBV		98
59)	BROMODICHLOROMETHANE	5.525	83	589625	11.56	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.676	57	1180995	12.79	PPBV		100
61)	1,4-DIOXANE	5.582	88	188214	10.03	PPBV		94
62)	HEPTANE	6.004	43	370176	13.60	PPBV		97
63)	METHYL METHACRYLATE	5.888	69	304257	12.82	PPBV		94
64)	METHYL ISOBUTYL KETONE	6.647	58	230977	13.21	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	418448	11.88	PPBV	#	90
66)	TOLUENE	7.782	91	997689	11.45	PPBV		98
67)	1,3-DICHLOROPROPANE	7.840	76	492585	12.18	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	362711	12.22	PPBV	#	90
69)	1,1,2-TRICHLOROETHANE	7.402	83	291332	11.22	PPBV		98
70)	2-HEXANONE	8.344	58	313846	13.09	PPBV		90
71)	ETHYL METHACRYLATE	8.486	69	521841	13.45	PPBV		96
72)	TETRACHLOROETHENE	9.541	164	355516	9.59	PPBV		96
73)	DIBROMOCHLOROMETHANE	8.328	129	594558	10.77	PPBV		99
74)	1,2-DIBROMOETHANE	8.679	107	553648	11.62	PPBV		99
75)	OCTANE	9.685	43	517476	13.65	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.775	131	416048	10.21	PPBV		93
78)	CHLOROBENZENE	10.766	112	822736	10.09	PPBV		100
79)	ETHYLBENZENE	11.656	91	1344360	11.00	PPBV		99
80)	M,P-XYLENE	12.087	91	2172750	22.89	PPBV		98
81)	O-XYLENE	13.032	91	1132189	11.65	PPBV		96
82)	STYRENE	12.817	104	848164	11.40	PPBV		98
83)	NONANE	14.145	43	589067	12.99	PPBV		94
84)	BROMOFORM	11.904	173	562205	10.07	PPBV	#	97
85)	1,1,2,2-TETRACHLOROETHANE	13.036	83	883100	12.09	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.322	75	607894	12.07	PPBV	#	100
88)	ISOPROPYLBENZENE	14.553	120	442611	10.68	PPBV		91
89)	BROMOBENZENE	14.425	77	745383	11.84	PPBV		96
90)	2-CHLOROTOLUENE	15.563	126	383201	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.900	120	446290	10.58	PPBV		99
92)	4-ETHYLTOLUENE	16.222	105	1677324	11.54	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.367	105	1417797	11.83	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.556	118	748118	11.76	PPBV		98
95)	TERT-BUTYLBENZENE	16.807	134	372057	10.95	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.814	105	1625373	12.45	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58456.D
Acq On : 23 Mar 2022 10:10 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:36 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

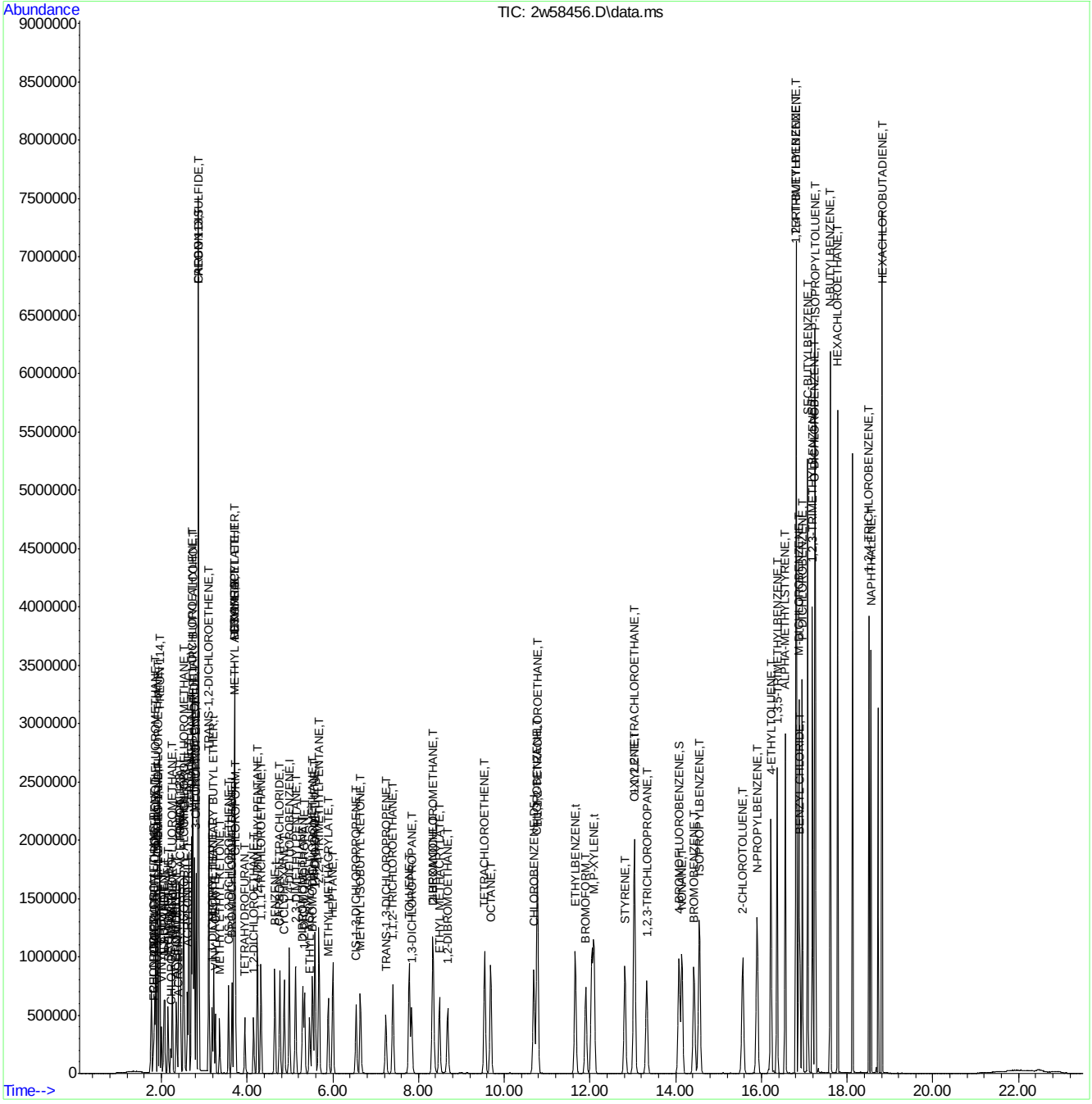
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	841874	20.83	PPBV	100
98) M-DICHLOROBENZENE	16.871	146	984223	11.17	PPBV	99
99) P-DICHLOROBENZENE	16.955	146	995861	11.23	PPBV	99
100) O-DICHLOROBENZENE	17.244	146	1008484	11.33	PPBV	99
101) SEC-BUTYLBENZENE	17.080	134	476394	11.33	PPBV	94
102) 1,2,3-TRIMETHYLBENZENE	17.190	105	1547064	12.53	PPBV	98
103) P-ISOPROPYLTOLUENE	17.257	134	559092	11.47	PPBV	99
104) N-BUTYLBENZENE	17.601	134	484331	11.11	PPBV	86
105) HEXACHLOROETHANE	17.778	117	665384	11.53	PPBV	92
106) HEXACHLOROBUTADIENE	18.813	225	646449	9.23	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	659000	9.77	PPBV	98
108) NAPHTHALENE	18.556	128	1580126	9.81	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58456.D
Acq On : 23 Mar 2022 10:10 am
Operator : thomash
Sample : bsd
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:31:36 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75845.D
Acq On : 26 Apr 2022 12:20 pm
Operator : thomash
Sample : jd41997-3dup
Misc : MS57754,V3W2984,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 22:30:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

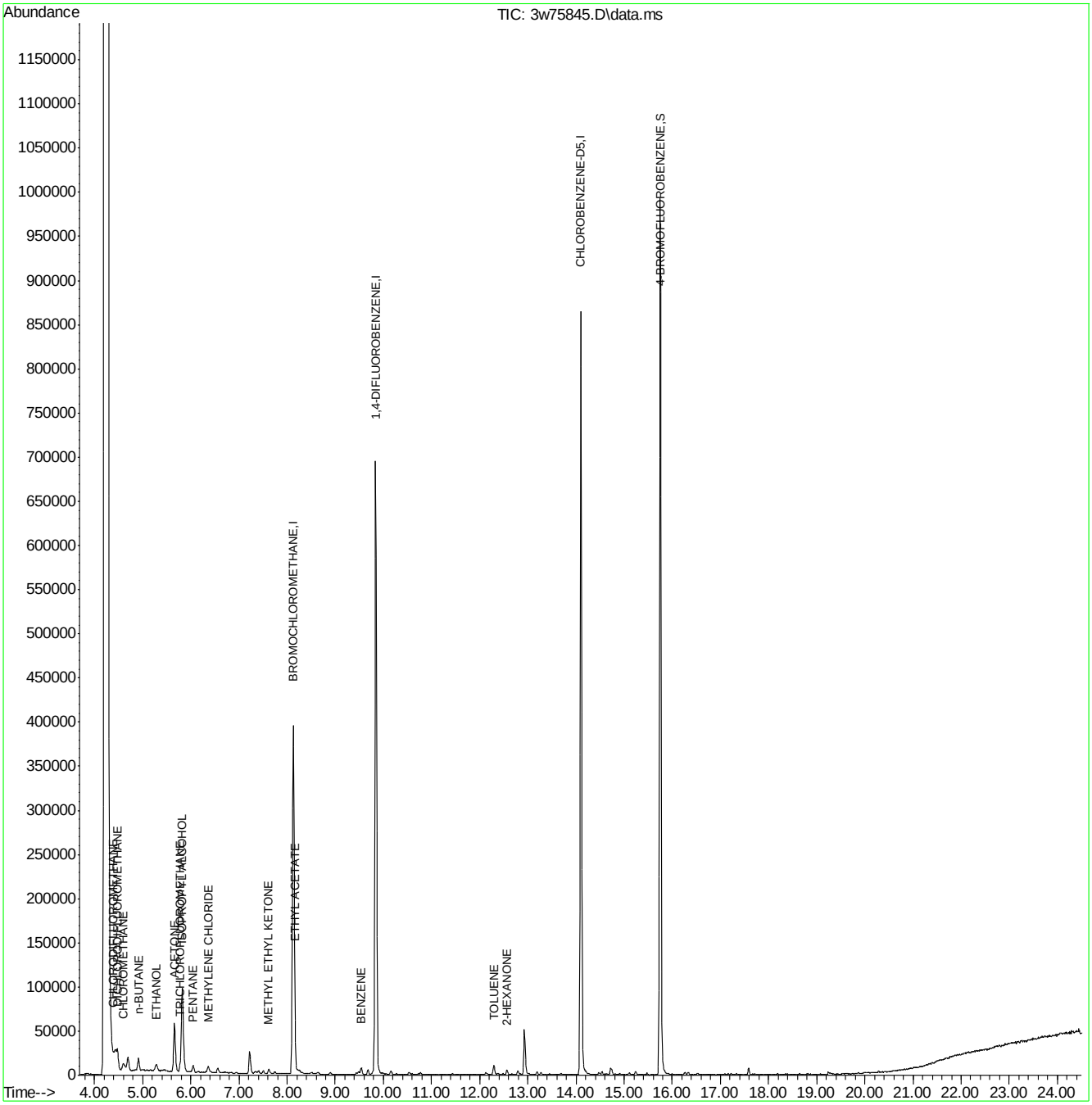
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	138345	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	670500	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	334996	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	409159	11.49	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.90%				
Target Compounds							Qvalue
4) CHLORODIFLUOROMETHANE	4.387	67	1740	0.29	PPBV		99
6) DICHLORODIFLUOROMETHANE	4.478	85	26459	0.42	PPBV		95
10) CHLOROMETHANE	4.594	52	3163	0.60	PPBV	#	81
13) n-BUTANE	4.910	43	15901	0.60	PPBV		90
21) TRICHLOROFLUOROMETHANE	5.780	101	12852	0.23	PPBV		100
22) ISOPROPYL ALCOHOL	5.823	45	167436	4.38	PPBV		99
23) ACETONE	5.658	58	20449	2.19	PPBV		99
24) PENTANE	6.042	42	3777	0.18	PPBV		88
28) ETHANOL	5.281	45	13360	1.74	PPBV		91
31) METHYLENE CHLORIDE	6.364	84	3874	0.21	PPBV		84
41) METHYL ETHYL KETONE	7.617	72	1806	0.20	PPBV	#	74
44) ETHYL ACETATE	8.159	61	2144	0.35	PPBV	#	5
52) BENZENE	9.540	78	8004	0.14	PPBV		99
66) TOLUENE	12.296	92	5711	0.14	PPBV		99
71) 2-HEXANONE	12.563	58	2341	0.11	PPBV	#	74

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

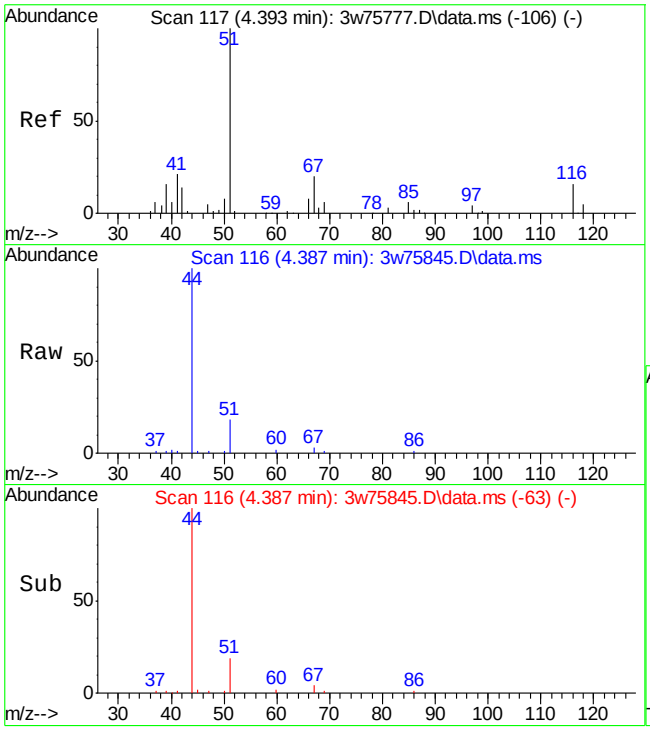
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75845.D
Acq On : 26 Apr 2022 12:20 pm
Operator : thomash
Sample : jd41997-3dup
Misc : MS57754,V3W2984,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 22:30:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



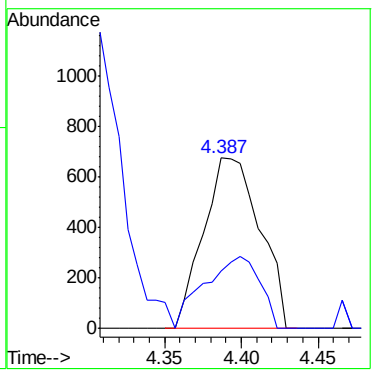
M3W2981.M Thu Apr 28 22:36:53 2022 Page: 2

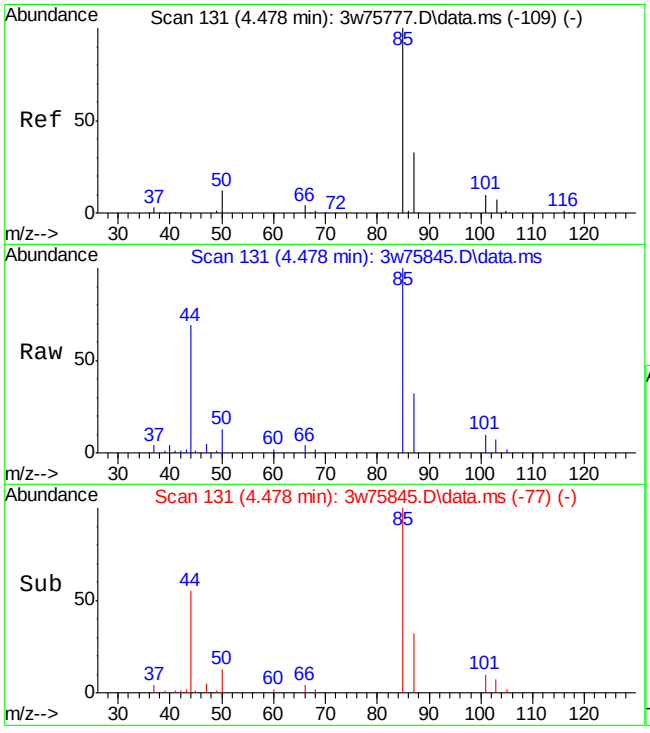


#4
CHLORODIFLUOROMETHANE
Concen: 0.29 PPBV
RT: 4.387 min Scan# 116
Delta R.T. -0.006 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 67 Resp: 1740

Ion	Ratio	Lower	Upper
67	100		
69	33.6	13.0	53.0

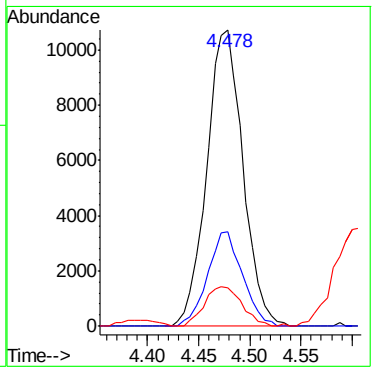


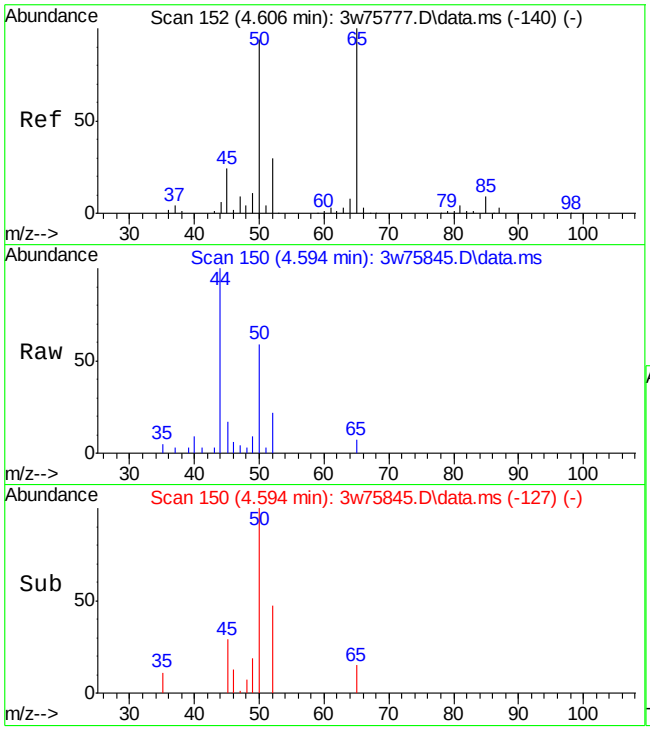


#6
DICHLORODIFLUOROMETHANE
Concen: 0.42 PPBV
RT: 4.478 min Scan# 131
Delta R.T. 0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 85 Resp: 26459

Ion	Ratio	Lower	Upper
85	100		
87	30.7	12.5	52.5
50	13.7	0.0	30.4

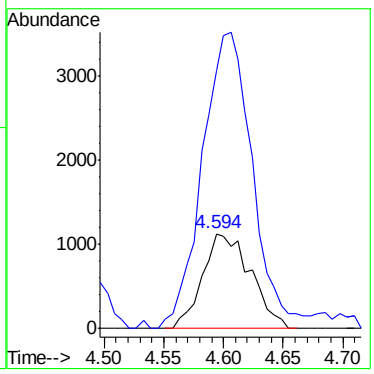


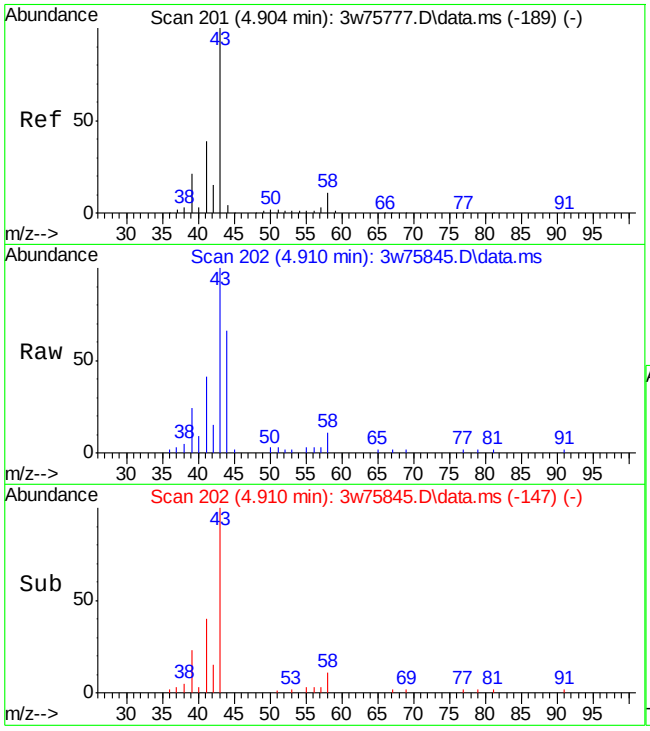


#10
CHLOROMETHANE
Concen: 0.60 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 52 Resp: 3163

Ion	Ratio	Lower	Upper
52	100		
50	259.8	276.8	316.8#

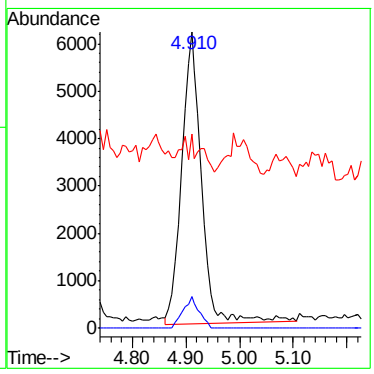


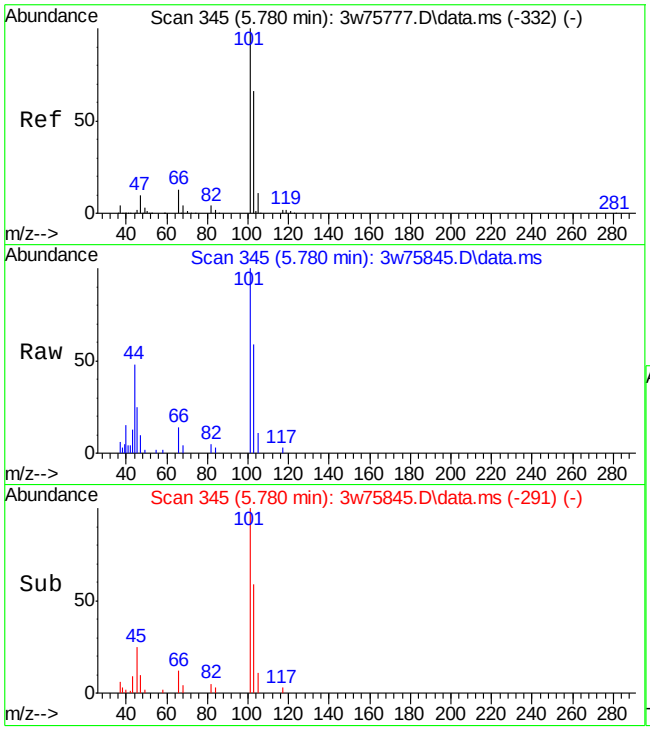


#13
n-BUTANE
Concen: 0.60 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 43 Resp: 15901

Ion	Ratio	Lower	Upper
43	100		
58	8.8	0.0	31.2
44	11.3	0.0	24.6

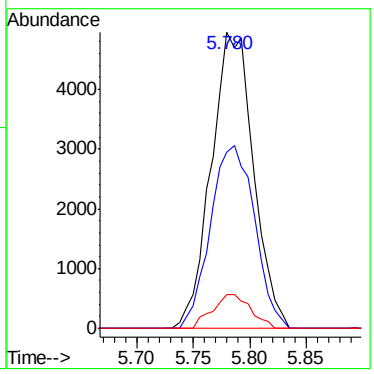


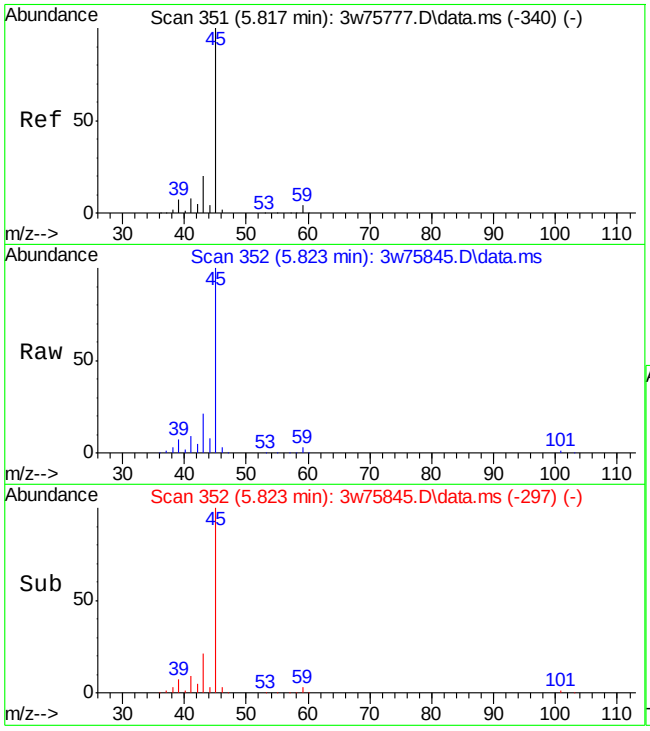


#21
TRICHLOROFLUOROMETHANE
Concen: 0.23 PPBV
RT: 5.780 min Scan# 345
Delta R.T. 0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion:101 Resp: 12852

Ion	Ratio	Lower	Upper
101	100		
103	64.5	44.8	84.8
105	10.3	0.0	30.5

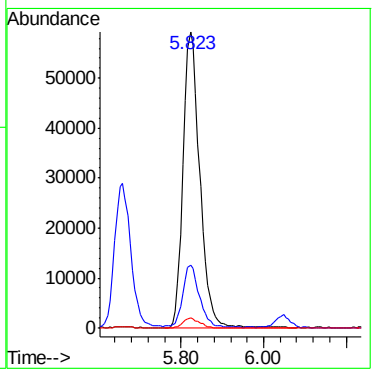


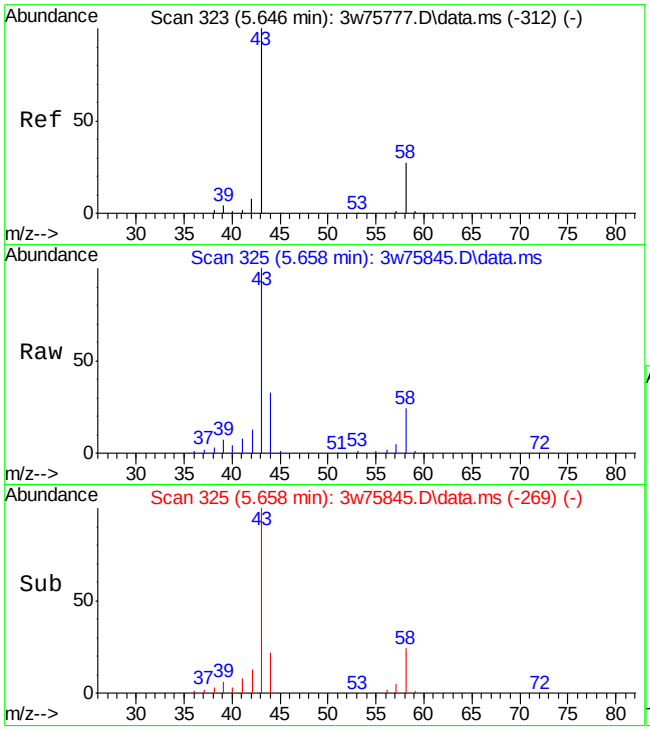


#22
ISOPROPYL ALCOHOL
Concen: 4.38 PPBV
RT: 5.823 min Scan# 352
Delta R.T. 0.006 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 45 Resp: 167436

Ion	Ratio	Lower	Upper
45	100		
43	21.2	0.7	40.7
59	3.4	0.0	23.6

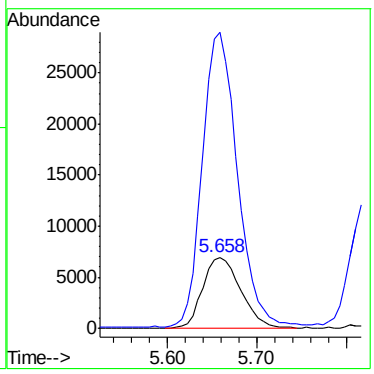


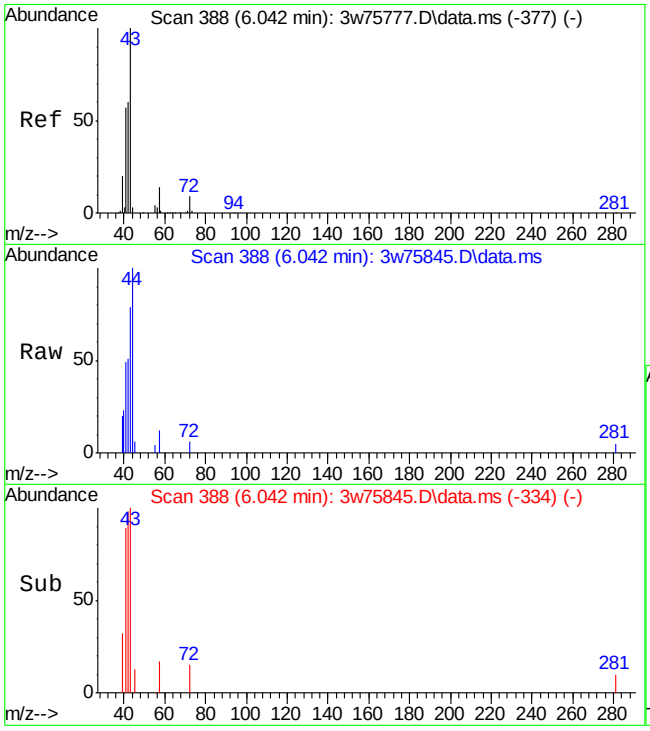


#23
ACETONE
Concen: 2.19 PPBV
RT: 5.658 min Scan# 325
Delta R.T. 0.012 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 58 Resp: 20449

Ion	Ratio	Lower	Upper
58	100		
43	386.0	362.9	402.9

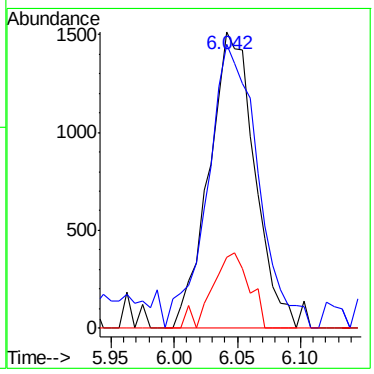


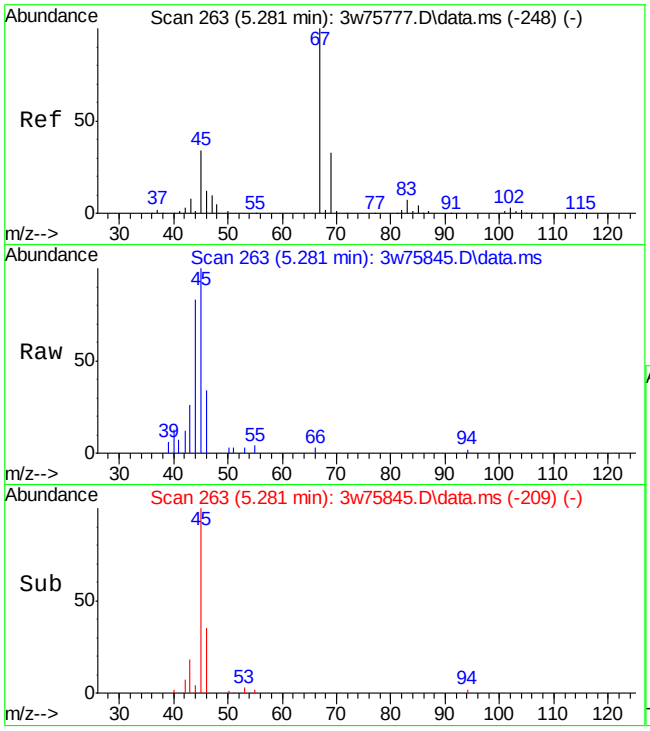


#24
PENTANE
Concen: 0.18 PPBV
RT: 6.042 min Scan# 388
Delta R.T. -0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 42 Resp: 3777

Ion	Ratio	Lower	Upper
42	100		
41	105.8	73.3	113.3
57	20.7	4.4	44.4

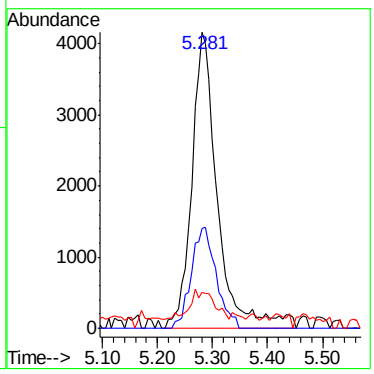


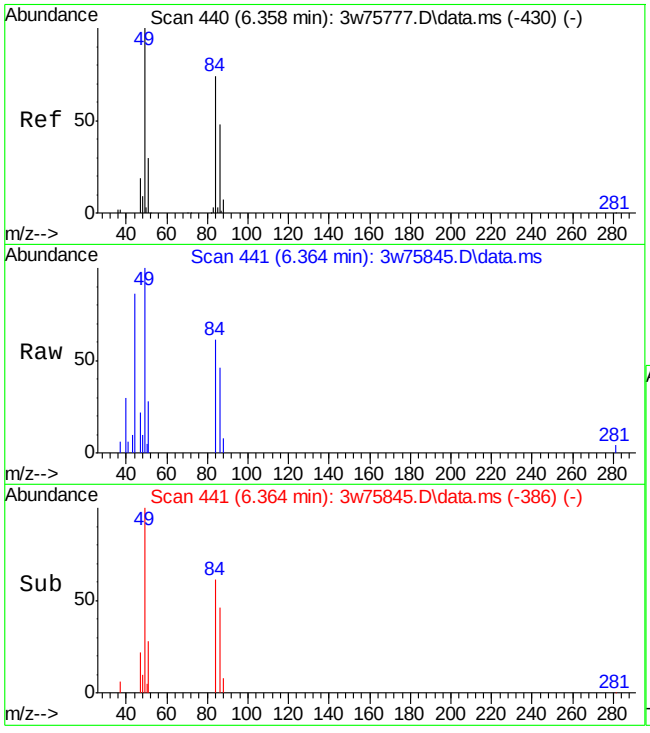


#28
ETHANOL
Concen: 1.74 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 45 Resp: 13360

Ion	Ratio	Lower	Upper
45	100		
46	33.2	14.9	54.9
42	21.5	0.0	30.1

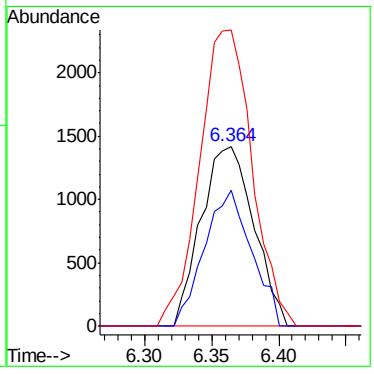


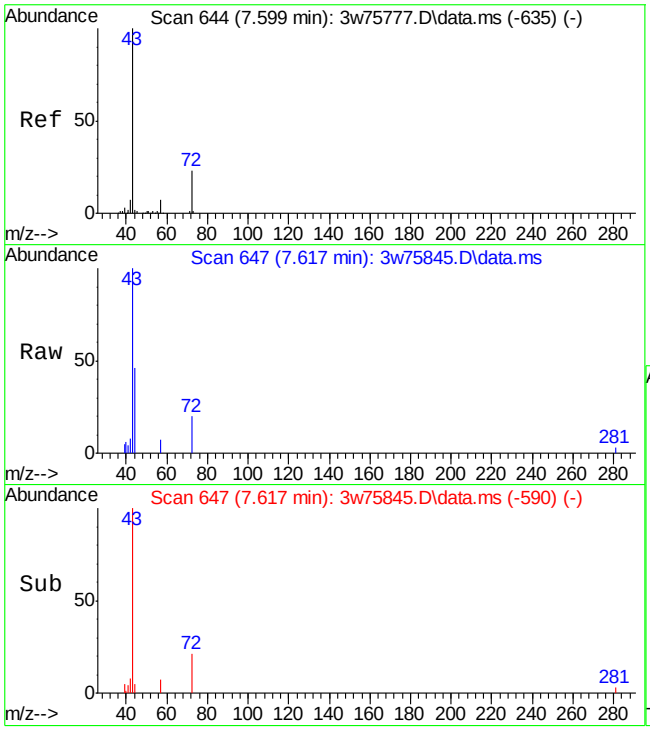


#31
METHYLENE CHLORIDE
Concen: 0.21 PPBV
RT: 6.364 min Scan# 441
Delta R.T. 0.006 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 84 Resp: 3874

Ion	Ratio	Lower	Upper
84	100		
86	67.6	45.6	85.6
49	164.3	0.0	337.9

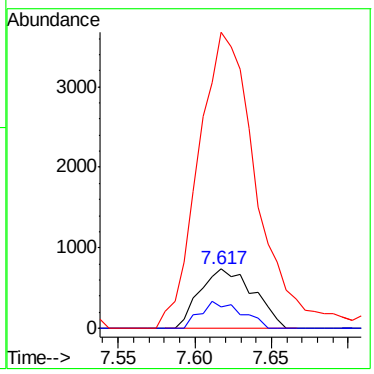


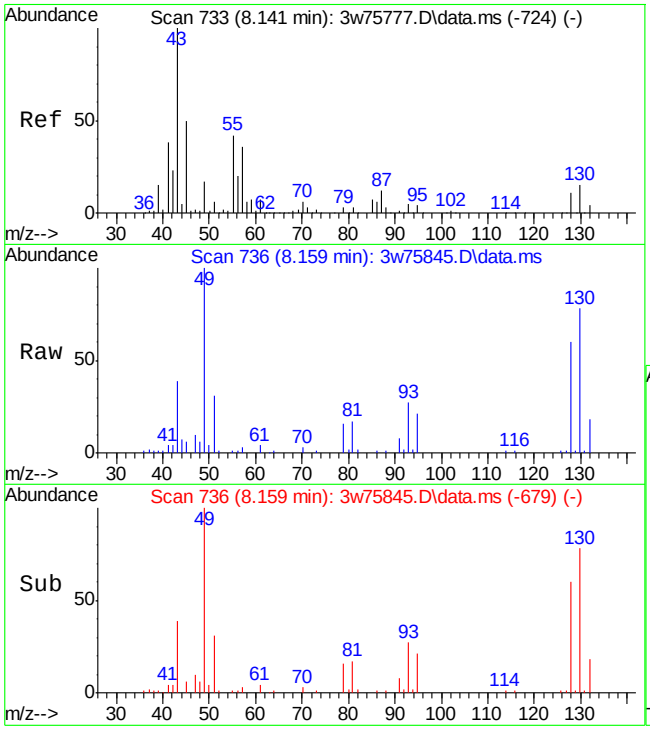


#41
METHYL ETHYL KETONE
Concen: 0.20 PPBV
RT: 7.617 min Scan# 647
Delta R.T. 0.018 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 72 Resp: 1806

Ion	Ratio	Lower	Upper
72	100		
57	35.3	11.7	51.7
43	497.6	409.1	449.1#

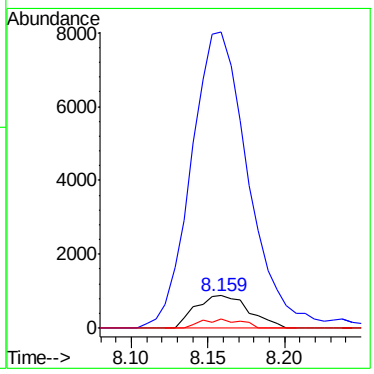


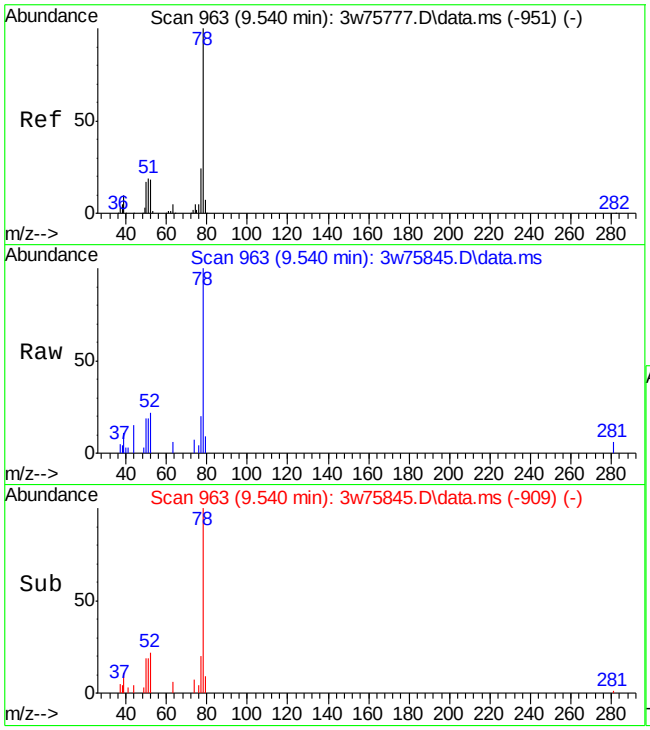


#44
ETHYL ACETATE
Concen: 0.35 PPBV
RT: 8.159 min Scan# 736
Delta R.T. 0.018 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 61 Resp: 2144

Ion	Ratio	Lower	Upper
61	100		
43	1001.4	1591.1	1631.1#
88	21.1	23.8	63.8#

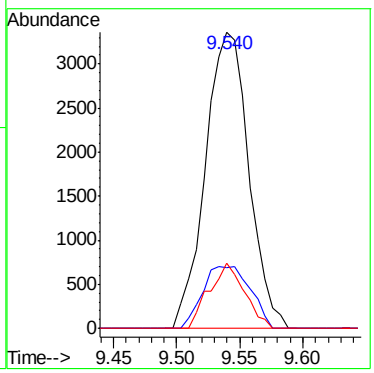


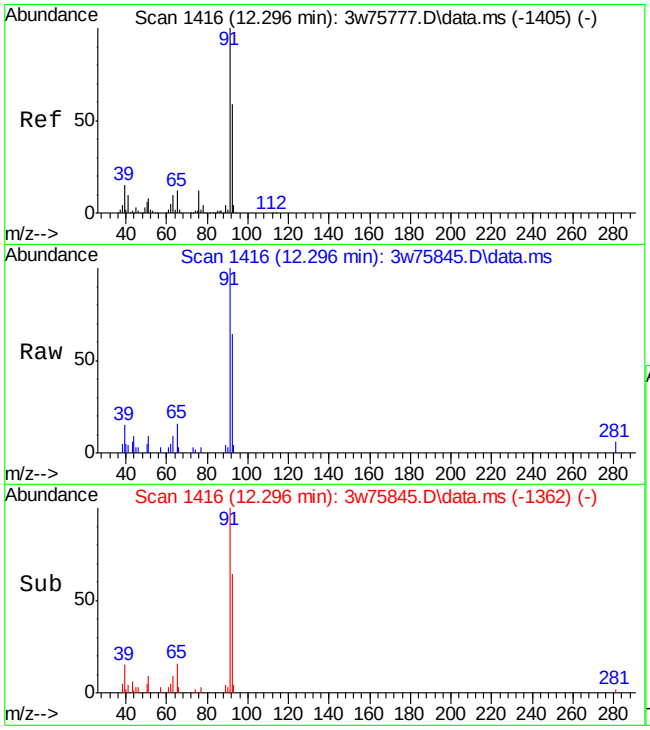


#52
BENZENE
Concen: 0.14 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 78 Resp: 8004

Ion	Ratio	Lower	Upper
78	100		
77	23.0	3.4	43.4
52	18.0	0.0	37.0

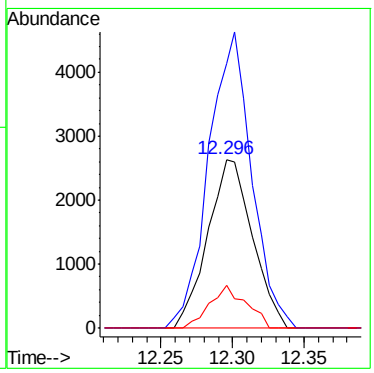


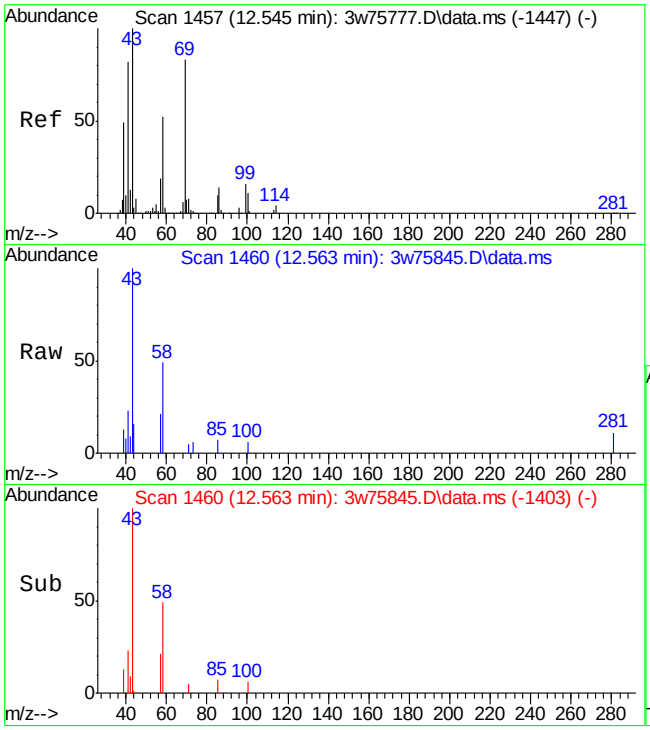


#66
TOLUENE
Concen: 0.14 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 92 Resp: 5711

Ion	Ratio	Lower	Upper
92	100		
91	169.0	150.3	190.3
65	20.6	2.5	42.5

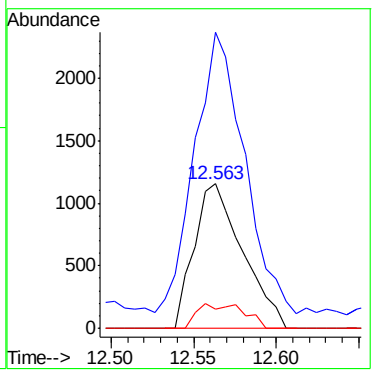




#71
2-HEXANONE
Concen: 0.11 PPBV
RT: 12.563 min Scan# 1460
Delta R.T. 0.018 min
Lab File: 3w75845.D
Acq: 26 Apr 2022 12:20 pm

Tgt Ion: 58 Resp: 2341

Ion	Ratio	Lower	Upper
58	100		
43	236.9	176.3	216.3#
100	16.3	1.4	41.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 23:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75902.D
Acq On : 28 Apr 2022 2:32 pm
Operator : thomash
Sample : jd42255-26dup
Misc : MS57899,V3W2986,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 19:16:10 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

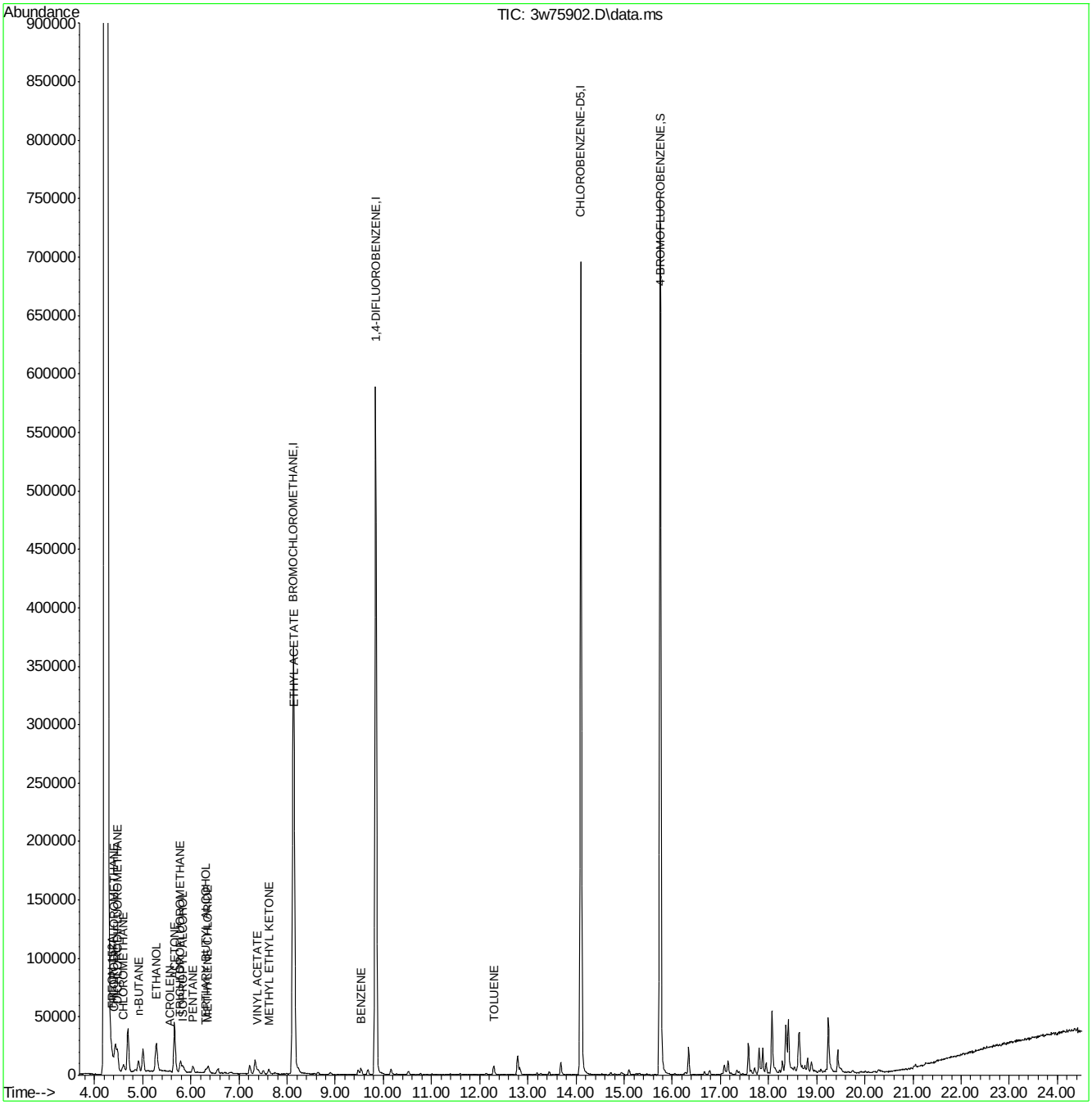
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	111086	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	555917	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	266111	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	302557	10.70	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.00%				
Target Compounds							Qvalue
3) FREON 152A	4.363	65	1783	0.19	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.399	67	1207	0.25	PPBV		83
6) DICHLORODIFLUOROMETHANE	4.472	85	22194	0.43	PPBV		98
10) CHLOROMETHANE	4.594	52	2398	0.57	PPBV	#	85
13) n-BUTANE	4.910	43	12971	0.61	PPBV		94
18) ACROLEIN	5.561	56	601m	0.12	PPBV		
21) TRICHLOROFLUOROMETHANE	5.786	101	10717	0.24	PPBV		100
22) ISOPROPYL ALCOHOL	5.829	45	9906	0.32	PPBV		87
23) ACETONE	5.664	58	14538	1.94	PPBV	#	88
24) PENTANE	6.048	42	3165	0.19	PPBV		93
28) ETHANOL	5.281	45	43664	7.10	PPBV		98
31) METHYLENE CHLORIDE	6.352	84	2793	0.19	PPBV		84
35) TERTIARY BUTYL ALCOHOL	6.303	59	3142	0.10	PPBV	#	1
39) VINYL ACETATE	7.380	86	411	0.16	PPBV	#	1
41) METHYL ETHYL KETONE	7.623	72	1309	0.18	PPBV	#	84
44) ETHYL ACETATE	8.147	61	19336	3.97	PPBV	#	1
52) BENZENE	9.540	78	5685	0.12	PPBV		98
66) TOLUENE	12.296	92	3590	0.11	PPBV		94

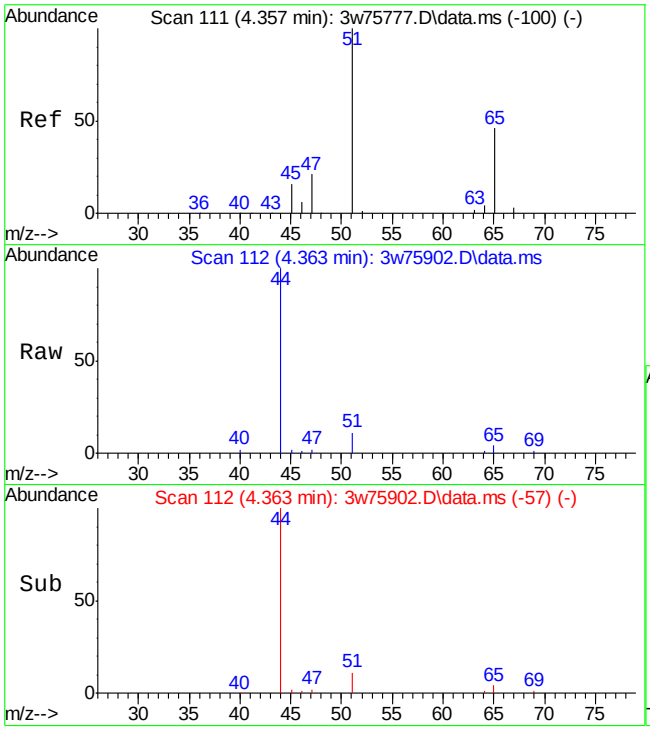
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75902.D
Acq On : 28 Apr 2022 2:32 pm
Operator : thomash
Sample : jd42255-26dup
Misc : MS57899,V3W2986,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 19:16:10 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

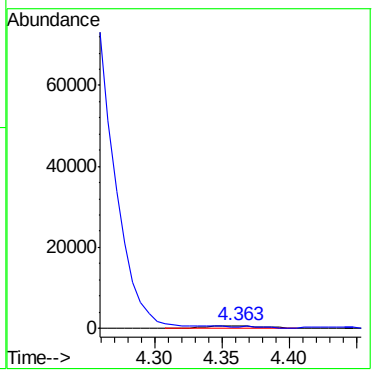


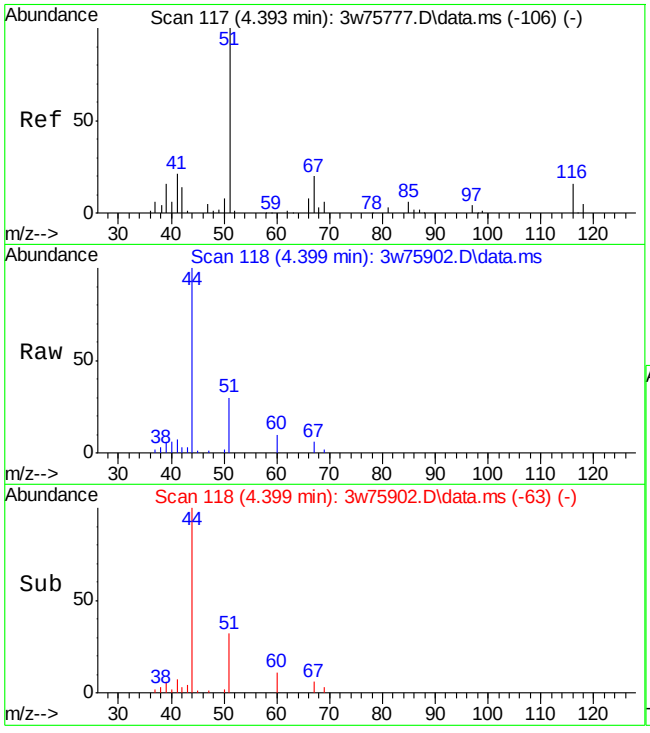


#3
FREON 152A
Concen: 0.19 PPBV
RT: 4.363 min Scan# 112
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 65 Resp: 1783

Ion	Ratio	Lower	Upper
65	100		
45	0.0	14.6	54.6#

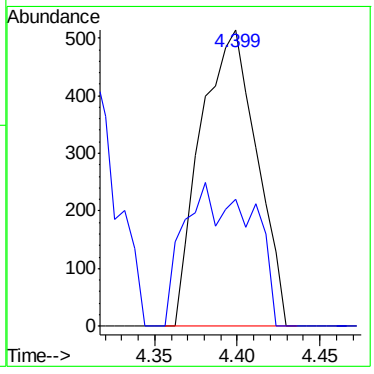


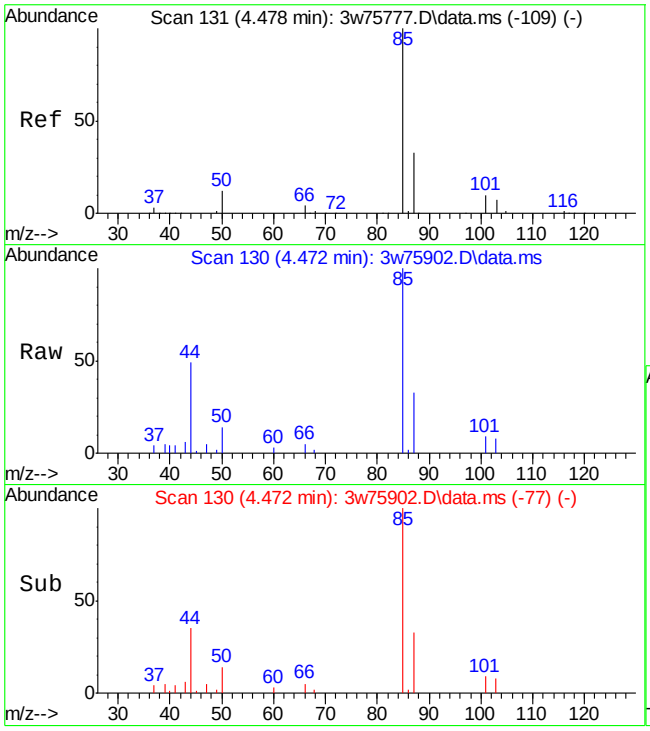


#4
CHLORODIFLUOROMETHANE
Concen: 0.25 PPBV
RT: 4.399 min Scan# 118
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 67 Resp: 1207

Ion	Ratio	Lower	Upper
67	100		
69	42.8	13.0	53.0

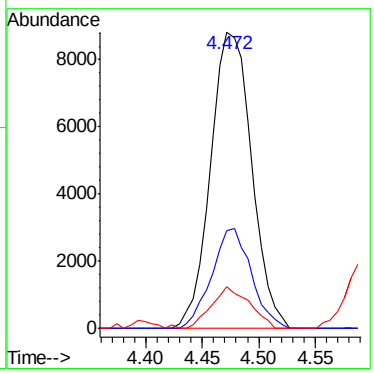


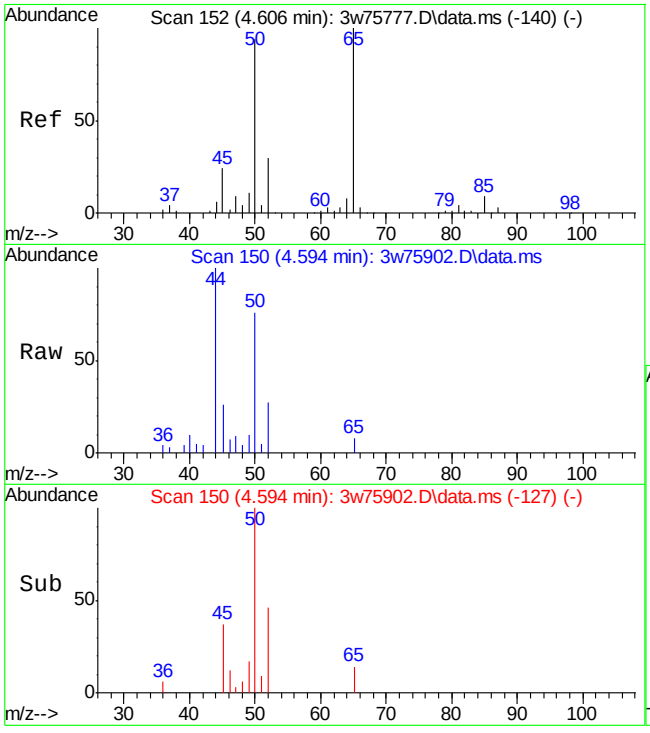


#6
DICHLORODIFLUOROMETHANE
Concen: 0.43 PPBV
RT: 4.472 min Scan# 130
Delta R.T. -0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 85 Resp: 22194

Ion	Ratio	Lower	Upper
85	100		
87	32.5	12.5	52.5
50	12.9	0.0	30.4

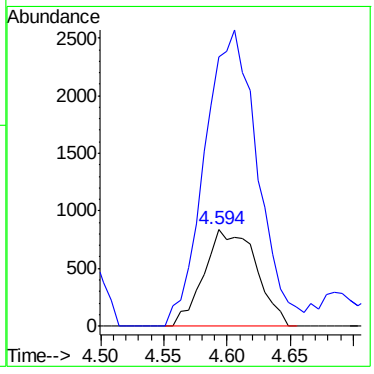


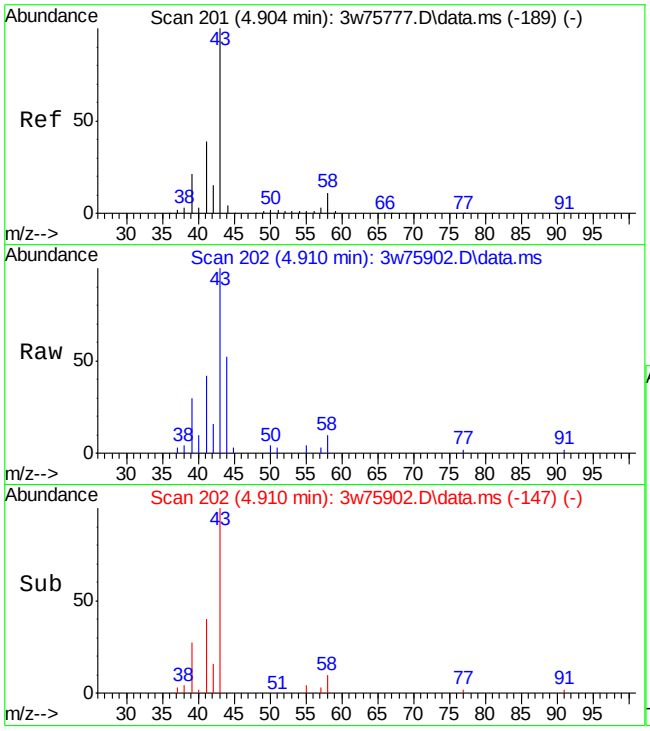


#10
CHLOROMETHANE
Concen: 0.57 PPBV
RT: 4.594 min Scan# 150
Delta R.T. -0.012 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 52 Resp: 2398

Ion	Ratio	Lower	Upper
52	100		
50	267.7	276.8	316.8#

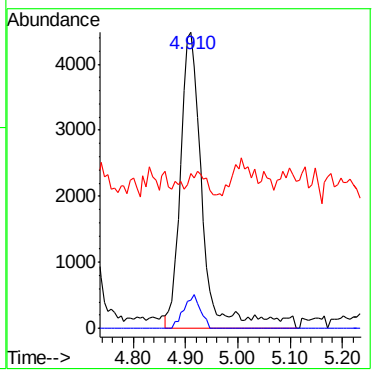


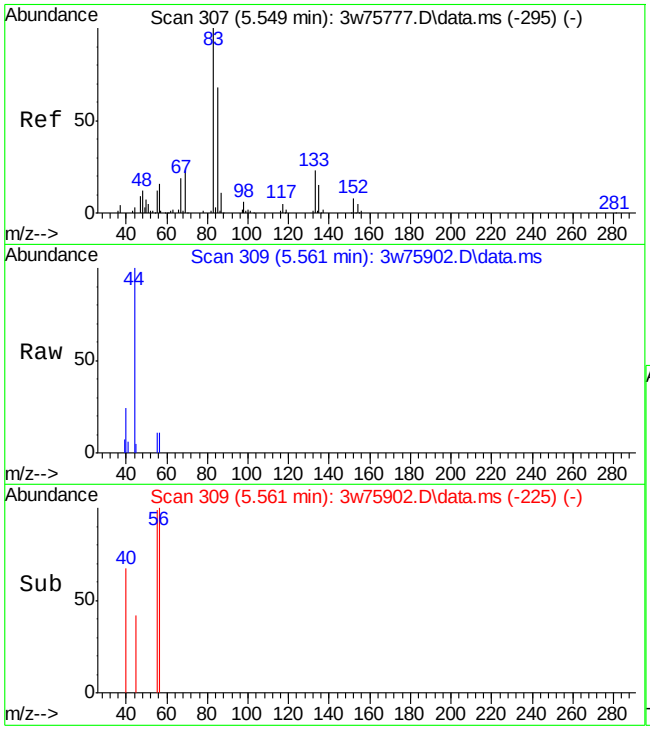


#13
n-BUTANE
Concen: 0.61 PPBV
RT: 4.910 min Scan# 202
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 43 Resp: 12971

Ion	Ratio	Lower	Upper
43	100		
58	8.5	0.0	31.2
44	5.9	0.0	24.6

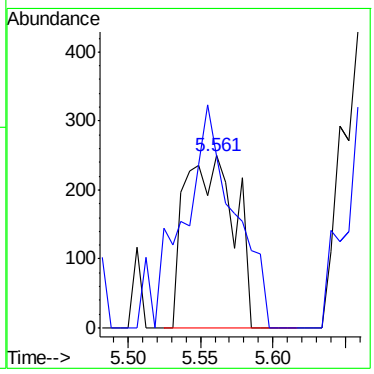


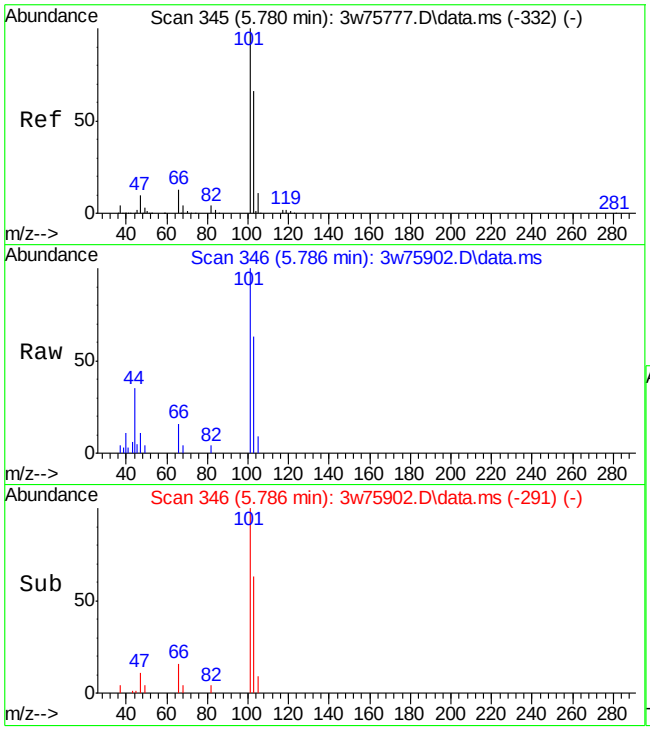


#18
ACROLEIN
Concen: 0.12 PPBV m
RT: 5.561 min Scan# 309
Delta R.T. 0.012 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 56 Resp: 601

Ion	Ratio	Lower	Upper
56	100		
55	131.8	55.0	82.6#

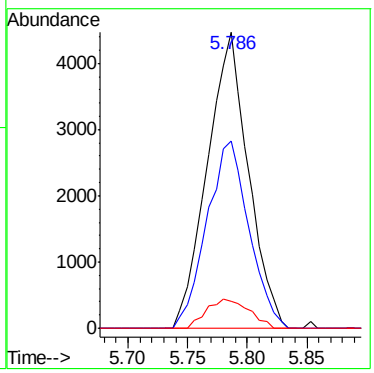


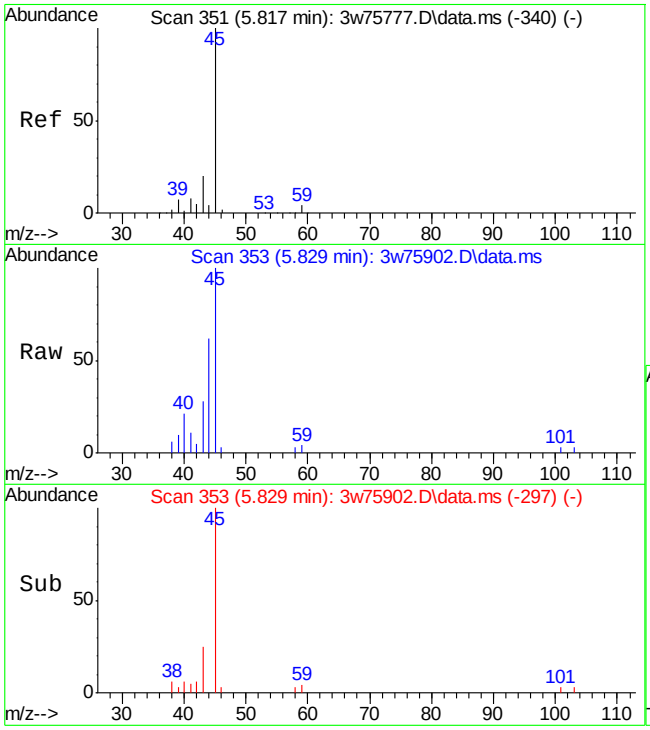


#21
TRICHLOROFLUOROMETHANE
Concen: 0.24 PPBV
RT: 5.786 min Scan# 346
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion:101 Resp: 10717

Ion	Ratio	Lower	Upper
101	100		
103	65.0	44.8	84.8
105	10.2	0.0	30.5

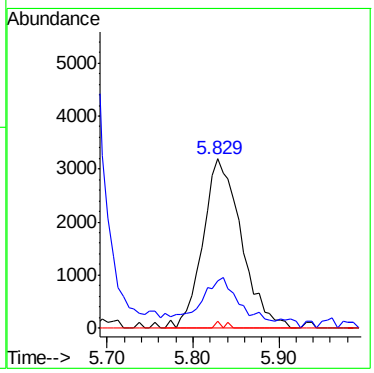


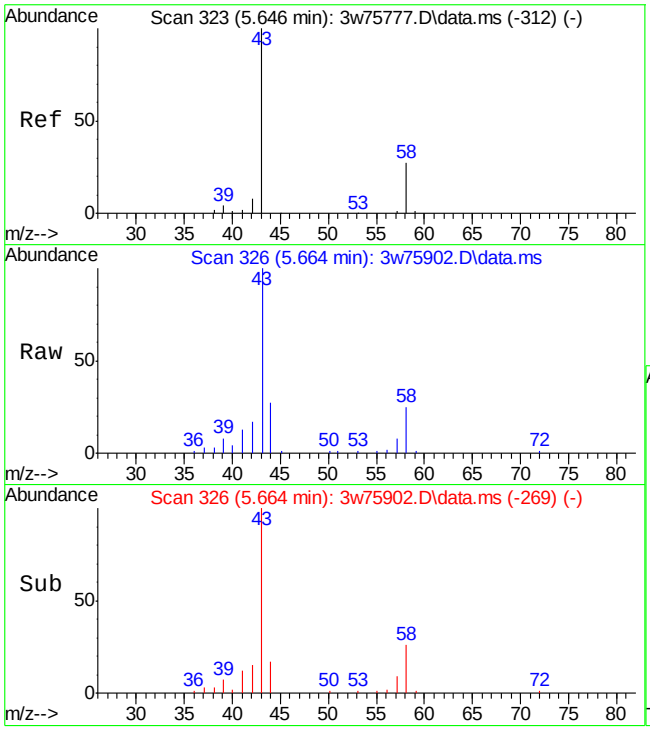


#22
ISOPROPYL ALCOHOL
Concen: 0.32 PPBV
RT: 5.829 min Scan# 353
Delta R.T. 0.012 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 45 Resp: 9906

Ion	Ratio	Lower	Upper
45	100		
43	27.6	0.7	40.7
59	4.1	0.0	23.6

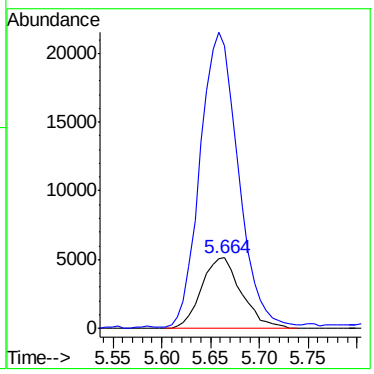


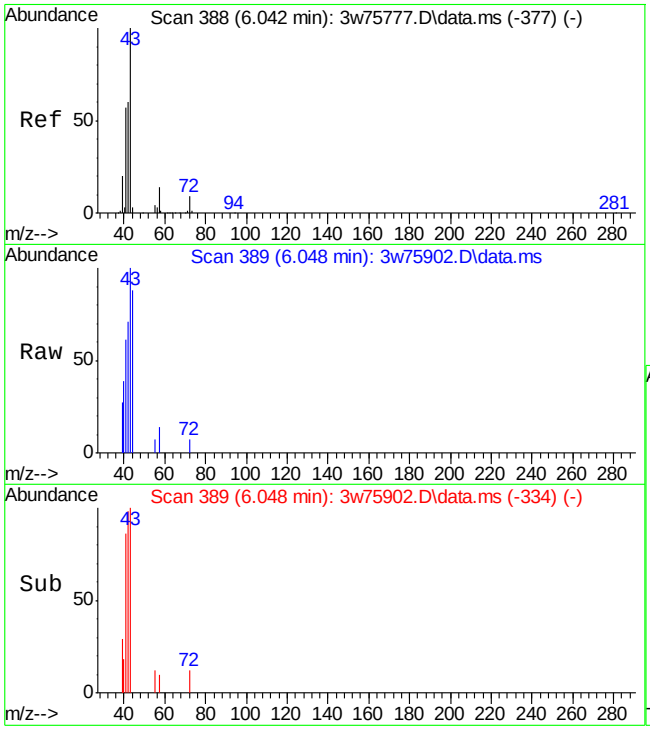


#23
ACETONE
Concen: 1.94 PPBV
RT: 5.664 min Scan# 326
Delta R.T. 0.018 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 58 Resp: 14538

Ion	Ratio	Lower	Upper
58	100		
43	411.0	362.9	402.9#

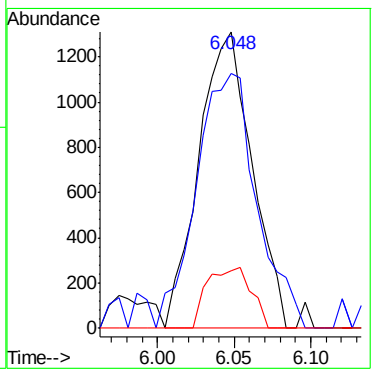


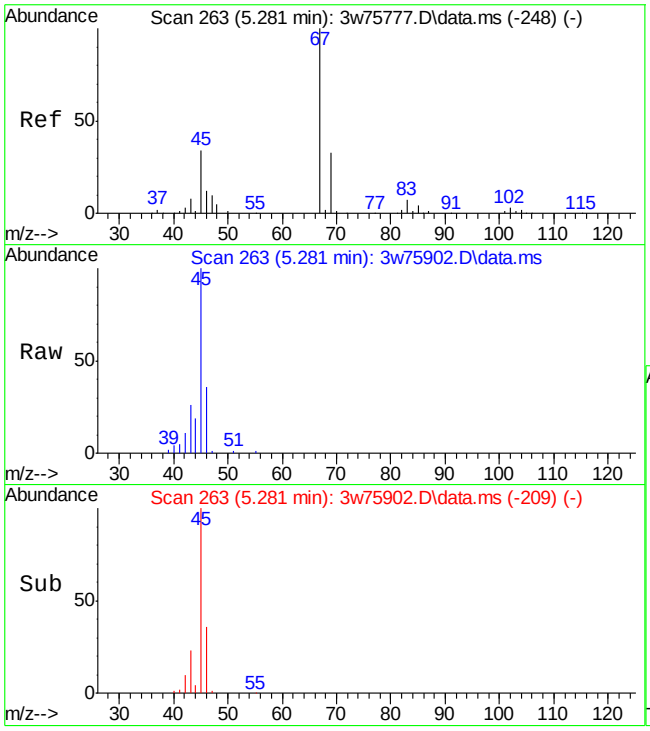


#24
PENTANE
Concen: 0.19 PPBV
RT: 6.048 min Scan# 389
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 42 Resp: 3165

Ion	Ratio	Lower	Upper
42	100		
41	97.7	73.3	113.3
57	17.0	4.4	44.4

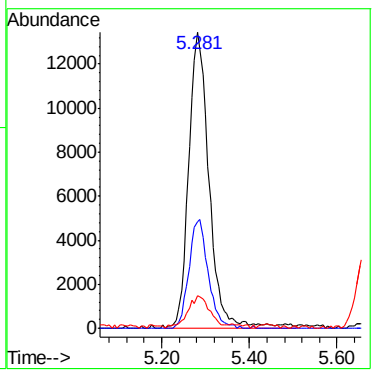


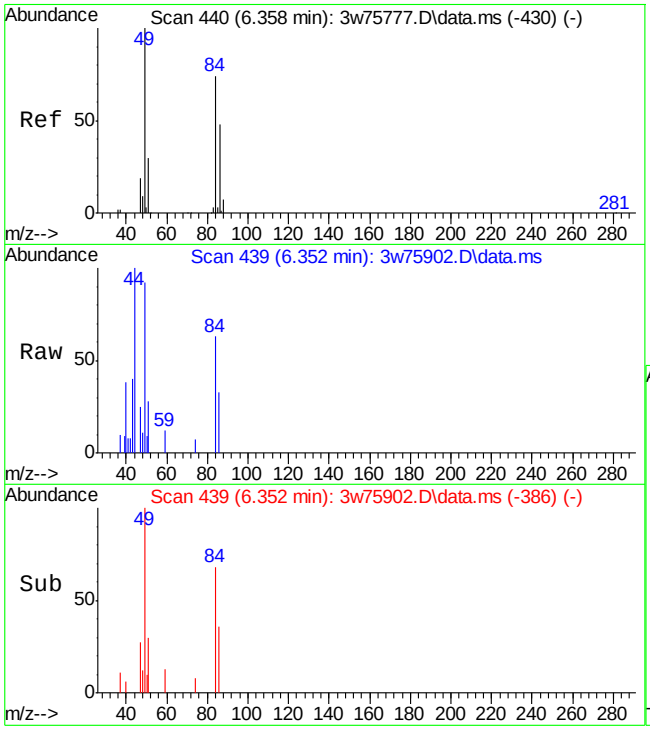


#28
ETHANOL
Concen: 7.10 PPBV
RT: 5.281 min Scan# 263
Delta R.T. 0.000 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 45 Resp: 43664

Ion	Ratio	Lower	Upper
45	100		
46	34.7	14.9	54.9
42	13.0	0.0	30.1

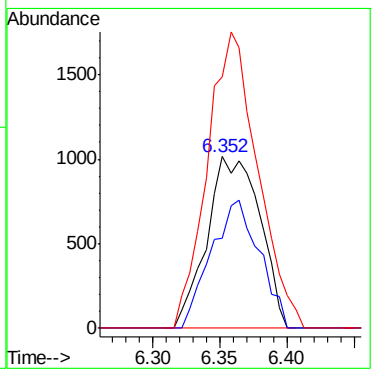


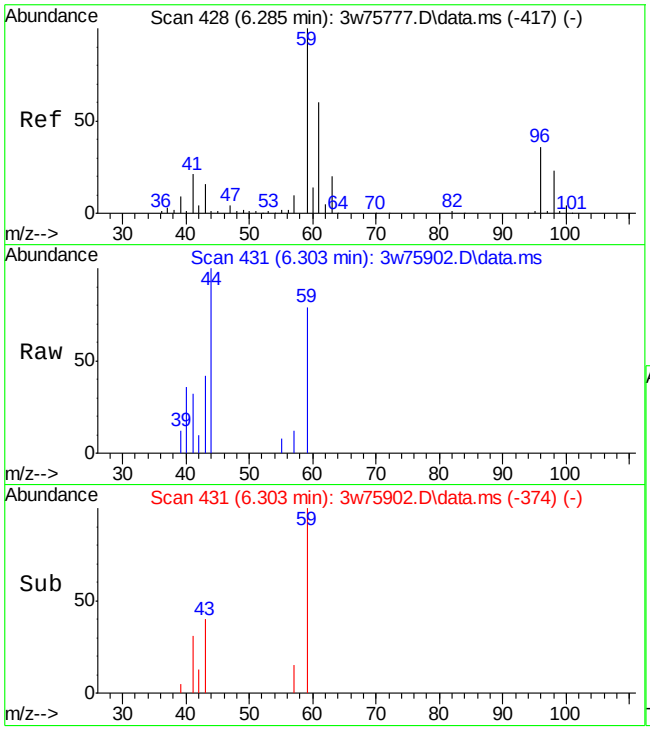


#31
METHYLENE CHLORIDE
Concen: 0.19 PPBV
RT: 6.352 min Scan# 439
Delta R.T. -0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 84 Resp: 2793

Ion	Ratio	Lower	Upper
84	100		
86	67.6	45.6	85.6
49	164.2	0.0	337.9

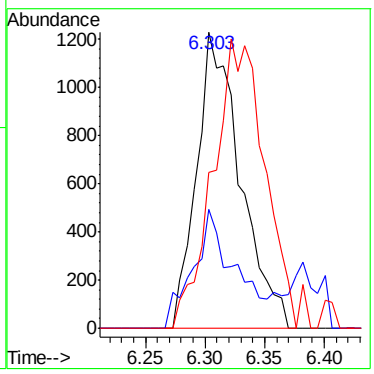


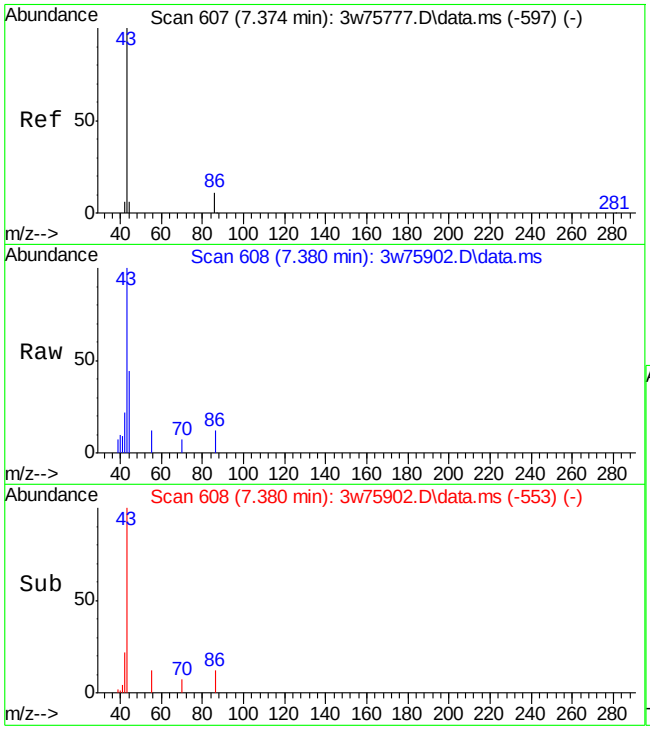


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 6.303 min Scan# 431
Delta R.T. 0.018 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 59 Resp: 3142

Ion	Ratio	Lower	Upper
59	100		
41	42.0	2.3	42.3
43	117.1	0.0	35.9#

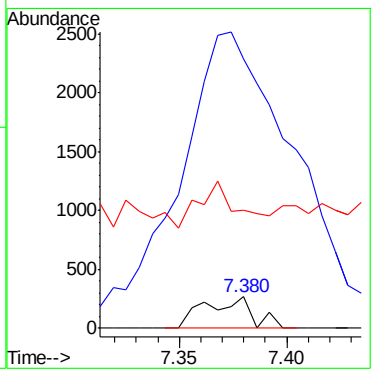


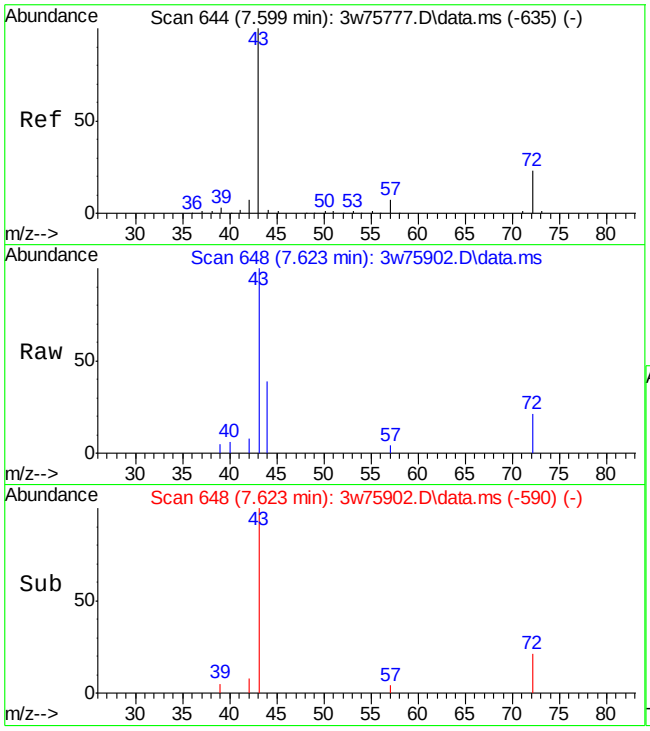


#39
VINYL ACETATE
Concen: 0.16 PPBV
RT: 7.380 min Scan# 608
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 86 Resp: 411

Ion	Ratio	Lower	Upper
86	100		
43	2354.5	1267.8	1307.8#
44	242.3	43.5	83.5#

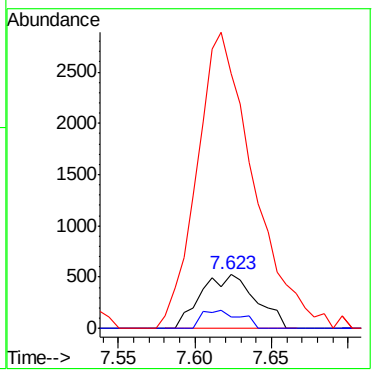


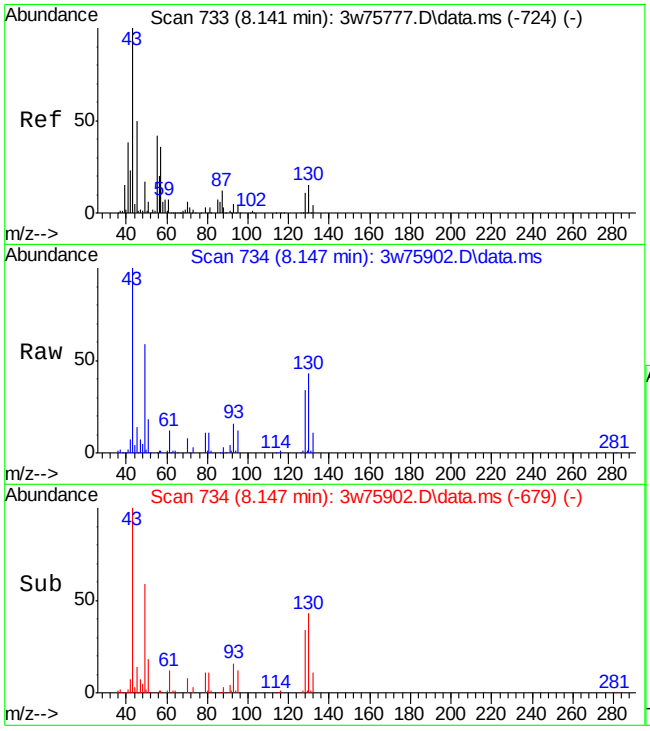


#41
METHYL ETHYL KETONE
Concen: 0.18 PPBV
RT: 7.623 min Scan# 648
Delta R.T. 0.024 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 72 Resp: 1309

Ion	Ratio	Lower	Upper
72	100		
57	20.0	11.7	51.7
43	467.0	409.1	449.1#

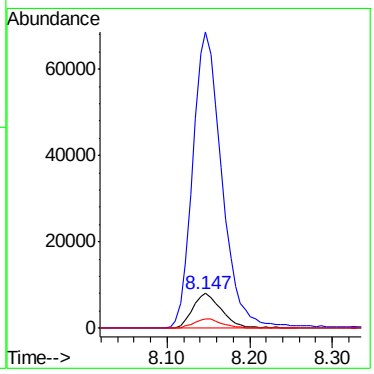


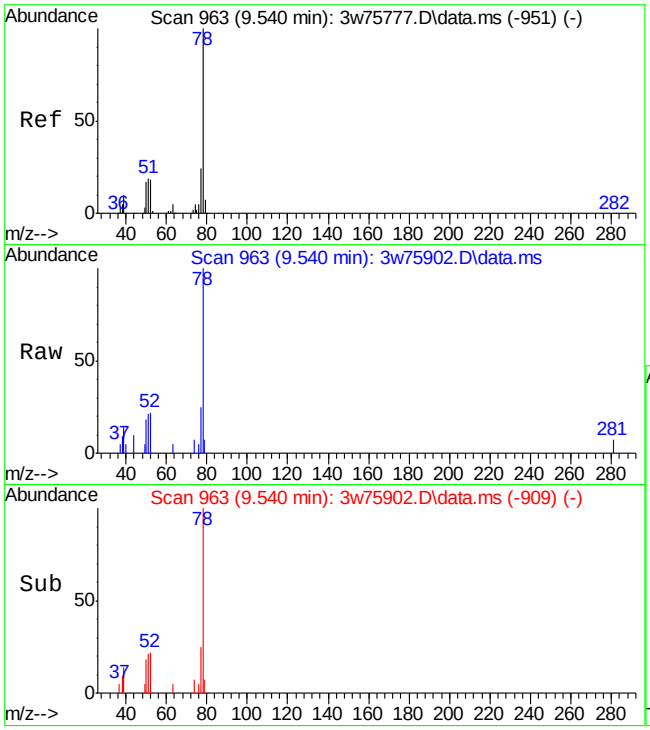


#44
ETHYL ACETATE
Concen: 3.97 PPBV
RT: 8.147 min Scan# 734
Delta R.T. 0.006 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 61 Resp: 19336

Ion	Ratio	Lower	Upper
61	100		
43	878.3	1591.1	1631.1#
88	24.4	23.8	63.8

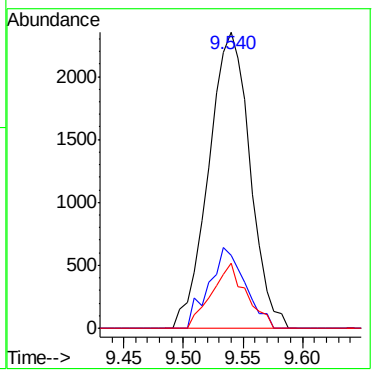


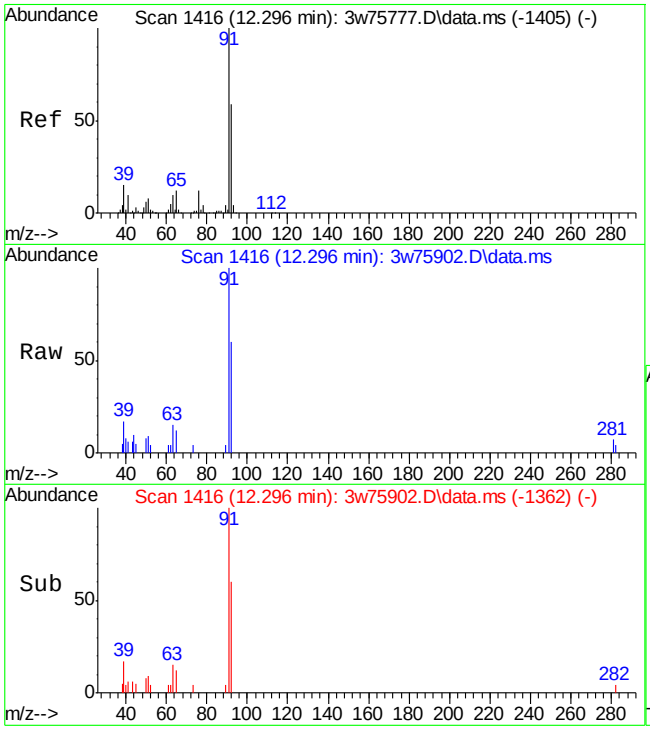


#52
BENZENE
Concen: 0.12 PPBV
RT: 9.540 min Scan# 963
Delta R.T. -0.000 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 78 Resp: 5685

Ion	Ratio	Lower	Upper
78	100		
77	24.0	3.4	43.4
52	18.4	0.0	37.0

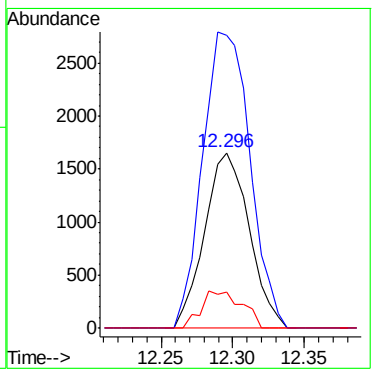




#66
TOLUENE
Concen: 0.11 PPBV
RT: 12.296 min Scan# 1416
Delta R.T. -0.000 min
Lab File: 3w75902.D
Acq: 28 Apr 2022 2:32 pm

Tgt Ion: 92 Resp: 3590

Ion	Ratio	Lower	Upper
92	100		
91	178.5	150.3	190.3
65	19.3	2.5	42.5



Manual Integration Approval Summary

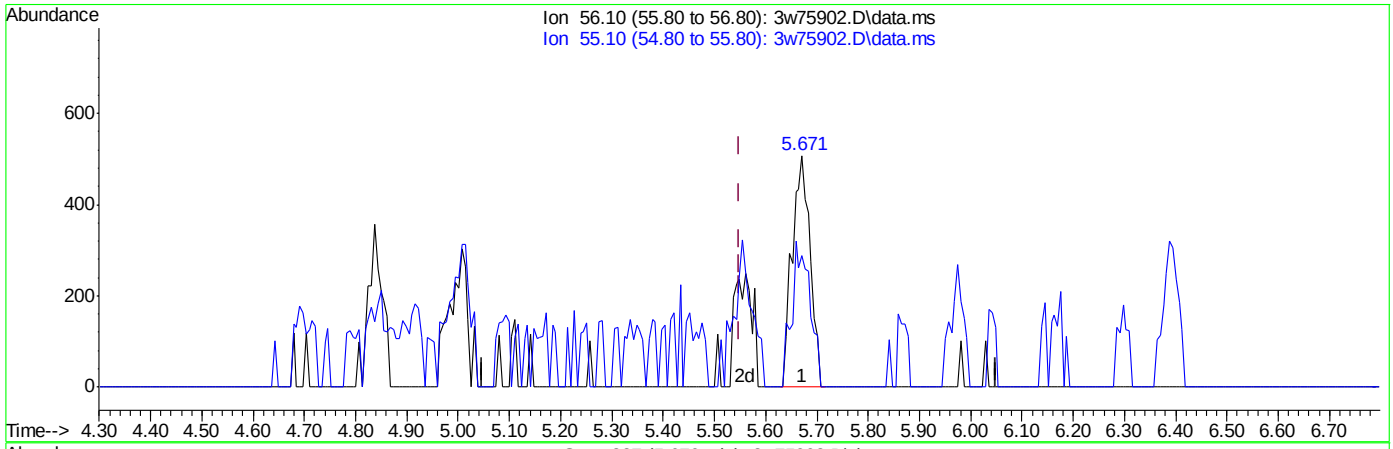
Sample Number: JD42255-26DUP
Lab FileID: 3W75902.D
Injection Time: 04/28/22 14:32
Method: TO-15
Analyst approved: 04/29/22 23:24 Kanya Veerawat
Supervisor approved: 04/29/22 23:42 Kanya Veerawat

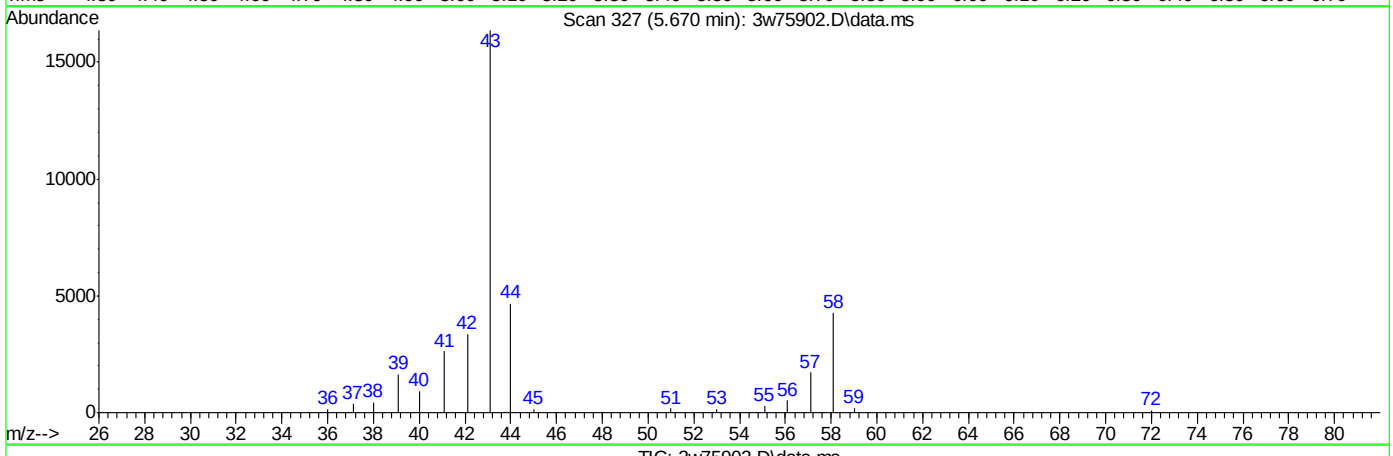
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acrolein	107-02-8		5.56	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75902.D
Acq On : 28 Apr 2022 2:32 pm
Operator : thomash
Sample : jd42255-26dup
Misc : MS57899,V3W2986,400,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 29 16:49:53 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75902.D\data.ms

(18) ACROLEIN

5.670min (+0.121) 0.25PPBV

response 1232

Ion	Exp%	Act%
56.10	100	100
55.10	68.80	64.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58371.D
Acq On : 19 Mar 2022 5:00 pm
Operator : thomash
Sample : scc(m004),cp11623
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 09:10:03 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

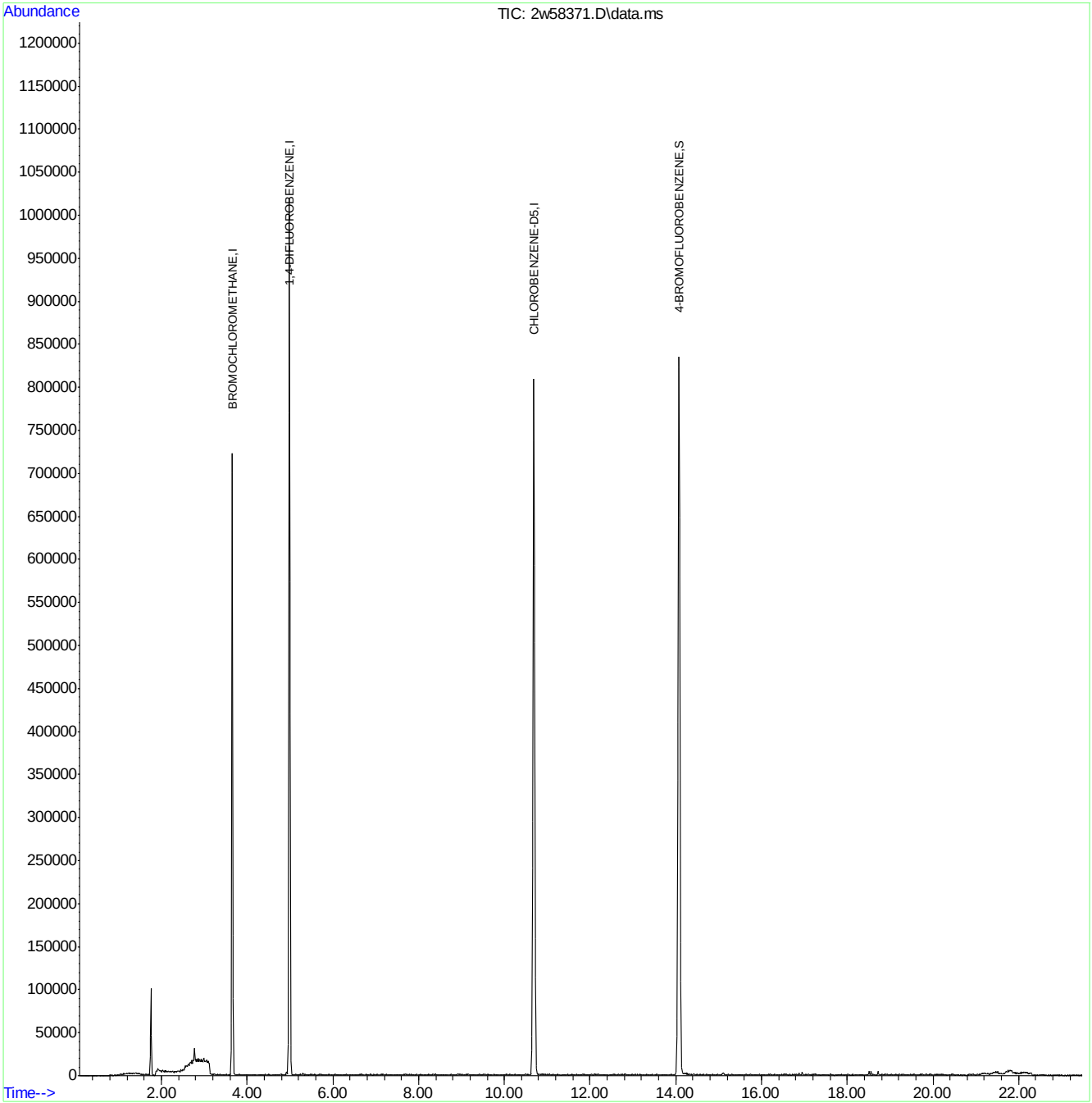
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.653	128	168872	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	885828	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.691	117	804591	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.077	95	480602	9.50	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 : 2w58371.D
Acq On : 19 Mar 2022 5:00 pm
Operator : thomash
Sample : scc(m004),cp11623
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 21 09:10:03 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58401.D
Acq On : 21 Mar 2022 4:20 pm
Operator : thomash
Sample : scc(a1472),cp11631
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 21 17:14:21 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

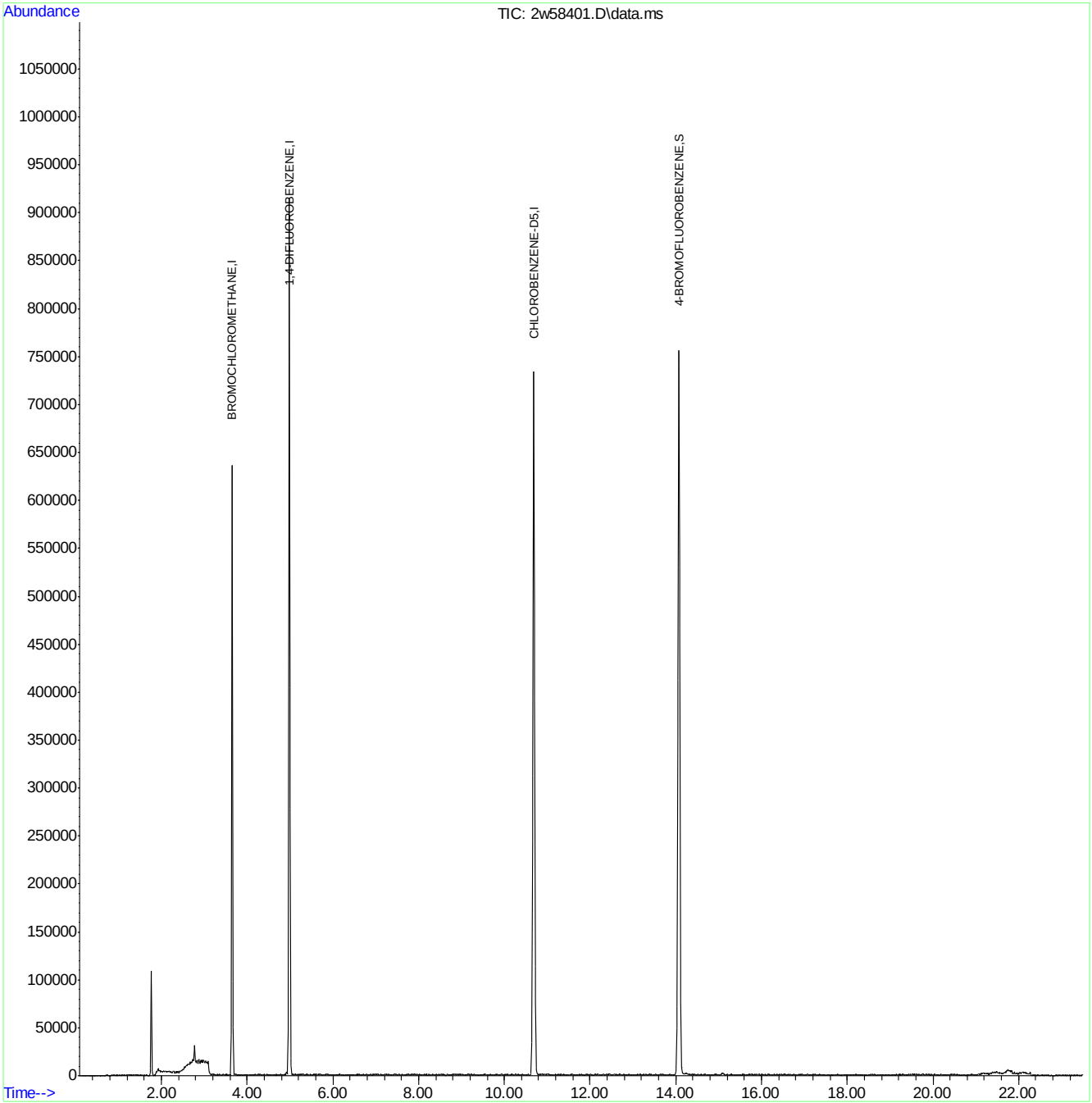
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	144716	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	761704	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	708726	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	431635	9.68	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 : 2w58401.D
Acq On : 21 Mar 2022 4:20 pm
Operator : thomash
Sample : scc(a1472),cp11631
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 21 17:14:21 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58403.D
Acq On : 21 Mar 2022 5:44 pm
Operator : thomash
Sample : scc(a454),cp11632
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 21 18:10:44 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

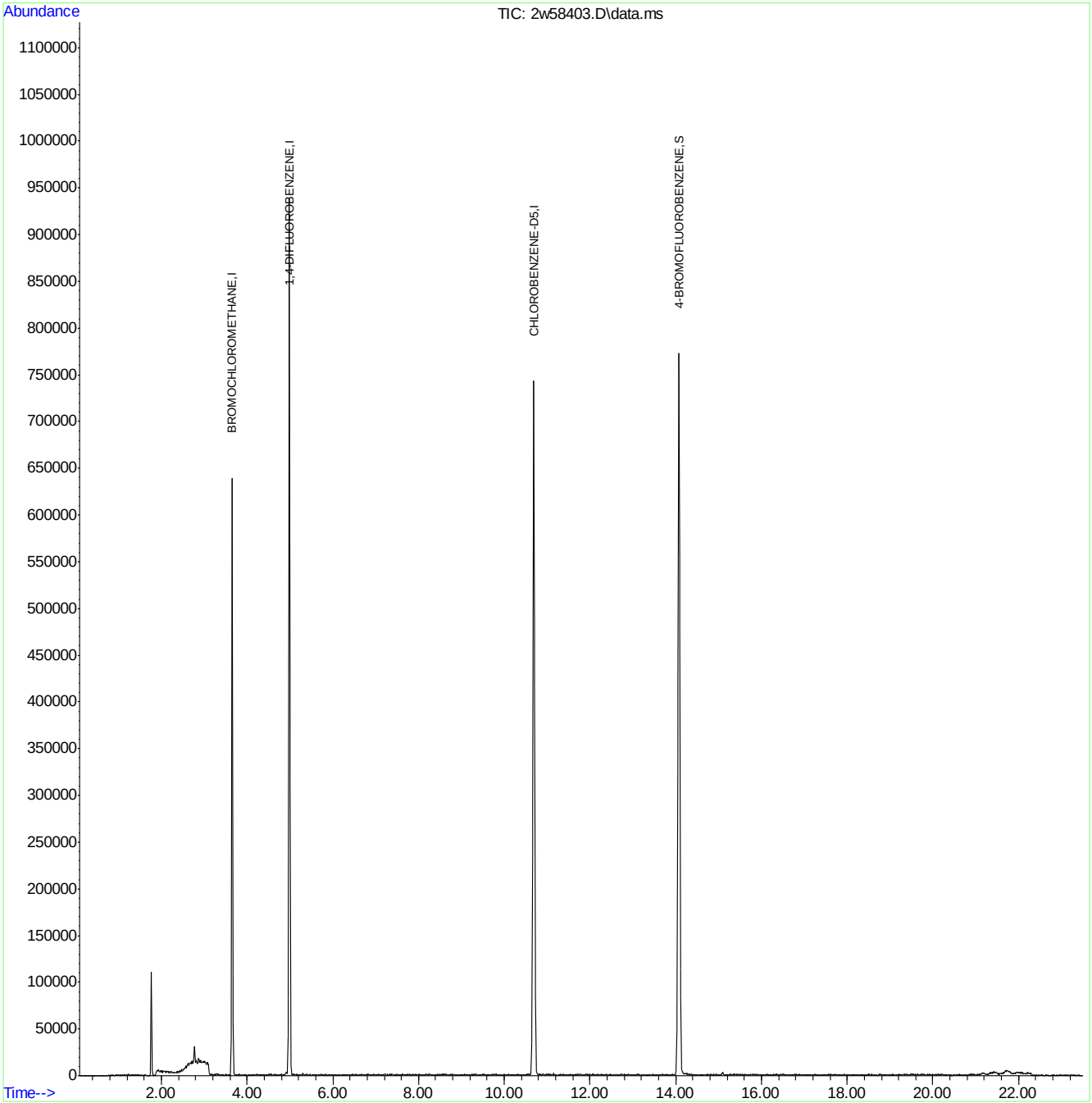
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	146060	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.988	114	779941	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	726174	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	441008	9.65	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 : 2w58403.D
Acq On : 21 Mar 2022 5:44 pm
Operator : thomash
Sample : scc(a454),cp11632
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 21 18:10:44 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58428.D
Acq On : 22 Mar 2022 12:40 pm
Operator : thomash
Sample : scc(a1263),cp11629
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 14:21:52 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

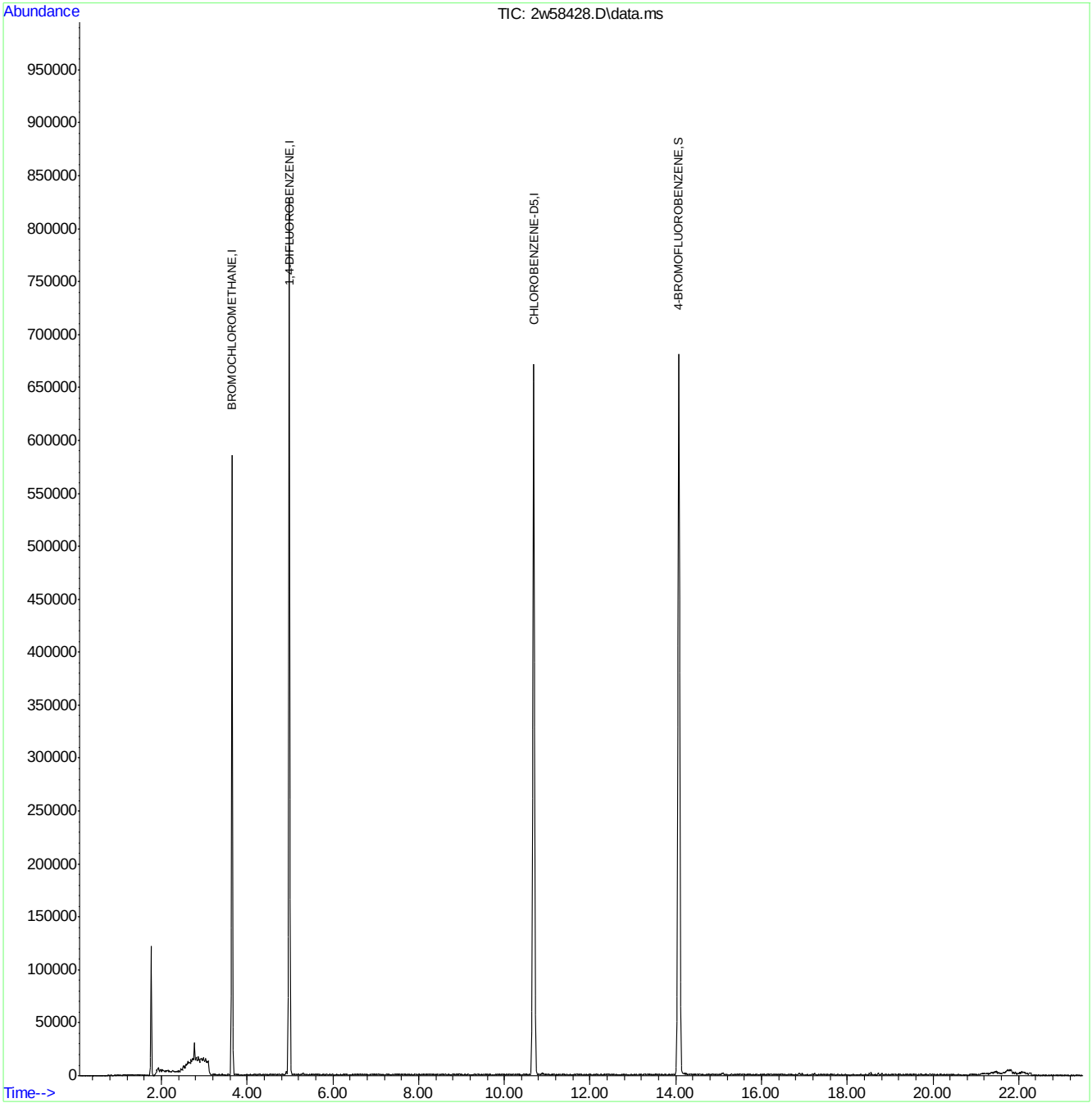
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.647	128	127241	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.981	114	673460	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.685	117	632190	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.071	95	388080	9.76	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 : 2w58428.D
Acq On : 22 Mar 2022 12:40 pm
Operator : thomash
Sample : scc(a1263),cp11629
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 14:21:52 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



M2W2599.M Tue Mar 22 14:25:32 2022 GCMS2W Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58478.D
Acq On : 24 Mar 2022 1:55 am
Operator : thomash
Sample : scc(a699),cp11627
Misc : MS57180,V2w2603,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 24 07:33:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

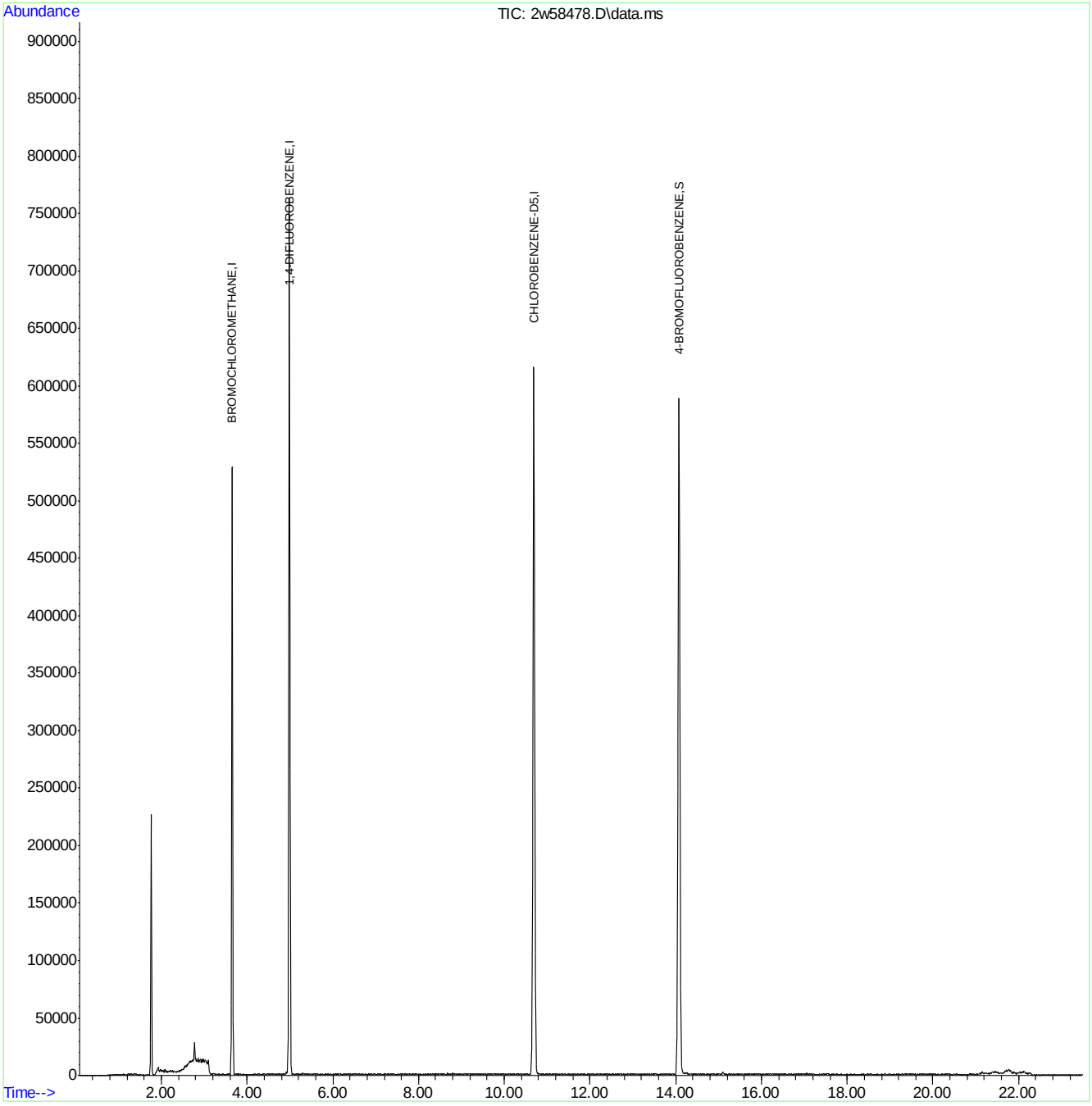
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	111354	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.988	114	609092	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	561530	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	338529	9.58	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 : 2w58478.D
Acq On : 24 Mar 2022 1:55 am
Operator : thomash
Sample : scc(a699),cp11627
Misc : MS57180,V2w2603,100,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 24 07:33:14 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

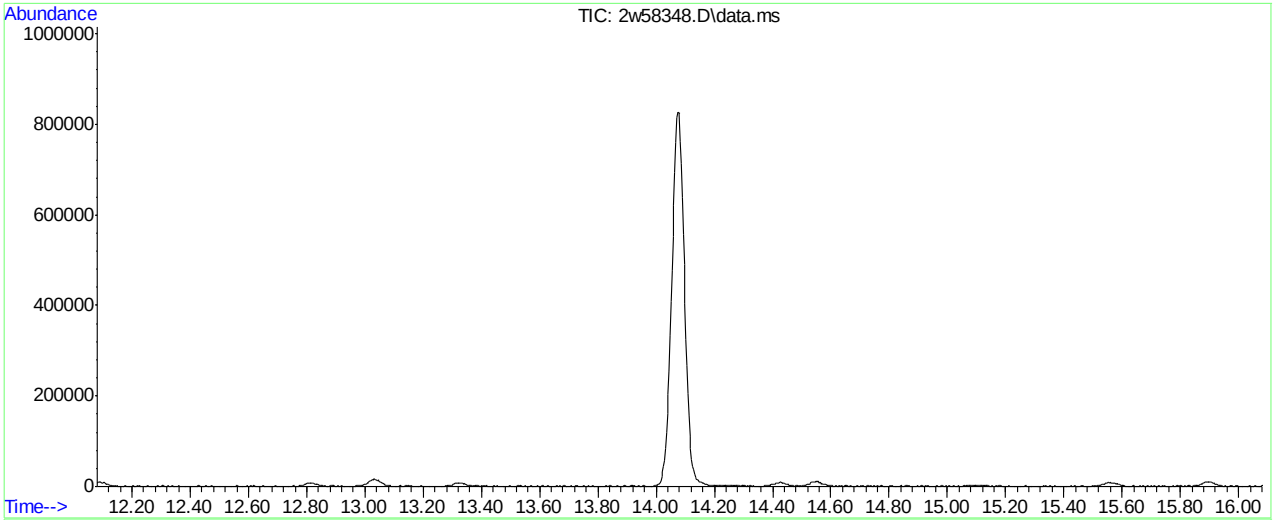


M2W2599.M Thu Mar 24 08:16:48 2022 GCMS2W Page: 2

BFB

Data File : C:\msdchem\1\DATA\2w58348.D Vial: 1
Acq On : 18 Mar 2022 7:02 pm Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57148,V2w2599,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.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 4318

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.6	28061	PASS
75	95	30	66	50.3	75859	PASS
95	95	100	100	100.0	150891	PASS
96	95	5	9	6.7	10173	PASS
173	174	0.00	2	0.3	435	PASS
174	95	50	120	99.9	150784	PASS
175	174	4	9	6.6	9958	PASS
176	174	93	101	95.4	143829	PASS
177	176	5	9	6.7	9635	PASS

2w58348.D M2W2599.M Mon Mar 21 08:31:04 2022 GCMS2W

Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1330	47.95	727	61.00	6938	74.00	27893
37.05	7365	49.00	5968	62.00	7491	75.00	75859
38.05	7460	50.00	28061	63.05	5455	76.00	7026
39.05	2533	51.00	8953	64.00	668	76.90	781
40.10	128	52.05	424	65.00	38	77.90	591
42.95	132	53.40	25	66.95	478	78.90	6800
43.20	61	55.00	505	68.00	15323	79.90	1620
44.00	1425	56.00	2655	69.00	15990	80.90	6841
45.00	1464	57.05	4722	69.95	1258	81.90	1269
46.00	119	58.05	306	72.00	724	82.85	144
47.05	1386	59.95	1716	73.00	6935	85.85	116

Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	6054	103.85	893	115.85	652	127.95	318
87.95	6239	104.75	374	116.85	1169	128.60	62
90.80	636	105.85	854	117.85	558	128.90	117
92.00	4461	106.95	174	118.90	928	129.85	552
92.95	6513	107.90	17	119.80	33	130.80	166
94.00	19048	109.90	72	121.90	50	131.40	37
95.00	150891	110.80	172	122.80	126	133.70	20
96.00	10173	111.75	111	123.70	53	134.90	363
97.00	250	112.80	136	123.90	45	136.80	373
102.50	18	113.00	81	126.85	124	138.80	26
102.80	142	114.75	199	127.70	244	139.15	104

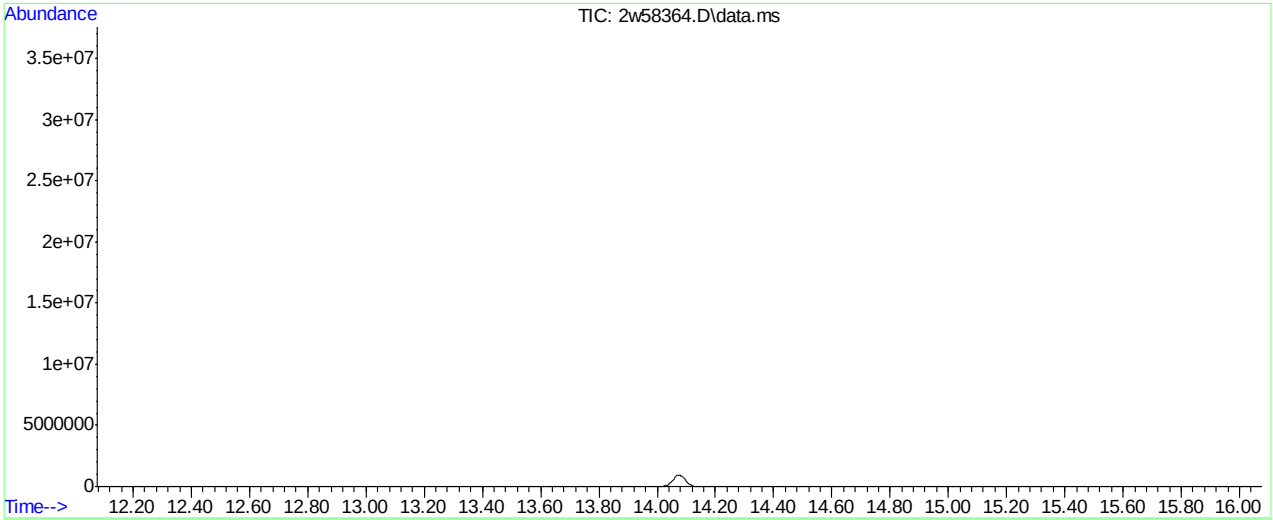
Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

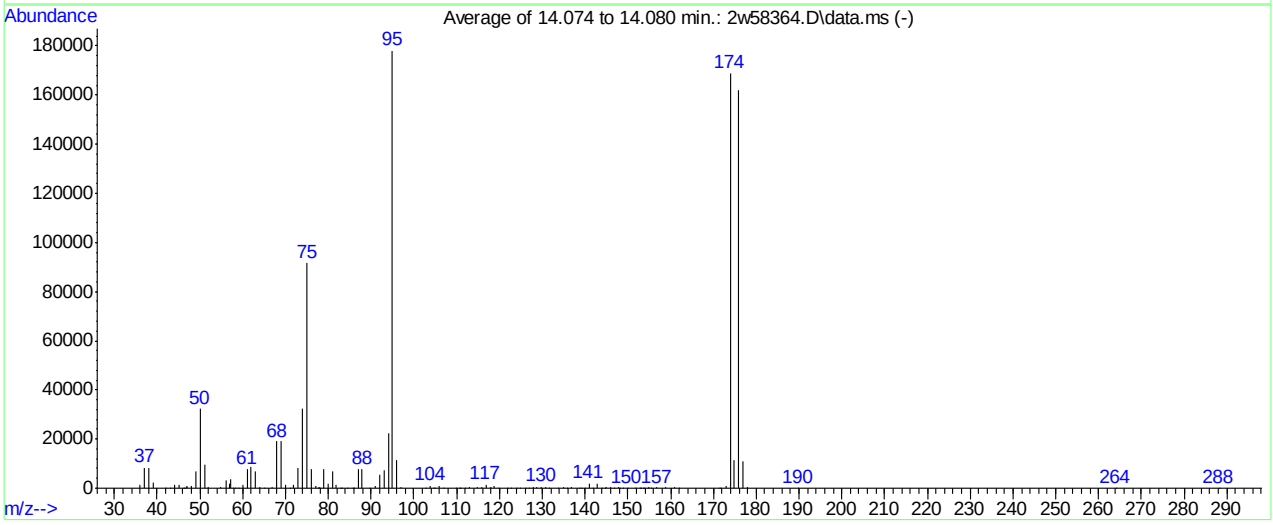
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.90	163	149.90	279	160.70	226		
140.85	1899	151.65	59	172.95	435		
141.65	145	152.75	165	173.90	150784		
142.90	1865	153.90	48	174.90	9958		
143.70	97	154.75	186	175.90	143829		
144.95	127	155.05	232	176.90	9635		
145.70	73	155.75	64	177.90	242		
145.90	150	156.80	102	190.50	40		
146.80	142	157.00	145	285.20	22		
147.80	523	158.50	17				
148.75	83	158.95	121				

BFB

Data File : C:\msdchem\1\DATA\2w58364.D Vial: 1
Acq On : 19 Mar 2022 12:29 pm Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57148,V2w2600,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4350, 4351, 4352; Background Corrected with Scan 4320

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.1	32264	PASS
75	95	30	66	51.4	91507	PASS
95	95	100	100	100.0	178155	PASS
96	95	5	9	6.4	11433	PASS
173	174	0.00	2	0.6	929	PASS
174	95	50	120	94.8	168875	PASS
175	174	4	9	6.7	11292	PASS
176	174	93	101	95.9	162027	PASS
177	176	5	9	6.7	10876	PASS

2w58364.D M2W2599.M Mon Mar 21 09:10:57 2022 GCMS2W

Average of 14.074 to 14.080 min.: 2w58364.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1259	47.05	1110	58.10	95	70.05	1491
37.05	8338	48.00	1076	59.10	17	70.95	76
38.00	8070	49.00	7067	59.95	1573	71.95	1206
39.00	2329	50.00	32264	61.00	7957	73.00	8111
41.95	54	51.05	9439	62.00	8472	74.00	32568
42.90	97	51.95	334	63.00	6878	75.00	91507
44.05	1312	54.90	662	63.95	647	76.05	7821
45.00	1371	56.00	3134	64.90	61	76.95	927
46.05	95	56.90	1948	66.85	399	77.60	146
46.40	74	57.05	3475	68.00	19112	77.90	525
46.90	446	57.80	129	69.00	19208	78.10	182

Average of 14.074 to 14.080 min.: 2w58364.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.90	7556	89.60	20	104.95	187	117.85	703
79.95	1787	90.85	745	105.85	984	118.85	1085
80.90	6982	92.00	5613	106.85	193	119.90	74
81.90	1492	93.00	7498	109.85	159	122.00	72
82.90	123	94.00	22147	110.70	57	122.70	51
83.10	91	95.00	178155	110.95	102	123.85	67
84.30	28	96.00	11433	112.05	45	124.70	71
85.80	204	96.95	593	112.85	271	126.00	31
86.00	48	102.70	39	114.85	262	126.80	22
87.00	7744	103.90	1074	115.85	700	127.85	513
87.95	7987	104.70	49	116.90	1595	128.80	389

Average of 14.074 to 14.080 min.: 2w58364.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.80	701	141.85	222	151.85	75	162.00	18
130.85	327	142.90	1919	152.80	128	171.50	34
131.70	26	143.85	94	153.00	39	171.75	86
133.65	56	144.70	32	153.70	62	172.85	929
134.85	339	145.00	259	153.95	75	173.90	168875
135.85	98	145.85	259	154.60	42	174.90	11292
136.85	418	146.80	182	154.90	305	175.90	162027
138.65	82	147.75	304	155.50	59	176.95	10876
139.15	67	148.00	179	156.80	356	177.95	368
139.95	243	148.90	60	158.90	255	189.80	23
140.90	2018	149.90	195	160.90	267	264.10	18

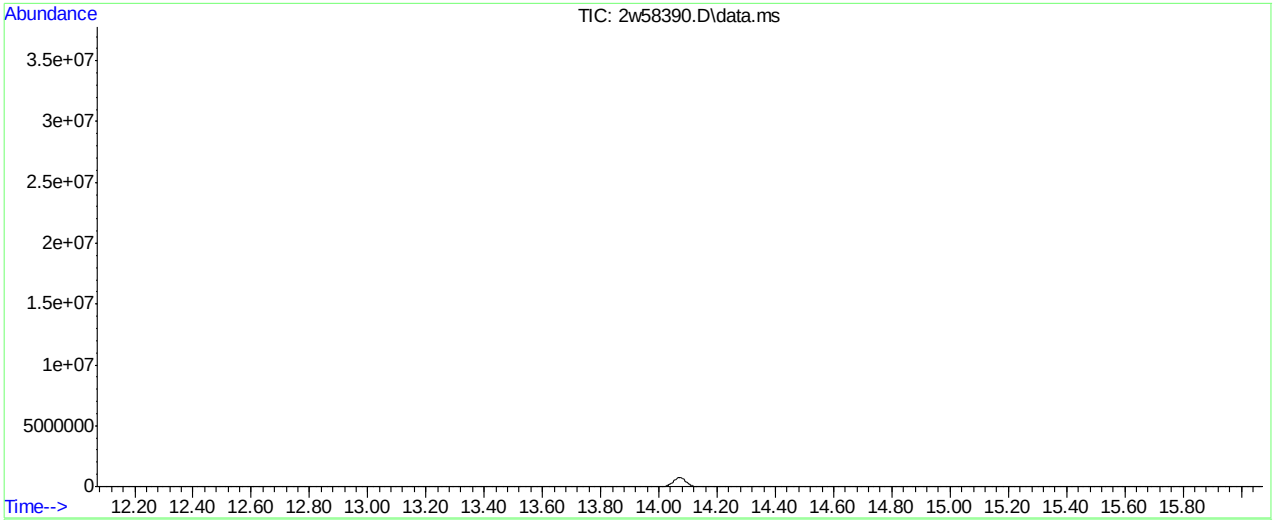
Average of 14.074 to 14.080 min.: 2w58364.D\data.ms
bfb
Modified:subtracted

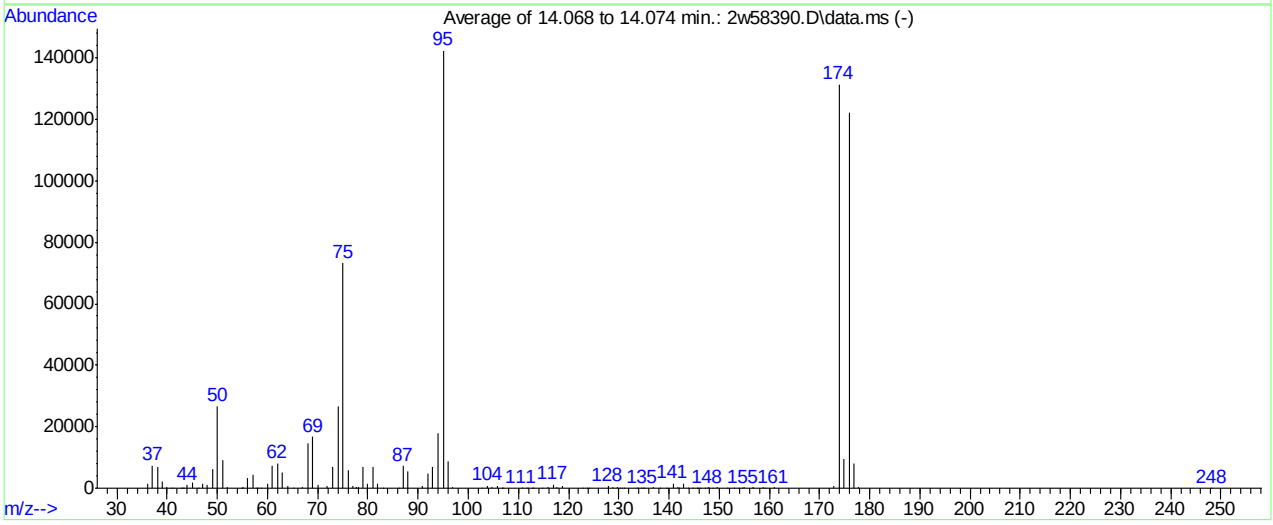
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
288.20	19						

BFB

Data File : C:\msdchem\1\DATA\2w58390.D Vial: 1
Acq On : 21 Mar 2022 6:46 am Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57296,V2w2601,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4348, 4349, 4350; Background Corrected with Scan 4322

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.8	26731	PASS
75	95	30	66	51.5	73299	PASS
95	95	100	100	100.0	142421	PASS
96	95	5	9	6.2	8865	PASS
173	174	0.00	2	0.4	570	PASS
174	95	50	120	92.3	131443	PASS
175	174	4	9	7.2	9411	PASS
176	174	93	101	93.0	122283	PASS
177	176	5	9	6.7	8165	PASS

2w58390.D M2W2599.M Mon Mar 21 15:19:57 2022 GCMS2W

Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1537	44.95	1677	57.05	4274	68.00	14735
37.05	7327	46.05	136	57.80	75	69.00	16632
38.05	6981	47.00	1372	58.00	160	70.00	1273
39.05	2221	47.90	980	58.60	122	71.95	787
39.95	462	49.00	6325	59.95	1569	72.95	6827
40.90	25	50.00	26731	60.95	7290	74.00	26597
41.25	49	51.00	9041	62.00	8036	75.00	73299
42.70	28	52.00	346	63.00	5137	76.00	6022
43.00	151	54.80	176	64.00	562	76.95	847
43.20	63	55.10	202	65.10	67	77.60	128
44.00	1027	56.00	3296	66.90	282	77.75	395

Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.10	268	92.95	6852	110.70	144	123.70	55
78.90	6818	94.00	17842	111.60	34	124.10	79
79.85	1583	95.00	142421	111.90	58	127.85	560
80.90	6867	96.00	8865	112.80	99	128.90	353
81.90	1384	96.85	201	112.95	67	129.80	480
83.00	183	102.75	105	114.85	182	130.10	174
86.10	148	103.90	835	115.85	550	130.70	106
86.95	7242	104.80	268	116.90	1118	131.00	72
87.95	5414	105.85	639	117.75	516	133.60	21
90.85	752	106.70	50	118.85	814	133.80	31
92.00	4677	106.95	126	122.70	26	134.30	19

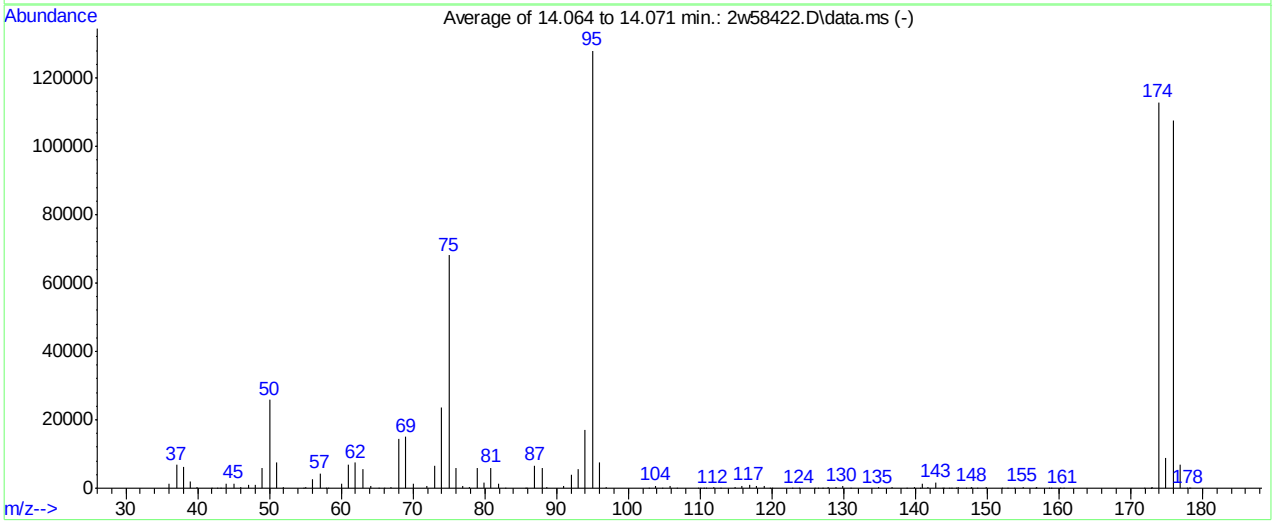
Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.80	191	145.65	122	154.60	111	176.90	8165
135.00	127	145.90	135	154.90	345	177.85	277
136.90	322	146.20	17	156.70	37	248.20	36
138.10	32	147.10	47	156.85	260		
139.55	146	147.80	357	158.75	244		
140.85	1615	148.10	87	159.10	34		
141.70	303	148.60	74	160.90	236		
142.00	118	149.70	200	172.85	570		
142.95	1499	151.60	19	173.90	131443		
143.85	137	152.90	66	174.90	9411		
144.75	166	153.95	71	175.90	122283		

BFB

Data File : C:\msdchem\1\DATA\2w58422.D Vial: 1
Acq On : 22 Mar 2022 8:08 am Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57180,V2w2602,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4347, 4348, 4349; Background Corrected with Scan 4320

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.2	25819	PASS
75	95	30	66	53.2	68112	PASS
95	95	100	100	100.0	128048	PASS
96	95	5	9	5.9	7573	PASS
173	174	0.00	2	0.4	447	PASS
174	95	50	120	88.2	112904	PASS
175	174	4	9	7.7	8750	PASS
176	174	93	101	95.4	107717	PASS
177	176	5	9	6.4	6901	PASS

2w58422.D M2W2599.M Tue Mar 22 14:16:27 2022 GCMS2W

Average of 14.064 to 14.071 min.: 2w58422.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1174	47.10	1056	58.10	72	70.00	1184
37.05	6852	47.95	884	60.00	1256	71.95	698
38.05	6343	49.00	5843	61.00	6900	73.00	6691
39.00	2141	50.00	25819	62.00	7523	74.00	23739
39.95	214	51.05	7393	63.00	5539	75.00	68112
41.90	19	52.00	241	64.05	533	76.00	5941
42.70	23	54.80	145	65.20	34	76.90	797
43.20	22	55.05	261	66.00	30	77.90	399
43.95	1286	56.00	2480	66.95	402	78.90	5934
45.00	1347	57.05	4331	68.00	14509	79.85	1558
46.05	234	57.85	132	69.00	14996	80.90	6054

Average of 14.064 to 14.071 min.: 2w58422.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.90	1291	95.00	128048	110.75	105	123.85	171
82.90	124	96.00	7573	111.85	204	126.00	23
85.65	82	96.90	204	112.85	157	126.50	24
85.90	79	102.80	153	114.95	191	127.05	62
86.95	6683	103.85	673	115.85	520	127.85	403
87.95	5987	104.80	159	116.85	873	128.90	239
88.65	228	105.80	515	117.85	553	129.80	544
90.90	737	106.80	68	118.90	823	130.95	102
92.00	3912	109.70	36	119.70	26	134.85	241
93.00	5541	110.00	49	120.10	22	136.80	217
94.00	17152	110.50	49	122.90	19	138.80	60

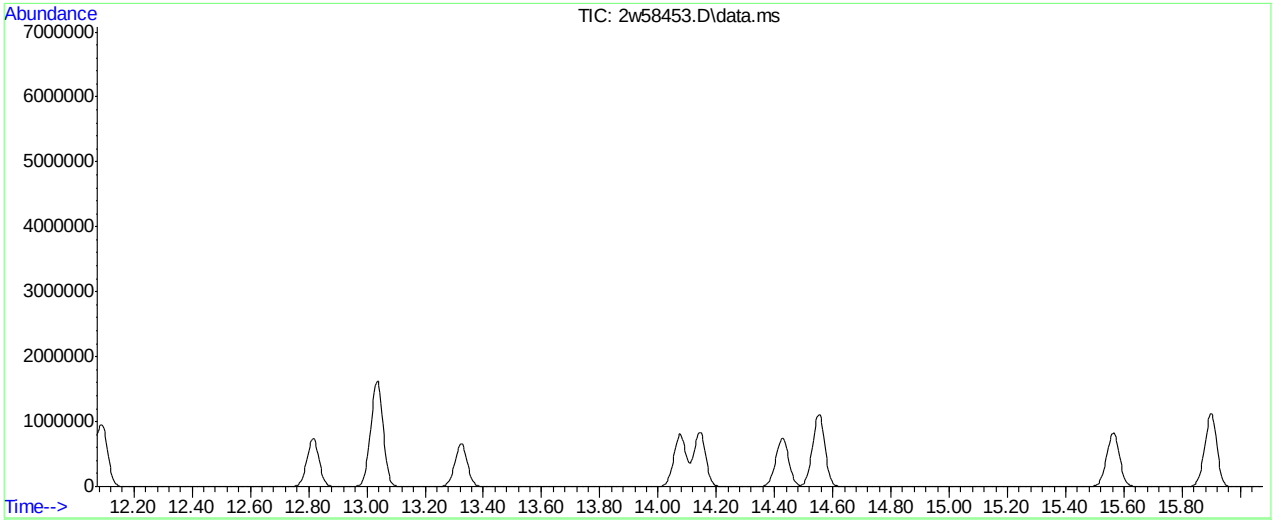
Average of 14.064 to 14.071 min.: 2w58422.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.85	203	147.00	47	158.55	90	177.80	138
140.60	175	147.70	78	158.85	83	178.10	24
140.90	1197	147.90	368	160.10	27	178.30	19
141.75	184	148.65	89	160.65	101		
142.90	1674	149.85	240	171.95	86		
143.70	58	152.10	42	172.80	88		
143.95	105	152.85	61	173.00	447		
144.75	160	153.70	39	173.90	112904		
145.10	69	154.95	399	174.90	8750		
145.70	134	156.70	97	175.90	107717		
145.90	201	156.95	225	176.90	6901		

BFB

Data File : C:\msdchem\1\DATA\2w58453.D Vial: 2
Acq On : 23 Mar 2022 7:48 am Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57180,V2w2603,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4349, 4350, 4351; Background Corrected with Scan 4320

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.8	31008	PASS
75	95	30	66	52.4	82067	PASS
95	95	100	100	100.0	156757	PASS
96	95	5	9	7.1	11074	PASS
173	174	0.00	2	0.5	651	PASS
174	95	50	120	84.4	132357	PASS
175	174	4	9	6.6	8781	PASS
176	174	93	101	95.2	125963	PASS
177	176	5	9	6.2	7853	PASS

2w58453.D M2W2599.M Wed Mar 23 08:26:33 2022 GCMS2W

Average of 14.071 to 14.077 min.: 2w58453.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1212	46.05	232	58.05	315	68.00	16631
37.00	8336	47.00	2056	58.90	17	69.00	17117
38.05	7623	47.85	1065	59.95	1230	70.00	1523
39.00	2405	49.00	6670	61.00	7867	71.00	135
39.90	334	50.00	31008	62.00	7672	72.00	1084
40.95	271	51.00	9449	63.00	6402	73.00	7858
42.30	27	51.95	448	64.10	528	74.00	26701
43.05	373	53.80	29	64.80	67	75.00	82067
43.85	747	54.95	537	65.90	61	76.00	6949
44.10	428	55.95	2982	66.80	160	76.80	585
45.05	1703	57.00	5610	67.10	270	77.00	352

Average of 14.071 to 14.077 min.: 2w58453.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.85	994	90.80	654	104.70	153	115.75	518
78.90	6433	91.95	4829	104.90	51	116.85	733
79.95	1527	93.00	7642	105.90	918	117.90	591
80.90	6752	94.00	20477	106.80	168	118.85	792
81.85	1272	95.00	156757	109.60	20	123.75	107
82.85	30	96.00	11074	109.90	113	127.70	152
84.85	54	96.90	100	110.45	68	127.85	328
85.10	149	97.05	294	110.85	148	128.70	119
85.80	205	99.05	53	112.00	223	128.90	250
86.95	7446	102.90	46	112.85	129	129.85	502
87.95	7217	103.90	879	114.70	7	130.70	161

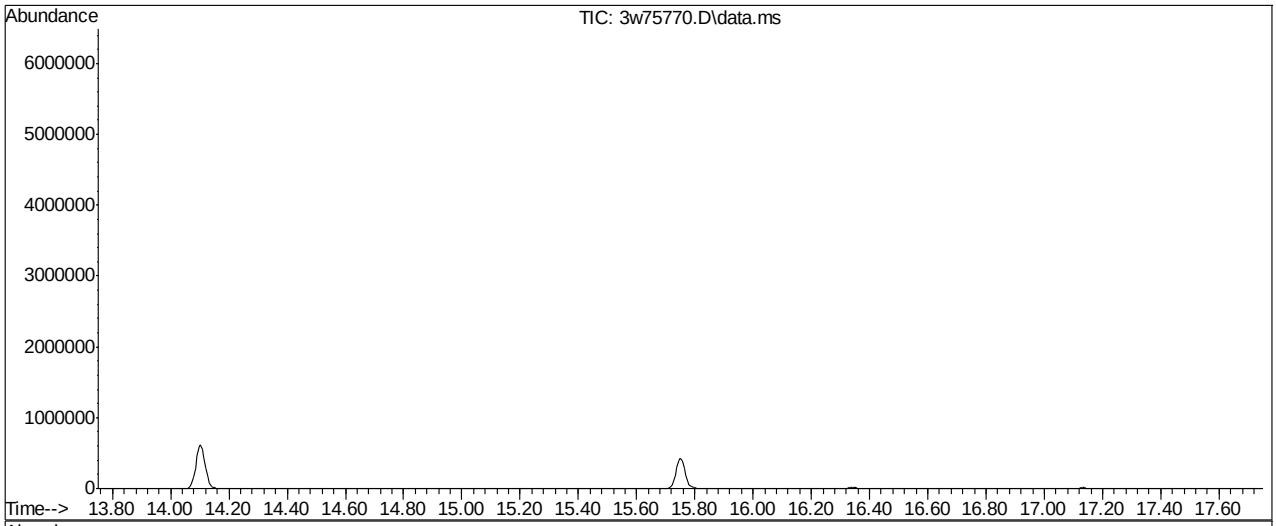
Average of 14.071 to 14.077 min.: 2w58453.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.00	44	144.85	157	154.80	220	175.90	125963
133.90	57	145.70	82	155.00	242	176.90	7853
134.75	280	145.90	167	155.80	19	177.90	235
136.80	180	146.80	154	156.60	32	199.00	52
137.00	157	147.00	52	156.85	223	214.30	42
138.75	89	147.60	50	158.75	136		
140.10	31	147.95	392	160.85	151		
140.80	1943	148.90	155	171.80	112		
141.90	217	149.95	91	172.90	651		
142.90	2074	152.80	159	173.90	132357		
144.00	173	153.75	62	174.90	8781		

BFB

Data File : C:\msdchem\1\data\3w75770.D Vial: 5
Acq On : 23 Apr 2022 12:24 am Operator: thomash
Sample : bfb Inst : GCMS3W
Misc : MS57846,V3W2981,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 1983, 1984, 1985; Background Corrected with Scan 1973

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	15236	PASS
75	95	30	66	50.5	39237	PASS
95	95	100	100	100.0	77733	PASS
96	95	5	9	6.6	5108	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	94.5	73443	PASS
175	174	4	9	7.7	5665	PASS
176	174	93	101	98.7	72512	PASS
177	176	5	9	6.5	4712	PASS

3w75770.D M3W2981.M Tue Apr 26 18:30:47 2022

Average of 15.745 to 15.757 min.: 3w75770.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	853	51.10	4731	67.05	160	78.90	2619
37.10	4198	52.05	195	68.00	7743	80.00	796
38.10	3839	55.05	295	69.05	7750	80.95	2710
39.10	1359	56.05	1317	70.05	604	81.90	553
40.00	56	57.10	2120	72.00	481	85.90	43
44.05	433	57.95	86	73.00	3578	87.00	2685
45.05	724	60.05	853	74.05	13595	88.00	2699
47.05	976	61.05	3829	75.10	39237	90.95	374
48.05	460	62.05	3665	76.05	3368	92.00	2305
49.05	3595	63.10	2849	76.95	399	93.00	3205
50.10	15236	64.10	256	77.95	338	94.10	9107

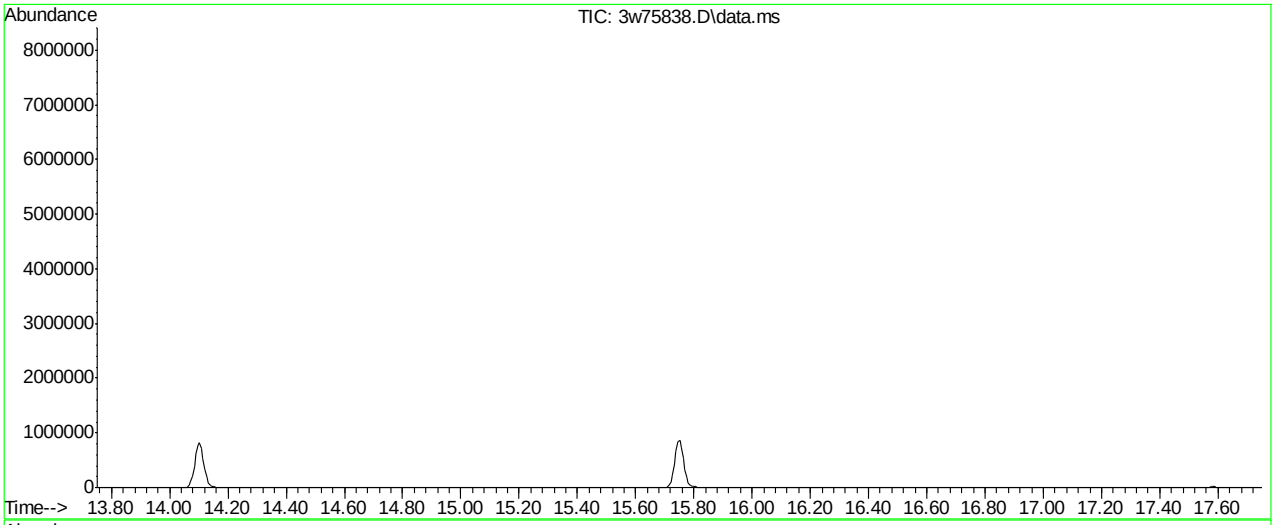
Average of 15.745 to 15.757 min.: 3w75770.D\data.ms
bfb
Modified:subtracted

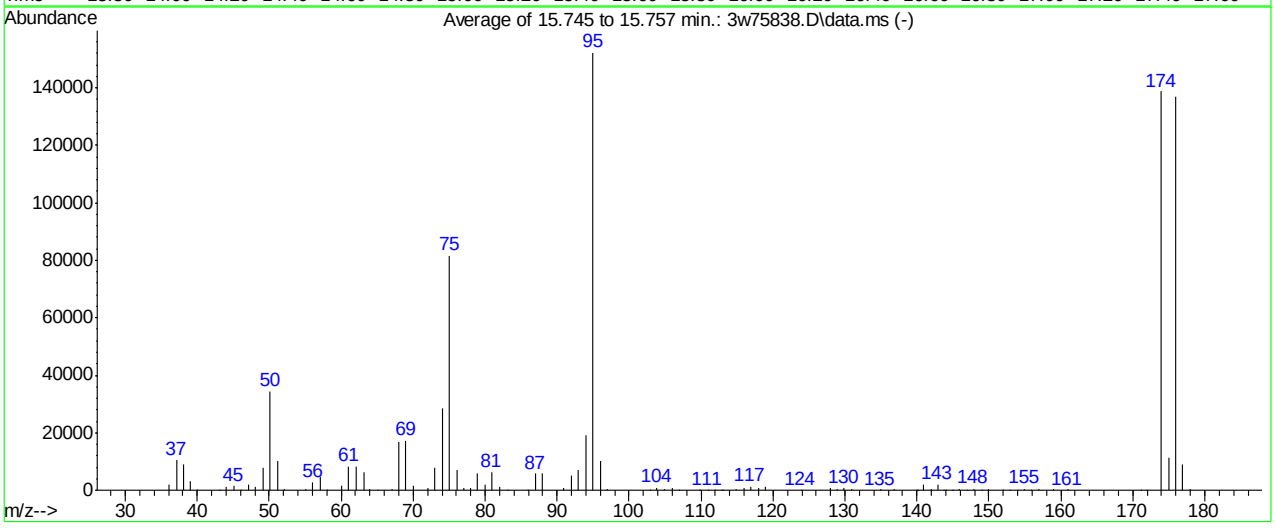
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	77733	117.95	322	145.00	44	177.00	4712
96.05	5108	119.00	492	145.95	116	177.90	170
97.05	155	127.90	264	147.95	246		
103.95	371	128.95	128	149.95	135		
104.90	111	129.95	316	154.95	227		
105.90	364	130.95	91	157.00	165		
110.90	88	134.95	146	159.00	42		
112.90	71	136.90	148	160.90	42		
114.90	77	140.90	990	174.00	73443		
115.95	301	141.90	124	175.00	5665		
116.90	544	142.90	992	176.00	72512		

BFB

Data File : C:\msdchem\1\data\3w75838.D Vial: 1
Acq On : 26 Apr 2022 7:10 am Operator: thomash
Sample : bfb Inst : GCMS3W
Misc : MS57619,V3W2984,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 1983, 1984, 1985; Background Corrected with Scan 1972

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.6	34472	PASS
75	95	30	66	53.5	81571	PASS
95	95	100	100	100.0	152341	PASS
96	95	5	9	6.6	9992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.1	138709	PASS
175	174	4	9	8.1	11287	PASS
176	174	93	101	98.9	137131	PASS
177	176	5	9	6.5	8974	PASS

3w75838.D M3W2981.M Thu Apr 28 21:50:54 2022

Average of 15.745 to 15.757 min.: 3w75838.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1999	49.10	7916	63.10	6411	76.05	7090
37.10	10411	50.10	34472	64.00	561	77.00	919
38.10	9079	51.10	10328	65.00	89	78.00	629
39.10	3331	52.05	459	67.05	427	78.95	5961
39.95	124	55.10	542	68.00	16898	80.00	1871
43.05	79	56.05	2778	69.00	17270	80.90	6380
44.00	1283	57.05	4783	70.00	1410	82.00	1341
45.05	1506	58.05	196	72.05	928	83.05	177
46.05	144	60.00	1694	73.05	7722	85.90	49
47.05	1948	61.00	8395	74.05	28547	87.00	5804
48.05	1204	62.05	8254	75.05	81571	88.00	5685

Average of 15.745 to 15.757 min.: 3w75838.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	662	106.95	163	118.95	1046	141.95	290
92.00	5031	109.80	34	123.90	37	142.90	2059
93.00	6936	109.95	104	127.90	659	143.70	37
94.05	19267	110.95	205	128.90	306	144.00	84
95.00	152341	111.90	123	129.90	678	144.90	169
96.00	9992	112.80	84	130.95	228	145.90	239
97.05	283	112.95	151	134.95	372	146.95	88
102.90	40	114.95	209	136.90	363	147.90	408
103.90	868	115.95	740	139.90	52	148.95	135
104.95	252	116.90	1227	140.05	95	149.95	219
105.95	834	117.95	683	140.90	2047	151.95	69

Average of 15.745 to 15.757 min.: 3w75838.D\data.ms
bfb
Modified:subtracted

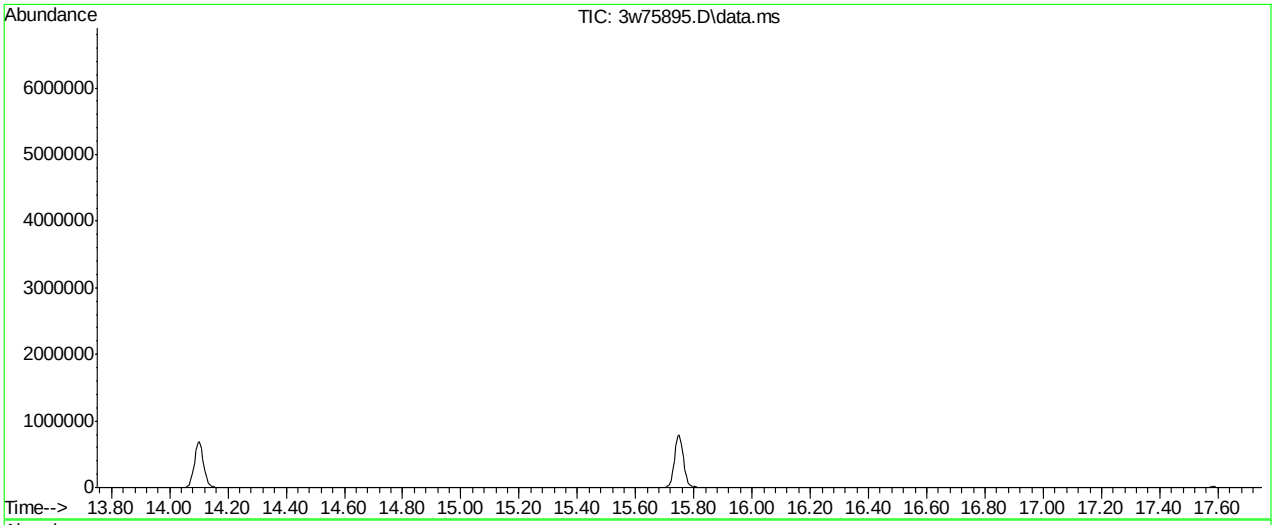
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
152.90	148	176.00	137131				
153.95	130	176.95	8974				
154.95	464	177.95	232				
155.90	89						
156.90	322						
158.90	219						
160.95	212						
171.10	45						
171.90	126						
174.00	138709						
175.00	11287						

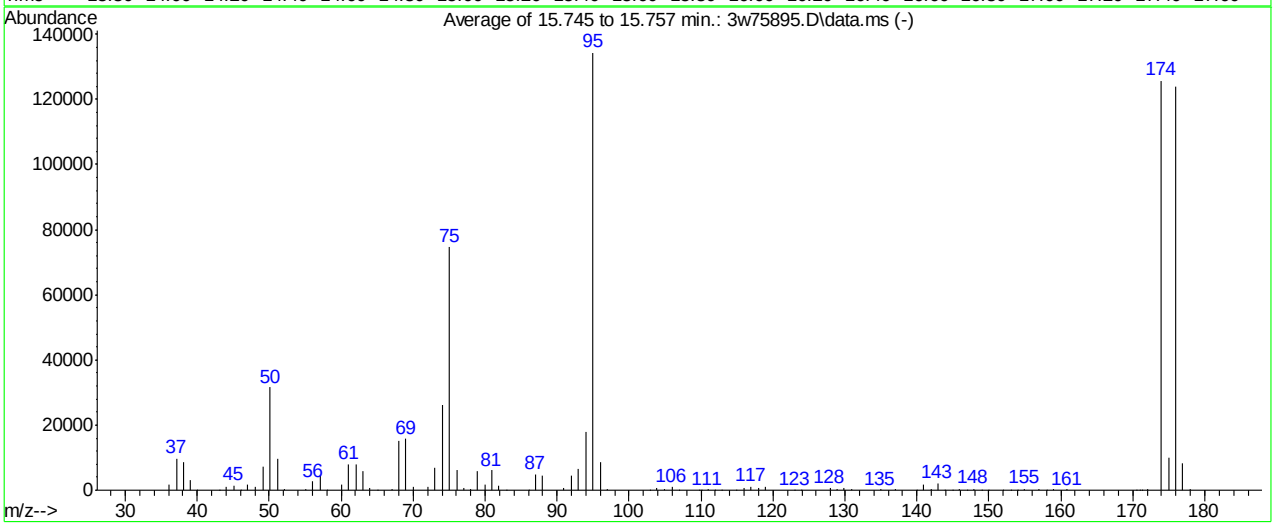
BFB

Data File : C:\msdchem\1\data\3w75895.D
Acq On : 28 Apr 2022 8:44 am
Sample : bfb
Misc : MS57899,V3W2986,,,,,1
MS Integration Params: RTEINT1.P

Vial: 1
Operator: thomash
Inst : GCMS3W
Multiplr: 1.00

Method : C:\msdchem\1\methods\M3W2981.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 1983, 1984, 1985; Background Corrected with Scan 1973

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.5	31632	PASS
75	95	30	66	55.6	74669	PASS
95	95	100	100	100.0	134397	PASS
96	95	5	9	6.5	8762	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.5	125712	PASS
175	174	4	9	8.0	10034	PASS
176	174	93	101	98.7	124035	PASS
177	176	5	9	6.6	8229	PASS

3w75895.D M3W2981.M Fri Apr 29 16:36:02 2022

Average of 15.745 to 15.757 min.: 3w75895.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1719	49.10	7404	63.05	5746	76.05	6370
37.10	9813	50.10	31632	64.00	546	77.00	801
38.10	8708	51.10	9562	65.00	94	78.00	490
39.10	3122	52.05	407	67.00	302	78.90	5812
40.00	113	55.05	517	68.00	15306	80.00	1759
43.05	128	56.05	2714	69.00	15826	80.90	6133
44.00	1091	57.05	4397	70.05	1141	81.90	1438
45.05	1490	58.00	169	72.05	888	82.95	173
46.10	163	60.05	1638	73.00	6860	86.05	93
47.00	1738	61.05	8037	74.10	26293	87.00	4874
48.00	1112	62.05	7937	75.05	74669	88.00	4553

Average of 15.745 to 15.757 min.: 3w75895.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.95	734	106.95	152	123.00	42	142.90	2091
92.00	4526	109.80	40	123.90	113	143.90	144
93.00	6461	110.00	52	127.90	626	144.95	165
94.00	17896	110.95	189	128.95	295	145.85	245
95.00	134397	111.85	150	129.90	567	146.95	127
96.00	8762	112.85	164	130.90	243	147.90	376
97.05	258	114.85	164	134.95	338	148.95	87
102.95	117	115.95	702	136.95	331	150.00	176
103.90	811	116.95	1203	139.90	103	152.00	38
104.90	237	117.95	673	140.95	1885	153.00	91
105.95	888	118.90	898	141.95	248	153.95	79

Average of 15.745 to 15.757 min.: 3w75895.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.95	396	176.00	124035				
156.95	325	176.95	8229				
158.00	34	177.95	212				
158.95	207						
160.90	229						
170.50	38						
171.00	44						
171.30	62						
172.05	383						
174.00	125712						
175.00	10034						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	167567	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	871525	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	797944	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	479708	8.68	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	2269	0.50	PPBV	#	62
4) CHLORODIFLUOROMETHANE	1.836	67	1250	0.48	PPBV	#	87
5) CHLOROTRIFLUOROETHENE	1.849	116	7945	0.45	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	36907	0.50	PPBV	#	97
7) PROPYLENE	1.846	41	2773	0.67	PPBV	#	87
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	30745	0.53	PPBV	#	87
9) FREON 114	1.965	85	38912	0.50	PPBV		94
10) CHLOROMETHANE	1.930	52	3272	0.59	PPBV		93
11) VINYL CHLORIDE	2.013	62	11101	0.51	PPBV		95
12) 1,3-BUTADIENE	2.058	54	7492	0.51	PPBV	#	84
13) N-BUTANE	2.084	43	12377	0.53	PPBV	#	95
14) BROMOMETHANE	2.161	94	12069	0.50	PPBV		96
15) CHLOROETHANE	2.229	64	5210	0.50	PPBV	#	87
16) DICHLOROFLUOROMETHANE	2.261	67	23192	0.49	PPBV	#	94
17) ACETONITRILE	2.351	41	7407	0.67	PPBV	#	94
18) ACROLEIN	2.399	56	4450	0.55	PPBV		98
19) FREON 123	2.422	83	27860	0.49	PPBV	#	97
20) FREON 123A	2.444	117	16970	0.47	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.525	101	44002	0.48	PPBV		98
22) ISOPROPYL ALCOHOL	2.541	45	27194	0.62	PPBV	#	91
23) ACETONE	2.451	58	6191	0.64	PPBV		77
24) PENTANE	2.643	42	17135	0.53	PPBV		96
25) IODOMETHANE	2.708	142	79181	0.50	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	29386	0.52	PPBV		100
27) CARBON DISULFIDE	2.869	76	86326	0.49	PPBV	#	1
28) ETHANOL	2.261	45	4437	0.79	PPBV	#	87
29) BROMOETHENE	2.357	106	12361	0.51	PPBV	#	95
30) ACRYLONITRILE	2.615	52	12995	0.56	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	31715	0.62	PPBV		99
32) 3-CHLOROPROPENE	2.811	76	14018	0.53	PPBV	#	89
33) FREON 113	2.869	151	58106	0.51	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	27794	0.53	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.746	59	45216	0.53	PPBV	#	79
36) METHYL TERTIARY BUTYL ...	3.222	73	23793	0.46	PPBV	#	96
37) TETRAHYDROFURAN	3.962	72	4440	0.42	PPBV		84
38) HEXANE	3.708	57	12852	0.37	PPBV	#	88
39) VINYL ACETATE	3.267	86	2316	0.40	PPBV	#	64
40) 1,1-DICHLOROETHANE	3.187	63	14204	0.48	PPBV	#	95
41) METHYL ETHYL KETONE	3.370	72	5176	0.51	PPBV		78
42) CIS-1,2-DICHLOROETHENE	3.569	96	11644	0.47	PPBV		91
43) DIISOPROPYL ETHER	3.708	59	4052	0.38	PPBV		79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	2784	0.36	PPBV	#	89
45) METHYL ACRYLATE	3.701	55	15342	0.38	PPBV	#	97
46) CHLOROFORM	3.730	83	23196	0.42	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.248	57	14588	0.42	PPBV	#	93
48) 1,1,1-TRICHLOROETHANE	4.325	97	21415	0.44	PPBV		99
49) CARBON TETRACHLORIDE	4.762	117	22597	0.45	PPBV		97
50) 1,2-DICHLOROETHANE	4.158	62	13457	0.46	PPBV		95
51) BENZENE	4.653	78	30737	0.45	PPBV		97
53) CYCLOHEXANE	4.865	84	15038	0.49	PPBV	#	77
54) 2,3-DIMETHYLPENTANE	5.132	71	6379	0.42	PPBV	#	99
55) TRICHLOROETHENE	5.579	95	14777	0.42	PPBV		94
56) 1,2-DICHLOROPROPANE	5.344	63	10401	0.46	PPBV	#	90
57) DIBROMOMETHANE	5.296	174	15449	0.48	PPBV		97
58) ETHYL ACRYLATE	5.466	55	17582	0.40	PPBV		97
59) BROMODICHLOROMETHANE	5.528	83	22969	0.41	PPBV		96
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	40637	0.41	PPBV	#	98
61) 1,4-DIOXANE	5.608	88	9506	0.53	PPBV	#	87
62) HEPTANE	5.997	43	11854	0.40	PPBV		88
63) METHYL METHACRYLATE	5.897	69	10673	0.40	PPBV		95
64) METHYL ISOBUTYL KETONE	6.653	58	7986	0.41	PPBV	#	86
65) CIS-1,3-DICHLOROPROPENE	6.544	75	15686	0.41	PPBV	#	87
66) TOLUENE	7.785	91	41146	0.43	PPBV		99
67) 1,3-DICHLOROPROPANE	7.839	76	18899	0.42	PPBV	#	92
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	12653	0.37	PPBV	#	90
69) 1,1,2-TRICHLOROETHANE	7.399	83	12304	0.46	PPBV		99
70) 2-HEXANONE	8.363	58	10935	0.41	PPBV	#	81
71) ETHYL METHACRYLATE	8.495	69	17359	0.37	PPBV		97
72) TETRACHLOROETHENE	9.550	164	17549	0.44	PPBV		98
73) DIBROMOCHLOROMETHANE	8.328	129	25137	0.40	PPBV		96
74) 1,2-DIBROMOETHANE	8.675	107	22033	0.38	PPBV		97
75) OCTANE	9.682	43	16558	0.39	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	17684	0.42	PPBV		95
78) CHLOROBENZENE	10.769	112	35474	0.44	PPBV		95
79) ETHYLBENZENE	11.653	91	54242	0.45	PPBV		98
80) M,P-XYLENE	12.090	91	82526	0.82	PPBV	#	49
81) O-XYLENE	13.026	91	42804	0.41	PPBV	#	95
82) STYRENE	12.820	104	32512	0.41	PPBV		99
83) NONANE	14.138	43	19735	0.45	PPBV		88
84) BROMOFORM	11.907	173	24626	0.42	PPBV	#	97
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	31406	0.41	PPBV		96
86) 1,2,3-TRICHLOROPROPANE	13.325	75	21726	0.41	PPBV	#	99
88) ISOPROPYLBENZENE	14.547	120	18144	0.41	PPBV		97
89) BROMOBENZENE	14.431	77	27685	0.42	PPBV		84
90) 2-CHLOROTOLUENE	15.556	126	16775	0.43	PPBV		97
91) N-PROPYLBENZENE	15.900	120	17000	0.38	PPBV		99
92) 4-ETHYLTOLUENE	16.222	105	60112	0.37	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	49016	0.35	PPBV		99
94) ALPHA-METHYLSTYRENE	16.553	118	25126	0.33	PPBV		100
95) TERT-BUTYLBENZENE	16.804	134	12556	0.32	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	16.810	105	49548	0.31	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

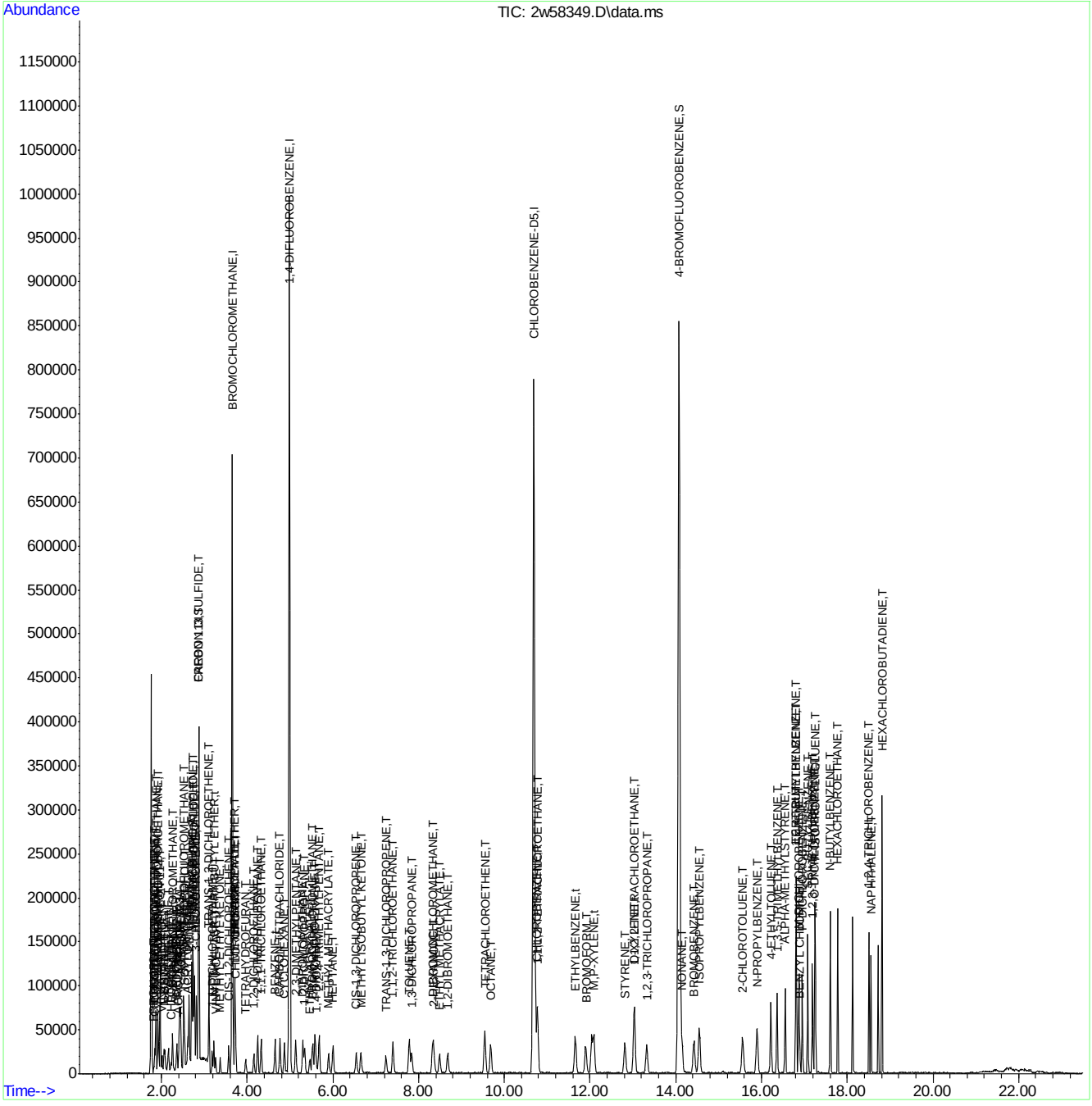
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.894	91	16662	0.20	PPBV	99
98) M-DICHLOROBENZENE	16.871	146	35510	0.34	PPBV	97
99) P-DICHLOROBENZENE	16.952	146	34051	0.32	PPBV	98
100) O-DICHLOROBENZENE	17.244	146	33730	0.32	PPBV	99
101) SEC-BUTYLBENZENE	17.080	134	16591	0.33	PPBV	85
102) 1,2,3-TRIMETHYLBENZENE	17.189	105	48194	0.32	PPBV	99
103) P-ISOPROPYLTOLUENE	17.257	134	17397	0.30	PPBV	93
104) N-BUTYLBENZENE	17.598	134	16356	0.31	PPBV	95
105) HEXACHLOROETHANE	17.778	117	19829	0.30	PPBV	92
106) HEXACHLOROBUTADIENE	18.816	225	29426	0.38	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	27280	0.35	PPBV	99
108) NAPHTHALENE	18.559	128	62128	0.35	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	166220	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	871478	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	791788	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	465770	9.27	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	953	0.21	PPBV	#	69
4) CHLORODIFLUOROMETHANE	1.843	67	447	0.18	PPBV	#	87
5) CHLOROTRIFLUOROETHENE	1.849	116	3384	0.19	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.872	85	14931	0.20	PPBV	#	97
7) PROPYLENE	1.852	41	970	0.21	PPBV	#	84
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	12109	0.21	PPBV	#	75
9) FREON 114	1.968	85	15641	0.20	PPBV		94
10) CHLOROMETHANE	1.926	52	1585	0.27	PPBV		76
11) VINYL CHLORIDE	2.010	62	4208	0.19	PPBV	#	90
12) 1,3-BUTADIENE	2.058	54	3125	0.21	PPBV	#	75
13) N-BUTANE	2.081	43	5093	0.20	PPBV	#	93
14) BROMOMETHANE	2.161	94	5037	0.20	PPBV	#	96
15) CHLOROETHANE	2.222	64	2431	0.22	PPBV		95
16) DICHLOROFLUOROMETHANE	2.261	67	9775	0.21	PPBV	#	97
17) ACETONITRILE	2.348	41	3132	0.26	PPBV	#	13
18) ACROLEIN	2.402	56	2171	0.25	PPBV		99
19) FREON 123	2.421	83	11472	0.20	PPBV		94
20) FREON 123A	2.444	117	7335	0.20	PPBV		80
21) TRICHLOROFLUOROMETHANE	2.521	101	18056	0.21	PPBV		96
22) ISOPROPYL ALCOHOL	2.544	45	11377	0.25	PPBV	#	90
23) ACETONE	2.454	58	2738	0.26	PPBV		76
24) PENTANE	2.643	42	6849	0.20	PPBV		91
25) IODOMETHANE	2.708	142	31301	0.20	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.737	96	11699	0.20	PPBV		97
27) CARBON DISULFIDE	2.868	76	34023	0.20	PPBV	#	85
28) ETHANOL	2.261	45	2296	0.31	PPBV	#	93
29) BROMOETHENE	2.367	106	5491	0.22	PPBV	#	90
30) ACRYLONITRILE	2.618	52	5641	0.22	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	16061	0.29	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	5220	0.19	PPBV	#	88
33) FREON 113	2.872	151	22255	0.20	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	3.106	96	10981	0.22	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.743	59	18668	0.22	PPBV	#	76
36) METHYL TERTIARY BUTYL ...	3.229	73	10136	0.20	PPBV		98
37) TETRAHYDROFURAN	3.968	72	1922	0.20	PPBV		92
38) HEXANE	3.701	57	5394	0.17	PPBV		89
39) VINYL ACETATE	3.261	86	931	0.18	PPBV	#	81
40) 1,1-DICHLOROETHANE	3.193	63	5710	0.20	PPBV		98
41) METHYL ETHYL KETONE	3.370	72	2032	0.19	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.573	96	4579	0.19	PPBV		92
43) DIISOPROPYL ETHER	3.714	59	1691	0.17	PPBV		70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.720	61	1273	0.19	PPBV		74
45) METHYL ACRYLATE	3.701	55	6198	0.17	PPBV	#	95
46) CHLOROFORM	3.727	83	9664	0.19	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.251	57	6270	0.19	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.325	97	8388	0.18	PPBV		95
49) CARBON TETRACHLORIDE	4.762	117	8835	0.19	PPBV		94
50) 1,2-DICHLOROETHANE	4.155	62	5636	0.20	PPBV	#	97
51) BENZENE	4.650	78	12800	0.19	PPBV		98
53) CYCLOHEXANE	4.868	84	5783	0.19	PPBV	#	82
54) 2,3-DIMETHYLPENTANE	5.132	71	2767	0.19	PPBV		91
55) TRICHLOROETHENE	5.579	95	6331	0.19	PPBV		98
56) 1,2-DICHLOROPROPANE	5.338	63	4245	0.19	PPBV	#	84
57) DIBROMOMETHANE	5.299	174	6150	0.18	PPBV		91
58) ETHYL ACRYLATE	5.473	55	7441	0.18	PPBV	#	95
59) BROMODICHLOROMETHANE	5.527	83	9877	0.19	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.672	57	16768	0.18	PPBV		98
61) 1,4-DIOXANE	5.634	88	4303	0.23	PPBV	#	81
62) HEPTANE	6.007	43	4922	0.18	PPBV		92
63) METHYL METHACRYLATE	5.907	69	4505	0.19	PPBV		98
64) METHYL ISOBUTYL KETONE	6.646	58	3519	0.20	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.543	75	6680	0.19	PPBV	#	85
66) TOLUENE	7.778	91	16053	0.18	PPBV		99
67) 1,3-DICHLOROPROPANE	7.846	76	7584	0.18	PPBV	#	91
68) TRANS-1,3-DICHLOROPROPENE	7.244	75	5000	0.16	PPBV	#	81
69) 1,1,2-TRICHLOROETHANE	7.399	83	4760	0.18	PPBV		90
70) 2-HEXANONE	8.370	58	4568	0.19	PPBV		82
71) ETHYL METHACRYLATE	8.486	69	6475	0.16	PPBV		93
72) TETRACHLOROETHENE	9.534	164	7171	0.19	PPBV		96
73) DIBROMOCHLOROMETHANE	8.338	129	10486	0.18	PPBV		97
74) 1,2-DIBROMOETHANE	8.678	107	8721	0.18	PPBV	#	99
75) OCTANE	9.685	43	6647	0.17	PPBV		93
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	7072	0.18	PPBV		98
78) CHLOROBENZENE	10.768	112	14371	0.19	PPBV		96
79) ETHYLBENZENE	11.649	91	20699	0.18	PPBV		97
80) M,P-XYLENE	12.048	91	32521	0.36	PPBV	#	79
81) O-XYLENE	13.022	91	16517	0.18	PPBV	#	85
82) STYRENE	12.810	104	12611	0.18	PPBV		96
83) NONANE	14.141	43	8231	0.19	PPBV	#	17
84) BROMOFORM	11.903	173	9618	0.18	PPBV		94
85) 1,1,2,2-TETRACHLOROETHANE	13.042	83	12600	0.18	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	13.321	75	8887	0.19	PPBV	#	99
88) ISOPROPYLBENZENE	14.543	120	7245	0.18	PPBV		99
89) BROMOBENZENE	14.427	77	11074	0.19	PPBV		87
90) 2-CHLOROTOLUENE	15.559	126	6369	0.18	PPBV		93
91) N-PROPYLBENZENE	15.894	120	6993	0.17	PPBV		97
92) 4-ETHYLTOLUENE	16.218	105	22730	0.16	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	18478	0.16	PPBV		98
94) ALPHA-METHYLSTYRENE	16.556	118	8990	0.14	PPBV		97
95) TERT-BUTYLBENZENE	16.804	134	5108	0.15	PPBV		89
96) 1,2,4-TRIMETHYLBENZENE	16.810	105	20002	0.16	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

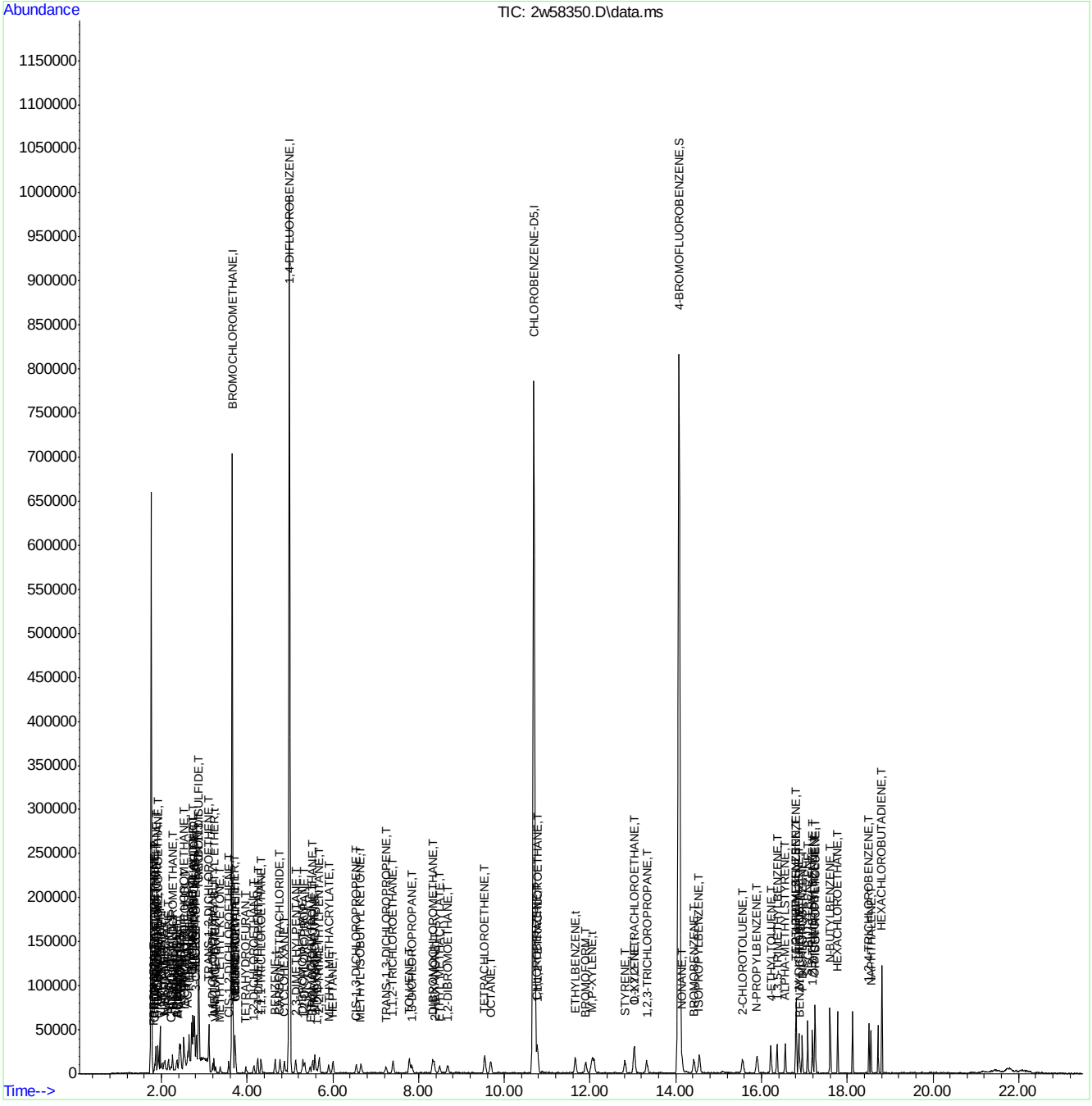
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	6352	0.17	PPBV		98
98)	M-DICHLOROBENZENE	16.871	146	13368	0.15	PPBV		96
99)	P-DICHLOROBENZENE	16.951	146	13499	0.16	PPBV		99
100)	O-DICHLOROBENZENE	17.244	146	13911	0.16	PPBV		95
101)	SEC-BUTYLBENZENE	17.080	134	6369	0.16	PPBV		85
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	18123	0.15	PPBV	#	92
103)	P-ISOPROPYLTOLUENE	17.257	134	6650	0.14	PPBV		93
104)	N-BUTYLBENZENE	17.598	134	6144	0.14	PPBV		97
105)	HEXACHLOROETHANE	17.775	117	7233	0.13	PPBV		96
106)	HEXACHLOROBUTADIENE	18.810	225	11153	0.16	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.508	180	10262	0.15	PPBV		94
108)	NAPHTHALENE	18.556	128	22124	0.15	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	167149	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	869549	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	779098	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	457760	8.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	435	0.10	PPBV	#	89
4) CHLORODIFLUOROMETHANE	1.830	67	217	0.08	PPBV	#	39
5) CHLOROTRIFLUOROETHENE	1.846	116	1876	0.11	PPBV	#	85
6) DICHLORODIFLUOROMETHANE	1.865	85	7731	0.10	PPBV	#	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	6103	0.10	PPBV	#	51
9) FREON 114	1.962	85	7993	0.10	PPBV		97
11) VINYL CHLORIDE	2.007	62	2392	0.11	PPBV	#	95
12) 1,3-BUTADIENE	2.049	54	1725	0.12	PPBV	#	73
13) N-BUTANE	2.074	43	2680	0.11	PPBV	#	88
14) BROMOMETHANE	2.151	94	2895	0.12	PPBV	#	99
15) CHLOROETHANE	2.219	64	1277	0.12	PPBV	#	72
16) DICHLOROFLUOROMETHANE	2.254	67	4946	0.10	PPBV	#	91
18) ACROLEIN	2.399	56	983	0.12	PPBV	#	68
19) FREON 123	2.412	83	5717	0.10	PPBV	#	93
20) FREON 123A	2.434	117	3653	0.10	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.518	101	8609	0.09	PPBV	#	98
24) PENTANE	2.640	42	4026	0.13	PPBV		96
25) IODOMETHANE	2.704	142	16983	0.11	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.727	96	6182	0.11	PPBV		96
27) CARBON DISULFIDE	2.868	76	17885	0.10	PPBV	#	86
29) BROMOETHENE	2.354	106	2566	0.11	PPBV	#	86
30) ACRYLONITRILE	2.614	52	3011	0.13	PPBV	#	81
32) 3-CHLOROPROPENE	2.807	76	2761	0.10	PPBV	#	74
33) FREON 113	2.862	151	11038	0.10	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	3.106	96	6500	0.12	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.746	59	10157	0.12	PPBV	#	75
36) METHYL TERTIARY BUTYL ...	3.222	73	4624	0.09	PPBV	#	88
37) TETRAHYDROFURAN	3.962	72	845	0.08	PPBV		92
38) HEXANE	3.704	57	2855	0.08	PPBV	#	83
39) VINYL ACETATE	3.254	86	499	0.09	PPBV	#	77
40) 1,1-DICHLOROETHANE	3.187	63	2983	0.10	PPBV	#	95
41) METHYL ETHYL KETONE	3.373	72	1105	0.11	PPBV	#	67
42) CIS-1,2-DICHLOROETHENE	3.573	96	2598	0.11	PPBV		92
43) DIISOPROPYL ETHER	3.711	59	989	0.09	PPBV	#	43
44) ETHYL ACETATE	3.717	61	566	0.07	PPBV		73
45) METHYL ACRYLATE	3.701	55	3457	0.09	PPBV	#	94
46) CHLOROFORM	3.727	83	4782	0.09	PPBV	#	91
47) 2,4-DIMETHYLPENTANE	4.241	57	3270	0.10	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.325	97	4630	0.10	PPBV		95
49) CARBON TETRACHLORIDE	4.762	117	4466	0.09	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	2605	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51)	BENZENE	4.646	78	6487	0.09	PPBV		95
53)	CYCLOHEXANE	4.868	84	3069	0.10	PPBV	#	84
54)	2,3-DIMETHYLPENTANE	5.129	71	1431	0.10	PPBV	#	96
55)	TRICHLOROETHENE	5.579	95	3143	0.09	PPBV		92
56)	1,2-DICHLOROPROPANE	5.347	63	2321	0.10	PPBV	#	80
57)	DIBROMOMETHANE	5.296	174	3737	0.12	PPBV		94
58)	ETHYL ACRYLATE	5.466	55	3758	0.09	PPBV	#	97
59)	BROMODICHLOROMETHANE	5.524	83	4805	0.09	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.679	57	8918	0.09	PPBV		99
61)	1,4-DIOXANE	5.630	88	2074	0.12	PPBV	#	57
62)	HEPTANE	6.000	43	2453	0.08	PPBV	#	87
63)	METHYL METHACRYLATE	5.900	69	1992	0.07	PPBV		87
64)	METHYL ISOBUTYL KETONE	6.643	58	1566	0.08	PPBV	#	1
65)	CIS-1,3-DICHLOROPROPENE	6.540	75	3045	0.08	PPBV	#	91
66)	TOLUENE	7.781	91	8305	0.09	PPBV		99
67)	1,3-DICHLOROPROPANE	7.839	76	3871	0.09	PPBV	#	97
68)	TRANS-1,3-DICHLOROPROPENE	7.241	75	2659	0.08	PPBV	#	75
69)	1,1,2-TRICHLOROETHANE	7.402	83	2587	0.10	PPBV		96
70)	2-HEXANONE	8.367	58	2109	0.08	PPBV	#	81
71)	ETHYL METHACRYLATE	8.486	69	3397	0.07	PPBV	#	93
72)	TETRACHLOROETHENE	9.543	164	3521	0.09	PPBV	#	93
73)	DIBROMOCHLOROMETHANE	8.328	129	5029	0.08	PPBV		95
74)	1,2-DIBROMOETHANE	8.678	107	4504	0.08	PPBV	#	96
75)	OCTANE	9.682	43	3705	0.09	PPBV		91
77)	1,1,1,2-TETRACHLOROETHANE	10.772	131	3749	0.09	PPBV		96
78)	CHLOROBENZENE	10.768	112	7299	0.09	PPBV		90
79)	ETHYLBENZENE	11.659	91	11286	0.09	PPBV		98
80)	M,P-XYLENE	12.087	91	15490	0.16	PPBV		91
81)	O-XYLENE	13.032	91	7840	0.08	PPBV		99
82)	STYRENE	12.810	104	5984	0.08	PPBV		99
83)	NONANE	14.148	43	4142	0.10	PPBV	#	27
84)	BROMOFORM	11.897	173	4457	0.08	PPBV	#	95
85)	1,1,2,2-TETRACHLOROETHANE	13.035	83	6356	0.08	PPBV	#	97
86)	1,2,3-TRICHLOROPROPANE	13.331	75	4407	0.09	PPBV	#	99
88)	ISOPROPYLBENZENE	14.553	120	3382	0.08	PPBV		86
89)	BROMOBENZENE	14.427	77	5324	0.08	PPBV		87
90)	2-CHLOROTOLUENE	15.562	126	3079	0.08	PPBV		100
91)	N-PROPYLBENZENE	15.894	120	3417	0.08	PPBV	#	90
92)	4-ETHYLTOLUENE	16.222	105	11071	0.07	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	16.360	105	8940	0.07	PPBV	#	97
94)	ALPHA-METHYLSTYRENE	16.556	118	4994	0.07	PPBV		93
95)	TERT-BUTYLBENZENE	16.797	134	2592	0.07	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.810	105	8954	0.06	PPBV		93
97)	BENZYL CHLORIDE	16.894	91	2964	0.04	PPBV		97
98)	M-DICHLOROBENZENE	16.871	146	6491	0.06	PPBV		93
99)	P-DICHLOROBENZENE	16.955	146	6639	0.06	PPBV		99
100)	O-DICHLOROBENZENE	17.244	146	6663	0.06	PPBV		97
101)	SEC-BUTYLBENZENE	17.074	134	3024	0.06	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	8805	0.06	PPBV		92
103)	P-ISOPROPYLTOLUENE	17.254	134	3247	0.06	PPBV		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) N-BUTYLBENZENE	17.598	134	2674	0.05	PPBV	97
106) HEXACHLOROBUTADIENE	18.816	225	5053	0.07	PPBV	98
107) 1,2,4-TRICHLOROBENZENE	18.720	180	3975	0.05	PPBV	93

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

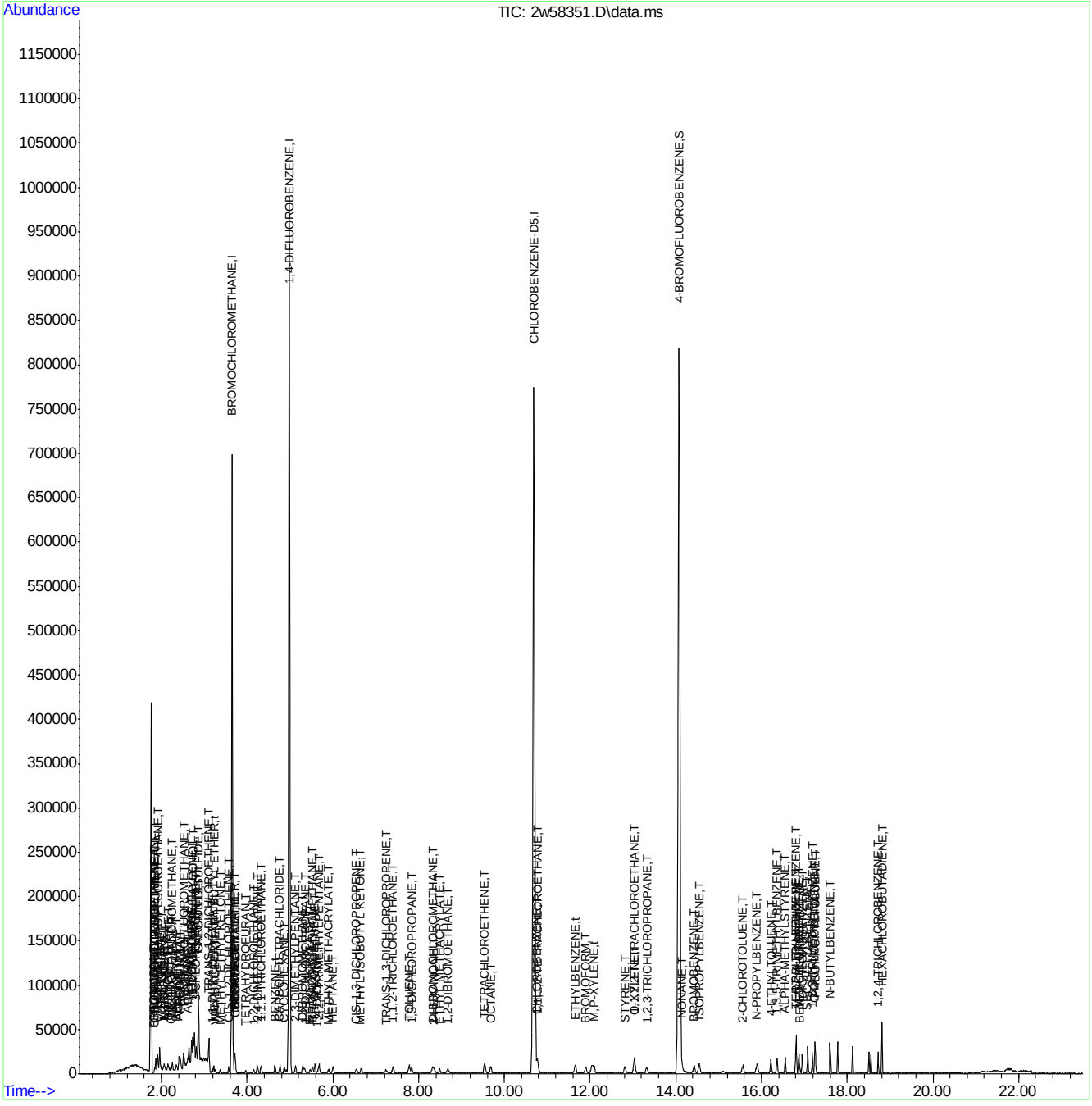
7.7.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/23/22 20:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	161907	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	843824	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	756941	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	444839	8.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	206	0.05	PPBV	#	44
5) CHLOROTRIFLUOROETHENE	1.849	116	833	0.05	PPBV	#	84
6) DICHLORODIFLUOROMETHANE	1.878	85	2997	0.04	PPBV	#	94
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	2305	0.04	PPBV	#	1
9) FREON 114	1.975	85	3232	0.04	PPBV	#	85
11) VINYL CHLORIDE	2.013	62	971	0.05	PPBV	#	70
12) 1,3-BUTADIENE	2.055	54	685	0.05	PPBV	#	64
13) N-BUTANE	2.087	43	1252	0.06	PPBV	#	84
14) BROMOMETHANE	2.168	94	1123	0.05	PPBV		88
15) CHLOROETHANE	2.232	64	488	0.05	PPBV	#	66
16) DICHLOROFLUOROMETHANE	2.264	67	2044	0.04	PPBV	#	91
19) FREON 123	2.422	83	2304	0.04	PPBV		92
20) FREON 123A	2.451	117	1462	0.04	PPBV		90
21) TRICHLOROFLUOROMETHANE	2.528	101	3546	0.04	PPBV	#	90
24) PENTANE	2.640	42	1983	0.06	PPBV		96
25) IODOMETHANE	2.708	142	6596	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.737	96	2826	0.05	PPBV		89
27) CARBON DISULFIDE	2.872	76	7443	0.04	PPBV	#	85
29) BROMOETHENE	2.364	106	1134	0.05	PPBV	#	86
30) ACRYLONITRILE	2.618	52	1271	0.06	PPBV	#	74
32) 3-CHLOROPROPENE	2.811	76	1516	0.06	PPBV	#	86
33) FREON 113	2.869	151	5037	0.05	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	3.103	96	1753	0.03	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.750	59	3548	0.04	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	3.229	73	1934	0.04	PPBV	#	69
37) TETRAHYDROFURAN	3.975	72	250	0.02	PPBV	#	39
38) HEXANE	3.705	57	1164	0.03	PPBV	#	83
39) VINYL ACETATE	3.258	86	141	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	3.187	63	1100	0.04	PPBV		94
41) METHYL ETHYL KETONE	3.370	72	482	0.05	PPBV	#	66
42) CIS-1,2-DICHLOROETHENE	3.573	96	1048	0.04	PPBV		92
45) METHYL ACRYLATE	3.708	55	1165	0.03	PPBV	#	65
46) CHLOROFORM	3.727	83	2012	0.04	PPBV	#	85
47) 2,4-DIMETHYLPENTANE	4.245	57	1345	0.04	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.319	97	2069	0.04	PPBV		91
49) CARBON TETRACHLORIDE	4.766	117	1558	0.03	PPBV		96
50) 1,2-DICHLOROETHANE	4.148	62	1140	0.04	PPBV	#	87
51) BENZENE	4.647	78	3098	0.05	PPBV	#	81
53) CYCLOHEXANE	4.865	84	1253	0.04	PPBV		88
54) 2,3-DIMETHYLPENTANE	5.132	71	553	0.04	PPBV	#	91
55) TRICHLOROETHENE	5.586	95	1285	0.04	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

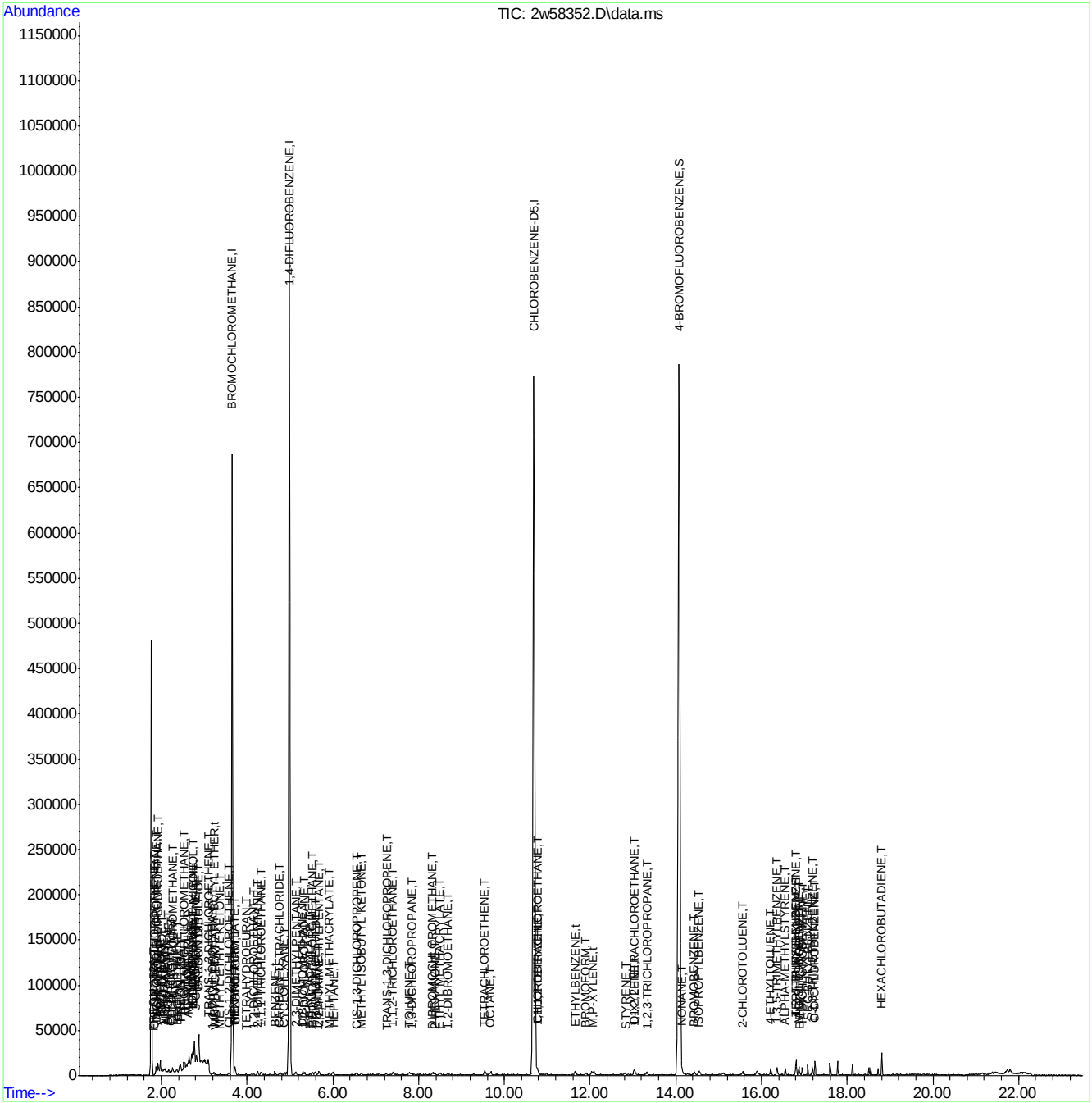
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56)	1,2-DICHLOROPROPANE	5.344	63	757	0.03	PPBV	#	78
57)	DIBROMOMETHANE	5.296	174	1561	0.05	PPBV		94
58)	ETHYL ACRYLATE	5.463	55	1427	0.03	PPBV	#	81
59)	BROMODICHLOROMETHANE	5.521	83	1762	0.03	PPBV	#	78
60)	2,2,4-TRIMETHYLPENTANE	5.679	57	3819	0.04	PPBV	#	95
61)	1,4-DIOXANE	5.647	88	669	0.04	PPBV	#	34
62)	HEPTANE	6.010	43	1164	0.04	PPBV	#	49
63)	METHYL METHACRYLATE	5.907	69	871	0.03	PPBV	#	77
64)	METHYL ISOBUTYL KETONE	6.653	58	615	0.03	PPBV	#	1
65)	CIS-1,3-DICHLOROPROPENE	6.547	75	1380	0.04	PPBV	#	65
66)	TOLUENE	7.785	91	3095	0.03	PPBV		98
67)	1,3-DICHLOROPROPANE	7.846	76	1425	0.03	PPBV	#	88
68)	TRANS-1,3-DICHLOROPROPENE	7.254	75	1142	0.03	PPBV	#	73
69)	1,1,2-TRICHLOROETHANE	7.402	83	1044	0.04	PPBV		83
70)	2-HEXANONE	8.376	58	974	0.04	PPBV	#	93
71)	ETHYL METHACRYLATE	8.489	69	1426	0.03	PPBV	#	82
72)	TETRACHLOROETHENE	9.547	164	1395	0.04	PPBV		89
73)	DIBROMOCHLOROMETHANE	8.322	129	1821	0.03	PPBV	#	21
74)	1,2-DIBROMOETHANE	8.688	107	1389	0.03	PPBV	#	75
75)	OCTANE	9.672	43	1577	0.04	PPBV	#	42
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	1292	0.03	PPBV	#	79
78)	CHLOROBENZENE	10.775	112	3063	0.04	PPBV	#	87
79)	ETHYLBENZENE	11.653	91	4311	0.04	PPBV		100
80)	M,P-XYLENE	12.077	91	6616	0.07	PPBV	#	42
81)	O-XYLENE	13.026	91	3240	0.03	PPBV		95
82)	STYRENE	12.830	104	2395	0.03	PPBV	#	66
83)	NONANE	14.151	43	1715	0.04	PPBV	#	21
84)	BROMOFORM	11.900	173	1855	0.03	PPBV	#	59
85)	1,1,2,2-TETRACHLOROETHANE	13.039	83	2469m	0.03	PPBV		
86)	1,2,3-TRICHLOROPROPANE	13.331	75	1701	0.03	PPBV	#	99
88)	ISOPROPYLBENZENE	14.534	120	1268	0.03	PPBV	#	52
89)	BROMOBENZENE	14.431	77	2095	0.03	PPBV	#	78
90)	2-CHLOROTOLUENE	15.559	126	1144	0.03	PPBV	#	42
92)	4-ETHYLTOLUENE	16.215	105	4792	0.03	PPBV	#	98
93)	1,3,5-TRIMETHYLBENZENE	16.363	105	3740	0.03	PPBV	#	98
94)	ALPHA-METHYLSTYRENE	16.553	118	1814	0.03	PPBV		91
95)	TERT-BUTYLBENZENE	16.804	134	1179	0.03	PPBV		77
96)	1,2,4-TRIMETHYLBENZENE	16.810	105	3834	0.03	PPBV		95
97)	BENZYL CHLORIDE	16.891	91	1254	0.02	PPBV	#	83
98)	M-DICHLOROBENZENE	16.868	146	2454m	0.02	PPBV		
99)	P-DICHLOROBENZENE	16.952	146	2527	0.02	PPBV		96
100)	O-DICHLOROBENZENE	17.241	146	2442	0.02	PPBV		96
101)	SEC-BUTYLBENZENE	17.077	134	1241	0.03	PPBV		75
102)	1,2,3-TRIMETHYLBENZENE	17.186	105	3531	0.02	PPBV	#	93
106)	HEXACHLOROBUTADIENE	18.810	225	2211	0.03	PPBV		90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V2W2599-IC2599
Lab FileID: 2W58352.D
Injection Time: 03/18/22 21:26

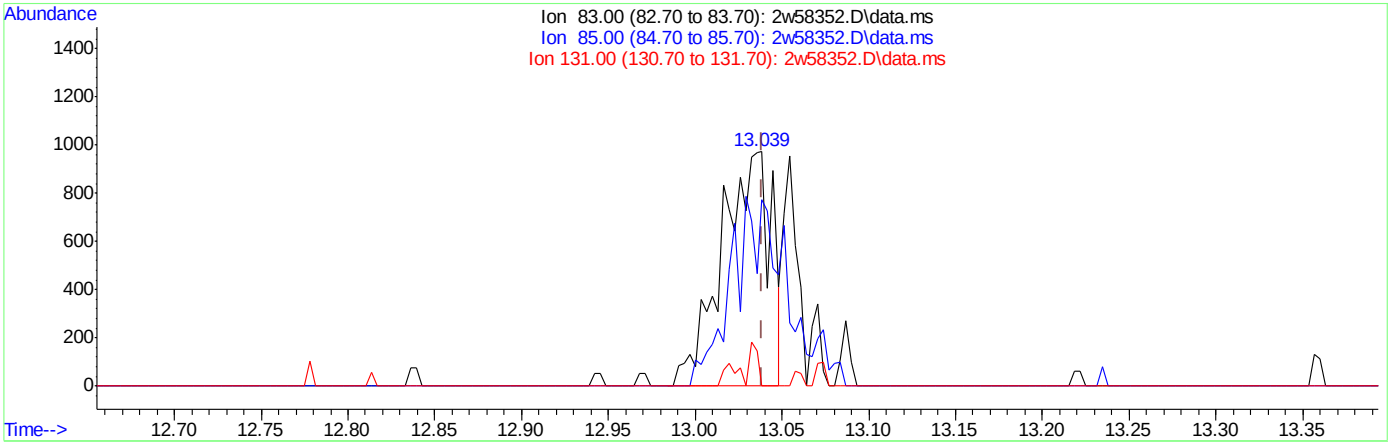
Method: TO-15
Analyst approved: 03/21/22 08:59 Thomas Hilbig
Supervisor approved: 03/23/22 20:46 Kanya Veerawat

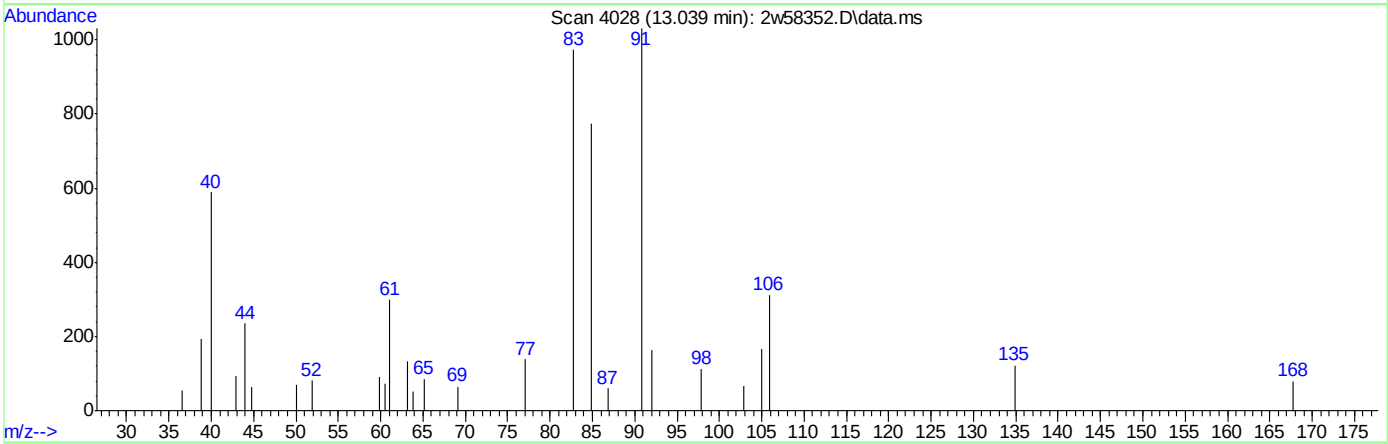
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1,2,2-Tetrachloroethane	79-34-5		13.04	Split peak
m-Dichlorobenzene	541-73-1		16.87	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Raw DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:17:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 09:12:52 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(85) 1,1,2,2-TETRACHLOROETHANE (T)

13.039min (+0.000) 0.03PPBV

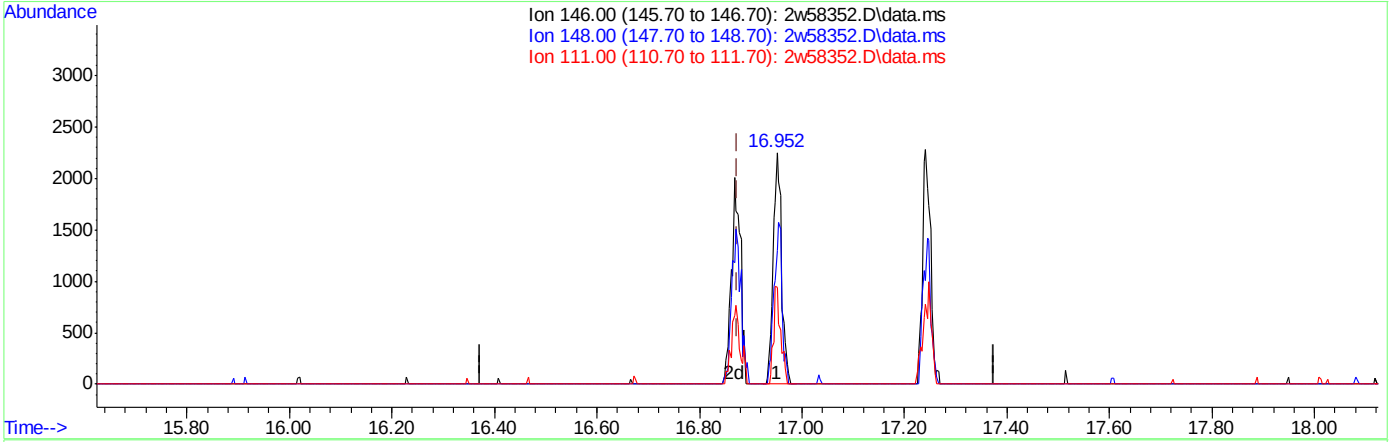
response 1956

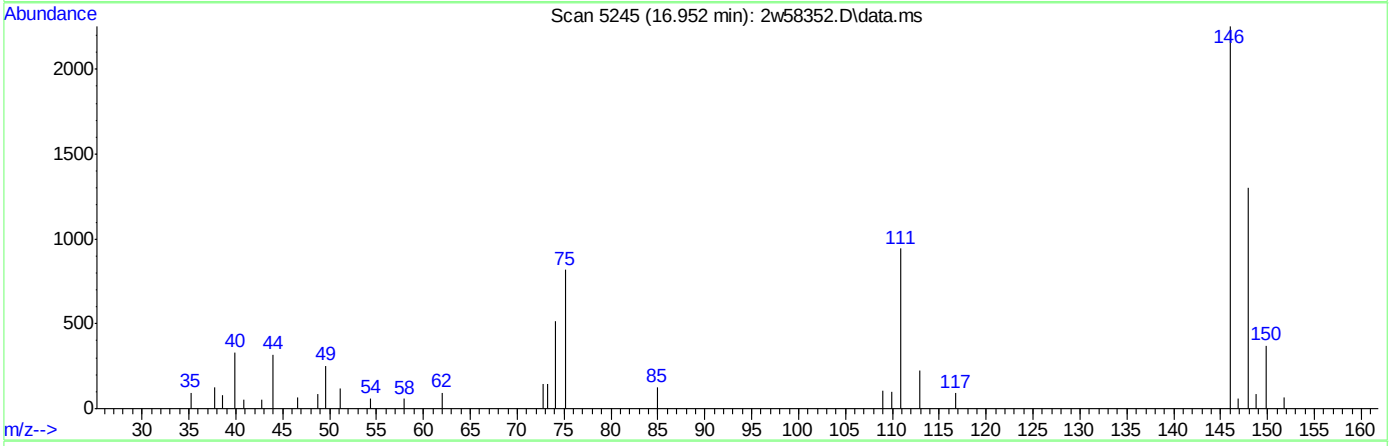
Ion	Exp%	Act%
83.00	100	100
85.00	64.50	90.39#
131.00	9.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Raw DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:17:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 09:12:52 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(98) M-DICHLOROBENZENE (T)

16.952min (+0.077) 0.03PPBV

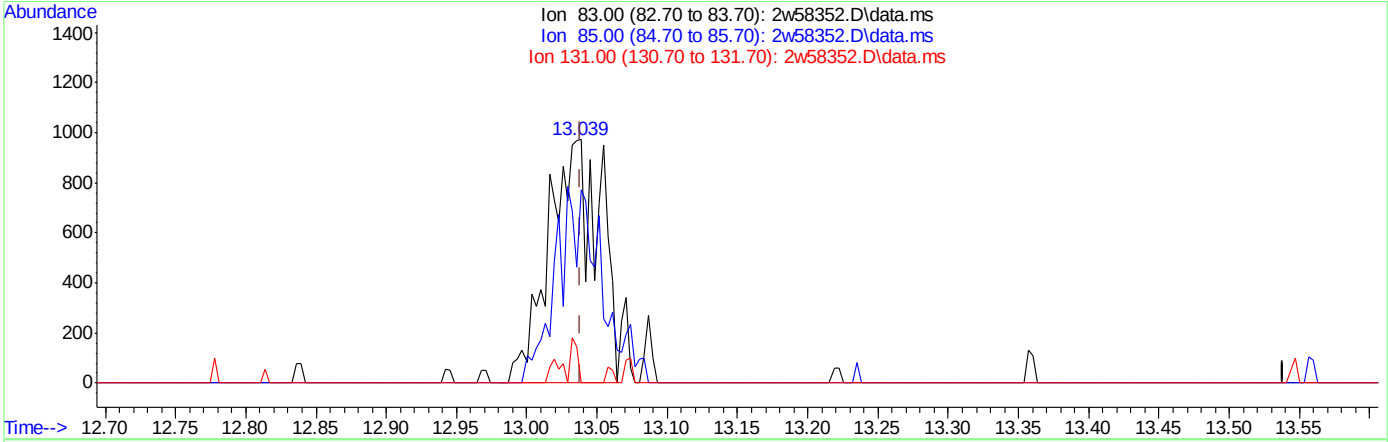
response 2527

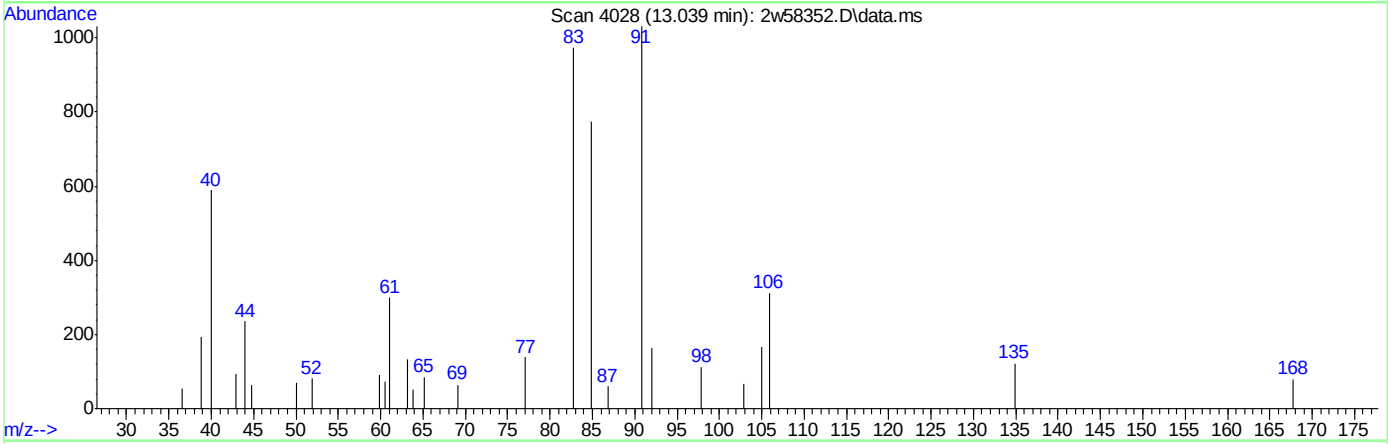
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	67.43
111.00	38.20	35.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(85) 1,1,2,2-TETRACHLOROETHANE (T)

13.039min (+0.000) 0.03PPBV m

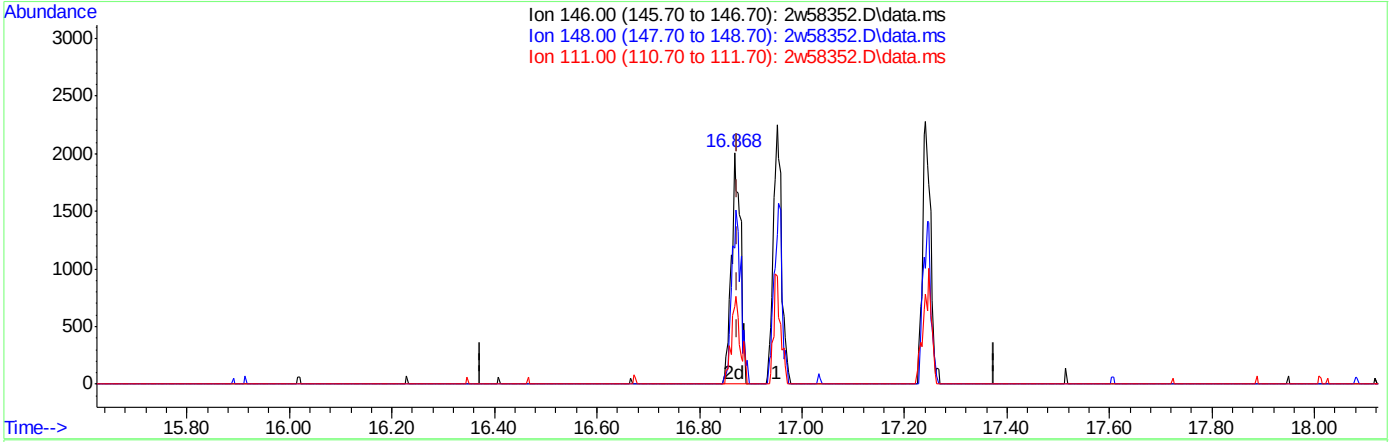
response 2469

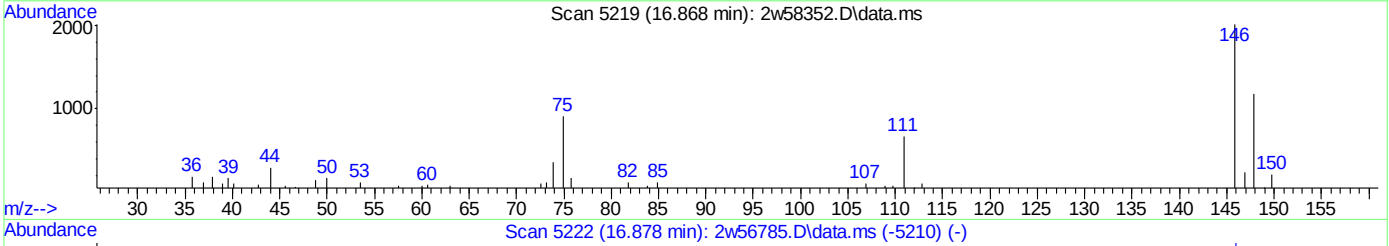
Ion	Exp%	Act%
83.00	100	100
85.00	64.50	71.61
131.00	9.80	0.00#
0.00	0.00	0.00

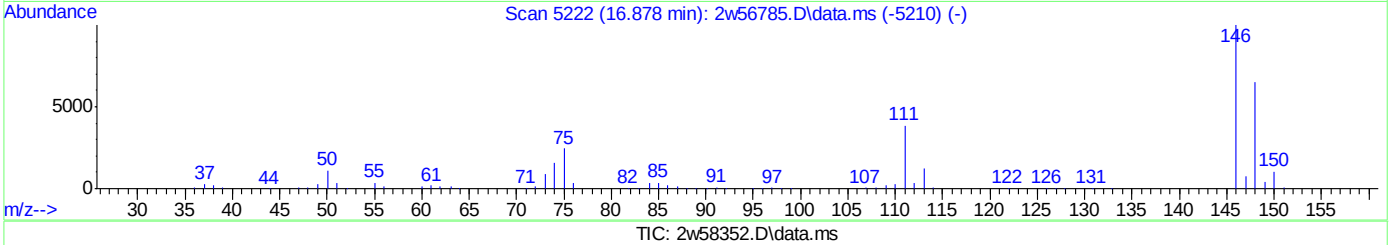
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration







TIC: 2w58352.D\data.ms

(98) M-DICHLOROBENZENE (T)

16.868min (-0.006) 0.02PPBV m

response 2454

Ion	Exp%	Act%
146.00	100	100
148.00	63.80	69.44
111.00	38.20	36.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	172839	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	881609	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	836687	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	549681	9.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	23635	5.09	PPBV		91
4) CHLORODIFLUOROMETHANE	1.836	67	12965	4.86	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.852	116	88627	4.91	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.875	85	387563	5.06	PPBV	#	97
7) PROPYLENE	1.849	41	21149	4.96	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	315178	5.24	PPBV		94
9) FREON 114	1.968	85	413165	5.10	PPBV		94
10) CHLOROMETHANE	1.930	52	30269	5.27	PPBV		99
11) VINYL CHLORIDE	2.010	62	117644	5.28	PPBV		99
12) 1,3-BUTADIENE	2.065	54	76905	5.05	PPBV	#	86
13) N-BUTANE	2.084	43	124869	5.17	PPBV		98
14) BROMOMETHANE	2.164	94	130249	5.19	PPBV		98
15) CHLOROETHANE	2.229	64	56392	5.26	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	246524	5.03	PPBV	#	97
17) ACETONITRILE	2.351	41	57510	5.03	PPBV		92
18) ACROLEIN	2.402	56	43587	5.24	PPBV		99
19) FREON 123	2.422	83	301388	5.13	PPBV		96
20) FREON 123A	2.444	117	191581	5.10	PPBV		89
21) TRICHLOROFLUOROMETHANE	2.524	101	481878	5.12	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	253082	5.57	PPBV		95
23) ACETONE	2.457	58	52121	5.23	PPBV		75
24) PENTANE	2.647	42	177351	5.34	PPBV		97
25) IODOMETHANE	2.704	142	852275	5.19	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	309180	5.27	PPBV		99
27) CARBON DISULFIDE	2.868	76	945817	5.25	PPBV	#	85
28) ETHANOL	2.267	45	29908	5.14	PPBV	#	98
29) BROMOETHENE	2.364	106	127903	5.10	PPBV	#	97
30) ACRYLONITRILE	2.614	52	126403	5.28	PPBV		98
31) METHYLENE CHLORIDE	2.772	84	289820	5.47	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	147272	5.38	PPBV		92
33) FREON 113	2.868	151	610042	5.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	3.106	96	230459	4.28	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.743	59	496139	5.68	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.222	73	258191	4.85	PPBV		99
37) TETRAHYDROFURAN	3.949	72	51095	4.65	PPBV		92
38) HEXANE	3.708	57	155667	4.35	PPBV	#	87
39) VINYL ACETATE	3.264	86	27481	4.61	PPBV		68
40) 1,1-DICHLOROETHANE	3.190	63	151547	4.94	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	51579	4.93	PPBV		84
42) CIS-1,2-DICHLOROETHENE	3.573	96	125509	4.94	PPBV		93
43) DIISOPROPYL ETHER	3.711	59	46514	4.28	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	33428	4.22	PPBV		94
45) METHYL ACRYLATE	3.701	55	179927	4.37	PPBV	#	100
46) CHLOROFORM	3.727	83	264191	4.65	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.241	57	169856	4.78	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.325	97	241851	4.85	PPBV		99
49) CARBON TETRACHLORIDE	4.769	117	247065	4.78	PPBV		99
50) 1,2-DICHLOROETHANE	4.155	62	148780	4.96	PPBV		98
51) BENZENE	4.650	78	346151	4.89	PPBV		98
53) CYCLOHEXANE	4.872	84	153199	4.95	PPBV		85
54) 2,3-DIMETHYLPENTANE	5.132	71	73850	4.85	PPBV		95
55) TRICHLOROETHENE	5.582	95	164808	4.67	PPBV		95
56) 1,2-DICHLOROPROPANE	5.338	63	113063	4.97	PPBV	#	90
57) DIBROMOMETHANE	5.302	174	163350	4.97	PPBV		97
58) ETHYL ACRYLATE	5.460	55	211382	4.75	PPBV		97
59) BROMODICHLOROMETHANE	5.524	83	269359	4.72	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	466037	4.66	PPBV	#	99
61) 1,4-DIOXANE	5.592	88	82260	4.56	PPBV		90
62) HEPTANE	6.007	43	137195	4.52	PPBV		89
63) METHYL METHACRYLATE	5.894	69	125014	4.60	PPBV		99
64) METHYL ISOBUTYL KETONE	6.650	58	89369	4.51	PPBV	#	90
65) CIS-1,3-DICHLOROPROPENE	6.550	75	182506	4.69	PPBV	#	91
66) TOLUENE	7.781	91	452172	4.62	PPBV		98
67) 1,3-DICHLOROPROPANE	7.839	76	211613	4.67	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	158160	4.60	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.405	83	131436	4.83	PPBV		98
70) 2-HEXANONE	8.347	58	116541	4.32	PPBV		90
71) ETHYL METHACRYLATE	8.489	69	200069	4.23	PPBV		95
72) TETRACHLOROETHENE	9.547	164	186993	4.65	PPBV		99
73) DIBROMOCHLOROMETHANE	8.328	129	287068	4.51	PPBV		99
74) 1,2-DIBROMOETHANE	8.679	107	249669	4.31	PPBV		99
75) OCTANE	9.685	43	190140	4.45	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	204659	4.65	PPBV		99
78) CHLOROBENZENE	10.765	112	400045	4.78	PPBV		96
79) ETHYLBENZENE	11.656	91	610940	4.78	PPBV		98
80) M,P-XYLENE	12.090	91	971854	9.25	PPBV		99
81) O-XYLENE	13.032	91	507816	4.66	PPBV		98
82) STYRENE	12.813	104	387123	4.61	PPBV		99
83) NONANE	14.148	43	226036	4.90	PPBV		97
84) BROMOFORM	11.903	173	279588	4.54	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	371001	4.61	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	13.325	75	255644	4.64	PPBV	#	100
88) ISOPROPYLBENZENE	14.550	120	220764	4.70	PPBV		99
89) BROMOBENZENE	14.424	77	327952	4.73	PPBV		88
90) 2-CHLOROTOLUENE	15.563	126	192626	4.70	PPBV		98
91) N-PROPYLBENZENE	15.900	120	224162	4.73	PPBV		99
92) 4-ETHYLTOLUENE	16.222	105	801109	4.66	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	673264	4.63	PPBV		99
94) ALPHA-METHYLSTYRENE	16.553	118	364593	4.55	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	183652	4.52	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	749827	4.51	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

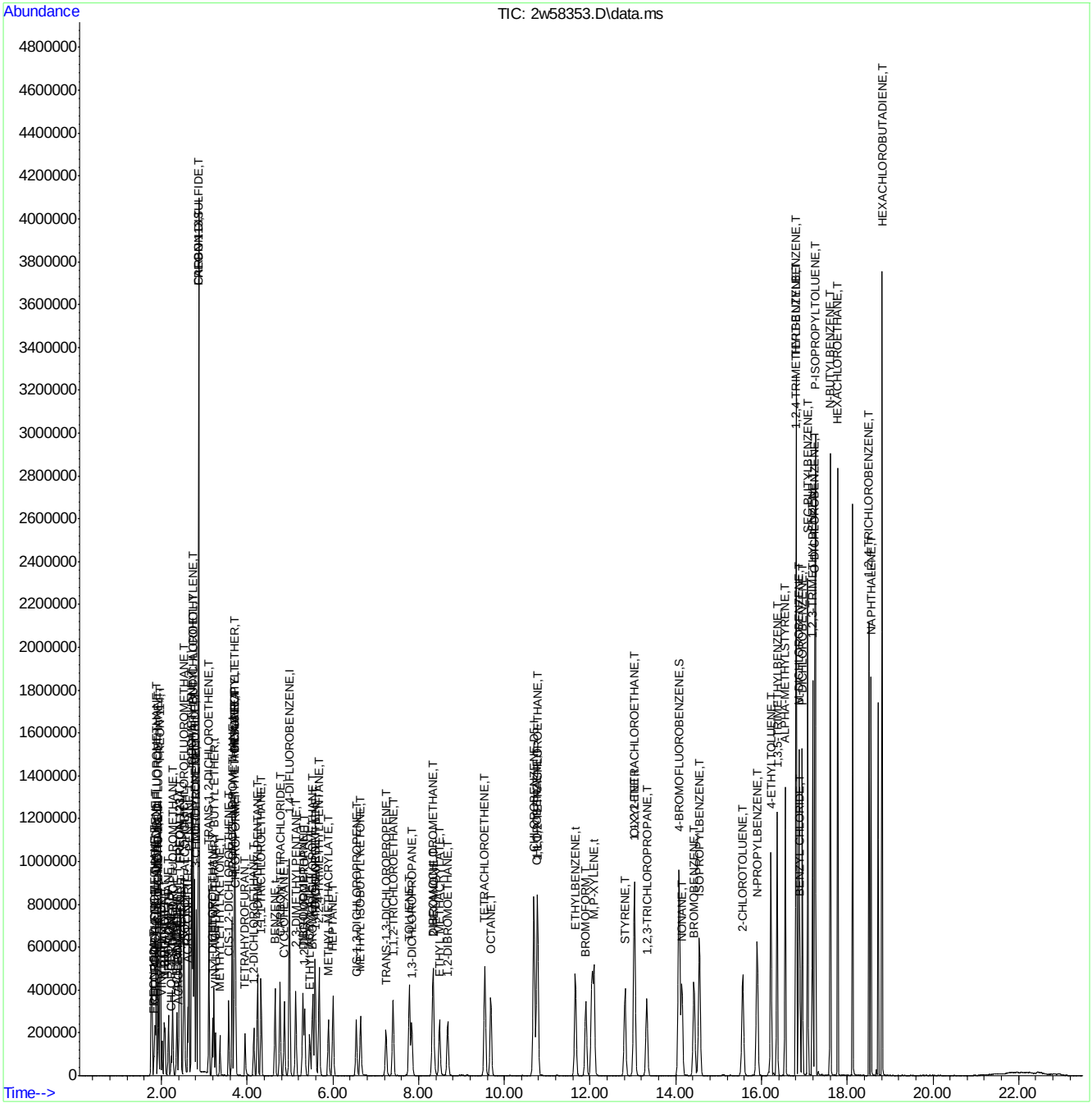
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.894	91	322691	3.75	PPBV	98
98)	M-DICHLOROBENZENE	16.871	146	496097	4.53	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	489200	4.36	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	500771	4.49	PPBV	100
101)	SEC-BUTYLBENZENE	17.080	134	236925	4.49	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	733407	4.65	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	281251	4.60	PPBV	93
104)	N-BUTYLBENZENE	17.601	134	251983	4.62	PPBV	93
105)	HEXACHLOROETHANE	17.781	117	313757	4.57	PPBV	96
106)	HEXACHLOROBUTADIENE	18.816	225	360796	4.45	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	377619	4.59	PPBV	99
108)	NAPHTHALENE	18.559	128	864012	4.66	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	189435	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	969216	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	956561	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	665568	10.05	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	50868	10.00	PPBV	#	85
4) CHLORODIFLUOROMETHANE	1.836	67	29152	9.98	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	198031	10.00	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	839145	10.00	PPBV	#	96
7) PROPYLENE	1.846	41	46751	10.00	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	658981	10.00	PPBV		95
9) FREON 114	1.968	85	887461	9.99	PPBV		95
10) CHLOROMETHANE	1.926	52	62921	10.00	PPBV		97
11) VINYL CHLORIDE	2.010	62	243815	9.99	PPBV		100
12) 1,3-BUTADIENE	2.061	54	166844	10.00	PPBV	#	88
13) N-BUTANE	2.081	43	264526	9.98	PPBV		98
14) BROMOMETHANE	2.161	94	275050	10.00	PPBV		100
15) CHLOROETHANE	2.229	64	117595	10.00	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	536892	10.00	PPBV	#	98
17) ACETONITRILE	2.351	41	125351	10.01	PPBV		96
18) ACROLEIN	2.402	56	91151	10.00	PPBV		99
19) FREON 123	2.422	83	644305	10.00	PPBV		95
20) FREON 123A	2.444	117	411444	10.00	PPBV		90
21) TRICHLOROFLUOROMETHANE	2.521	101	1031059	10.00	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	496999	9.99	PPBV		96
23) ACETONE	2.450	58	108909	9.97	PPBV	#	70
24) PENTANE	2.647	42	364213	10.00	PPBV		96
25) IODOMETHANE	2.704	142	1800816	10.00	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.733	96	643288	10.00	PPBV		98
27) CARBON DISULFIDE	2.868	76	1974977	10.00	PPBV	#	92
28) ETHANOL	2.264	45	63819	10.00	PPBV	#	97
29) BROMOETHENE	2.360	106	274552	10.00	PPBV	#	97
30) ACRYLONITRILE	2.614	52	261825	9.97	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	580182	10.00	PPBV		98
32) 3-CHLOROPROPENE	2.811	76	299675	9.98	PPBV		93
33) FREON 113	2.868	151	1288681	10.00	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	589588	10.00	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.740	59	958618	10.01	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.222	73	583688	10.00	PPBV		100
37) TETRAHYDROFURAN	3.946	72	120543	10.02	PPBV		89
38) HEXANE	3.704	57	391848	10.00	PPBV		89
39) VINYL ACETATE	3.264	86	65376	10.00	PPBV		66
40) 1,1-DICHLOROETHANE	3.190	63	335955	10.00	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	114554	10.00	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.569	96	278654	10.00	PPBV		94
43) DIISOPROPYL ETHER	3.708	59	118987	10.00	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	86909	10.00	PPBV		97
45) METHYL ACRYLATE	3.701	55	451435	10.00	PPBV	#	99
46) CHLOROFORM	3.727	83	622519	10.00	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.245	57	389312	10.00	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.325	97	546649	10.00	PPBV		98
49) CARBON TETRACHLORIDE	4.765	117	566812	10.00	PPBV		99
50) 1,2-DICHLOROETHANE	4.155	62	328959	10.00	PPBV		98
51) BENZENE	4.650	78	775893	10.00	PPBV		98
53) CYCLOHEXANE	4.868	84	340516	10.00	PPBV		84
54) 2,3-DIMETHYLPENTANE	5.132	71	167499	10.00	PPBV		91
55) TRICHLOROETHENE	5.582	95	388354	10.00	PPBV		96
56) 1,2-DICHLOROPROPANE	5.341	63	250011	10.00	PPBV	#	89
57) DIBROMOMETHANE	5.302	174	361596	10.00	PPBV		97
58) ETHYL ACRYLATE	5.457	55	488921	10.00	PPBV	#	98
59) BROMODICHLOROMETHANE	5.524	83	627057	10.00	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	1099499	10.00	PPBV	#	98
61) 1,4-DIOXANE	5.589	88	198379	10.00	PPBV		89
62) HEPTANE	6.007	43	333572	10.00	PPBV		90
63) METHYL METHACRYLATE	5.894	69	298460	9.99	PPBV		99
64) METHYL ISOBUTYL KETONE	6.643	58	217813	10.00	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.547	75	427688	9.99	PPBV	#	91
66) TOLUENE	7.785	91	1075414	10.00	PPBV		98
67) 1,3-DICHLOROPROPANE	7.843	76	497838	10.00	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	378258	10.00	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.405	83	298922	10.00	PPBV		98
70) 2-HEXANONE	8.351	58	296533	10.00	PPBV		93
71) ETHYL METHACRYLATE	8.489	69	520072	10.00	PPBV		97
72) TETRACHLOROETHENE	9.547	164	441663	10.00	PPBV		98
73) DIBROMOCHLOROMETHANE	8.331	129	699521	10.00	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	637289	10.00	PPBV		99
75) OCTANE	9.685	43	469348	10.00	PPBV		92
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	505400	10.05	PPBV		99
78) CHLOROBENZENE	10.768	112	961608	10.05	PPBV		94
79) ETHYLBENZENE	11.656	91	1467847	10.05	PPBV		98
80) M,P-XYLENE	12.093	91	2415093	20.11	PPBV		99
81) O-XYLENE	13.032	91	1252258	10.05	PPBV		98
82) STYRENE	12.817	104	965419	10.05	PPBV		99
83) NONANE	14.148	43	530670	10.05	PPBV		96
84) BROMOFORM	11.907	173	706865	10.05	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.038	83	924426	10.05	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.331	75	632862	10.05	PPBV	#	100
88) ISOPROPYLBENZENE	14.556	120	539304	10.05	PPBV		99
89) BROMOBENZENE	14.427	77	796411	10.05	PPBV		87
90) 2-CHLOROTOLUENE	15.566	126	470336	10.05	PPBV		99
91) N-PROPYLBENZENE	15.900	120	545077	10.05	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	1976370	10.05	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1670543	10.05	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	920872	10.05	PPBV		100
95) TERT-BUTYLBENZENE	16.807	134	466465	10.05	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	1910440	10.05	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

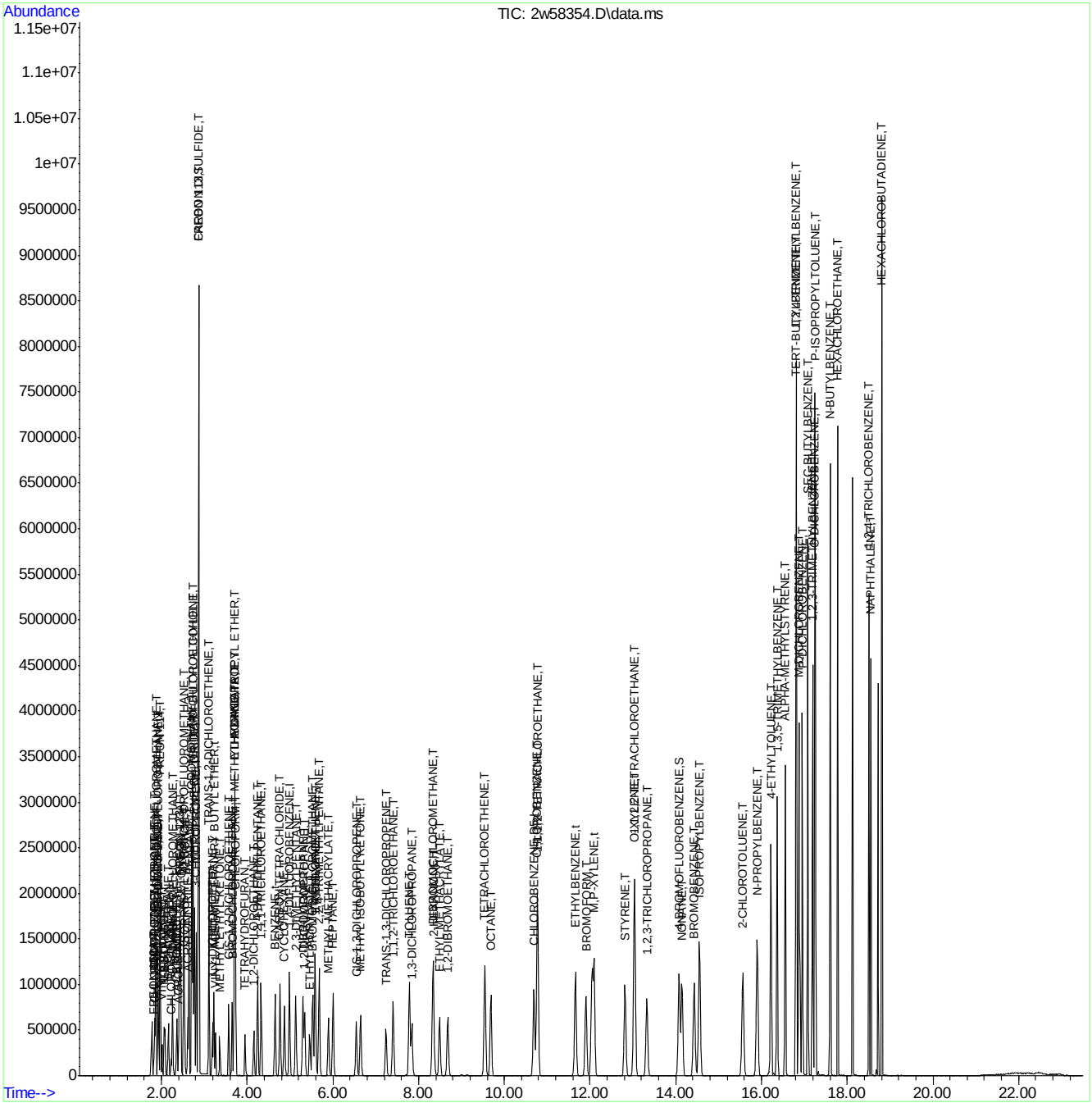
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.874	146	1259206	10.05	PPBV	99
99)	P-DICHLOROBENZENE	16.951	146	1289895	10.06	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	1280534	10.05	PPBV	100
101)	SEC-BUTYLBENZENE	17.080	134	605734	10.05	PPBV	91
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1811233	10.05	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	701857	10.05	PPBV	95
104)	N-BUTYLBENZENE	17.601	134	626538	10.05	PPBV	88
105)	HEXACHLOROETHANE	17.778	117	788592	10.05	PPBV	97
106)	HEXACHLOROBUTADIENE	18.810	225	931447	10.05	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.504	180	944010	10.04	PPBV	99
108)	NAPHTHALENE	18.553	128	2131999	10.05	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	239354	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	1230611	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1170975	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.080	95	803194	9.91	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	118396	18.43	PPBV	#	90
4) CHLORODIFLUOROMETHANE	1.836	67	67544	18.30	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.852	116	469113	18.75	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.875	85	1893725	17.87	PPBV	#	97
7) PROPYLENE	1.849	41	116615	19.74	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	1475535	17.72	PPBV		96
9) FREON 114	1.968	85	2025435	18.05	PPBV		94
10) CHLOROMETHANE	1.930	52	138332	17.40	PPBV		96
11) VINYL CHLORIDE	2.013	62	533677	17.31	PPBV		99
12) 1,3-BUTADIENE	2.065	54	363977	17.27	PPBV	#	86
13) N-BUTANE	2.084	43	610566	18.24	PPBV	#	98
14) BROMOMETHANE	2.164	94	606833	17.46	PPBV		99
15) CHLOROETHANE	2.229	64	261534	17.60	PPBV		95
16) DICHLOROFLUOROMETHANE	2.261	67	1198054	17.66	PPBV	#	98
17) ACETONITRILE	2.351	41	292840	18.51	PPBV		98
18) ACROLEIN	2.402	56	212343	18.44	PPBV		98
19) FREON 123	2.425	83	1528440	18.78	PPBV		97
20) FREON 123A	2.444	117	985641	18.96	PPBV		87
21) TRICHLOROFLUOROMETHANE	2.524	101	2334979	17.92	PPBV		100
22) ISOPROPYL ALCOHOL	2.540	45	1051000	16.71	PPBV		97
23) ACETONE	2.454	58	259733	18.81	PPBV		74
24) PENTANE	2.647	42	786564	17.09	PPBV		97
25) IODOMETHANE	2.704	142	3998669	17.57	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.733	96	1400987	17.23	PPBV		98
27) CARBON DISULFIDE	2.868	76	4391463	17.60	PPBV	#	96
28) ETHANOL	2.264	45	146769	18.20	PPBV	#	96
29) BROMOETHENE	2.364	106	622344	17.94	PPBV	#	98
30) ACRYLONITRILE	2.614	52	567941	17.12	PPBV		98
31) METHYLENE CHLORIDE	2.772	84	1246349	17.00	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	652056	17.19	PPBV		93
33) FREON 113	2.868	151	2906949	17.85	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	1080081	14.50	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.743	59	1905474	15.75	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.222	73	1526545	20.70	PPBV		100
37) TETRAHYDROFURAN	3.946	72	311936	20.52	PPBV		89
38) HEXANE	3.708	57	1009194	20.38	PPBV		93
39) VINYL ACETATE	3.264	86	177067	21.44	PPBV	#	70
40) 1,1-DICHLOROETHANE	3.190	63	839490	19.78	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	303096	20.94	PPBV		86
42) CIS-1,2-DICHLOROETHENE	3.573	96	713905	20.28	PPBV		93
43) DIISOPROPYL ETHER	3.711	59	304731	20.27	PPBV		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	225881	20.57	PPBV		90
45) METHYL ACRYLATE	3.701	55	1175879	20.62	PPBV	#	98
46) CHLOROFORM	3.730	83	1583557	20.13	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.245	57	1021353	20.76	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.328	97	1454641	21.06	PPBV		97
49) CARBON TETRACHLORIDE	4.769	117	1511281	21.10	PPBV		99
50) 1,2-DICHLOROETHANE	4.158	62	821850	19.77	PPBV		98
51) BENZENE	4.653	78	2031844	20.73	PPBV		98
53) CYCLOHEXANE	4.868	84	890089	20.59	PPBV		85
54) 2,3-DIMETHYLPENTANE	5.135	71	431247	20.28	PPBV		92
55) TRICHLOROETHENE	5.589	95	1043055	21.15	PPBV		96
56) 1,2-DICHLOROPROPANE	5.344	63	678406	21.37	PPBV	#	92
57) DIBROMOMETHANE	5.302	174	972568	21.18	PPBV		98
58) ETHYL ACRYLATE	5.460	55	1324323	21.33	PPBV	#	97
59) BROMODICHLOROMETHANE	5.527	83	1635775	20.55	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	2857485	20.47	PPBV	#	99
61) 1,4-DIOXANE	5.589	88	518805	20.60	PPBV		90
62) HEPTANE	6.007	43	850621	20.08	PPBV		89
63) METHYL METHACRYLATE	5.897	69	788256	20.78	PPBV		96
64) METHYL ISOBUTYL KETONE	6.650	58	558127	20.18	PPBV	#	93
65) CIS-1,3-DICHLOROPROPENE	6.550	75	1149434	21.16	PPBV		95
66) TOLUENE	7.788	91	2740831	20.07	PPBV		99
67) 1,3-DICHLOROPROPANE	7.846	76	1264802	20.00	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	1008046	20.99	PPBV		96
69) 1,1,2-TRICHLOROETHANE	7.408	83	768293	20.24	PPBV		97
70) 2-HEXANONE	8.351	58	755984	20.08	PPBV		96
71) ETHYL METHACRYLATE	8.492	69	1323730	20.05	PPBV		97
72) TETRACHLOROETHENE	9.550	164	1135765	20.25	PPBV		98
73) DIBROMOCHLOROMETHANE	8.334	129	1860919	20.95	PPBV		99
74) 1,2-DIBROMOETHANE	8.685	107	1623987	20.07	PPBV		100
75) OCTANE	9.688	43	1154478	19.37	PPBV	#	89
77) 1,1,1,2-TETRACHLOROETHANE	10.784	131	1286651	20.90	PPBV		99
78) CHLOROBENZENE	10.772	112	2417308	20.64	PPBV		94
79) ETHYLBENZENE	11.659	91	3661654	20.48	PPBV		98
80) M,P-XYLENE	12.096	91	5948223	40.46	PPBV		99
81) O-XYLENE	13.042	91	3076711	20.17	PPBV		99
82) STYRENE	12.820	104	2434260	20.70	PPBV		99
83) NONANE	14.151	43	1260575	19.51	PPBV		95
84) BROMOFORM	11.910	173	1867643	21.69	PPBV	#	99
85) 1,1,2,2-TETRACHLOROETHANE	13.045	83	2265138	20.12	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.331	75	1535676	19.92	PPBV	#	100
88) ISOPROPYLBENZENE	14.559	120	1326092	20.19	PPBV		95
89) BROMOBENZENE	14.434	77	1907304	19.66	PPBV		84
90) 2-CHLOROTOLUENE	15.569	126	1153866	20.13	PPBV		99
91) N-PROPYLBENZENE	15.906	120	1343524	20.24	PPBV		98
92) 4-ETHYLTOLUENE	16.225	105	4873229	20.24	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.369	105	4136402	20.32	PPBV		98
94) ALPHA-METHYLSTYRENE	16.559	118	2308396	20.58	PPBV		99
95) TERT-BUTYLBENZENE	16.810	134	1221062	21.49	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.816	105	4856341	20.87	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

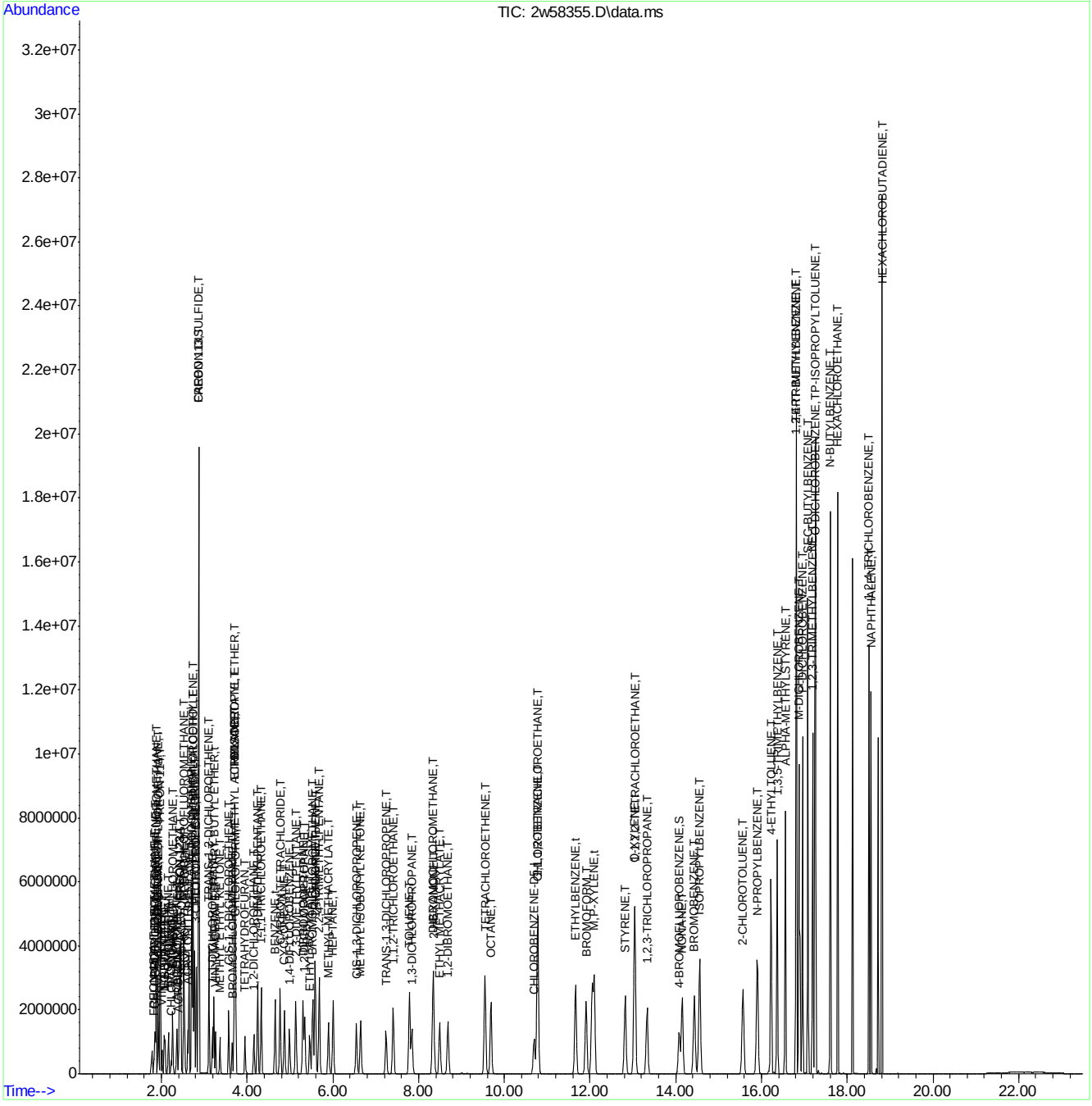
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.877	146	3274169	21.35	PPBV	98
99)	P-DICHLOROBENZENE	16.958	146	3307900	21.07	PPBV	99
100)	O-DICHLOROBENZENE	17.247	146	3355015	21.51	PPBV	99
101)	SEC-BUTYLBENZENE	17.083	134	1538631	20.85	PPBV	88
102)	1,2,3-TRIMETHYLBENZENE	17.196	105	4467441	20.25	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	1808313	21.15	PPBV	94
104)	N-BUTYLBENZENE	17.601	134	1609138	21.09	PPBV	82
105)	HEXACHLOROETHANE	17.781	117	2055935	21.41	PPBV	99
106)	HEXACHLOROBUTADIENE	18.813	225	2647267	23.33	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	2451599	21.31	PPBV	98
108)	NAPHTHALENE	18.556	128	5274178	20.31	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	201103	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	1033673	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	1011344	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	708931	11.14	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	54029	9.77	PPBV	#	88
4) CHLORODIFLUOROMETHANE	1.833	67	28805	10.01	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.852	116	196631	9.22	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	805425	9.04	PPBV	#	97
7) PROPYLENE	1.846	41	48684	8.91	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	690180	9.71	PPBV		95
9) FREON 114	1.968	85	921600	9.77	PPBV		96
10) CHLOROMETHANE	1.930	52	65325	8.83	PPBV		94
11) VINYL CHLORIDE	2.010	62	262303	9.83	PPBV		99
12) 1,3-BUTADIENE	2.061	54	177971	9.60	PPBV	#	86
13) N-BUTANE	2.084	43	283794	9.26	PPBV		98
14) BROMOMETHANE	2.164	94	288487	9.43	PPBV		100
15) CHLOROETHANE	2.229	64	131211	9.74	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	563245	9.80	PPBV	#	97
17) ACETONITRILE	2.351	41	134995	8.91	PPBV		97
18) ACROLEIN	2.406	56	99763	9.30	PPBV		97
19) FREON 123	2.425	83	718254	10.49	PPBV		95
20) FREON 123A	2.444	117	483006	11.12	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.524	101	1109272	10.38	PPBV		100
22) ISOPROPYL ALCOHOL	2.541	45	567784	9.79	PPBV		96
23) ACETONE	2.454	58	127374	9.65	PPBV		76
24) PENTANE	2.647	42	400967	9.19	PPBV		97
25) IODOMETHANE	2.708	142	1841101	9.57	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	669460	9.33	PPBV		98
27) CARBON DISULFIDE	2.869	76	1973298	9.37	PPBV	#	91
28) ETHANOL	2.264	45	77236	8.69	PPBV	#	97
29) BROMOETHENE	2.364	106	289352	9.46	PPBV	#	96
30) ACRYLONITRILE	2.618	52	282177	8.89	PPBV		97
31) METHYLENE CHLORIDE	2.772	84	598436	8.44	PPBV		96
32) 3-CHLOROPROPENE	2.811	76	324564	9.51	PPBV		94
33) FREON 113	2.869	151	1268749	9.21	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	3.106	96	591909	9.69	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.743	59	1058468	9.86	PPBV	#	76
36) METHYL TERTIARY BUTYL ...	3.222	73	626316	10.43	PPBV		99
37) TETRAHYDROFURAN	3.949	72	125187	11.23	PPBV		91
38) HEXANE	3.704	57	425941	11.73	PPBV		89
39) VINYL ACETATE	3.261	86	65372	10.81	PPBV		82
40) 1,1-DICHLOROETHANE	3.190	63	363894	10.40	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	125659	9.79	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.569	96	289250	9.72	PPBV		96
43) DIISOPROPYL ETHER	3.708	59	128103	11.28	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.711	61	91439	11.50	PPBV		96
45) METHYL ACRYLATE	3.701	55	487335	11.71	PPBV	#	97
46) CHLOROFORM	3.727	83	636684	10.41	PPBV	#	98
47) 2,4-DIMETHYLPENTANE	4.245	57	423373	10.67	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.328	97	569535	10.03	PPBV		99
49) CARBON TETRACHLORIDE	4.766	117	595905	10.67	PPBV		100
50) 1,2-DICHLOROETHANE	4.155	62	349954	10.33	PPBV		98
51) BENZENE	4.650	78	823180	10.04	PPBV		97
53) CYCLOHEXANE	4.868	84	364194	10.02	PPBV		86
54) 2,3-DIMETHYLPENTANE	5.135	71	177710	10.47	PPBV		95
55) TRICHLOROETHENE	5.582	95	405458	10.39	PPBV		98
56) 1,2-DICHLOROPROPANE	5.344	63	275737	10.59	PPBV	#	91
57) DIBROMOMETHANE	5.299	174	359095	8.88	PPBV		93
58) ETHYL ACRYLATE	5.457	55	540816	11.42	PPBV		98
59) BROMODICHLOROMETHANE	5.524	83	654543	10.83	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1183653	10.83	PPBV	#	99
61) 1,4-DIOXANE	5.585	88	197821	8.91	PPBV		91
62) HEPTANE	6.003	43	356147	11.05	PPBV		90
63) METHYL METHACRYLATE	5.897	69	317363	11.30	PPBV		98
64) METHYL ISOBUTYL KETONE	6.643	58	235355	11.37	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.547	75	501024	12.01	PPBV	#	91
66) TOLUENE	7.785	91	1108587	10.75	PPBV		99
67) 1,3-DICHLOROPROPANE	7.839	76	522437	10.91	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	418431	11.91	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.402	83	311104	10.12	PPBV		99
70) 2-HEXANONE	8.347	58	326904	11.52	PPBV		93
71) ETHYL METHACRYLATE	8.486	69	548532	11.94	PPBV		97
72) TETRACHLOROETHENE	9.543	164	447352	10.19	PPBV		98
73) DIBROMOCHLOROMETHANE	8.328	129	728469	11.15	PPBV		99
74) 1,2-DIBROMOETHANE	8.679	107	662186	11.74	PPBV		100
75) OCTANE	9.685	43	511467	11.40	PPBV		93
77) 1,1,1,2-TETRACHLOROETHANE	10.781	131	527157	10.84	PPBV		99
78) CHLOROBENZENE	10.769	112	996899	10.24	PPBV		96
79) ETHYLBENZENE	11.656	91	1554406	10.65	PPBV		99
80) M,P-XYLENE	12.090	91	2565768	22.65	PPBV		100
81) O-XYLENE	13.032	91	1322972	11.40	PPBV		99
82) STYRENE	12.817	104	1012905	11.41	PPBV		99
83) NONANE	14.141	43	582135	10.76	PPBV		96
84) BROMOFORM	11.900	173	757173	11.36	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	978582	11.22	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.325	75	666618	11.09	PPBV	#	100
88) ISOPROPYLBENZENE	14.553	120	554272	11.21	PPBV		100
89) BROMOBENZENE	14.431	77	833266	11.09	PPBV		90
90) 2-CHLOROTOLUENE	15.563	126	473325	10.77	PPBV		100
91) N-PROPYLBENZENE	15.903	120	556408	11.06	PPBV		99
92) 4-ETHYLTOLUENE	16.222	105	2067838	11.92	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1769423	12.37	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	928111	12.22	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	479855	11.83	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	2008340	12.89	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

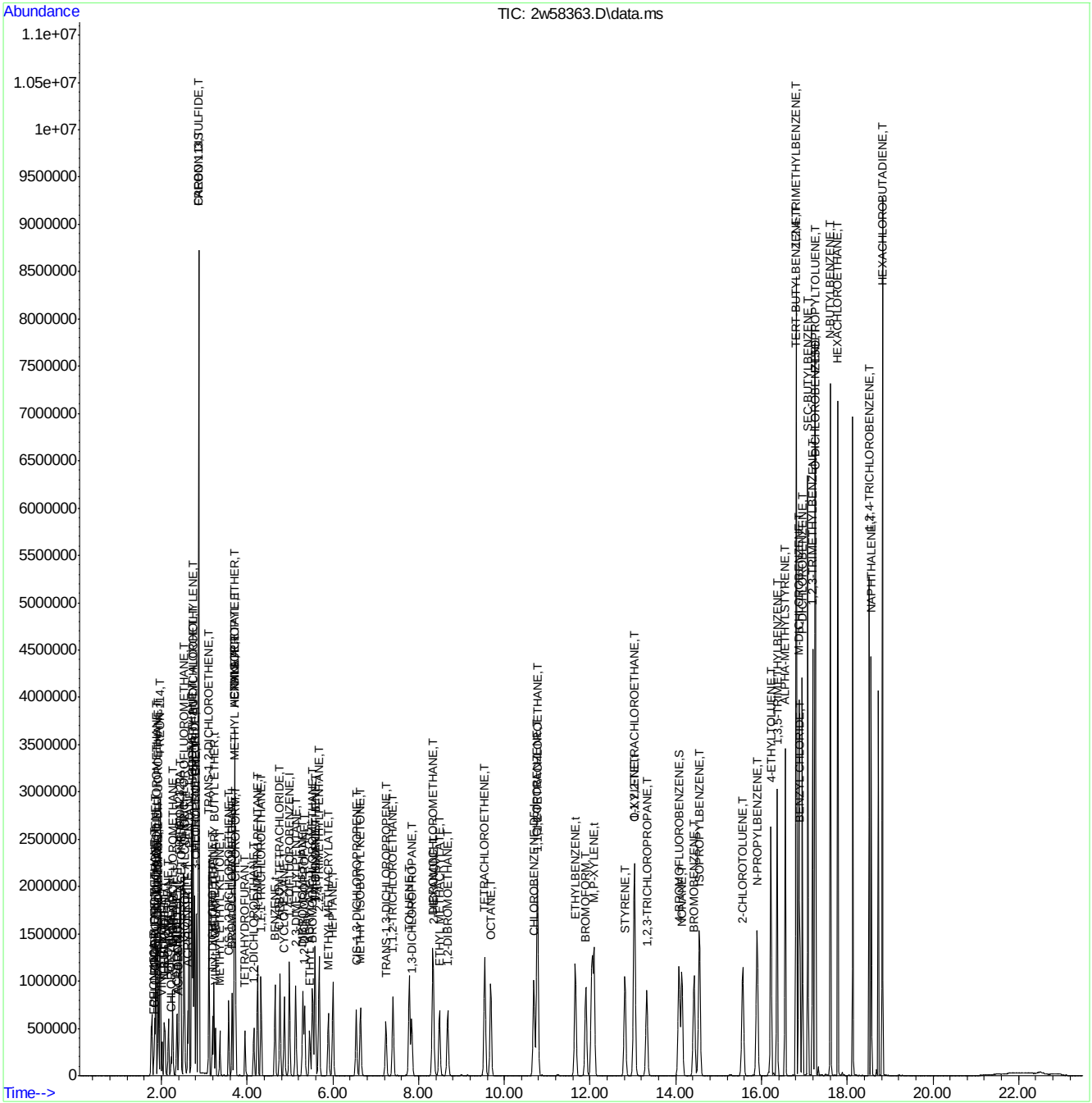
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	1110740	23.03	PPBV	98
98)	M-DICHLOROBENZENE	16.874	146	1300768	12.37	PPBV	100
99)	P-DICHLOROBENZENE	16.955	146	1322362	12.50	PPBV	100
100)	O-DICHLOROBENZENE	17.247	146	1329301	12.51	PPBV	100
101)	SEC-BUTYLBENZENE	17.083	134	621144	12.38	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1907975	12.94	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.260	134	719593	12.37	PPBV	94
104)	N-BUTYLBENZENE	17.604	134	646730	12.43	PPBV	92
105)	HEXACHLOROETHANE	17.781	117	874470	12.69	PPBV	96
106)	HEXACHLOROBUTADIENE	18.823	225	915153	10.95	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.514	180	955092	11.86	PPBV	99
108)	NAPHTHALENE	18.562	128	2036361	10.60	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58365.D
Acq On : 19 Mar 2022 1:06 pm
Operator : thomash
Sample : cc2599-10
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:42 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	196523	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	1023905	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1026540	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.080	95	707995	10.96	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	50858	9.41	PPBV		92
4) CHLORODIFLUOROMETHANE	1.833	67	27760	9.87	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	187823	9.01	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.872	85	815173	9.36	PPBV	#	96
7) PROPYLENE	1.846	41	46047	8.63	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	665069	9.58	PPBV		96
9) FREON 114	1.965	85	876716	9.52	PPBV		95
10) CHLOROMETHANE	1.930	52	64942	8.99	PPBV		98
11) VINYL CHLORIDE	2.010	62	250973	9.63	PPBV		99
12) 1,3-BUTADIENE	2.062	54	168595	9.30	PPBV	#	85
13) N-BUTANE	2.081	43	278021	9.29	PPBV		98
14) BROMOMETHANE	2.161	94	272977	9.13	PPBV		98
15) CHLOROETHANE	2.226	64	120872	9.18	PPBV		96
16) DICHLOROFLUOROMETHANE	2.261	67	542366	9.65	PPBV	#	98
17) ACETONITRILE	2.354	41	134676	9.10	PPBV		98
18) ACROLEIN	2.402	56	96996	9.25	PPBV		98
19) FREON 123	2.422	83	664623	9.93	PPBV		96
20) FREON 123A	2.444	117	419965	9.89	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.521	101	1056394	10.11	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	546872	9.65	PPBV		96
23) ACETONE	2.454	58	119886	9.29	PPBV		75
24) PENTANE	2.644	42	387028	9.07	PPBV		97
25) IODOMETHANE	2.705	142	1776238	9.45	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.730	96	647240	9.23	PPBV		98
27) CARBON DISULFIDE	2.865	76	2033039	9.88	PPBV	#	92
28) ETHANOL	2.264	45	69212	7.97	PPBV	#	96
29) BROMOETHENE	2.361	106	274392	9.18	PPBV	#	98
30) ACRYLONITRILE	2.615	52	278867	8.99	PPBV		97
31) METHYLENE CHLORIDE	2.769	84	591483	8.53	PPBV		97
32) 3-CHLOROPROPENE	2.811	76	307748	9.22	PPBV		94
33) FREON 113	2.865	151	1263263	9.38	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	3.107	96	625091	10.48	PPBV		94
35) TERTIARY BUTYL ALCOHOL	2.740	59	1004246	9.58	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.219	73	599742	10.22	PPBV		99
37) TETRAHYDROFURAN	3.943	72	127176	11.68	PPBV		90
38) HEXANE	3.705	57	409882	11.55	PPBV		89
39) VINYL ACETATE	3.261	86	65079	11.01	PPBV		77
40) 1,1-DICHLOROETHANE	3.187	63	345437	10.10	PPBV		97
41) METHYL ETHYL KETONE	3.361	72	117729	9.38	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.570	96	278311	9.57	PPBV		96
43) DIISOPROPYL ETHER	3.708	59	124112	11.19	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58365.D
Acq On : 19 Mar 2022 1:06 pm
Operator : thomash
Sample : cc2599-10
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:42 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.711	61	89853	11.57	PPBV		99
45)	METHYL ACRYLATE	3.698	55	475094	11.68	PPBV	#	98
46)	CHLOROFORM	3.727	83	643520	10.76	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.242	57	417187	10.76	PPBV		95
48)	1,1,1-TRICHLOROETHANE	4.325	97	566693	10.21	PPBV		99
49)	CARBON TETRACHLORIDE	4.766	117	576816	10.57	PPBV		99
50)	1,2-DICHLOROETHANE	4.155	62	340366	10.28	PPBV		98
51)	BENZENE	4.650	78	798503	9.97	PPBV		98
53)	CYCLOHEXANE	4.869	84	350967	9.75	PPBV		86
54)	2,3-DIMETHYLPENTANE	5.132	71	172210	10.25	PPBV		93
55)	TRICHLOROETHENE	5.582	95	403114	10.43	PPBV		97
56)	1,2-DICHLOROPROPANE	5.341	63	270835	10.50	PPBV	#	92
57)	DIBROMOMETHANE	5.296	174	366412	9.15	PPBV		96
58)	ETHYL ACRYLATE	5.457	55	531599	11.33	PPBV		98
59)	BROMODICHLOROMETHANE	5.528	83	646702	10.81	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.679	57	1161448	10.72	PPBV	#	99
61)	1,4-DIOXANE	5.589	88	207675	9.44	PPBV		91
62)	HEPTANE	6.004	43	352974	11.06	PPBV		91
63)	METHYL METHACRYLATE	5.891	69	314521	11.30	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.650	58	233940	11.41	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	456809	11.06	PPBV	#	91
66)	TOLUENE	7.785	91	1114713	10.91	PPBV		98
67)	1,3-DICHLOROPROPANE	7.843	76	522711	11.02	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	410406	11.79	PPBV	#	93
69)	1,1,2-TRICHLOROETHANE	7.402	83	311760	10.24	PPBV		97
70)	2-HEXANONE	8.348	58	318396	11.33	PPBV		95
71)	ETHYL METHACRYLATE	8.486	69	545900	12.00	PPBV		97
72)	TETRACHLOROETHENE	9.547	164	446016	10.25	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.331	129	726991	11.23	PPBV		99
74)	1,2-DIBROMOETHANE	8.679	107	652248	11.68	PPBV		99
75)	OCTANE	9.685	43	498211	11.21	PPBV		92
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	523099	10.60	PPBV		99
78)	CHLOROBENZENE	10.772	112	983934	9.96	PPBV		96
79)	ETHYLBENZENE	11.656	91	1527588	10.32	PPBV		99
80)	M,P-XYLENE	12.093	91	2503734	21.77	PPBV		99
81)	O-XYLENE	13.035	91	1292439	10.98	PPBV		99
82)	STYRENE	12.817	104	996438	11.06	PPBV		99
83)	NONANE	14.148	43	568115	10.34	PPBV		95
84)	BROMOFORM	11.907	173	726649	10.74	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.039	83	957421	10.82	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	13.325	75	656287	10.75	PPBV	#	100
88)	ISOPROPYLBENZENE	14.553	120	546614	10.89	PPBV		99
89)	BROMOBENZENE	14.428	77	820143	10.76	PPBV		89
90)	2-CHLOROTOLUENE	15.563	126	476574	10.69	PPBV		100
91)	N-PROPYLBENZENE	15.897	120	555092	10.87	PPBV		98
92)	4-ETHYLTOLUENE	16.222	105	2020204	11.47	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	16.366	105	1727853	11.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.556	118	931430	12.08	PPBV		99
95)	TERT-BUTYLBENZENE	16.807	134	478375	11.62	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.817	105	1954430	12.36	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58365.D
Acq On : 19 Mar 2022 1:06 pm
Operator : thomash
Sample : cc2599-10
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:42 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

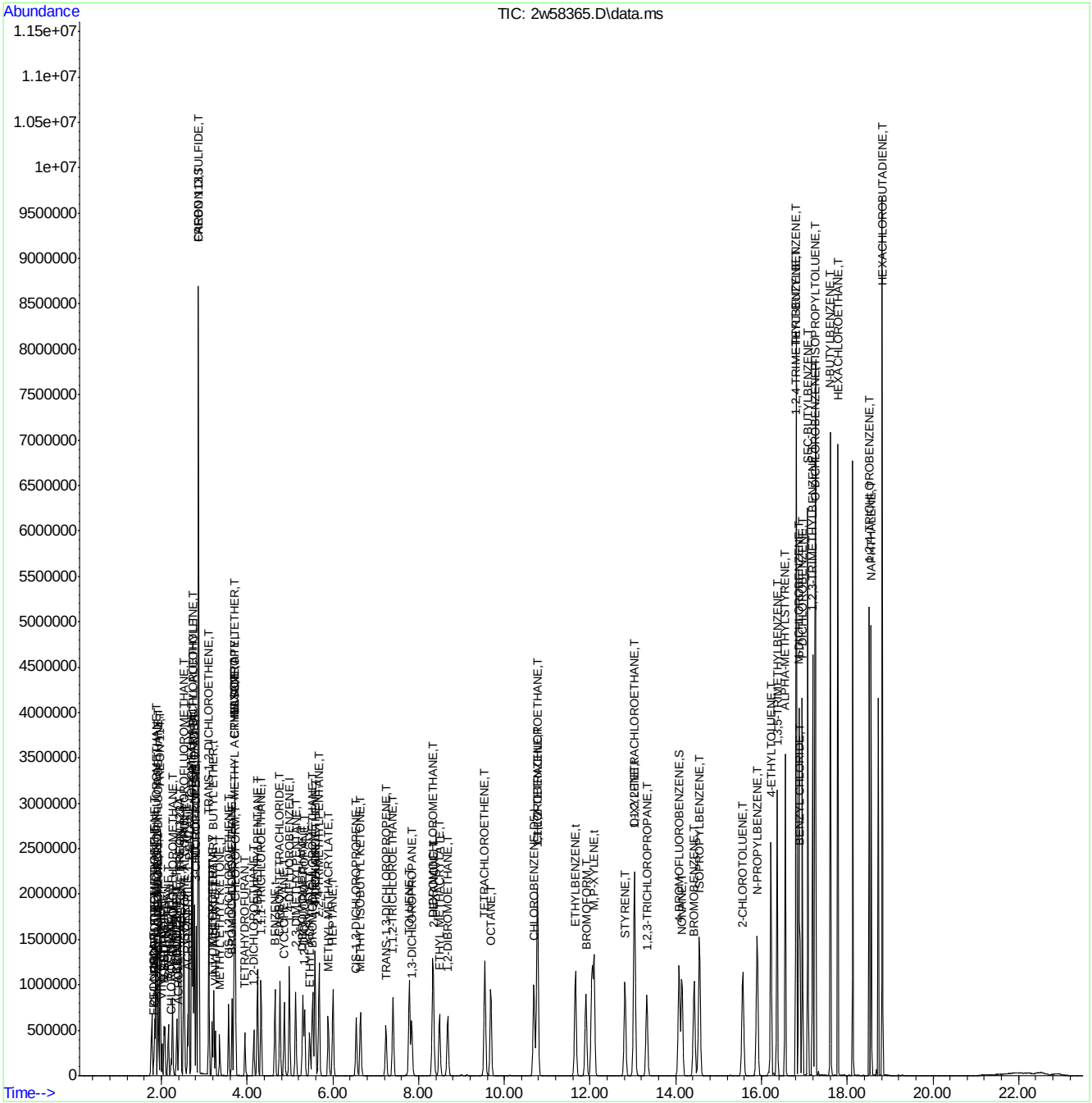
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1086337	22.19	PPBV	98
98) M-DICHLOROBENZENE	16.874	146	1272883	11.93	PPBV	100
99) P-DICHLOROBENZENE	16.958	146	1293098	12.04	PPBV	100
100) O-DICHLOROBENZENE	17.247	146	1293712	12.00	PPBV	99
101) SEC-BUTYLBENZENE	17.083	134	615560	12.09	PPBV	92
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1869419	12.49	PPBV	98
103) P-ISOPROPYLTOLUENE	17.260	134	715136	12.11	PPBV	95
104) N-BUTYLBENZENE	17.604	134	635007	12.03	PPBV	89
105) HEXACHLOROETHANE	17.784	117	816921	11.68	PPBV	97
106) HEXACHLOROBUTADIENE	18.823	225	914990	10.78	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.514	180	932677	11.41	PPBV	99
108) NAPHTHALENE	18.563	128	2099977	10.77	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58365.D
Acq On : 19 Mar 2022 1:06 pm
Operator : thomash
Sample : cc2599-10
Misc : MS57148,V2w2600,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 09:07:42 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	176836	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	944897	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	913047	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	644919	11.23	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	54742	11.26	PPBV		93
4) CHLORODIFLUOROMETHANE	1.833	67	28646	11.32	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	187999	10.02	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	826911	10.55	PPBV	#	96
7) PROPYLENE	1.846	41	47746	9.94	PPBV		92
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	668640	10.70	PPBV		94
9) FREON 114	1.965	85	885424	10.68	PPBV		98
10) CHLOROMETHANE	1.926	52	66978	10.30	PPBV		99
11) VINYL CHLORIDE	2.010	62	258161	11.01	PPBV		99
12) 1,3-BUTADIENE	2.062	54	175297	10.75	PPBV	#	86
13) N-BUTANE	2.081	43	281829	10.46	PPBV	#	97
14) BROMOMETHANE	2.161	94	269083	10.00	PPBV		98
15) CHLOROETHANE	2.222	64	124758	10.53	PPBV	#	85
16) DICHLOROFLUOROMETHANE	2.258	67	553808	10.95	PPBV	#	98
17) ACETONITRILE	2.344	41	136377	10.24	PPBV		97
18) ACROLEIN	2.396	56	95430	10.11	PPBV		99
19) FREON 123	2.415	83	649198	10.78	PPBV		97
20) FREON 123A	2.441	117	390691	10.23	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.518	101	958441	10.20	PPBV		99
22) ISOPROPYL ALCOHOL	2.534	45	551372	10.81	PPBV		96
23) ACETONE	2.447	58	117936	10.16	PPBV		75
24) PENTANE	2.640	42	382440	9.96	PPBV		97
25) IODOMETHANE	2.701	142	1625288	9.61	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.730	96	613339	9.72	PPBV		94
27) CARBON DISULFIDE	2.865	76	2001802	10.81	PPBV	#	91
28) ETHANOL	2.261	45	71513	9.15	PPBV	#	97
29) BROMOETHENE	2.357	106	268066	9.97	PPBV	#	98
30) ACRYLONITRILE	2.611	52	277913	9.96	PPBV		97
31) METHYLENE CHLORIDE	2.766	84	573524	9.19	PPBV		94
32) 3-CHLOROPROPENE	2.807	76	303253	10.10	PPBV		91
33) FREON 113	2.865	151	1160571	9.58	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	3.103	96	569338	10.60	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.737	59	1060569	11.24	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.219	73	562029	10.65	PPBV		99
37) TETRAHYDROFURAN	3.942	72	117603	12.00	PPBV		92
38) HEXANE	3.701	57	391819	12.27	PPBV		89
39) VINYL ACETATE	3.261	86	62476	11.74	PPBV		79
40) 1,1-DICHLOROETHANE	3.187	63	330841	10.76	PPBV		99
41) METHYL ETHYL KETONE	3.357	72	112940	10.00	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.569	96	254470	9.73	PPBV		98
43) DIISOPROPYL ETHER	3.705	59	116321	11.65	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.708	61	85813	12.28	PPBV		99
45) METHYL ACRYLATE	3.698	55	452960	12.38	PPBV	#	98
46) CHLOROFORM	3.724	83	594332	11.05	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.241	57	389041	11.15	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.322	97	524264	10.50	PPBV		99
49) CARBON TETRACHLORIDE	4.762	117	538765	10.97	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	317546	10.66	PPBV	#	98
51) BENZENE	4.647	78	751347	10.43	PPBV		97
53) CYCLOHEXANE	4.865	84	328297	9.88	PPBV		87
54) 2,3-DIMETHYLPENTANE	5.129	71	162945	10.50	PPBV		95
55) TRICHLOROETHENE	5.579	95	361735	10.14	PPBV		99
56) 1,2-DICHLOROPROPANE	5.335	63	257802	10.83	PPBV		93
57) DIBROMOMETHANE	5.296	174	328736	8.89	PPBV		93
58) ETHYL ACRYLATE	5.454	55	504521	11.65	PPBV		98
59) BROMODICHLOROMETHANE	5.521	83	606757	10.99	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1090285	10.91	PPBV		99
61) 1,4-DIOXANE	5.585	88	192102	9.46	PPBV		91
62) HEPTANE	6.000	43	330873	11.23	PPBV		93
63) METHYL METHACRYLATE	5.888	69	290717	11.32	PPBV		97
64) METHYL ISOBUTYL KETONE	6.643	58	214708	11.35	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.544	75	425766	11.17	PPBV	#	90
66) TOLUENE	7.782	91	1001204	10.62	PPBV		98
67) 1,3-DICHLOROPROPANE	7.839	76	476585	10.88	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	371760	11.57	PPBV	#	91
69) 1,1,2-TRICHLOROETHANE	7.399	83	284708	10.14	PPBV		98
70) 2-HEXANONE	8.344	58	296408	11.43	PPBV		92
71) ETHYL METHACRYLATE	8.486	69	507946	12.09	PPBV		96
72) TETRACHLOROETHENE	9.544	164	388744	9.68	PPBV		98
73) DIBROMOCHLOROMETHANE	8.328	129	642425	10.75	PPBV		100
74) 1,2-DIBROMOETHANE	8.675	107	586744	11.38	PPBV		100
75) OCTANE	9.682	43	464709	11.33	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	462627	10.54	PPBV		96
78) CHLOROBENZENE	10.765	112	884974	10.07	PPBV		96
79) ETHYLBENZENE	11.656	91	1380009	10.48	PPBV		100
80) M,P-XYLENE	12.087	91	2280948	22.30	PPBV		99
81) O-XYLENE	13.029	91	1194918	11.41	PPBV		98
82) STYRENE	12.813	104	898873	11.22	PPBV		99
83) NONANE	14.145	43	546610	11.19	PPBV		96
84) BROMOFORM	11.900	173	637221	10.59	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	891887	11.33	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.322	75	609758	11.23	PPBV	#	100
88) ISOPROPYLBENZENE	14.550	120	489171	10.96	PPBV		97
89) BROMOBENZENE	14.424	77	762596	11.24	PPBV		94
90) 2-CHLOROTOLUENE	15.559	126	420306	10.60	PPBV		99
91) N-PROPYLBENZENE	15.897	120	494111	10.88	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	1828772	11.68	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1545925	11.97	PPBV		100
94) ALPHA-METHYLSTYRENE	16.553	118	842260	12.28	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	425911	11.63	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	1783275	12.68	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

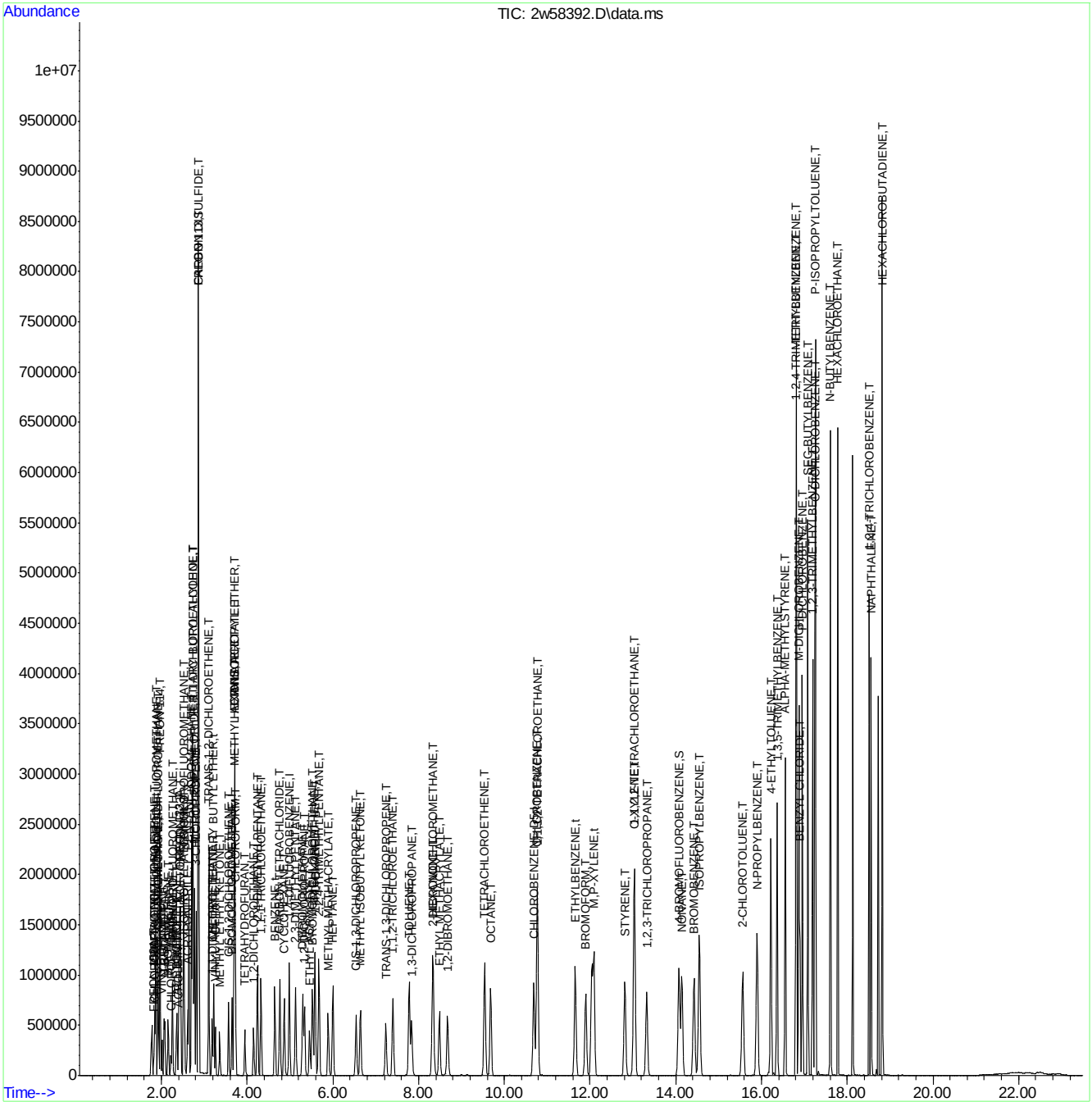
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1005946	23.10	PPBV	99
98) M-DICHLOROBENZENE	16.874	146	1142104	12.03	PPBV	100
99) P-DICHLOROBENZENE	16.955	146	1168403	12.23	PPBV	100
100) O-DICHLOROBENZENE	17.247	146	1177716	12.28	PPBV	99
101) SEC-BUTYLBENZENE	17.083	134	550295	12.15	PPBV	97
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1718439	12.91	PPBV	99
103) P-ISOPROPYLTOLUENE	17.257	134	643369	12.25	PPBV	97
104) N-BUTYLBENZENE	17.601	134	576036	12.27	PPBV	95
105) HEXACHLOROETHANE	17.781	117	773157	12.43	PPBV	95
106) HEXACHLOROBUTADIENE	18.820	225	821577	10.88	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.511	180	831504	11.44	PPBV	99
108) NAPHTHALENE	18.562	128	1935784	11.16	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58423.D
Acq On : 22 Mar 2022 8:46 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:12 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	150230	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	806848	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	766526	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	539246	11.18	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	47279	11.44	PPBV	#	90
4) CHLORODIFLUOROMETHANE	1.836	67	23355	10.87	PPBV		94
5) CHLOROTRIFLUOROETHENE	1.849	116	157659	9.89	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.872	85	705972	10.60	PPBV	#	97
7) PROPYLENE	1.849	41	44984	11.03	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	588517	11.09	PPBV		94
9) FREON 114	1.965	85	789010	11.20	PPBV		98
10) CHLOROMETHANE	1.926	52	63346	11.47	PPBV		99
11) VINYL CHLORIDE	2.010	62	236606	11.87	PPBV		99
12) 1,3-BUTADIENE	2.061	54	162449	11.73	PPBV		88
13) N-BUTANE	2.081	43	258091	11.28	PPBV		98
14) BROMOMETHANE	2.161	94	237098	10.37	PPBV		99
15) CHLOROETHANE	2.225	64	111822	11.11	PPBV		95
16) DICHLOROFLUOROMETHANE	2.258	67	483372	11.25	PPBV	#	98
17) ACETONITRILE	2.348	41	121937	10.78	PPBV		98
18) ACROLEIN	2.399	56	85692	10.69	PPBV		100
19) FREON 123	2.418	83	572018	11.18	PPBV		98
20) FREON 123A	2.441	117	336602	10.37	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.518	101	843477	10.56	PPBV		100
22) ISOPROPYL ALCOHOL	2.534	45	515604	11.90	PPBV		96
23) ACETONE	2.447	58	110337	11.19	PPBV		76
24) PENTANE	2.640	42	376034	11.53	PPBV		96
25) IODOMETHANE	2.701	142	1388536	9.67	PPBV		93
26) 1,1-DICHLOROETHYLENE	2.727	96	567559	10.58	PPBV		90
27) CARBON DISULFIDE	2.865	76	1897730	12.07	PPBV	#	91
28) ETHANOL	2.261	45	62374	9.39	PPBV	#	97
29) BROMOETHENE	2.357	106	225840	9.89	PPBV	#	98
30) ACRYLONITRILE	2.611	52	263677	11.13	PPBV		98
31) METHYLENE CHLORIDE	2.766	84	534104	10.08	PPBV		90
32) 3-CHLOROPROPENE	2.807	76	280064	10.98	PPBV	#	83
33) FREON 113	2.865	151	999167	9.71	PPBV		87
34) TRANS-1,2-DICHLOROETHENE	3.103	96	483774	10.61	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.737	59	941085	11.74	PPBV	#	81
36) METHYL TERTIARY BUTYL ...	3.219	73	466773	10.41	PPBV		99
37) TETRAHYDROFURAN	3.942	72	104562	12.56	PPBV		93
38) HEXANE	3.701	57	334387	12.33	PPBV	#	87
39) VINYL ACETATE	3.261	86	50764	11.23	PPBV		90
40) 1,1-DICHLOROETHANE	3.184	63	287295	10.99	PPBV		99
41) METHYL ETHYL KETONE	3.357	72	98456	10.27	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.566	96	220107	9.91	PPBV		99
43) DIISOPROPYL ETHER	3.704	59	99601	11.75	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58423.D
Acq On : 22 Mar 2022 8:46 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:12 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.711	61	73490	12.38	PPBV		94
45) METHYL ACRYLATE	3.695	55	390169	12.55	PPBV	#	97
46) CHLOROFORM	3.724	83	495063	10.83	PPBV	#	97
47) 2,4-DIMETHYLPENTANE	4.241	57	349534	11.79	PPBV		98
48) 1,1,1-TRICHLOROETHANE	4.322	97	422777	9.97	PPBV		97
49) CARBON TETRACHLORIDE	4.762	117	436078	10.45	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	273375	10.80	PPBV	#	97
51) BENZENE	4.647	78	646261	10.56	PPBV		97
53) CYCLOHEXANE	4.865	84	286947	10.11	PPBV		89
54) 2,3-DIMETHYLPENTANE	5.129	71	144046	10.88	PPBV		97
55) TRICHLOROETHENE	5.579	95	308529	10.13	PPBV		98
56) 1,2-DICHLOROPROPANE	5.338	63	225962	11.12	PPBV		95
57) DIBROMOMETHANE	5.296	174	263794	8.36	PPBV		88
58) ETHYL ACRYLATE	5.457	55	438531	11.86	PPBV		98
59) BROMODICHLOROMETHANE	5.521	83	513836	10.90	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.675	57	957994	11.22	PPBV		99
61) 1,4-DIOXANE	5.589	88	159743	9.22	PPBV		92
62) HEPTANE	6.000	43	290302	11.54	PPBV		93
63) METHYL METHACRYLATE	5.891	69	254364	11.60	PPBV		97
64) METHYL ISOBUTYL KETONE	6.640	58	189583	11.73	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	6.544	75	362636	11.14	PPBV	#	90
66) TOLUENE	7.782	91	850187	10.56	PPBV		99
67) 1,3-DICHLOROPROPANE	7.836	76	416080	11.13	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	310285	11.31	PPBV	#	90
69) 1,1,2-TRICHLOROETHANE	7.405	83	247133	10.30	PPBV		99
70) 2-HEXANONE	8.347	58	256146	11.56	PPBV		91
71) ETHYL METHACRYLATE	8.486	69	436386	12.17	PPBV		96
72) TETRACHLOROETHENE	9.540	164	317396	9.26	PPBV		95
73) DIBROMOCHLOROMETHANE	8.328	129	533691	10.46	PPBV		100
74) 1,2-DIBROMOETHANE	8.679	107	480391	10.91	PPBV		100
75) OCTANE	9.682	43	407022	11.62	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	374127	10.15	PPBV		96
78) CHLOROBENZENE	10.765	112	738519	10.01	PPBV		97
79) ETHYLBENZENE	11.656	91	1172155	10.60	PPBV		100
80) M,P-XYLENE	12.087	91	1958461	22.81	PPBV		99
81) O-XYLENE	13.032	91	1038946	11.82	PPBV		98
82) STYRENE	12.813	104	763163	11.34	PPBV		99
83) NONANE	14.141	43	503220	12.27	PPBV		95
84) BROMOFORM	11.904	173	518970	10.27	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	796405	12.05	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	13.321	75	530924	11.65	PPBV	#	100
88) ISOPROPYLBENZENE	14.553	120	427601	11.41	PPBV		95
89) BROMOBENZENE	14.428	77	668865	11.75	PPBV		97
90) 2-CHLOROTOLUENE	15.563	126	361626	10.86	PPBV		99
91) N-PROPYLBENZENE	15.900	120	431625	11.32	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	1625895	12.37	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.363	105	1390173	12.82	PPBV		98
94) ALPHA-METHYLSTYRENE	16.556	118	751215	13.05	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	376305	12.24	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	1631281	13.81	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58423.D
Acq On : 22 Mar 2022 8:46 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:12 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

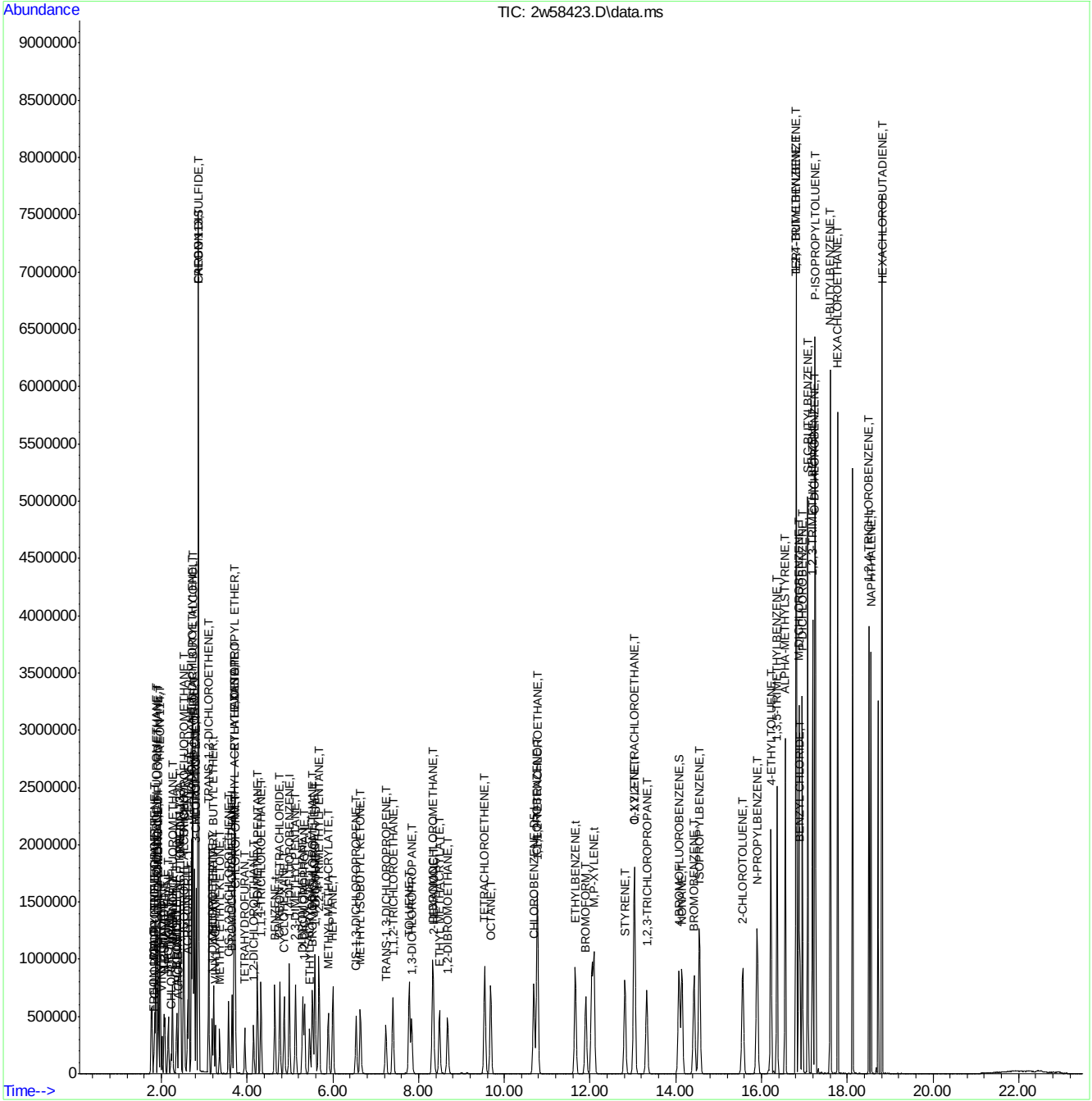
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	810590	22.17	PPBV	100
98)	M-DICHLOROBENZENE	16.874	146	994354	12.48	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	999470	12.46	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	1033152	12.83	PPBV	99
101)	SEC-BUTYLBENZENE	17.083	134	493283	12.97	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1537528	13.76	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.257	134	575963	13.06	PPBV	99
104)	N-BUTYLBENZENE	17.601	134	509362	12.92	PPBV	98
105)	HEXACHLOROETHANE	17.778	117	677814	12.98	PPBV	94
106)	HEXACHLOROBUTADIENE	18.813	225	674961	10.65	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	687336	11.26	PPBV	98
108)	NAPHTHALENE	18.556	128	1594165	10.95	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58423.D
Acq On : 22 Mar 2022 8:46 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2602,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 22 14:19:12 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58454.D
Acq On : 23 Mar 2022 8:57 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:30:59 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	150253	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	812130	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	739118	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	514037	11.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	53697	12.99	PPBV	#	90
4) CHLORODIFLUOROMETHANE	1.833	67	26891	12.51	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.853	116	165259	10.37	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.872	85	750821	11.28	PPBV	#	97
7) PROPYLENE	1.849	41	49763	12.20	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	624919	11.77	PPBV		94
9) FREON 114	1.968	85	836693	11.88	PPBV		97
10) CHLOROMETHANE	1.930	52	68814	12.45	PPBV		96
11) VINYL CHLORIDE	2.010	62	259993	13.05	PPBV		99
12) 1,3-BUTADIENE	2.062	54	174420	12.59	PPBV		87
13) N-BUTANE	2.081	43	288926	12.62	PPBV		98
14) BROMOMETHANE	2.161	94	245199	10.73	PPBV		99
15) CHLOROETHANE	2.225	64	120417	11.96	PPBV		95
16) DICHLOROFLUOROMETHANE	2.258	67	517940	12.06	PPBV	#	98
17) ACETONITRILE	2.348	41	136486	12.06	PPBV		98
18) ACROLEIN	2.399	56	93968	11.72	PPBV		97
19) FREON 123	2.418	83	596811	11.67	PPBV		98
20) FREON 123A	2.441	117	337752	10.41	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.521	101	834255	10.45	PPBV		99
22) ISOPROPYL ALCOHOL	2.537	45	560414	12.94	PPBV		97
23) ACETONE	2.447	58	118038	11.96	PPBV		76
24) PENTANE	2.643	42	410006	12.57	PPBV		98
25) IODOMETHANE	2.705	142	1362182	9.48	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.733	96	573524	10.69	PPBV		85
27) CARBON DISULFIDE	2.869	76	1999100	12.71	PPBV	#	92
28) ETHANOL	2.261	45	71713	10.80	PPBV	#	98
29) BROMOETHENE	2.357	106	235345	10.30	PPBV	#	98
30) ACRYLONITRILE	2.615	52	280454	11.83	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	577529	10.90	PPBV	#	87
32) 3-CHLOROPROPENE	2.811	76	294280	11.54	PPBV	#	78
33) FREON 113	2.869	151	982810	9.55	PPBV		84
34) TRANS-1,2-DICHLOROETHENE	3.106	96	539626	11.83	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.740	59	1032280	12.88	PPBV	#	83
36) METHYL TERTIARY BUTYL ...	3.222	73	486331	10.84	PPBV		99
37) TETRAHYDROFURAN	3.946	72	108797	13.07	PPBV		96
38) HEXANE	3.705	57	369897	13.63	PPBV		88
39) VINYL ACETATE	3.261	86	55025	12.17	PPBV		96
40) 1,1-DICHLOROETHANE	3.190	63	305815	11.70	PPBV		99
41) METHYL ETHYL KETONE	3.360	72	104319	10.87	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.569	96	226492	10.19	PPBV		98
43) DIISOPROPYL ETHER	3.708	59	106877	12.60	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58454.D
Acq On : 23 Mar 2022 8:57 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:30:59 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.711	61	77955	13.13	PPBV		88
45)	METHYL ACRYLATE	3.701	55	428487	13.78	PPBV	#	97
46)	CHLOROFORM	3.727	83	508089	11.12	PPBV	#	97
47)	2,4-DIMETHYLPENTANE	4.241	57	371047	12.51	PPBV		98
48)	1,1,1-TRICHLOROETHANE	4.325	97	436838	10.30	PPBV		97
49)	CARBON TETRACHLORIDE	4.766	117	437281	10.48	PPBV		99
50)	1,2-DICHLOROETHANE	4.151	62	287960	11.37	PPBV	#	97
51)	BENZENE	4.650	78	685084	11.19	PPBV		98
53)	CYCLOHEXANE	4.865	84	295486	10.35	PPBV		91
54)	2,3-DIMETHYLPENTANE	5.132	71	150215	11.27	PPBV		100
55)	TRICHLOROETHENE	5.579	95	313195	10.21	PPBV		97
56)	1,2-DICHLOROPROPANE	5.338	63	240614	11.76	PPBV		96
57)	DIBROMOMETHANE	5.299	174	250152	7.87	PPBV	#	82
58)	ETHYL ACRYLATE	5.457	55	477852	12.84	PPBV		98
59)	BROMODICHLOROMETHANE	5.524	83	522601	11.01	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.676	57	1022429	11.90	PPBV		100
61)	1,4-DIOXANE	5.585	88	168988	9.69	PPBV	#	93
62)	HEPTANE	6.000	43	314091	12.40	PPBV		95
63)	METHYL METHACRYLATE	5.891	69	266598	12.08	PPBV		94
64)	METHYL ISOBUTYL KETONE	6.647	58	200138	12.31	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	375074	11.45	PPBV	#	89
66)	TOLUENE	7.782	91	862608	10.64	PPBV		98
67)	1,3-DICHLOROPROPANE	7.839	76	427755	11.37	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	7.235	75	324539	11.75	PPBV	#	89
69)	1,1,2-TRICHLOROETHANE	7.402	83	254988	10.56	PPBV		98
70)	2-HEXANONE	8.347	58	271125	12.16	PPBV		90
71)	ETHYL METHACRYLATE	8.482	69	449559	12.45	PPBV		96
72)	TETRACHLOROETHENE	9.540	164	309197	8.96	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.331	129	518470	10.10	PPBV		100
74)	1,2-DIBROMOETHANE	8.679	107	473428	10.68	PPBV		100
75)	OCTANE	9.679	43	425867	12.08	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.775	131	363574	10.23	PPBV		94
78)	CHLOROBENZENE	10.765	112	713659	10.03	PPBV		99
79)	ETHYLBENZENE	11.656	91	1150294	10.79	PPBV		98
80)	M,P-XYLENE	12.087	91	1894133	22.88	PPBV		98
81)	O-XYLENE	13.029	91	993442	11.72	PPBV		96
82)	STYRENE	12.813	104	735165	11.33	PPBV		98
83)	NONANE	14.145	43	513306	12.98	PPBV		94
84)	BROMOFORM	11.900	173	481117	9.88	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.035	83	779712	12.24	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.322	75	523050	11.90	PPBV	#	100
88)	ISOPROPYLBENZENE	14.553	120	394584	10.92	PPBV		90
89)	BROMOBENZENE	14.428	77	651983	11.88	PPBV		96
90)	2-CHLOROTOLUENE	15.563	126	333596	10.39	PPBV		99
91)	N-PROPYLBENZENE	15.900	120	397444	10.81	PPBV		99
92)	4-ETHYLTOLUENE	16.222	105	1539333	12.14	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.366	105	1318774	12.62	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.556	118	704371	12.69	PPBV		98
95)	TERT-BUTYLBENZENE	16.807	134	354272	11.95	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1533936	13.47	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58454.D
Acq On : 23 Mar 2022 8:57 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:30:59 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

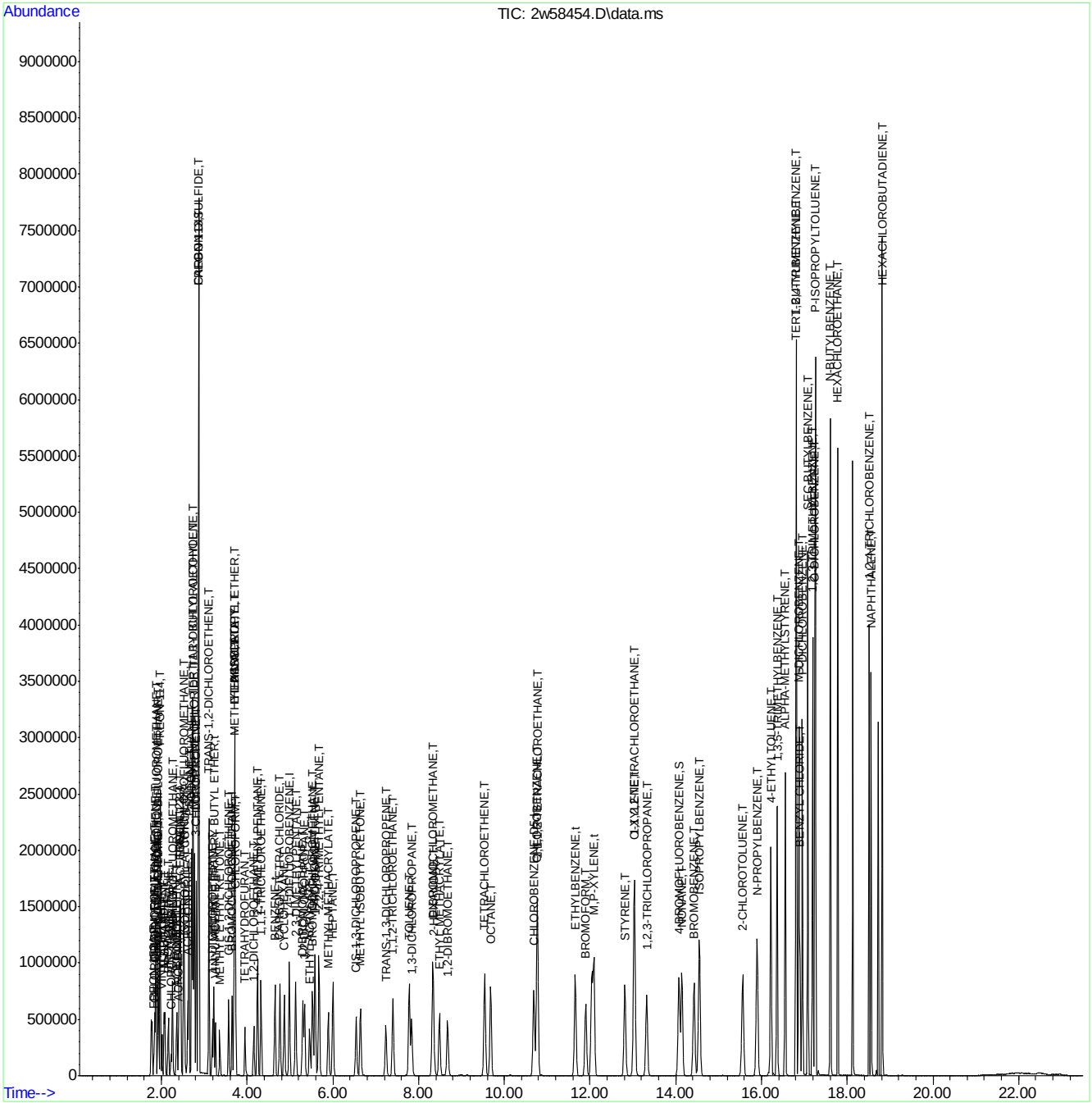
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	830959	23.57	PPBV	99
98) M-DICHLOROBENZENE	16.874	146	923040	12.01	PPBV	99
99) P-DICHLOROBENZENE	16.955	146	926267	11.98	PPBV	99
100) O-DICHLOROBENZENE	17.244	146	961699	12.39	PPBV	99
101) SEC-BUTYLBENZENE	17.083	134	450674	12.29	PPBV	94
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1465590	13.60	PPBV	98
103) P-ISOPROPYLTOLUENE	17.257	134	546460	12.85	PPBV	99
104) N-BUTYLBENZENE	17.601	134	477809	12.57	PPBV	88
105) HEXACHLOROETHANE	17.781	117	649805	12.91	PPBV	92
106) HEXACHLOROBUTADIENE	18.820	225	628881	10.29	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.511	180	649608	11.04	PPBV	99
108) NAPHTHALENE	18.559	128	1560319	11.11	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58454.D
Acq On : 23 Mar 2022 8:57 am
Operator : thomash
Sample : cc2599-10
Misc : MS57180,V2w2603,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 23 14:30:59 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75772.D
Acq On : 23 Apr 2022 2:17 am
Operator : thomash
Sample : ic2981-0.04
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:14:31 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:13:08 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.122	128	120607	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	633925	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	275118	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	267330	9.37	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.70%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	487	0.04	PPBV	#	40
4) CHLORODIFLUOROMETHANE	4.393	67	198	0.04	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	4.417	116	1356	0.05	PPBV	#	86
6) DICHLORODIFLUOROMETHANE	4.472	85	2970	0.05	PPBV		91
7) PROPYLENE	4.417	41	1034	0.05	PPBV		90
8) 1-CHLORO-1,1-DIFLUOROE...	4.575	65	2296	0.05	PPBV	#	32
9) FREON 114	4.673	85	2246	0.05	PPBV		95
10) CHLOROMETHANE	4.594	52	316	0.05	PPBV	#	7
11) VINYL CHLORIDE	4.764	62	883	0.05	PPBV	#	84
12) 1,3-BUTADIENE	4.861	54	957	0.06	PPBV		92
13) n-BUTANE	4.904	43	1767	0.05	PPBV	#	75
14) BROMOMETHANE	5.080	94	1399	0.06	PPBV	#	66
15) CHLOROETHANE	5.214	64	500	0.05	PPBV	#	45
16) DICHLOROFLUOROMETHANE	5.257	67	2592	0.05	PPBV	#	72
18) ACROLEIN	5.555	56	366	0.05	PPBV	#	15
19) FREON 123	5.561	83	2015	0.05	PPBV		98
20) FREON 123A	5.604	117	1168	0.05	PPBV	#	66
21) TRICHLOROFLUOROMETHANE	5.780	101	2569	0.05	PPBV		94
22) ISOPROPYL ALCOHOL	5.835	45	2202	0.05	PPBV		78
23) ACETONE	5.658	58	700	0.06	PPBV	#	41
24) PENTANE	6.042	42	1136	0.05	PPBV		82
25) IODOMETHANE	6.218	142	2509	0.05	PPBV		98
26) 1,1-DICHLOROETHYLENE	6.273	96	749	0.04	PPBV	#	67
27) CARBON DISULFIDE	6.632	76	2394	0.04	PPBV	#	77
28) ETHANOL	5.293	45	1428	0.07	PPBV	#	61
29) BROMOETHENE	5.464	106	764	0.05	PPBV	#	89
30) ACRYLONITRILE	5.999	52	469	0.04	PPBV	#	76
31) METHYLENE CHLORIDE	6.352	84	2066	0.06	PPBV		100
32) 3-CHLOROPROPENE	6.455	76	299	0.04	PPBV	#	1
33) FREON 113	6.553	151	1618	0.05	PPBV		95
34) TRANS-1,2-DICHLOROETHY...	7.112	96	837	0.04	PPBV		94
35) TERTIARY BUTYL ALCOHOL	6.297	59	1822	0.05	PPBV		81
36) METHYL TERTIARY BUTYL ...	7.319	73	2816	0.05	PPBV		95
37) TETRAHYDROFURAN	8.639	72	339	0.04	PPBV	#	61
38) HEXANE	8.134	57	1366	0.05	PPBV		90
40) 1,1-DICHLOROETHANE	7.277	63	1605	0.05	PPBV	#	87
41) METHYL ETHYL KETONE	7.623	72	222	0.03	PPBV	#	46
42) cis-1,2-DICHLOROETHYLENE	7.976	96	826	0.04	PPBV		87
43) DIISOPROPYL ETHER	8.140	59	233	0.04	PPBV	#	1
44) ETHYL ACETATE	8.147	61	215	0.04	PPBV	#	1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75772.D
Acq On : 23 Apr 2022 2:17 am
Operator : thomash
Sample : ic2981-0.04
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:14:31 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:13:08 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) METHYL ACRYLATE	8.153	55	1674	0.05	PPBV	#	75
46) CHLOROFORM	8.232	83	2072	0.05	PPBV		94
47) 2,4-DIMETHYLPENTANE	8.919	57	1611	0.05	PPBV		95
48) 1,1,1-TRICHLOROETHANE	9.120	97	2243	0.05	PPBV		98
49) CARBON TETRACHLORIDE	9.673	117	2475	0.05	PPBV		89
50) 1,2-DICHLOROETHANE	8.895	62	1346	0.05	PPBV	#	90
52) BENZENE	9.534	78	3065	0.05	PPBV		94
53) CYCLOHEXANE	9.795	84	1745	0.05	PPBV	#	1
54) 2,3-DIMETHYLPENTANE	9.990	71	603	0.05	PPBV	#	96
55) TRICHLOROETHYLENE	10.513	95	1262	0.05	PPBV		92
56) 1,2-DICHLOROPROPANE	10.294	63	939	0.04	PPBV		93
57) DIBROMOMETHANE	10.270	174	1550	0.05	PPBV		94
58) ETHYL ACRYLATE	10.264	55	1847	0.04	PPBV	#	76
59) BROMODICHLOROMETHANE	10.477	83	2283	0.05	PPBV		91
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	4373	0.05	PPBV		94
61) 1,4-DIOXANE	10.562	88	568	0.04	PPBV	#	1
62) HEPTANE	10.769	43	1782	0.05	PPBV		95
63) METHYL METHACRYLATE	10.683	69	853	0.04	PPBV	#	75
64) METHYL ISOBUTYL KETONE	11.383	58	773	0.04	PPBV	#	87
65) cis-1,3-DICHLOROPROPENE	11.334	75	1621	0.04	PPBV		87
66) TOLUENE	12.296	92	1896	0.04	PPBV		94
67) 1,3-DICHLOROPROPANE	12.314	76	1615	0.05	PPBV		91
68) trans-1,3-DICHLOROPROPENE	11.845	75	1429	0.04	PPBV		95
69) 1,1,2-TRICHLOROETHANE	12.022	83	940	0.04	PPBV		91
71) 2-HEXANONE	12.557	58	1014	0.05	PPBV	#	88
72) ETHYL METHACRYLATE	12.539	69	1514	0.05	PPBV	#	15
73) TETRACHLOROETHYLENE	13.445	164	1542	0.05	PPBV		94
74) DIBROMOCHLOROMETHANE	12.721	129	2335	0.05	PPBV		92
75) 1,2-DIBROMOETHANE	12.971	107	1726	0.05	PPBV	#	99
76) OCTANE	13.269	43	2131	0.05	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	14.127	131	1650	0.05	PPBV		98
78) CHLOROBENZENE	14.145	112	2490	0.05	PPBV	#	50
79) ETHYLBENZENE	14.540	91	4418	0.05	PPBV		96
80) m,p-XYLENE	14.729	106	3145	0.09	PPBV	#	88
81) o-XYLENE	15.240	106	1549	0.05	PPBV		95
82) STYRENE	15.124	104	2071	0.04	PPBV		96
83) NONANE	15.477	43	2047	0.05	PPBV	#	84
84) BROMOFORM	14.826	173	2059	0.05	PPBV	#	91
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	2183	0.05	PPBV		93
87) 1,2,3-TRICHLOROPROPANE	15.386	75	1878	0.05	PPBV		83
88) ISOPROPYLBENZENE	15.897	105	4760	0.05	PPBV		96
89) BROMOBENZENE	16.013	77	2102	0.05	PPBV		92
90) 2-CHLOROTOLUENE	16.457	126	1059	0.05	PPBV		83
91) n-PROPYLBENZENE	16.487	120	1200	0.05	PPBV	#	62
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	3495	0.04	PPBV		95
94) ALPHA-METHYLSTYRENE	16.925	118	1334	0.04	PPBV		94
95) tert-BUTYLBENZENE	17.211	134	823	0.05	PPBV	#	90
96) 1,2,4-TRIMETHYLBENZENE	17.223	105	3054	0.04	PPBV	#	85
97) m-DICHLOROBENZENE	17.400	146	1880	0.04	PPBV		99
98) BENZYL CHLORIDE	17.381	91	2105	0.04	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75772.D
Acq On : 23 Apr 2022 2:17 am
Operator : thomash
Sample : ic2981-0.04
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:14:31 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:13:08 2022
Response via : Initial Calibration

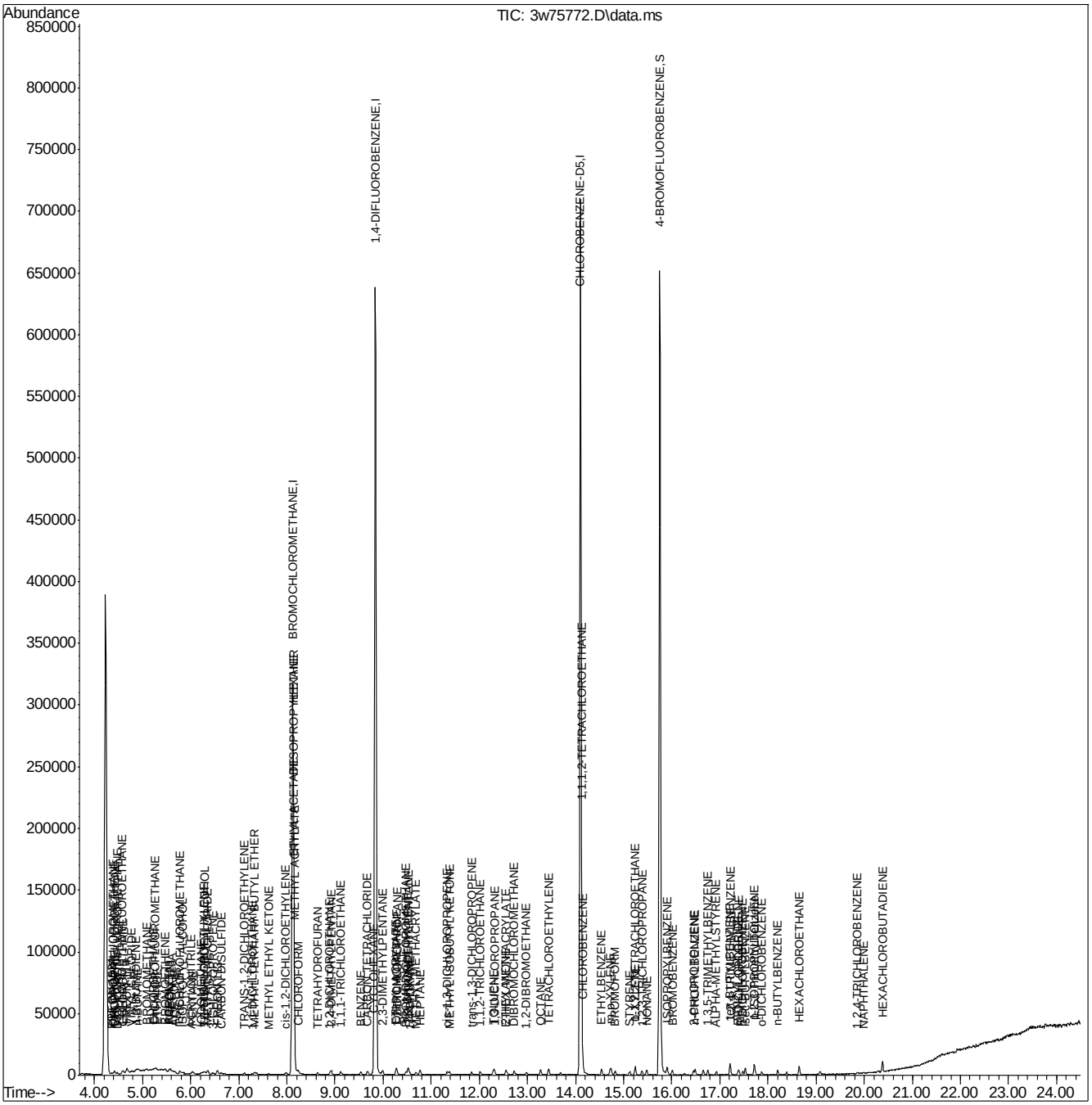
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
99)	p-DICHLOROBENZENE	17.473	146	1727	0.04	PPBV		91
100)	sec-BUTYLBENZENE	17.527	134	971	0.04	PPBV	#	83
101)	1,2,3-Trimethylbenzene	17.716	105	3118	0.04	PPBV		97
102)	p-ISOPROPYLTOLUENE	17.710	134	1044	0.05	PPBV	#	1
103)	o-DICHLOROBENZENE	17.868	146	1847	0.04	PPBV		99
104)	n-BUTYLBENZENE	18.203	134	716	0.03	PPBV	#	1
105)	HEXACHLOROETHANE	18.653	117	1440	0.04	PPBV		94
106)	HEXACHLOROBUTADIENE	20.381	225	2098	0.05	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.857	180	502	0.03	PPBV	#	81
108)	NAPHTHALENE	19.985	128	1298	0.03	PPBV	#	69

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75772.D
Acq On : 23 Apr 2022 2:17 am
Operator : thomash
Sample : ic2981-0.04
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:14:31 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:13:08 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75773.D
Acq On : 23 Apr 2022 3:04 am
Operator : thomash
Sample : ic2981-0.1
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:15:22 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:14:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	118952	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	621367	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	279583	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	291168	10.04	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.40%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	1092	0.10	PPBV		87
4) CHLORODIFLUOROMETHANE	4.399	67	531	0.11	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	4.417	116	2793	0.10	PPBV	#	95
6) DICHLORODIFLUOROMETHANE	4.478	85	5744	0.09	PPBV		96
7) PROPYLENE	4.423	41	1855	0.09	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	4660	0.10	PPBV	#	68
9) FREON 114	4.679	85	4703	0.10	PPBV		96
10) CHLOROMETHANE	4.600	52	556	0.09	PPBV	#	42
11) VINYL CHLORIDE	4.764	62	1725	0.10	PPBV	#	94
12) 1,3-BUTADIENE	4.868	54	1483	0.09	PPBV	#	33
13) n-BUTANE	4.910	43	2923	0.09	PPBV	#	89
14) BROMOMETHANE	5.081	94	2510	0.11	PPBV	#	72
15) CHLOROETHANE	5.202	64	868	0.09	PPBV	#	37
16) DICHLOROFLUOROMETHANE	5.263	67	4663	0.10	PPBV	#	87
17) ACETONITRILE	5.464	41	2846	0.24	PPBV	#	76
18) ACROLEIN	5.549	56	684	0.10	PPBV	#	15
19) FREON 123	5.555	83	4198	0.10	PPBV		98
20) FREON 123A	5.604	117	2570	0.10	PPBV		94
21) TRICHLOROFLUOROMETHANE	5.786	101	5725	0.10	PPBV		97
22) ISOPROPYL ALCOHOL	5.841	45	4180	0.10	PPBV		97
23) ACETONE	5.665	58	1136	0.09	PPBV	#	73
24) PENTANE	6.042	42	2216	0.10	PPBV		88
25) IODOMETHANE	6.230	142	5552	0.10	PPBV		92
26) 1,1-DICHLOROETHYLENE	6.267	96	1916	0.11	PPBV		96
27) CARBON DISULFIDE	6.638	76	5125	0.10	PPBV		85
28) ETHANOL	5.281	45	1876	0.09	PPBV	#	10
29) BROMOETHENE	5.470	106	1821	0.11	PPBV		93
30) ACRYLONITRILE	5.999	52	1105	0.10	PPBV		98
31) METHYLENE CHLORIDE	6.358	84	2931	0.09	PPBV		97
32) 3-CHLOROPROPENE	6.455	76	767	0.10	PPBV	#	59
33) FREON 113	6.553	151	3539	0.10	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	7.119	96	1994	0.11	PPBV		96
35) TERTIARY BUTYL ALCOHOL	6.303	59	3570	0.09	PPBV		78
36) METHYL TERTIARY BUTYL ...	7.331	73	5750	0.10	PPBV		96
37) TETRAHYDROFURAN	8.639	72	874	0.11	PPBV		97
38) HEXANE	8.147	57	2713	0.09	PPBV	#	85
39) VINYL ACETATE	7.368	86	248	0.09	PPBV	#	1
40) 1,1-DICHLOROETHANE	7.283	63	3324	0.10	PPBV		96
41) METHYL ETHYL KETONE	7.617	72	803	0.12	PPBV	#	71
42) cis-1,2-DICHLOROETHYLENE	7.976	96	2026	0.11	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75773.D
Acq On : 23 Apr 2022 3:04 am
Operator : thomash
Sample : ic2981-0.1
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:15:22 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:14:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	772	0.12	PPBV	#	76
44) ETHYL ACETATE	8.147	61	507	0.10	PPBV	#	41
45) METHYL ACRYLATE	8.153	55	3423	0.10	PPBV	#	92
46) CHLOROFORM	8.232	83	4556	0.10	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.925	57	3303	0.10	PPBV		98
48) 1,1,1-TRICHLOROETHANE	9.120	97	4914	0.10	PPBV		98
49) CARBON TETRACHLORIDE	9.674	117	4967	0.09	PPBV		99
50) 1,2-DICHLOROETHANE	8.883	62	2832	0.10	PPBV	#	96
52) BENZENE	9.534	78	6022	0.10	PPBV		99
53) CYCLOHEXANE	9.789	84	3134	0.10	PPBV	#	1
54) 2,3-DIMETHYLPENTANE	9.996	71	1225	0.10	PPBV	#	96
55) TRICHLOROETHYLENE	10.507	95	2670	0.10	PPBV		95
56) 1,2-DICHLOROPROPANE	10.288	63	2250	0.11	PPBV		95
57) DIBROMOMETHANE	10.270	174	2770	0.09	PPBV		95
58) ETHYL ACRYLATE	10.270	55	4031	0.10	PPBV	#	93
59) BROMODICHLOROMETHANE	10.471	83	4711	0.10	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	9260	0.10	PPBV		99
61) 1,4-DIOXANE	10.556	88	1237	0.10	PPBV	#	13
62) HEPTANE	10.769	43	3658	0.10	PPBV		95
63) METHYL METHACRYLATE	10.677	69	2068	0.11	PPBV		96
64) METHYL ISOBUTYL KETONE	11.371	58	1596	0.09	PPBV		91
65) cis-1,3-DICHLOROPROPENE	11.328	75	3327	0.09	PPBV		99
66) TOLUENE	12.290	92	4075	0.10	PPBV		95
67) 1,3-DICHLOROPROPANE	12.314	76	3255	0.09	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	3127	0.10	PPBV		95
69) 1,1,2-TRICHLOROETHANE	12.016	83	1922	0.09	PPBV		95
71) 2-HEXANONE	12.557	58	2014	0.09	PPBV	#	87
72) ETHYL METHACRYLATE	12.551	69	3115	0.09	PPBV		96
73) TETRACHLOROETHYLENE	13.445	164	3181	0.10	PPBV		98
74) DIBROMOCHLOROMETHANE	12.728	129	4640	0.09	PPBV		98
75) 1,2-DIBROMOETHANE	12.977	107	3644	0.10	PPBV	#	96
76) OCTANE	13.275	43	4699	0.10	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	3460	0.10	PPBV		99
78) CHLOROBENZENE	14.145	112	5359	0.10	PPBV	#	49
79) ETHYLBENZENE	14.540	91	9237	0.10	PPBV		96
80) m,p-XYLENE	14.729	106	6635	0.19	PPBV		95
81) o-XYLENE	15.246	106	3426	0.10	PPBV		91
82) STYRENE	15.124	104	4690	0.10	PPBV		97
83) NONANE	15.471	43	4404	0.10	PPBV	#	93
84) BROMOFORM	14.826	173	4253	0.09	PPBV		95
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	4311	0.09	PPBV		94
87) 1,2,3-TRICHLOROPROPANE	15.386	75	3849	0.10	PPBV		93
88) ISOPROPYLBENZENE	15.897	105	10512	0.10	PPBV		99
89) BROMOBENZENE	16.007	77	4474	0.10	PPBV		99
90) 2-CHLOROTOLUENE	16.445	126	2381	0.10	PPBV		98
91) n-PROPYLBENZENE	16.487	120	2560	0.10	PPBV		89
92) 4-ETHYLTOLUENE	16.658	105	8617	0.11	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	8046	0.10	PPBV		99
94) ALPHA-METHYLSTYRENE	16.931	118	3212	0.09	PPBV		97
95) tert-BUTYLBENZENE	17.211	134	1815	0.10	PPBV	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75773.D
Acq On : 23 Apr 2022 3:04 am
Operator : thomash
Sample : ic2981-0.1
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:15:22 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:14:42 2022
Response via : Initial Calibration

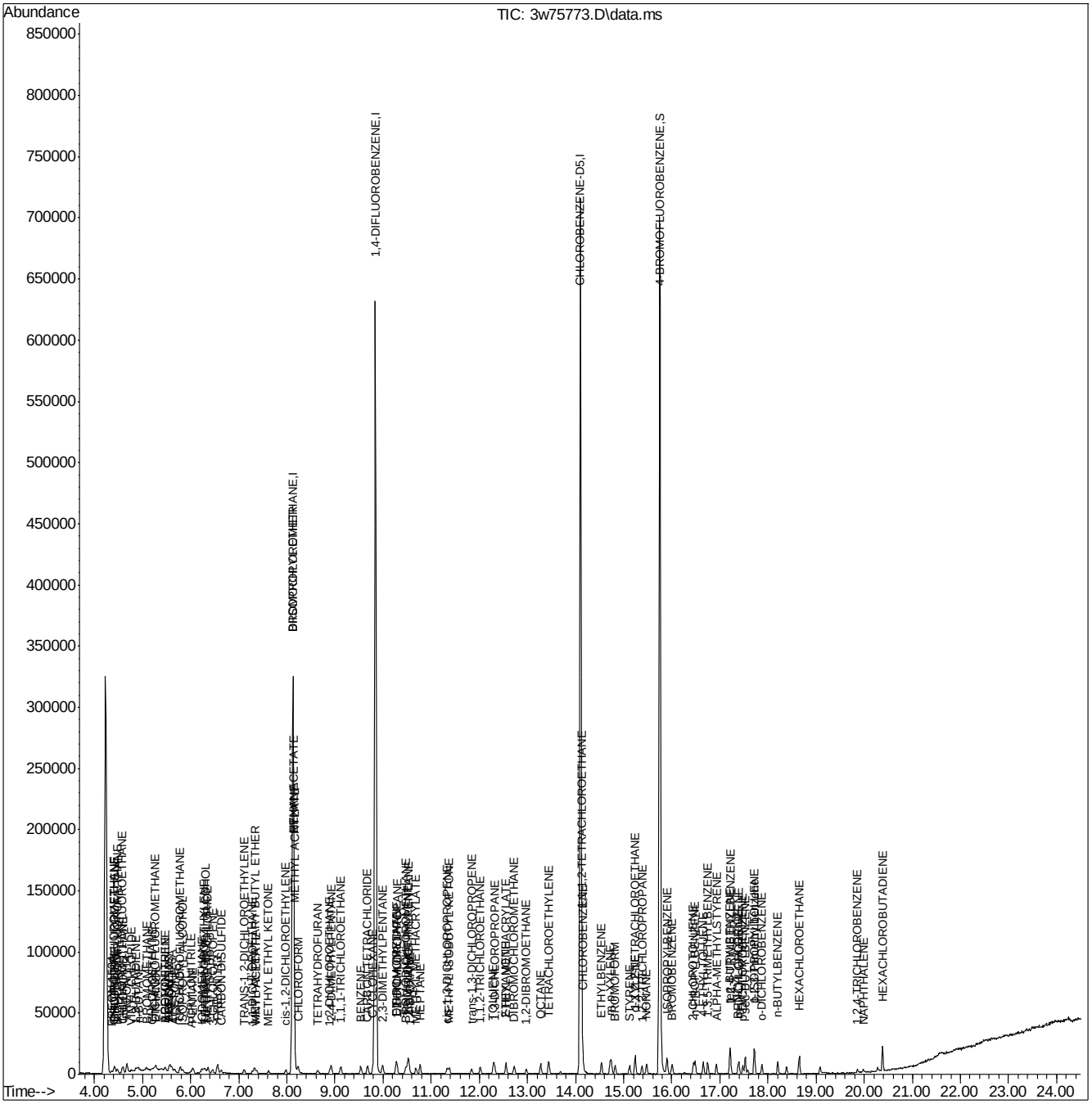
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	1,2,4-TRIMETHYLBENZENE	17.217	105	7070	0.10	PPBV	#	86
97)	m-DICHLOROBENZENE	17.400	146	4510	0.10	PPBV		99
98)	BENZYL CHLORIDE	17.381	91	4829	0.09	PPBV		97
99)	p-DICHLOROBENZENE	17.479	146	4438	0.10	PPBV		99
100)	sec-BUTYLBENZENE	17.534	134	2305	0.10	PPBV		96
101)	1,2,3-Trimethylbenzene	17.716	105	7978	0.11	PPBV		95
102)	p-ISOPROPYLTOLUENE	17.716	134	2491	0.10	PPBV	#	1
103)	o-DICHLOROBENZENE	17.868	146	4245	0.10	PPBV		97
104)	n-BUTYLBENZENE	18.203	134	1905	0.10	PPBV	#	1
105)	HEXACHLOROETHANE	18.647	117	3328	0.10	PPBV		98
106)	HEXACHLOROBUTADIENE	20.381	225	4537	0.10	PPBV		96
107)	1,2,4-TRICHLOROBENZENE	19.864	180	1613	0.08	PPBV		95
108)	NAPHTHALENE	19.985	128	4085	0.09	PPBV		86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75773.D
Acq On : 23 Apr 2022 3:04 am
Operator : thomash
Sample : ic2981-0.1
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 21:15:22 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:14:42 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:00 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	118912	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	618395	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	285601	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	311675	10.27	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.70%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	2071	0.21	PPBV		98
4) CHLORODIFLUOROMETHANE	4.387	67	1099	0.21	PPBV		90
5) CHLOROTRIFLUOROETHENE	4.429	116	4701	0.20	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.472	85	11879	0.22	PPBV		92
7) PROPYLENE	4.417	41	3325	0.22	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	4.588	65	8548	0.21	PPBV	#	83
9) FREON 114	4.673	85	8865	0.22	PPBV		97
10) CHLOROMETHANE	4.606	52	987	0.22	PPBV	#	58
11) VINYL CHLORIDE	4.764	62	2942	0.20	PPBV		95
12) 1,3-BUTADIENE	4.867	54	2632	0.23	PPBV	#	80
13) n-BUTANE	4.910	43	4784	0.21	PPBV	#	93
14) BROMOMETHANE	5.086	94	3741	0.24	PPBV		85
15) CHLOROETHANE	5.202	64	1537	0.22	PPBV	#	79
16) DICHLOROFLUOROMETHANE	5.269	67	7978	0.23	PPBV		96
17) ACETONITRILE	5.458	41	5751	0.57	PPBV	#	57
18) ACROLEIN	5.555	56	1243	0.23	PPBV	#	54
19) FREON 123	5.567	83	7806	0.22	PPBV		97
20) FREON 123A	5.604	117	4741	0.22	PPBV		98
21) TRICHLOROFLUOROMETHANE	5.786	101	10141	0.21	PPBV		98
22) ISOPROPYL ALCOHOL	5.835	45	7617	0.23	PPBV		96
23) ACETONE	5.664	58	2000	0.25	PPBV		95
24) PENTANE	6.042	42	3904	0.22	PPBV		95
25) IODOMETHANE	6.236	142	9869	0.21	PPBV		97
26) 1,1-DICHLOROETHYLENE	6.279	96	3334	0.20	PPBV		97
27) CARBON DISULFIDE	6.638	76	9595	0.20	PPBV		79
28) ETHANOL	5.287	45	2648	0.40	PPBV		93
29) BROMOETHENE	5.470	106	3252	0.22	PPBV		97
30) ACRYLONITRILE	5.993	52	1937	0.18	PPBV		90
31) METHYLENE CHLORIDE	6.358	84	4347	0.28	PPBV		95
32) 3-CHLOROPROPENE	6.455	76	1581	0.21	PPBV		90
33) FREON 113	6.565	151	6342	0.21	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.112	96	3427	0.20	PPBV		98
35) TERTIARY BUTYL ALCOHOL	6.303	59	6612	0.20	PPBV		82
36) METHYL TERTIARY BUTYL ...	7.325	73	10619	0.21	PPBV		94
37) TETRAHYDROFURAN	8.627	72	1454	0.19	PPBV		92
38) HEXANE	8.140	57	5314	0.21	PPBV		99
39) VINYL ACETATE	7.386	86	542	0.20	PPBV	#	73
40) 1,1-DICHLOROETHANE	7.283	63	6200	0.21	PPBV		99
41) METHYL ETHYL KETONE	7.617	72	1580	0.20	PPBV		96
42) cis-1,2-DICHLOROETHYLENE	7.982	96	3509	0.20	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:00 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) DIISOPROPYL ETHER	8.140	59	1490	0.20	PPBV #	89
44) ETHYL ACETATE	8.159	61	1050	0.20	PPBV #	75
45) METHYL ACRYLATE	8.153	55	6229	0.20	PPBV	99
46) CHLOROFORM	8.232	83	8317	0.21	PPBV	97
47) 2,4-DIMETHYLPENTANE	8.925	57	6017	0.20	PPBV	99
48) 1,1,1-TRICHLOROETHANE	9.120	97	9111	0.21	PPBV	99
49) CARBON TETRACHLORIDE	9.673	117	9136	0.20	PPBV	100
50) 1,2-DICHLOROETHANE	8.889	62	5463	0.21	PPBV	98
52) BENZENE	9.540	78	10906	0.21	PPBV	99
53) CYCLOHEXANE	9.789	84	5135	0.22	PPBV #	70
54) 2,3-DIMETHYLPENTANE	9.990	71	2220	0.20	PPBV #	88
55) TRICHLOROETHYLENE	10.507	95	5175	0.21	PPBV	98
56) 1,2-DICHLOROPROPANE	10.294	63	3956	0.21	PPBV	98
57) DIBROMOMETHANE	10.276	174	5288	0.22	PPBV	98
58) ETHYL ACRYLATE	10.270	55	7512	0.20	PPBV	97
59) BROMODICHLOROMETHANE	10.477	83	8434	0.20	PPBV	95
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	17539	0.22	PPBV	98
61) 1,4-DIOXANE	10.543	88	2331	0.21	PPBV #	75
62) HEPTANE	10.769	43	6592	0.21	PPBV	97
63) METHYL METHACRYLATE	10.683	69	3833	0.21	PPBV	97
64) METHYL ISOBUTYL KETONE	11.365	58	3084	0.21	PPBV	95
65) cis-1,3-DICHLOROPROPENE	11.328	75	6304	0.20	PPBV	99
66) TOLUENE	12.295	92	7739	0.21	PPBV	97
67) 1,3-DICHLOROPROPANE	12.314	76	5942	0.20	PPBV	99
68) trans-1,3-DICHLOROPROPENE	11.839	75	5536	0.19	PPBV	95
69) 1,1,2-TRICHLOROETHANE	12.022	83	3784	0.21	PPBV	98
71) 2-HEXANONE	12.557	58	3904	0.22	PPBV	96
72) ETHYL METHACRYLATE	12.551	69	5959	0.22	PPBV	99
73) TETRACHLOROETHYLENE	13.439	164	5843	0.22	PPBV	98
74) DIBROMOCHLOROMETHANE	12.727	129	8878	0.23	PPBV	99
75) 1,2-DIBROMOETHANE	12.977	107	6882	0.22	PPBV #	96
76) OCTANE	13.275	43	8640	0.22	PPBV	96
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	6362	0.23	PPBV	99
78) CHLOROBENZENE	14.151	112	10607	0.23	PPBV	96
79) ETHYLBENZENE	14.540	91	16819	0.22	PPBV	99
80) m,p-XYLENE	14.729	106	12445	0.44	PPBV	98
81) o-XYLENE	15.240	106	5945	0.22	PPBV	96
82) STYRENE	15.124	104	9083	0.22	PPBV	96
83) NONANE	15.471	43	8812	0.22	PPBV	95
84) BROMOFORM	14.826	173	8176	0.22	PPBV	94
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	8501	0.23	PPBV	96
87) 1,2,3-TRICHLOROPROPANE	15.380	75	7140	0.22	PPBV	96
88) ISOPROPYLBENZENE	15.897	105	19521	0.23	PPBV	99
89) BROMOBENZENE	16.006	77	8340	0.22	PPBV	98
90) 2-CHLOROTOLUENE	16.451	126	4488	0.22	PPBV	99
91) n-PROPYLBENZENE	16.487	120	4998	0.22	PPBV	96
92) 4-ETHYLTOLUENE	16.657	105	16329	0.21	PPBV	99
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	15333	0.22	PPBV	97
94) ALPHA-METHYLSTYRENE	16.931	118	6779	0.21	PPBV	95
95) tert-BUTYLBENZENE	17.211	134	3727	0.23	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:00 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration

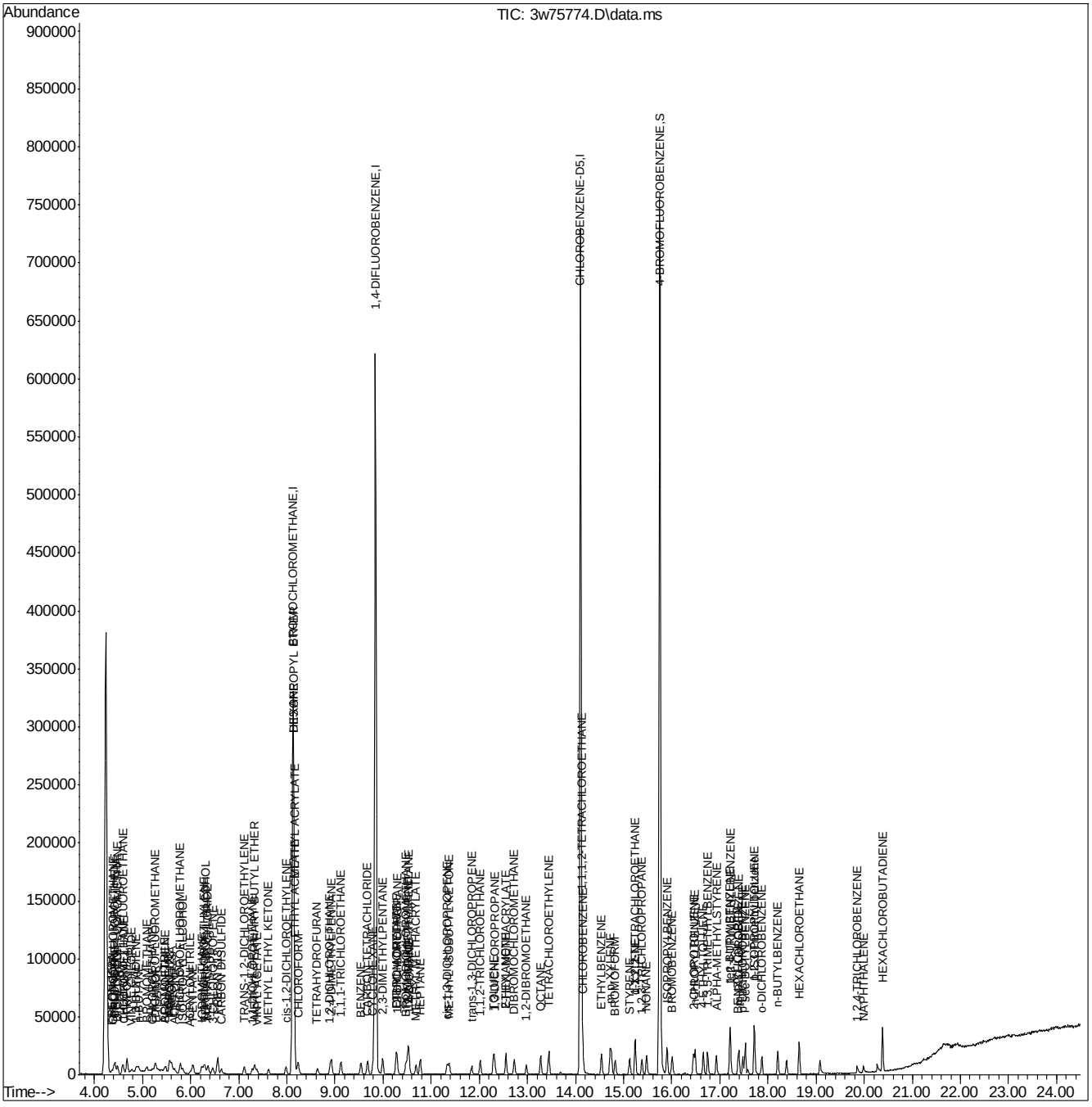
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	1,2,4-TRIMETHYLBENZENE	17.217	105	14145	0.22	PPBV		95
97)	m-DICHLOROBENZENE	17.394	146	8771	0.21	PPBV		100
98)	BENZYL CHLORIDE	17.375	91	9354	0.19	PPBV		97
99)	p-DICHLOROBENZENE	17.479	146	8465	0.21	PPBV		99
100)	sec-BUTYLBENZENE	17.533	134	4542	0.22	PPBV		93
101)	1,2,3-Trimethylbenzene	17.716	105	14661	0.22	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.716	134	4786m	0.23	PPBV		
103)	o-DICHLOROBENZENE	17.874	146	8519	0.22	PPBV		98
104)	n-BUTYLBENZENE	18.203	134	3976	0.21	PPBV	#	1
105)	HEXACHLOROETHANE	18.653	117	5880	0.21	PPBV		96
106)	HEXACHLOROBUTADIENE	20.381	225	8241	0.22	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.857	180	3760	0.16	PPBV		98
108)	NAPHTHALENE	19.985	128	8819	0.17	PPBV		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:00 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration



Manual Integration Approval Summary

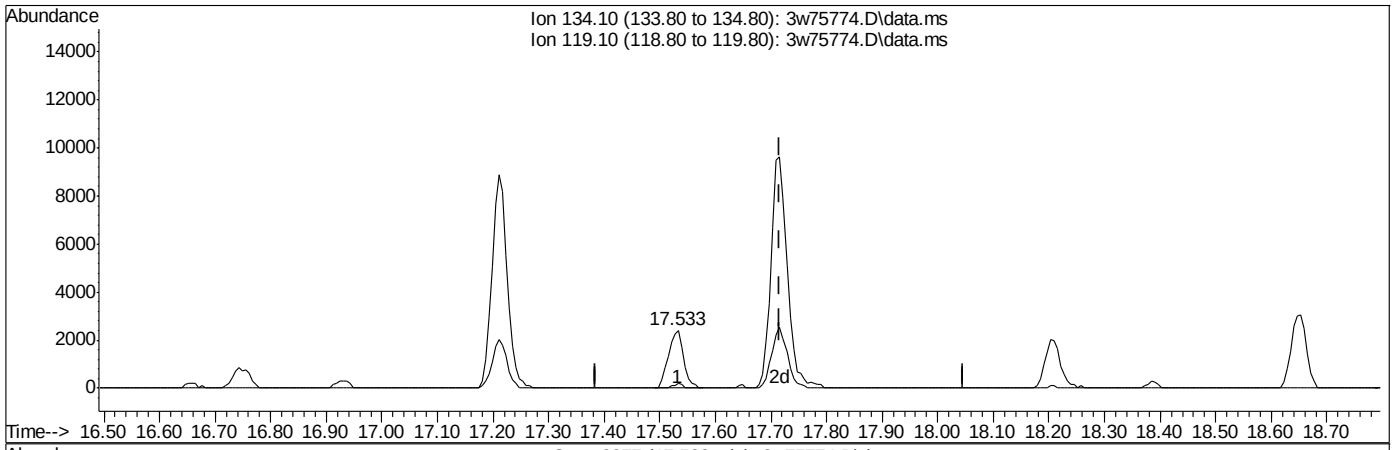
Sample Number:	V3W2981-IC2981	**Method:**	TO-15
Lab FileID:	3W75774.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 03:51	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

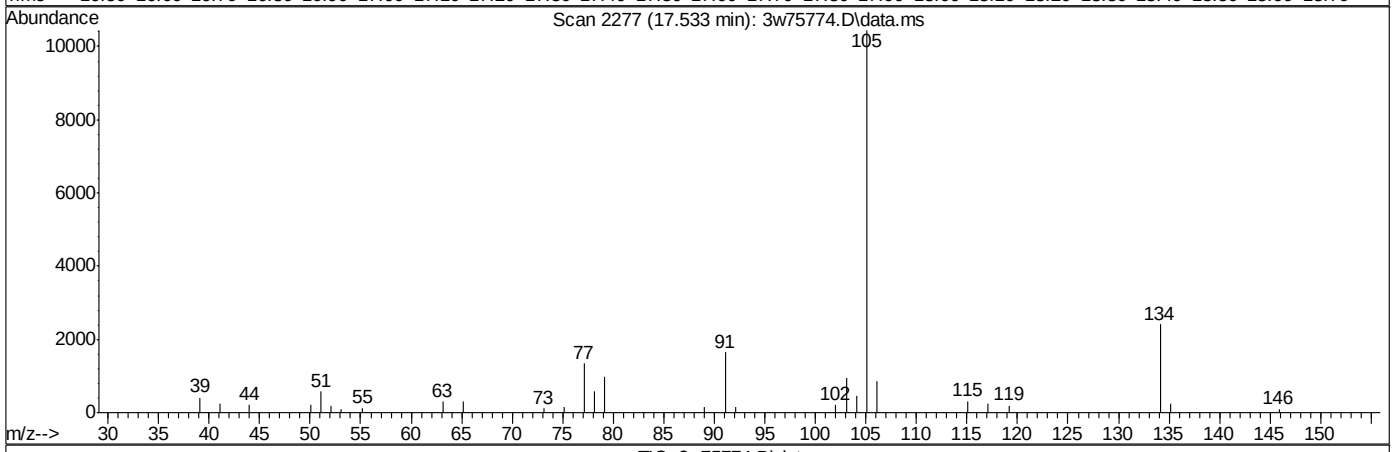
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:13:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration





TIC: 3w75774.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.533min (-0.183) 0.22PPBV

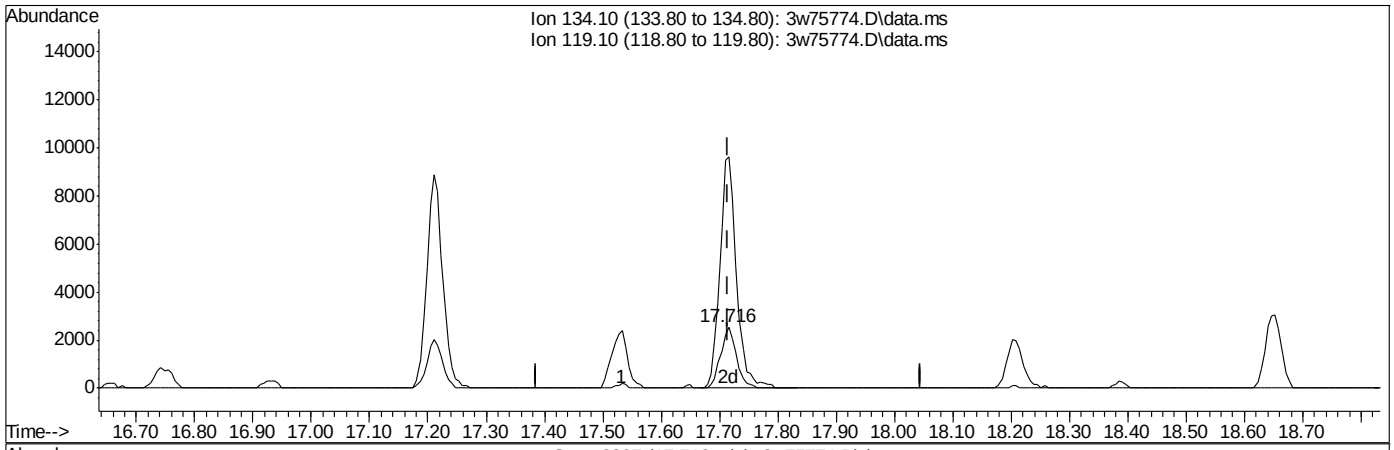
response 4542

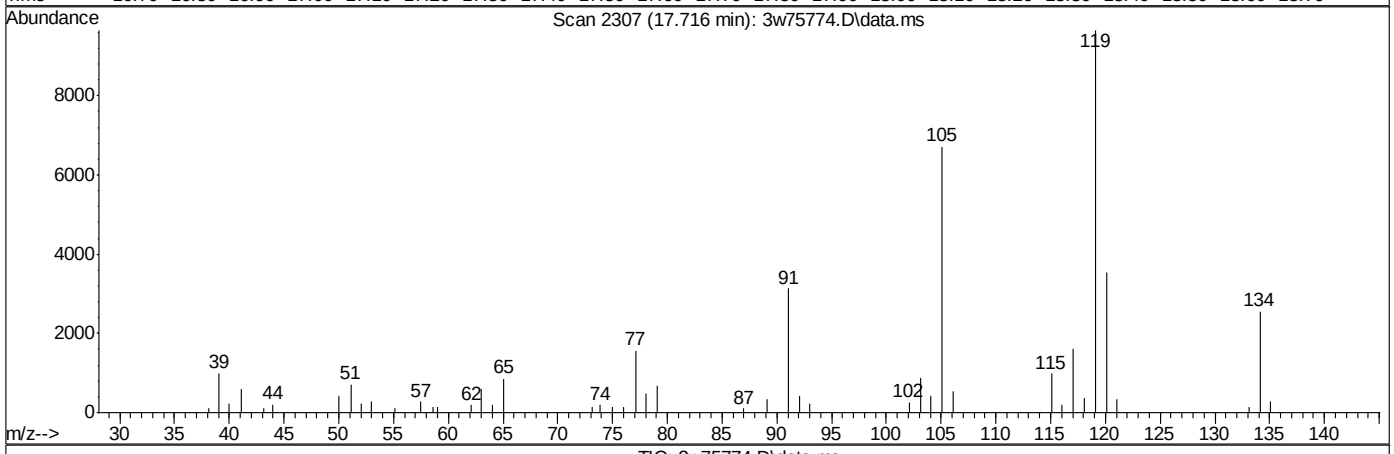
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	5.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75774.D
Acq On : 23 Apr 2022 3:51 am
Operator : thomash
Sample : ic2981-0.2
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:00 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:19:07 2022
Response via : Initial Calibration





TIC: 3w75774.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 0.23PPBV m

response 4786

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	4.74
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	119208	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.838	114	623870	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	290210	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	326845	10.60	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.00%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	4747	0.48	PPBV		95
4) CHLORODIFLUOROMETHANE	4.399	67	2515	0.48	PPBV		99
5) CHLOROTRIFLUOROETHENE	4.423	116	11659	0.49	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	27929	0.51	PPBV		99
7) PROPYLENE	4.423	41	7567	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	4.588	65	19885	0.50	PPBV	#	93
9) FREON 114	4.673	85	20548	0.50	PPBV		99
10) CHLOROMETHANE	4.606	52	2186	0.48	PPBV		100
11) VINYL CHLORIDE	4.770	62	7107	0.49	PPBV		98
12) 1,3-BUTADIENE	4.874	54	5543	0.48	PPBV		93
13) n-BUTANE	4.910	43	12257	0.53	PPBV		88
14) BROMOMETHANE	5.087	94	7770	0.50	PPBV		92
15) CHLOROETHANE	5.208	64	3365	0.49	PPBV		86
16) DICHLOROFLUOROMETHANE	5.263	67	18045	0.51	PPBV		98
17) ACETONITRILE	5.464	41	6830	0.66	PPBV	#	75
18) ACROLEIN	5.555	56	2684	0.50	PPBV	#	81
19) FREON 123	5.567	83	18002	0.50	PPBV		98
20) FREON 123A	5.610	117	10744	0.49	PPBV		97
21) TRICHLOROFLUOROMETHANE	5.786	101	24208	0.50	PPBV		100
22) ISOPROPYL ALCOHOL	5.829	45	16981	0.51	PPBV		98
23) ACETONE	5.658	58	4172	0.52	PPBV	#	87
24) PENTANE	6.042	42	8842	0.49	PPBV		96
25) IODOMETHANE	6.230	142	22656	0.49	PPBV		99
26) 1,1-DICHLOROETHYLENE	6.273	96	8145	0.49	PPBV		99
27) CARBON DISULFIDE	6.638	76	23143	0.49	PPBV		92
28) ETHANOL	5.287	45	5461	0.72	PPBV		97
29) BROMOETHENE	5.470	106	7384	0.49	PPBV		95
30) ACRYLONITRILE	5.999	52	4980	0.47	PPBV		98
31) METHYLENE CHLORIDE	6.364	84	8551	0.54	PPBV		98
32) 3-CHLOROPROPENE	6.449	76	3648	0.48	PPBV		92
33) FREON 113	6.559	151	14863	0.49	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	7.112	96	8463	0.49	PPBV		99
35) TERTIARY BUTYL ALCOHOL	6.297	59	16266	0.50	PPBV		94
36) METHYL TERTIARY BUTYL ...	7.325	73	24650	0.49	PPBV		99
37) TETRAHYDROFURAN	8.621	72	3713	0.48	PPBV		98
38) HEXANE	8.147	57	12329	0.49	PPBV		97
39) VINYL ACETATE	7.374	86	1217	0.44	PPBV	#	78
40) 1,1-DICHLOROETHANE	7.277	63	14712	0.49	PPBV		99
41) METHYL ETHYL KETONE	7.611	72	3774	0.48	PPBV	#	85
42) cis-1,2-DICHLOROETHYLENE	7.976	96	8404	0.47	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.134	59	3622	0.49	PPBV	#	93
44) ETHYL ACETATE	8.153	61	2586	0.49	PPBV	#	89
45) METHYL ACRYLATE	8.147	55	15348	0.50	PPBV		98
46) CHLOROFORM	8.232	83	19139	0.49	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.919	57	14646	0.49	PPBV		100
48) 1,1,1-TRICHLOROETHANE	9.120	97	21695	0.50	PPBV		98
49) CARBON TETRACHLORIDE	9.674	117	22299	0.49	PPBV		98
50) 1,2-DICHLOROETHANE	8.889	62	12994	0.49	PPBV		99
52) BENZENE	9.534	78	25657	0.50	PPBV		99
53) CYCLOHEXANE	9.789	84	11547	0.49	PPBV	#	75
54) 2,3-DIMETHYLPENTANE	9.990	71	5218	0.47	PPBV		92
55) TRICHLOROETHYLENE	10.513	95	12018	0.48	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	9610	0.50	PPBV		99
57) DIBROMOMETHANE	10.270	174	12157	0.50	PPBV		98
58) ETHYL ACRYLATE	10.264	55	18323	0.48	PPBV		98
59) BROMODICHLOROMETHANE	10.470	83	20620	0.49	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.525	57	40470	0.49	PPBV		99
61) 1,4-DIOXANE	10.537	88	5472	0.49	PPBV	#	23
62) HEPTANE	10.769	43	15746	0.49	PPBV		99
63) METHYL METHACRYLATE	10.683	69	8830	0.47	PPBV		98
64) METHYL ISOBUTYL KETONE	11.365	58	7355	0.49	PPBV		98
65) cis-1,3-DICHLOROPROPENE	11.328	75	15017	0.48	PPBV		98
66) TOLUENE	12.296	92	18251	0.49	PPBV		97
67) 1,3-DICHLOROPROPANE	12.320	76	14518	0.49	PPBV	#	72
68) trans-1,3-DICHLOROPROPENE	11.839	75	14183	0.48	PPBV		99
69) 1,1,2-TRICHLOROETHANE	12.022	83	8910	0.49	PPBV		99
71) 2-HEXANONE	12.551	58	9591	0.53	PPBV		93
72) ETHYL METHACRYLATE	12.545	69	14687	0.53	PPBV		97
73) TETRACHLOROETHYLENE	13.439	164	14050	0.51	PPBV		98
74) DIBROMOCHLOROMETHANE	12.727	129	21015	0.53	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	16830	0.53	PPBV		99
76) OCTANE	13.275	43	21112	0.53	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	15243	0.54	PPBV		99
78) CHLOROBENZENE	14.145	112	24704	0.54	PPBV		99
79) ETHYLBENZENE	14.540	91	40570	0.53	PPBV		100
80) m,p-XYLENE	14.729	106	30346	1.06	PPBV		94
81) o-XYLENE	15.240	106	15115	0.54	PPBV		97
82) STYRENE	15.124	104	21796	0.51	PPBV		99
83) NONANE	15.477	43	21431	0.54	PPBV		97
84) BROMOFORM	14.826	173	19502	0.51	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	15.234	83	20122	0.53	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	15.380	75	16776	0.52	PPBV		100
88) ISOPROPYLBENZENE	15.897	105	47425	0.54	PPBV		100
89) BROMOBENZENE	16.007	77	19903	0.52	PPBV		98
90) 2-CHLOROTOLUENE	16.451	126	11340	0.54	PPBV		98
91) n-PROPYLBENZENE	16.493	120	12233	0.53	PPBV		97
92) 4-ETHYLTOLUENE	16.657	105	42486	0.54	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	37751	0.54	PPBV		99
94) ALPHA-METHYLSTYRENE	16.931	118	17049	0.52	PPBV		98
95) tert-BUTYLBENZENE	17.211	134	8695	0.54	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration

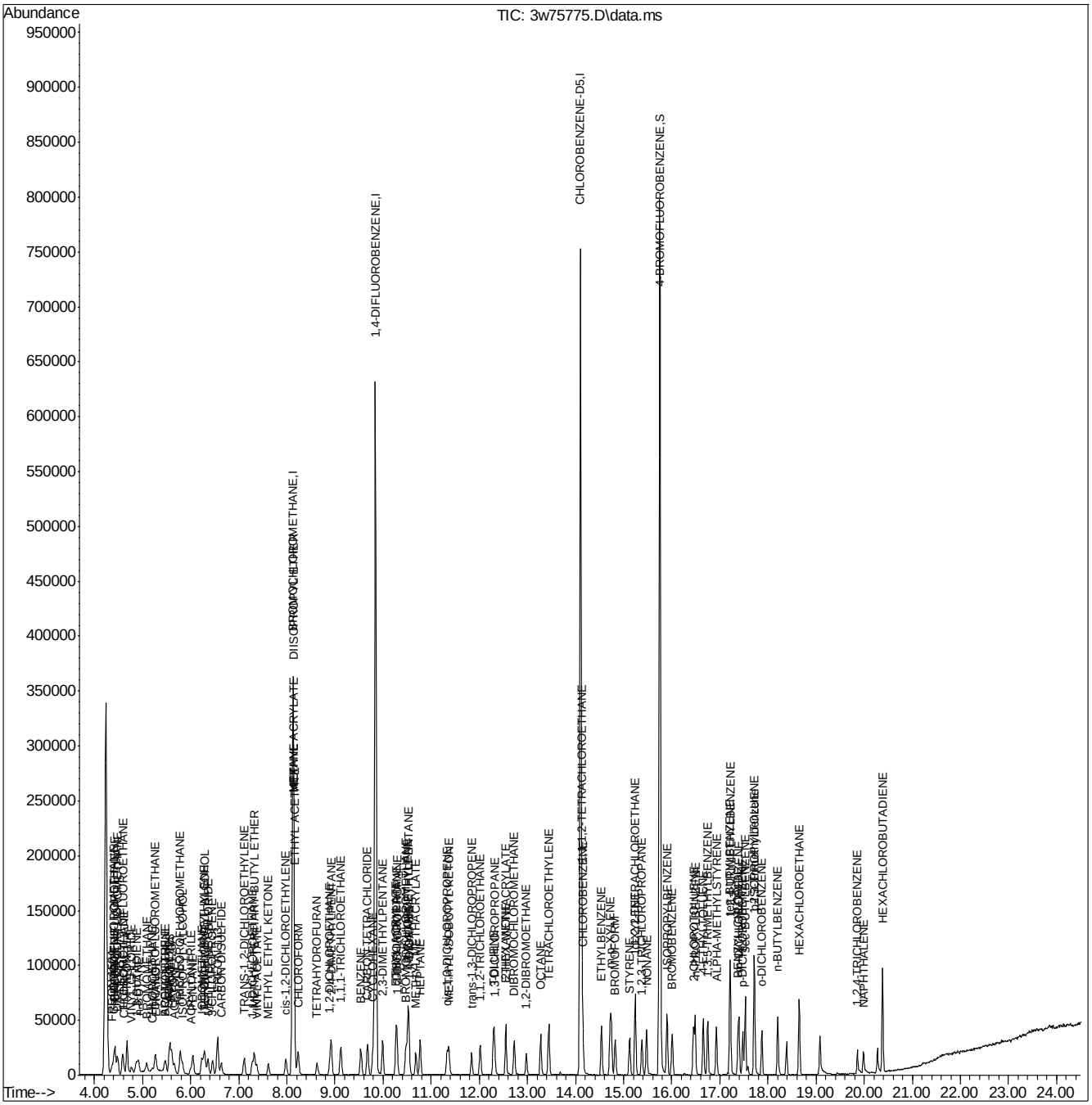
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	1,2,4-TRIMETHYLBENZENE	17.217	105	36115	0.55	PPBV		97
97)	m-DICHLOROBENZENE	17.394	146	22200	0.53	PPBV		99
98)	BENZYL CHLORIDE	17.381	91	23635	0.48	PPBV		99
99)	p-DICHLOROBENZENE	17.473	146	21928	0.53	PPBV		99
100)	sec-BUTYLBENZENE	17.527	134	11237	0.54	PPBV		95
101)	1,2,3-Trimethylbenzene	17.710	105	36835	0.54	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.716	134	11975m	0.56	PPBV		
103)	o-DICHLOROBENZENE	17.874	146	20974	0.52	PPBV		100
104)	n-BUTYLBENZENE	18.203	134	9777	0.50	PPBV	#	1
105)	HEXACHLOROETHANE	18.647	117	15227	0.53	PPBV		98
106)	HEXACHLOROBUTADIENE	20.381	225	20862	0.55	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	19.857	180	10586	0.46	PPBV		100
108)	NAPHTHALENE	19.985	128	25000	0.49	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration



Manual Integration Approval Summary

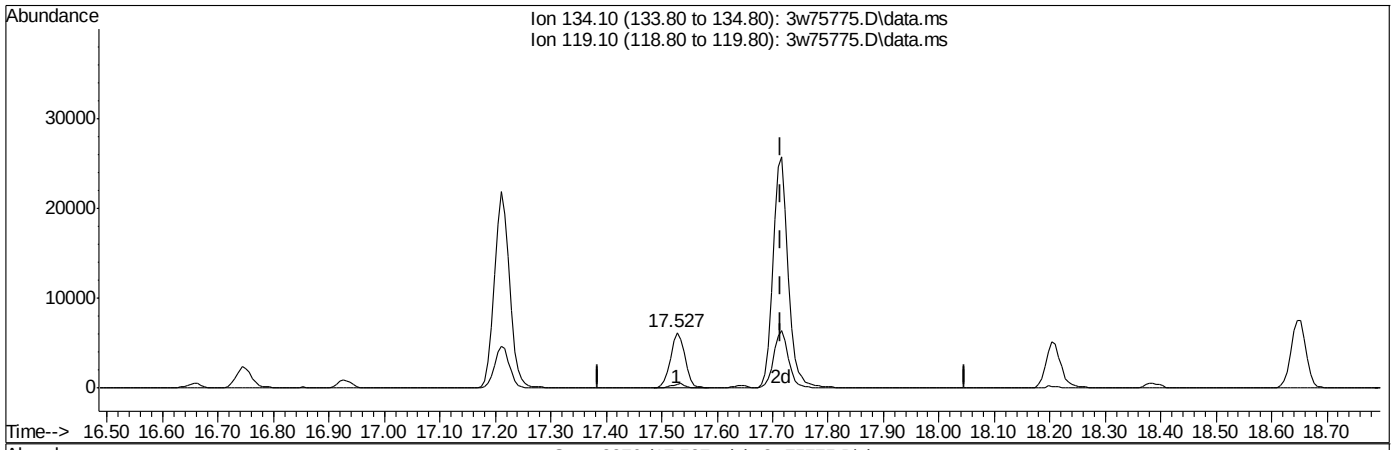
Sample Number:	V3W2981-IC2981	**Method:**	TO-15
Lab FileID:	3W75775.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 04:39	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

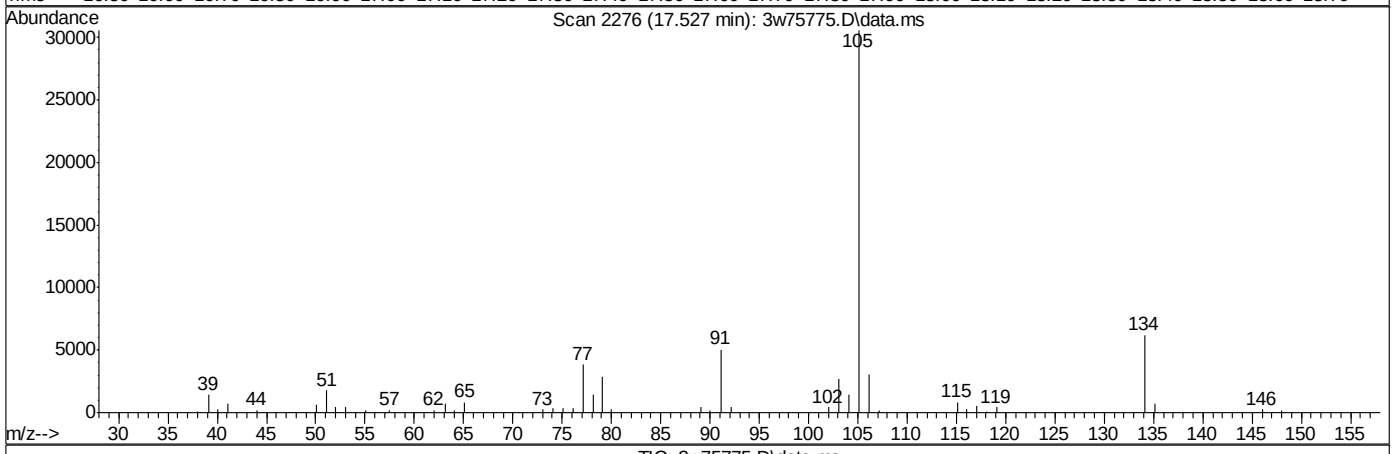
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:26 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration





TIC: 3w75775.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 0.53PPBV

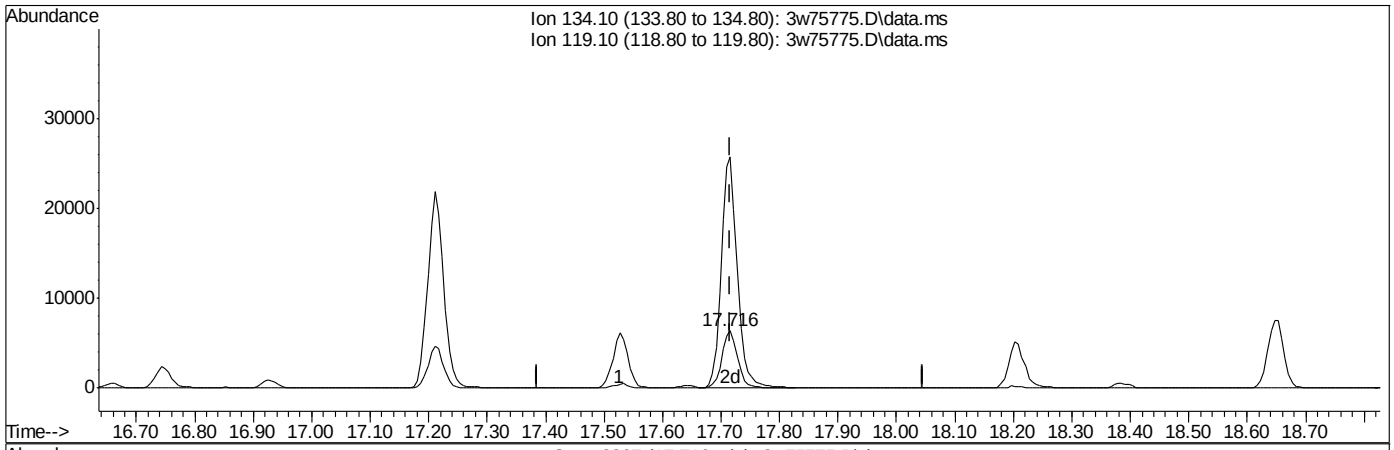
response 11237

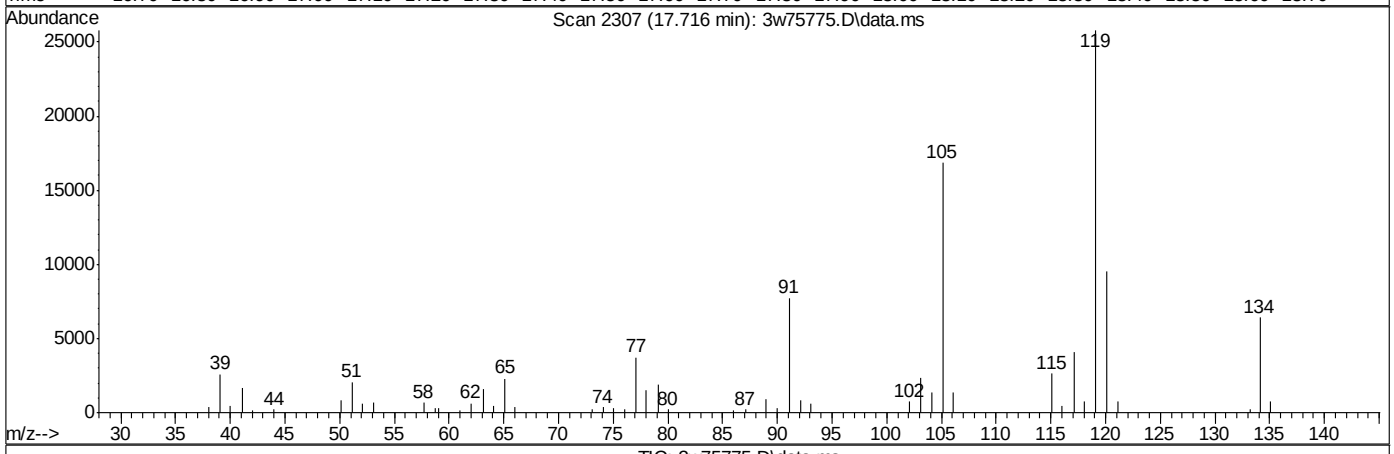
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75775.D
Acq On : 23 Apr 2022 4:39 am
Operator : thomash
Sample : ic2981-0.5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 22:14:50 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:14:18 2022
Response via : Initial Calibration





TIC: 3w75775.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (0.000) 0.56PPBV m

response 11975

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.63
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	115979	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	595897	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	288862	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	329459	10.73	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.30%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	44757	4.67	PPBV		99
4) CHLORODIFLUOROMETHANE	4.393	67	24897	4.90	PPBV		96
5) CHLOROTRIFLUOROETHENE	4.424	116	108917	4.74	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	255251	4.79	PPBV		100
7) PROPYLENE	4.417	41	67407	4.58	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	184546	4.73	PPBV		100
9) FREON 114	4.673	85	188905	4.72	PPBV		100
10) CHLOROMETHANE	4.600	52	19999	4.52	PPBV	#	79
11) VINYL CHLORIDE	4.770	62	65587	4.64	PPBV		100
12) 1,3-BUTADIENE	4.874	54	49983	4.46	PPBV		99
13) n-BUTANE	4.910	43	101763	4.55	PPBV		96
14) BROMOMETHANE	5.081	94	61417	4.09	PPBV		100
15) CHLOROETHANE	5.202	64	30098	4.52	PPBV		85
16) DICHLOROFLUOROMETHANE	5.263	67	155255	4.51	PPBV		100
17) ACETONITRILE	5.452	41	56306	4.77	PPBV		96
18) ACROLEIN	5.549	56	22518	4.35	PPBV		97
19) FREON 123	5.561	83	165717	4.70	PPBV		99
20) FREON 123A	5.604	117	99361	4.68	PPBV		99
21) TRICHLOROFLUOROMETHANE	5.780	101	220304	4.68	PPBV		100
22) ISOPROPYL ALCOHOL	5.823	45	139295	4.34	PPBV		99
23) ACETONE	5.646	58	32570	4.16	PPBV		100
24) PENTANE	6.042	42	80480	4.55	PPBV		98
25) IODOMETHANE	6.230	142	212331	4.67	PPBV		99
26) 1,1-DICHLOROETHYLENE	6.273	96	75782	4.69	PPBV		100
27) CARBON DISULFIDE	6.632	76	216412	4.70	PPBV		99
28) ETHANOL	5.281	45	27134	3.69	PPBV		98
29) BROMOETHENE	5.470	106	67948	4.61	PPBV		99
30) ACRYLONITRILE	5.993	52	47993	4.68	PPBV		97
31) METHYLENE CHLORIDE	6.358	84	67006	4.37	PPBV		100
32) 3-CHLOROPROPENE	6.455	76	35588	4.77	PPBV		97
33) FREON 113	6.559	151	138546	4.71	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.112	96	78250	4.62	PPBV		99
35) TERTIARY BUTYL ALCOHOL	6.285	59	149750	4.69	PPBV		98
36) METHYL TERTIARY BUTYL ...	7.313	73	232479	4.71	PPBV		100
37) TETRAHYDROFURAN	8.603	72	35332	4.68	PPBV		99
38) HEXANE	8.141	57	115701	4.75	PPBV		99
39) VINYL ACETATE	7.374	86	13332	4.92	PPBV	#	88
40) 1,1-DICHLOROETHANE	7.283	63	137074	4.68	PPBV		100
41) METHYL ETHYL KETONE	7.599	72	36198	4.73	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.982	96	80762	4.67	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.122	59	34684	4.79	PPBV		97
44) ETHYL ACETATE	8.141	61	24717	4.86	PPBV		97
45) METHYL ACRYLATE	8.141	55	141614	4.70	PPBV		99
46) CHLOROFORM	8.238	83	176388	4.65	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.919	57	137243	4.72	PPBV		99
48) 1,1,1-TRICHLOROETHANE	9.120	97	201202	4.75	PPBV		100
49) CARBON TETRACHLORIDE	9.674	117	214728	4.85	PPBV		100
50) 1,2-DICHLOROETHANE	8.889	62	122237	4.76	PPBV		99
52) BENZENE	9.540	78	237274	4.81	PPBV		100
53) CYCLOHEXANE	9.789	84	101374	4.52	PPBV		93
54) 2,3-DIMETHYLPENTANE	9.990	71	51345	4.86	PPBV		100
55) TRICHLOROETHYLENE	10.513	95	111609	4.68	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	86823	4.74	PPBV		100
57) DIBROMOMETHANE	10.270	174	112313	4.88	PPBV		98
58) ETHYL ACRYLATE	10.264	55	177127	4.88	PPBV		100
59) BROMODICHLOROMETHANE	10.477	83	197033	4.87	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	379489	4.85	PPBV		99
61) 1,4-DIOXANE	10.513	88	51236	4.78	PPBV	#	93
62) HEPTANE	10.769	43	145467	4.76	PPBV		100
63) METHYL METHACRYLATE	10.677	69	85166	4.77	PPBV		99
64) METHYL ISOBUTYL KETONE	11.359	58	69317	4.80	PPBV		99
65) cis-1,3-DICHLOROPROPENE	11.328	75	144294	4.85	PPBV		100
66) TOLUENE	12.296	92	171863	4.86	PPBV		100
67) 1,3-DICHLOROPROPANE	12.320	76	139316	4.90	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	136717	4.87	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.022	83	83274	4.79	PPBV		99
71) 2-HEXANONE	12.545	58	91028	5.07	PPBV		98
72) ETHYL METHACRYLATE	12.545	69	142886	5.16	PPBV		100
73) TETRACHLOROETHYLENE	13.445	164	130235	4.78	PPBV		100
74) DIBROMOCHLOROMETHANE	12.728	129	204608	5.14	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	161668	5.13	PPBV		100
76) OCTANE	13.275	43	201152	5.11	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	143098	5.08	PPBV		100
78) CHLOROBENZENE	14.151	112	233313	5.10	PPBV		100
79) ETHYLBENZENE	14.541	91	391849	5.15	PPBV		100
80) m,p-XYLENE	14.735	106	296530	10.42	PPBV		99
81) o-XYLENE	15.240	106	143767	5.16	PPBV		99
82) STYRENE	15.125	104	221678	5.20	PPBV		99
83) NONANE	15.471	43	206639	5.19	PPBV		100
84) BROMOFORM	14.826	173	194360	5.14	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	195965	5.17	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	15.380	75	161014	5.02	PPBV		99
88) ISOPROPYLBENZENE	15.897	105	455184	5.24	PPBV		99
89) BROMOBENZENE	16.007	77	191344	5.04	PPBV		99
90) 2-CHLOROTOLUENE	16.451	126	107182	5.16	PPBV		99
91) n-PROPYLBENZENE	16.487	120	120324	5.25	PPBV		100
92) 4-ETHYLTOLUENE	16.658	105	422429	5.37	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	361647	5.21	PPBV		100
94) ALPHA-METHYLSTYRENE	16.931	118	177490	5.41	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	85055	5.29	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration

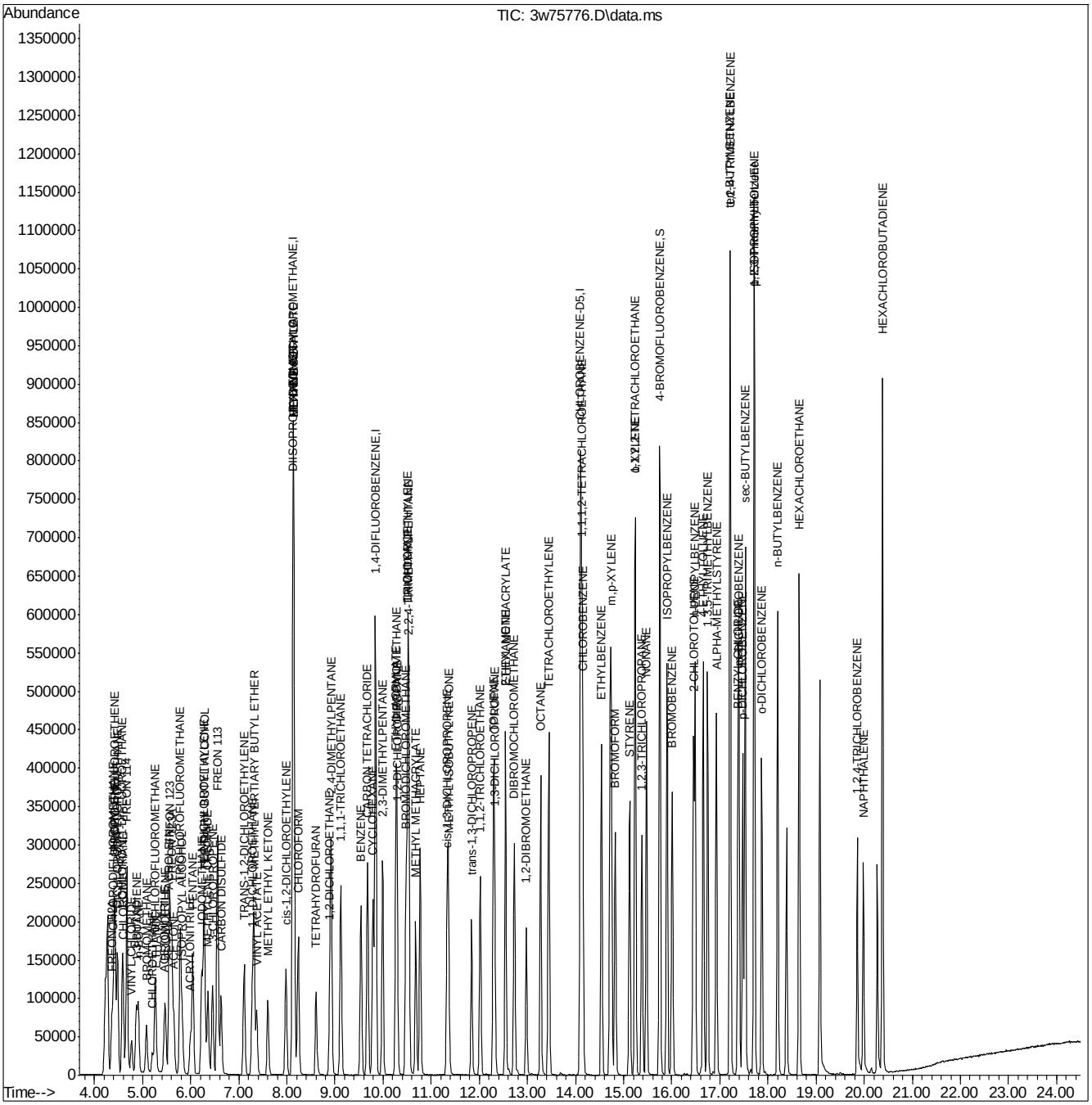
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	355259	5.40	PPBV		99
97) m-DICHLOROBENZENE	17.400	146	217720	5.26	PPBV		99
98) BENZYL CHLORIDE	17.375	91	262182	5.40	PPBV		100
99) p-DICHLOROBENZENE	17.479	146	214754	5.24	PPBV		99
100) sec-BUTYLBENZENE	17.528	134	107604	5.20	PPBV		97
101) 1,2,3-Trimethylbenzene	17.716	105	355859	5.24	PPBV		99
102) p-ISOPROPYLTOLUENE	17.716	134	115256m	5.38	PPBV		
103) o-DICHLOROBENZENE	17.868	146	208592	5.24	PPBV		99
104) n-BUTYLBENZENE	18.203	134	102724	5.33	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	147186	5.14	PPBV		100
106) HEXACHLOROBUTADIENE	20.381	225	193786	5.10	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	19.858	180	120191	5.19	PPBV		100
108) NAPHTHALENE	19.979	128	260432	5.09	PPBV		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration



Manual Integration Approval Summary

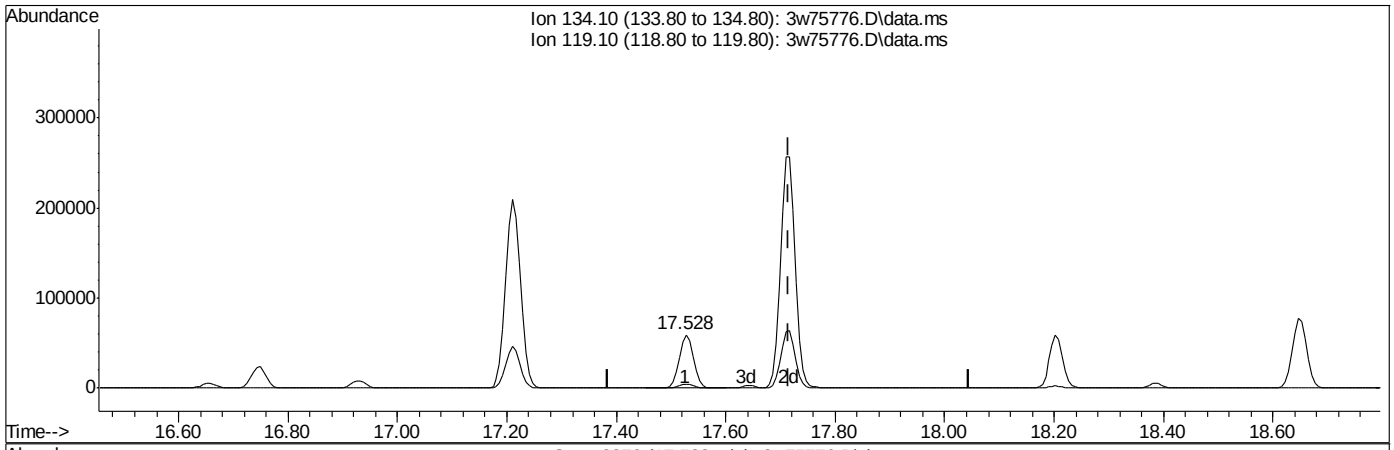
Sample Number:	V3W2981-IC2981	**Method:**	TO-15
Lab FileID:	3W75776.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 05:26	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

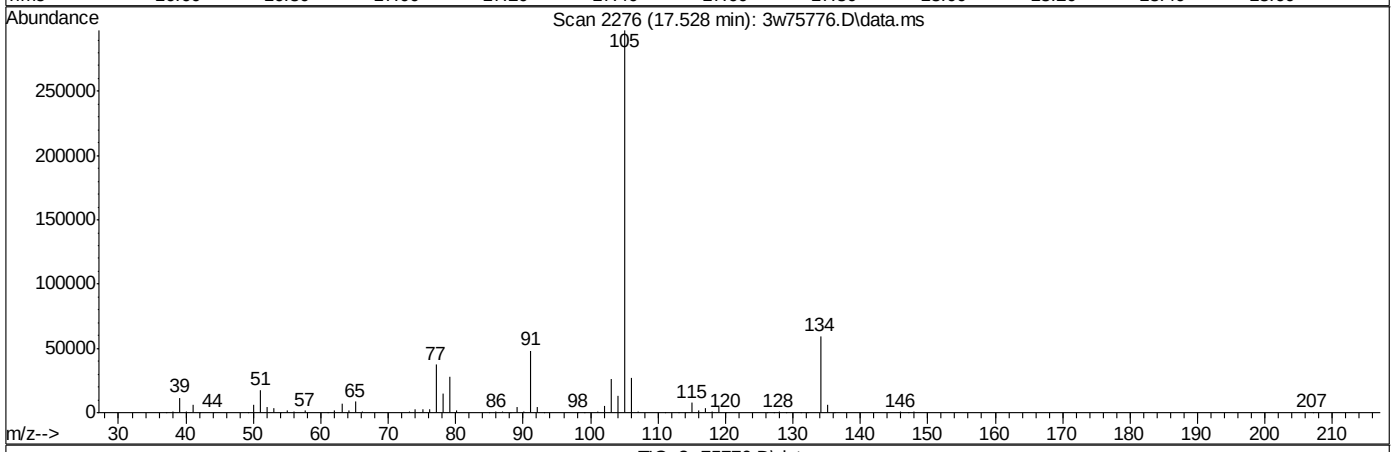
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:26 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration





TIC: 3w75776.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.528min (-0.188) 5.02PPBV

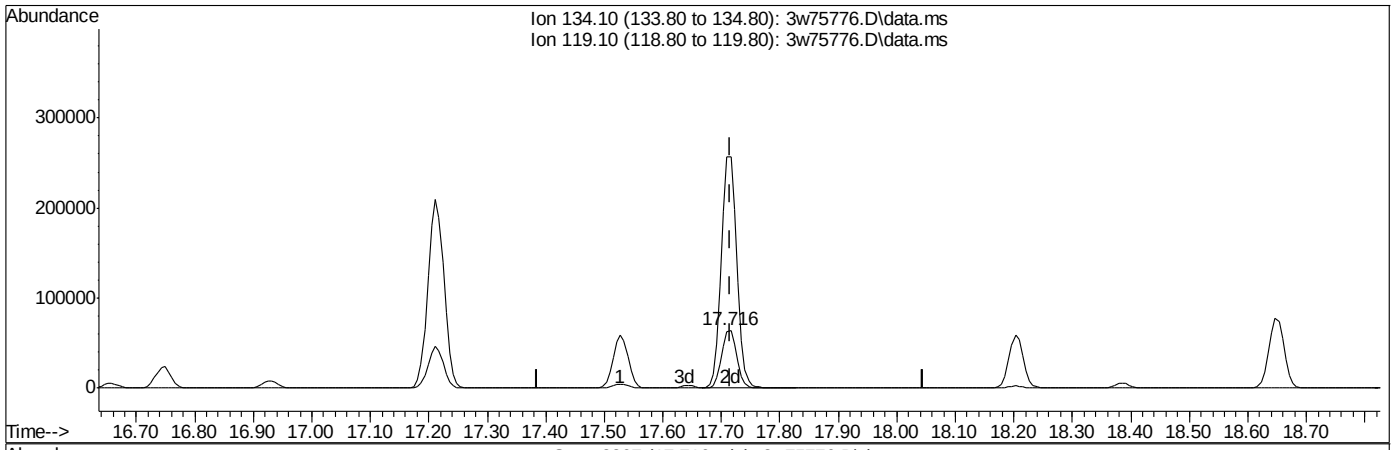
response 107604

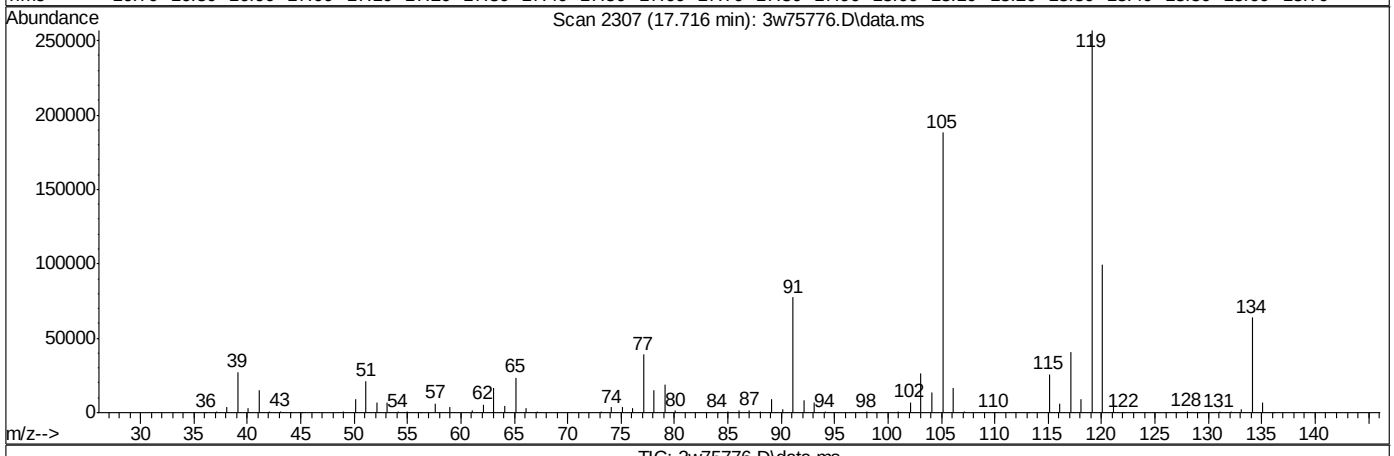
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75776.D
Acq On : 23 Apr 2022 5:26 am
Operator : thomash
Sample : ic2981-5
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:15:44 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:15:00 2022
Response via : Initial Calibration





TIC: 3w75776.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (+0.000) 5.38PPBV m

response 115256

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.04
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:17:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	116517	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	602060	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	299982	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	330757	10.37	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.70%				
Target Compounds							Qvalue
3) FREON 152A	4.357	65	93678	9.73	PPBV		100
4) CHLORODIFLUOROMETHANE	4.393	67	50092	9.81	PPBV		100
5) CHLOROTRIFLUOROETHENE	4.423	116	226099	9.80	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	527619	9.85	PPBV		100
7) PROPYLENE	4.417	41	138294	9.35	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	377372	9.62	PPBV		100
9) FREON 114	4.673	85	387549	9.65	PPBV		100
10) CHLOROMETHANE	4.606	52	41636	9.36	PPBV		100
11) VINYL CHLORIDE	4.764	62	135408	9.54	PPBV		100
12) 1,3-BUTADIENE	4.868	54	103385	9.18	PPBV		100
13) n-BUTANE	4.904	43	205415	9.15	PPBV		100
14) BROMOMETHANE	5.080	94	125865	8.34	PPBV		100
15) CHLOROETHANE	5.202	64	61263	9.15	PPBV		100
16) DICHLOROFLUOROMETHANE	5.263	67	317541	9.18	PPBV		100
17) ACETONITRILE	5.452	41	116745	9.73	PPBV		100
18) ACROLEIN	5.549	56	46858	9.01	PPBV		100
19) FREON 123	5.561	83	341225	9.63	PPBV		100
20) FREON 123A	5.604	117	203239	9.53	PPBV		100
21) TRICHLOROFLUOROMETHANE	5.780	101	455603	9.63	PPBV		100
22) ISOPROPYL ALCOHOL	5.817	45	291479	9.04	PPBV		100
23) ACETONE	5.646	58	67005	8.52	PPBV		100
24) PENTANE	6.042	42	167494	9.43	PPBV		100
25) IODOMETHANE	6.224	142	441001	9.66	PPBV		100
26) 1,1-DICHLOROETHYLENE	6.273	96	156470	9.63	PPBV		100
27) CARBON DISULFIDE	6.632	76	454902	9.83	PPBV		100
28) ETHANOL	5.281	45	57623	7.81	PPBV		100
29) BROMOETHENE	5.470	106	141078	9.54	PPBV		100
30) ACRYLONITRILE	5.993	52	103350	10.04	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	137961	8.96	PPBV		100
32) 3-CHLOROPROPENE	6.449	76	73111	9.76	PPBV		100
33) FREON 113	6.553	151	284145	9.61	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	7.106	96	164391	9.65	PPBV		100
35) TERTIARY BUTYL ALCOHOL	6.285	59	314099	9.79	PPBV		100
36) METHYL TERTIARY BUTYL ...	7.313	73	479800	9.68	PPBV		100
37) TETRAHYDROFURAN	8.597	72	74096	9.77	PPBV		100
38) HEXANE	8.141	57	239799	9.79	PPBV		100
39) VINYL ACETATE	7.374	86	27667	10.16	PPBV		100
40) 1,1-DICHLOROETHANE	7.277	63	286046	9.73	PPBV		100
41) METHYL ETHYL KETONE	7.599	72	75773	9.86	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.982	96	168689	9.72	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:17:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) DIISOPROPYL ETHER	8.122	59	72061	9.91	PPBV	100
44) ETHYL ACETATE	8.141	61	51071	9.99	PPBV	100
45) METHYL ACRYLATE	8.141	55	296769	9.80	PPBV	100
46) CHLOROFORM	8.238	83	364041	9.54	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.919	57	283206	9.69	PPBV	100
48) 1,1,1-TRICHLOROETHANE	9.120	97	412425	9.68	PPBV	100
49) CARBON TETRACHLORIDE	9.674	117	441903	9.93	PPBV	100
50) 1,2-DICHLOROETHANE	8.889	62	250423	9.70	PPBV	100
52) BENZENE	9.540	78	485693	9.74	PPBV	100
53) CYCLOHEXANE	9.789	84	209282	9.23	PPBV	100
54) 2,3-DIMETHYLPENTANE	9.990	71	105824	9.92	PPBV	100
55) TRICHLOROETHYLENE	10.513	95	232327	9.63	PPBV	100
56) 1,2-DICHLOROPROPANE	10.294	63	179188	9.68	PPBV	100
57) DIBROMOMETHANE	10.276	174	228776	9.84	PPBV	100
58) ETHYL ACRYLATE	10.258	55	367843	10.04	PPBV	100
59) BROMODICHLOROMETHANE	10.477	83	410008	10.04	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	787647	9.96	PPBV	100
61) 1,4-DIOXANE	10.513	88	107466	9.92	PPBV	100
62) HEPTANE	10.769	43	303160	9.82	PPBV	100
63) METHYL METHACRYLATE	10.677	69	176443	9.78	PPBV	100
64) METHYL ISOBUTYL KETONE	11.353	58	143906	9.87	PPBV	100
65) cis-1,3-DICHLOROPROPENE	11.328	75	300265	9.99	PPBV	100
66) TOLUENE	12.296	92	357338	10.00	PPBV	100
67) 1,3-DICHLOROPROPANE	12.320	76	288551	10.05	PPBV	100
68) trans-1,3-DICHLOROPROPENE	11.839	75	288387	10.18	PPBV	100
69) 1,1,2-TRICHLOROETHANE	12.022	83	174959	9.96	PPBV	100
71) 2-HEXANONE	12.545	58	193493	10.37	PPBV	100
72) ETHYL METHACRYLATE	12.545	69	302347	10.51	PPBV	100
73) TETRACHLOROETHYLENE	13.445	164	267830	9.46	PPBV	100
74) DIBROMOCHLOROMETHANE	12.728	129	426971	10.34	PPBV	100
75) 1,2-DIBROMOETHANE	12.977	107	336244	10.27	PPBV	100
76) OCTANE	13.275	43	415621	10.17	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	299077	10.22	PPBV	100
78) CHLOROBENZENE	14.151	112	487237	10.25	PPBV	100
79) ETHYLBENZENE	14.540	91	813896	10.29	PPBV	100
80) m,p-XYLENE	14.735	106	617141	20.88	PPBV	100
81) o-XYLENE	15.246	106	296906	10.25	PPBV	100
82) STYRENE	15.124	104	467816	10.57	PPBV	100
83) NONANE	15.471	43	431340	10.43	PPBV	100
84) BROMOFORM	14.826	173	413900	10.53	PPBV	100
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	408034	10.36	PPBV	100
87) 1,2,3-TRICHLOROPROPANE	15.380	75	336815	10.10	PPBV	100
88) ISOPROPYLBENZENE	15.903	105	928523	10.29	PPBV	100
89) BROMOBENZENE	16.007	77	402513	10.20	PPBV	100
90) 2-CHLOROTOLUENE	16.451	126	223461	10.36	PPBV	100
91) n-PROPYLBENZENE	16.487	120	248922	10.45	PPBV	100
92) 4-ETHYLTOLUENE	16.658	105	877017	10.73	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	16.749	105	750905	10.41	PPBV	100
94) ALPHA-METHYLSTYRENE	16.931	118	370376	10.86	PPBV	100
95) tert-BUTYLBENZENE	17.211	134	173309	10.38	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:17:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration

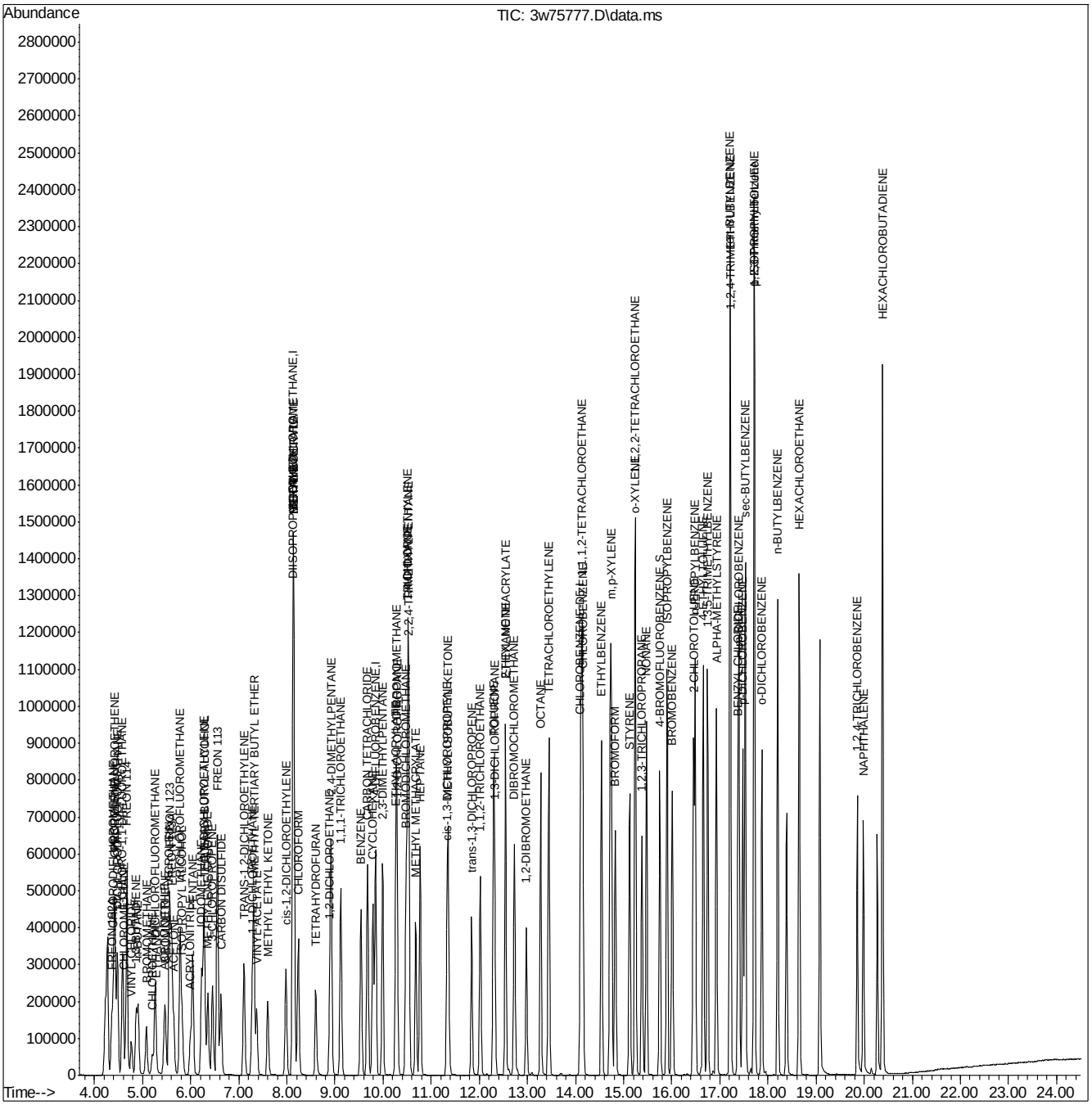
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.223	105	731121	10.71	PPBV	100
97) m-DICHLOROBENZENE	17.400	146	454013	10.56	PPBV	100
98) BENZYL CHLORIDE	17.375	91	560326	11.11	PPBV	100
99) p-DICHLOROBENZENE	17.479	146	455074	10.69	PPBV	100
100) sec-BUTYLBENZENE	17.528	134	224917	10.47	PPBV	100
101) 1,2,3-Trimethylbenzene	17.716	105	742439	10.52	PPBV	100
102) p-ISOPROPYLTOLUENE	17.716	134	238009m	10.60	PPBV	
103) o-DICHLOROBENZENE	17.874	146	439515	10.63	PPBV	100
104) n-BUTYLBENZENE	18.203	134	218840	10.93	PPBV #	1
105) HEXACHLOROETHANE	18.647	117	310116	10.43	PPBV	100
106) HEXACHLOROBUTADIENE	20.381	225	410862	10.41	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	19.858	180	286991	11.94	PPBV	100
108) NAPHTHALENE	19.979	128	623527	11.73	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:17:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration



Manual Integration Approval Summary

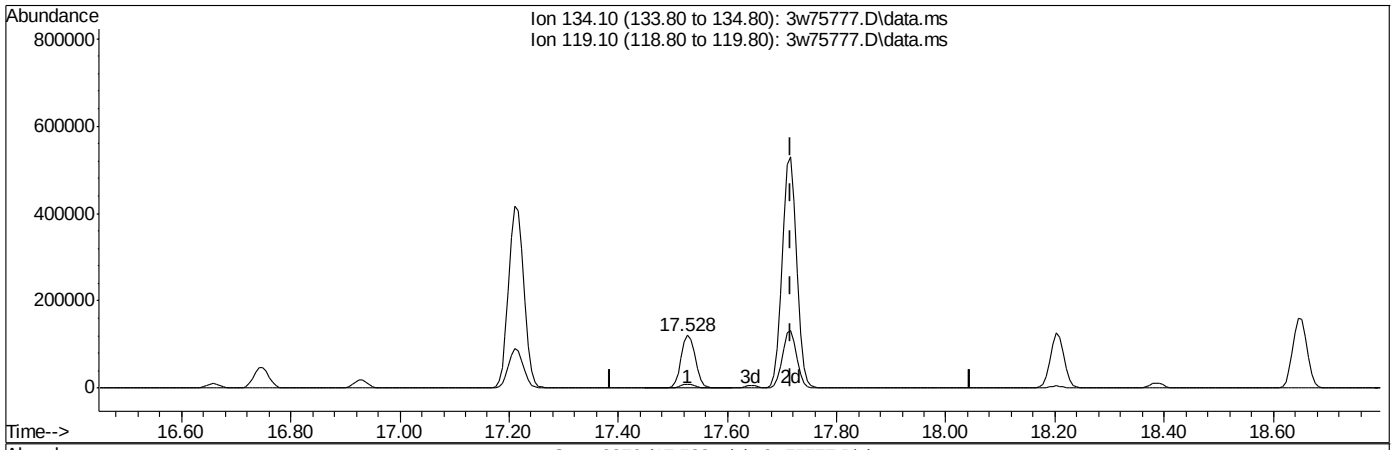
Sample Number:	V3W2981-ICC2981	**Method:**	TO-15
Lab FileID:	3W75777.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 06:12	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

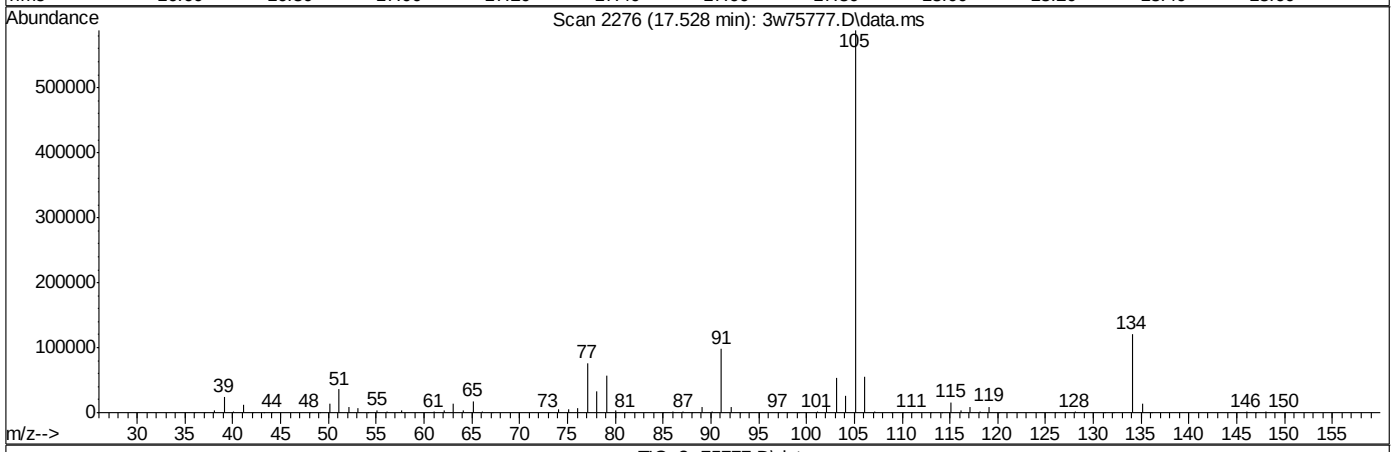
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:16:45 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration





TIC: 3w75777.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.528min (-0.189) 10.02PPBV

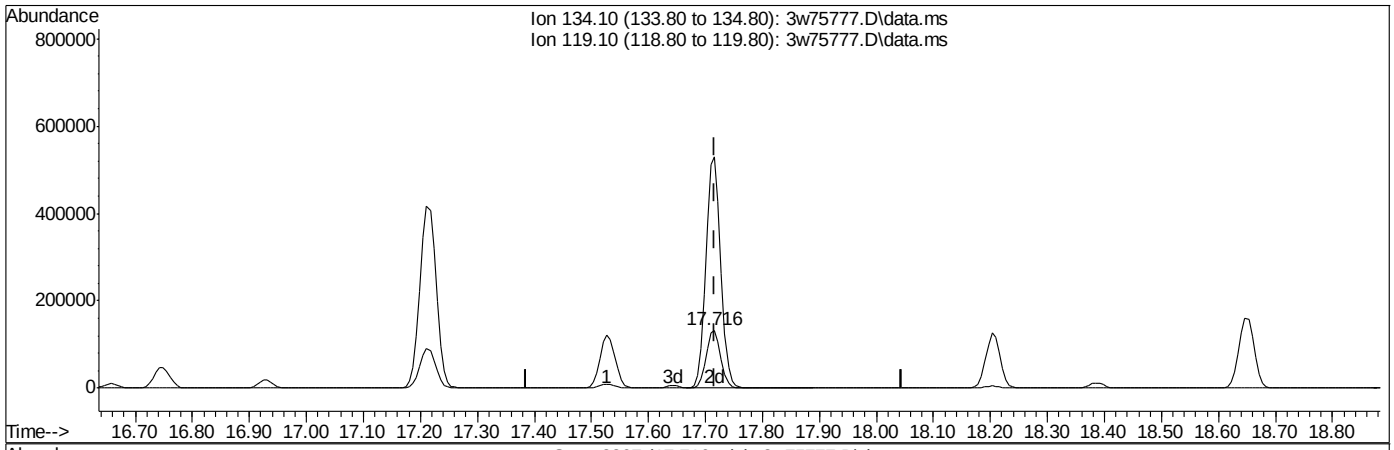
response 224917

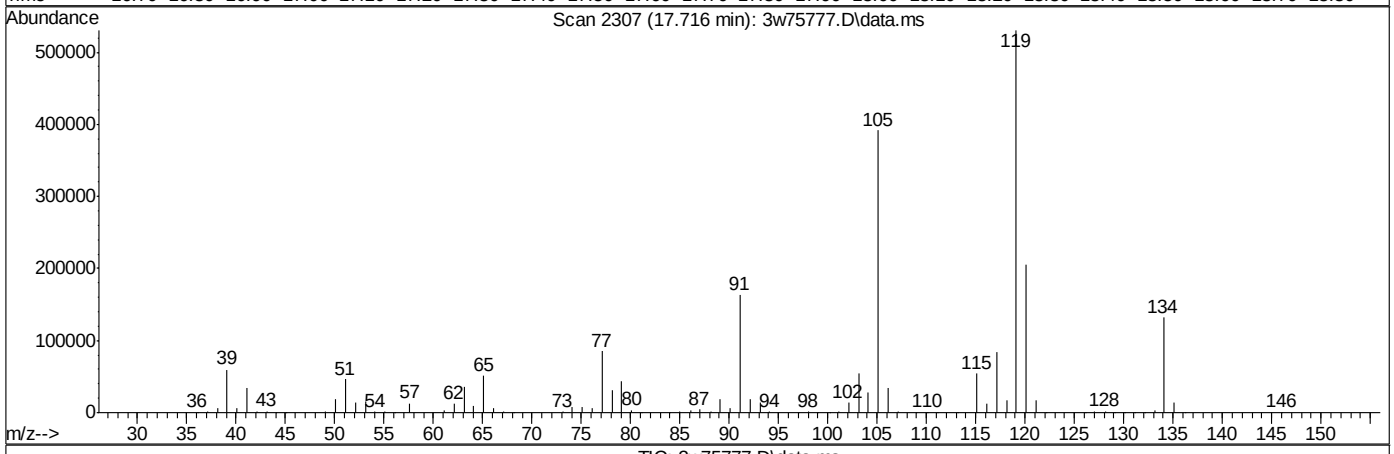
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75777.D
Acq On : 23 Apr 2022 6:12 am
Operator : thomash
Sample : icc2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:17:08 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:16:00 2022
Response via : Initial Calibration





TIC: 3w75777.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (+0.000) 10.60PPBV m

response 238009

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.78
0.00	0.00	0.00
0.00	0.00	0.00

3W75778.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:11 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	118428	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	623479	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.108	82	325410	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	361403	10.29	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.90%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	192961	18.91	PPBV		100
4) CHLORODIFLUOROMETHANE	4.393	67	104021	20.27	PPBV		99
5) CHLOROTRIFLUOROETHENE	4.423	116	461144	18.10	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	1081716	18.52	PPBV		100
7) PROPYLENE	4.417	41	285320	16.58	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	761446	17.51	PPBV		99
9) FREON 114	4.673	85	782359	17.72	PPBV		100
10) CHLOROMETHANE	4.600	52	84088	16.35	PPBV	#	86
11) VINYL CHLORIDE	4.770	62	275588	17.45	PPBV		99
12) 1,3-BUTADIENE	4.867	54	211230	15.25	PPBV		100
13) n-BUTANE	4.904	43	425700	15.74	PPBV		99
14) BROMOMETHANE	5.080	94	253771	12.82	PPBV		99
15) CHLOROETHANE	5.202	64	125927	15.86	PPBV		99
16) DICHLOROFLUOROMETHANE	5.263	67	643212	15.46	PPBV		100
17) ACETONITRILE	5.451	41	242069	20.74	PPBV		100
18) ACROLEIN	5.549	56	96078	15.72	PPBV		98
19) FREON 123	5.561	83	693611	17.75	PPBV		100
20) FREON 123A	5.604	117	415021	17.77	PPBV		100
21) TRICHLOROFLUOROMETHANE	5.780	101	930285	18.01	PPBV		100
22) ISOPROPYL ALCOHOL	5.823	45	601264	16.00	PPBV		99
23) ACETONE	5.646	58	137704	13.72	PPBV		99
24) PENTANE	6.042	42	347877	17.33	PPBV		99
25) IODOMETHANE	6.230	142	904578	18.14	PPBV		99
26) 1,1-DICHLOROETHYLENE	6.273	96	325050	19.19	PPBV		99
27) CARBON DISULFIDE	6.632	76	935784	19.10	PPBV		100
28) ETHANOL	5.281	45	114910	7.73	PPBV		99
29) BROMOETHENE	5.470	106	285999	17.88	PPBV		99
30) ACRYLONITRILE	5.999	52	216252	20.81	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	287643	11.80	PPBV		99
32) 3-CHLOROPROPENE	6.455	76	155182	20.79	PPBV		97
33) FREON 113	6.559	151	584556	18.15	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.112	96	342866	19.23	PPBV		100
35) TERTIARY BUTYL ALCOHOL	6.285	59	650868	18.77	PPBV		100
36) METHYL TERTIARY BUTYL ...	7.313	73	987088	18.25	PPBV		100
37) TETRAHYDROFURAN	8.597	72	153789	19.89	PPBV		99
38) HEXANE	8.146	57	494417	18.60	PPBV		99
39) VINYL ACETATE	7.374	86	58393	22.25	PPBV	#	91
40) 1,1-DICHLOROETHANE	7.283	63	590000	18.66	PPBV		100
41) METHYL ETHYL KETONE	7.599	72	157590	21.54	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.982	96	351050	19.46	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:11 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	149456	21.13	PPBV		97
44) ETHYL ACETATE	8.140	61	106488	20.66	PPBV	#	94
45) METHYL ACRYLATE	8.146	55	614157	18.82	PPBV		100
46) CHLOROFORM	8.238	83	745481	17.99	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.925	57	589744	18.79	PPBV		99
48) 1,1,1-TRICHLOROETHANE	9.120	97	841158	18.32	PPBV		99
49) CARBON TETRACHLORIDE	9.673	117	899928	18.70	PPBV		100
50) 1,2-DICHLOROETHANE	8.895	62	517634	18.86	PPBV		100
52) BENZENE	9.540	78	1004743	17.63	PPBV		100
53) CYCLOHEXANE	9.789	84	436566	15.76	PPBV		96
54) 2,3-DIMETHYLPENTANE	9.990	71	221717	18.89	PPBV		99
55) TRICHLOROETHYLENE	10.513	95	478362	18.48	PPBV		99
56) 1,2-DICHLOROPROPANE	10.294	63	374552	18.49	PPBV		100
57) DIBROMOMETHANE	10.276	174	464495	16.99	PPBV		99
58) ETHYL ACRYLATE	10.264	55	775830	19.77	PPBV		100
59) BROMODICHLOROMETHANE	10.483	83	845558	18.73	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	1627844	18.40	PPBV		100
61) 1,4-DIOXANE	10.507	88	224497	18.99	PPBV	#	26
62) HEPTANE	10.775	43	632280	18.32	PPBV		100
63) METHYL METHACRYLATE	10.677	69	373398	19.52	PPBV		100
64) METHYL ISOBUTYL KETONE	11.353	58	306264	19.41	PPBV		99
65) cis-1,3-DICHLOROPROPENE	11.334	75	630669	19.27	PPBV		100
66) TOLUENE	12.302	92	736785	18.73	PPBV		100
67) 1,3-DICHLOROPROPANE	12.320	76	597708	18.84	PPBV		100
68) trans-1,3-DICHLOROPROPENE	11.839	75	602346	19.94	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.022	83	366298	19.14	PPBV		99
71) 2-HEXANONE	12.545	58	403558	17.46	PPBV		99
72) ETHYL METHACRYLATE	12.545	69	618071	17.42	PPBV		99
73) TETRACHLOROETHYLENE	13.445	164	546831	15.94	PPBV		99
74) DIBROMOCHLOROMETHANE	12.734	129	877019	16.80	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	699206	17.24	PPBV		100
76) OCTANE	13.275	43	864352	17.02	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	610502	16.34	PPBV		98
78) CHLOROBENZENE	14.151	112	998371	16.77	PPBV		100
79) ETHYLBENZENE	14.540	91	1663299	16.59	PPBV		99
80) m,p-XYLENE	14.735	106	1262450	34.20	PPBV		99
81) o-XYLENE	15.246	106	611499	16.83	PPBV		99
82) STYRENE	15.130	104	971722	18.38	PPBV		99
83) NONANE	15.477	43	893156	17.66	PPBV		99
84) BROMOFORM	14.832	173	858577	17.80	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	849143	17.17	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	15.386	75	704933	16.82	PPBV		100
88) ISOPROPYLBENZENE	15.903	105	1884235	16.53	PPBV		99
89) BROMOBENZENE	16.013	77	841438	17.22	PPBV		100
90) 2-CHLOROTOLUENE	16.451	126	456212	17.28	PPBV		99
91) n-PROPYLBENZENE	16.487	120	506140	17.32	PPBV		99
92) 4-ETHYLTOLUENE	16.657	105	1791752	18.71	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.749	105	1530854	17.27	PPBV		99
94) ALPHA-METHYLSTYRENE	16.931	118	774027	19.86	PPBV		100
95) tert-BUTYLBENZENE	17.217	134	350450	16.94	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:11 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration

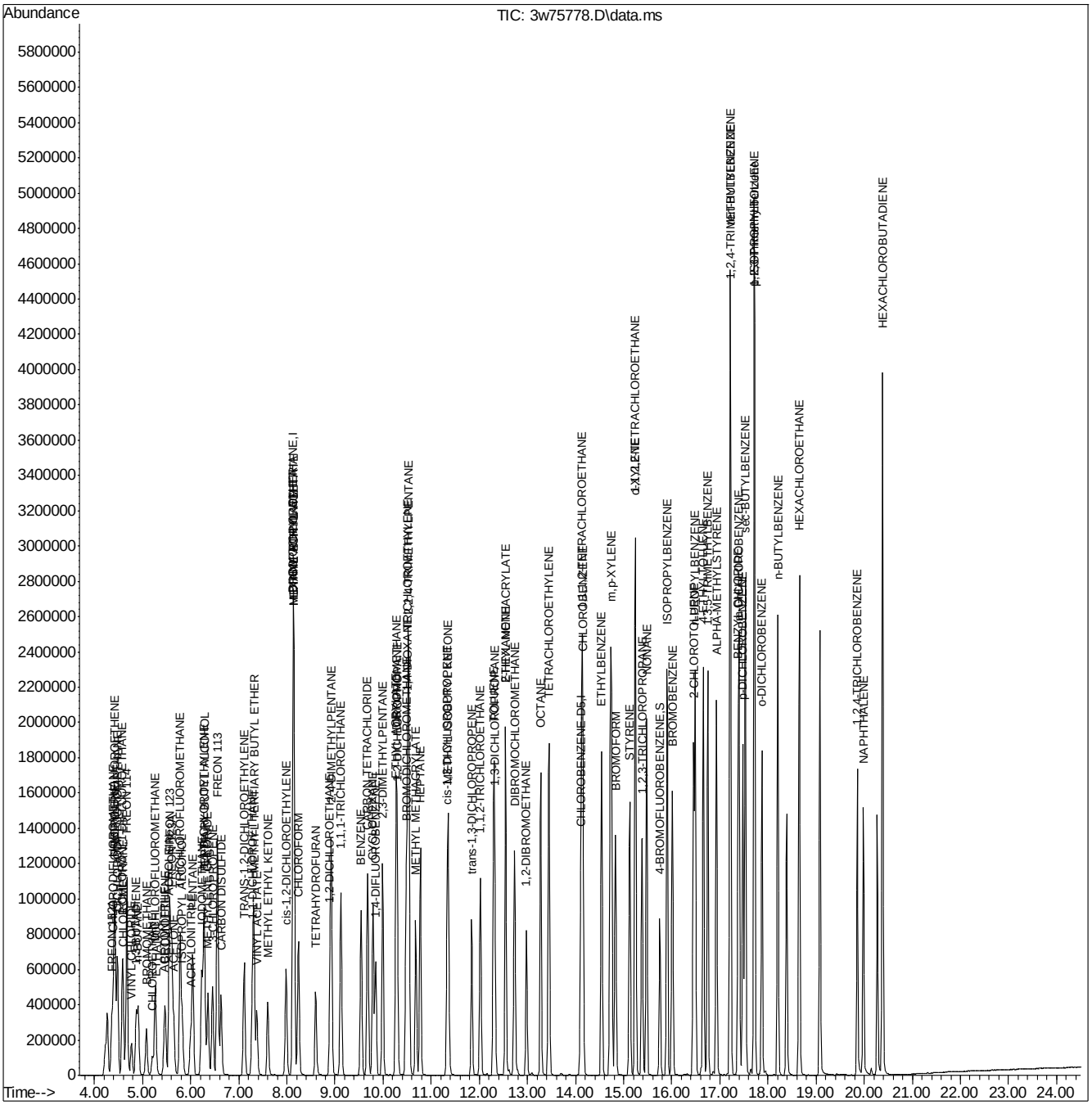
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	1,2,4-TRIMETHYLBENZENE	17.223	105	1486903	18.08	PPBV		98
97)	m-DICHLOROBENZENE	17.400	146	944492	18.51	PPBV		100
98)	BENZYL CHLORIDE	17.381	91	1174130	20.44	PPBV		99
99)	p-DICHLOROBENZENE	17.479	146	933672	18.81	PPBV		99
100)	sec-BUTYLBENZENE	17.527	134	457204	17.67	PPBV		97
101)	1,2,3-Trimethylbenzene	17.716	105	1510397	17.70	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.716	134	485336m	18.09	PPBV		
103)	o-DICHLOROBENZENE	17.874	146	914174	18.64	PPBV		100
104)	n-BUTYLBENZENE	18.209	134	458989	20.43	PPBV	#	1
105)	HEXACHLOROETHANE	18.653	117	648869	18.04	PPBV		98
106)	HEXACHLOROBUTADIENE	20.381	225	840250	16.99	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	19.857	180	638749	27.98	PPBV		99
108)	NAPHTHALENE	19.979	128	1361662	25.65	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:11 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V3W2981-IC2981
Lab FileID: 3W75778.D
Injection Time: 04/23/22 07:00

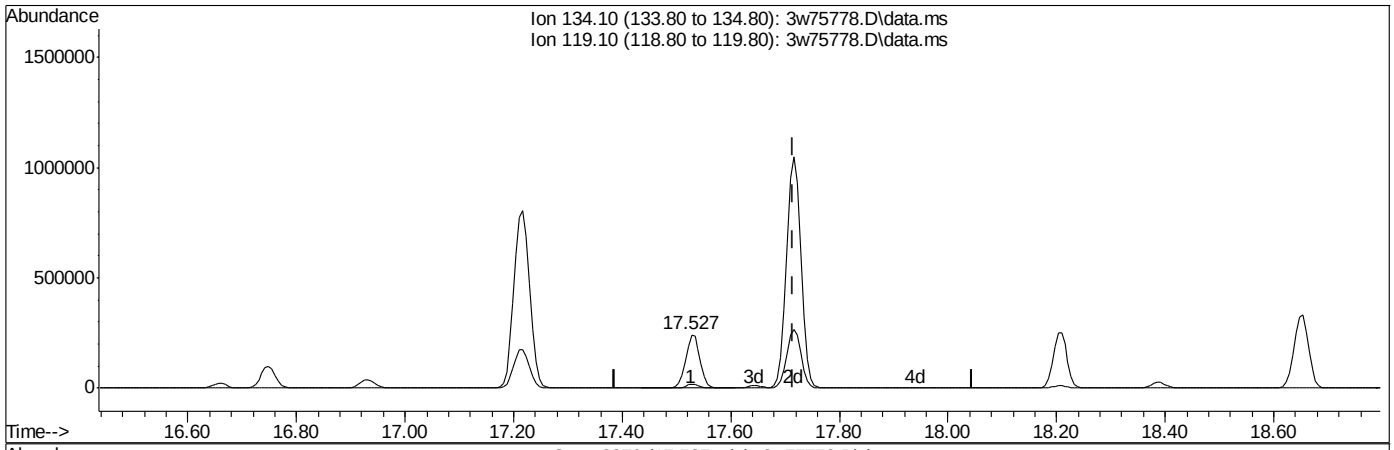
Method: TO-15
Analyst approved: 04/26/22 22:29 Benjamin Kim
Supervisor approved: 04/26/22 23:12 Kanya Veerawat

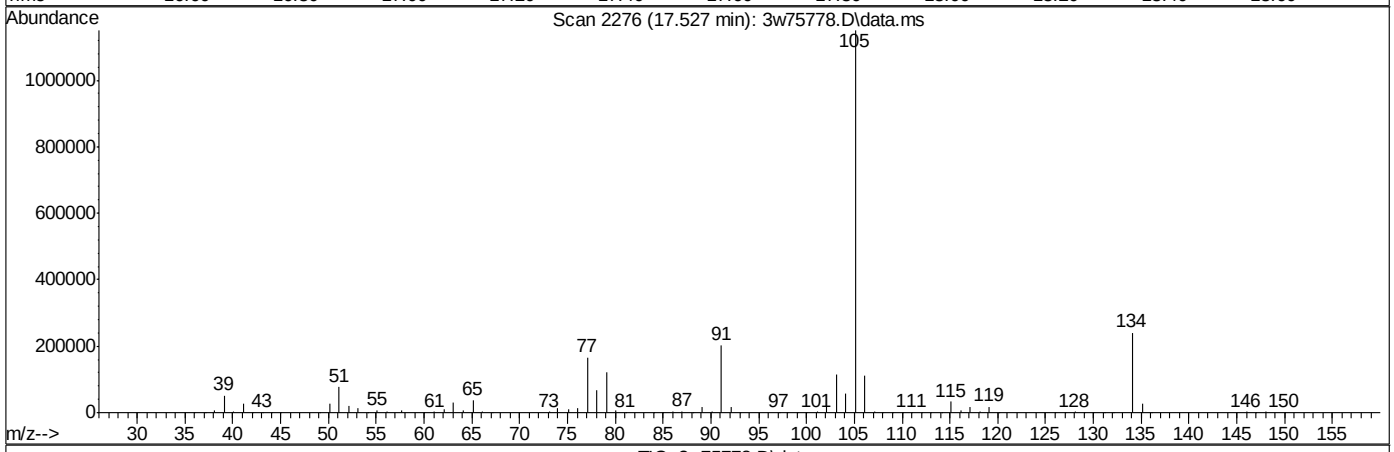
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 21:18:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration





TIC: 3w75778.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 17.04PPBV

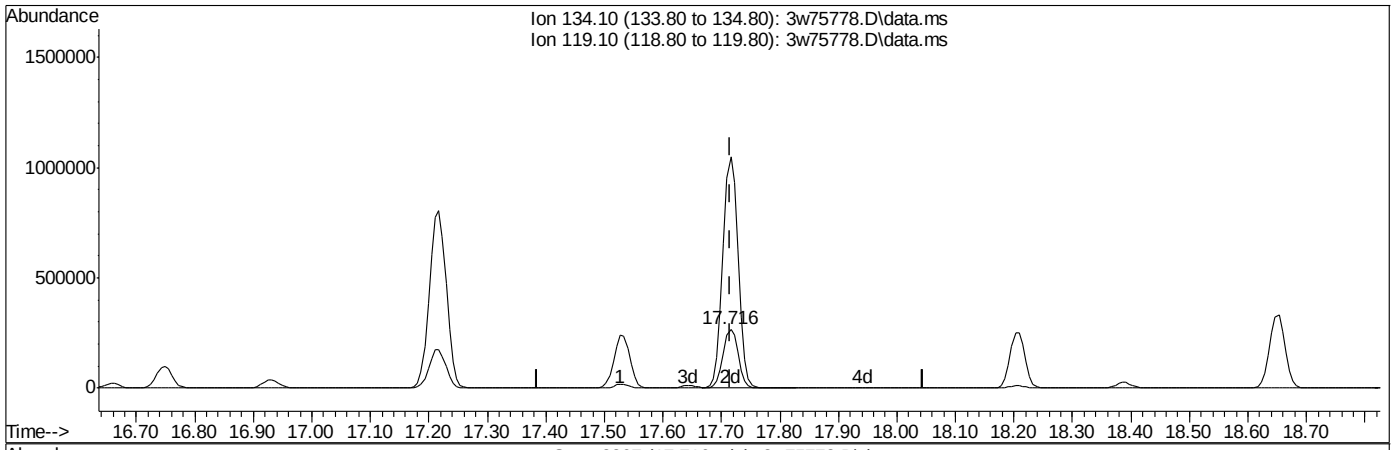
response 457204

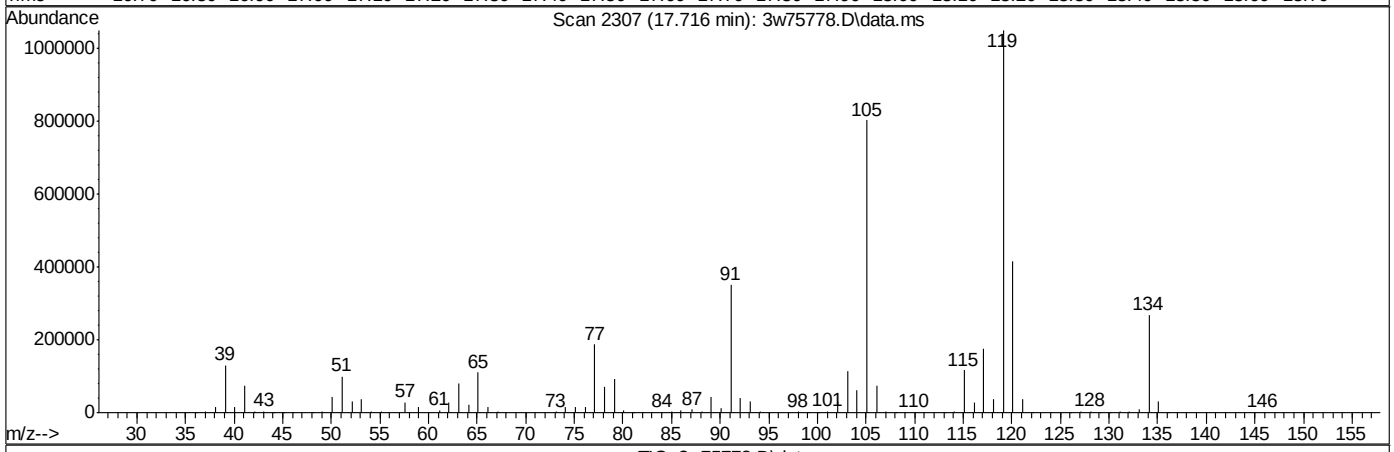
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75778.D
Acq On : 23 Apr 2022 7:00 am
Operator : thomash
Sample : ic2981-20
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:11 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:17:33 2022
Response via : Initial Calibration





TIC: 3w75778.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 18.09PPBV m

response 485336

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.95
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:46 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.141	128	120529	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.850	114	654676	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.109	82	395849	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.757	95	399698	9.32	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.20%				
Target Compounds							Qvalue
3) FREON 152A	4.363	65	396039	38.43	PPBV		100
4) CHLORODIFLUOROMETHANE	4.399	67	213698	40.84	PPBV		99
5) CHLOROTRIFLUOROETHENE	4.430	116	920984	36.00	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.478	85	2161765	36.75	PPBV		99
7) PROPYLENE	4.423	41	576504	33.74	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	4.588	65	1579356	36.34	PPBV		99
9) FREON 114	4.673	85	1582406	35.80	PPBV		100
10) CHLOROMETHANE	4.606	52	182132	35.72	PPBV		90
11) VINYL CHLORIDE	4.770	62	570121	36.12	PPBV		99
12) 1,3-BUTADIENE	4.874	54	431757	31.71	PPBV		99
13) n-BUTANE	4.910	43	856177	32.07	PPBV		99
14) BROMOMETHANE	5.080	94	523485	27.40	PPBV		99
15) CHLOROETHANE	5.208	64	261399	33.34	PPBV		98
16) DICHLOROFLUOROMETHANE	5.263	67	1298935	31.71	PPBV		99
17) ACETONITRILE	5.458	41	504604	41.33	PPBV		100
18) ACROLEIN	5.555	56	200872	33.31	PPBV		98
19) FREON 123	5.567	83	1406147	35.94	PPBV		99
20) FREON 123A	5.610	117	844402	36.09	PPBV		100
21) TRICHLOROFLUOROMETHANE	5.786	101	1877883	36.23	PPBV		100
22) ISOPROPYL ALCOHOL	5.829	45	1239985	33.38	PPBV		99
23) ACETONE	5.652	58	287738	29.50	PPBV		96
24) PENTANE	6.042	42	703209	35.10	PPBV		99
25) IODOMETHANE	6.230	142	1822263	36.39	PPBV		98
26) 1,1-DICHLOROETHYLENE	6.279	96	665522	38.83	PPBV		99
27) CARBON DISULFIDE	6.638	76	1931189	38.98	PPBV		99
28) ETHANOL	5.287	45	232269	16.83	PPBV		99
29) BROMOETHENE	5.476	106	589594	36.78	PPBV		98
30) ACRYLONITRILE	6.005	52	448483	42.16	PPBV		100
31) METHYLENE CHLORIDE	6.364	84	587242	25.15	PPBV		99
32) 3-CHLOROPROPENE	6.461	76	320293	41.92	PPBV		95
33) FREON 113	6.559	151	1188782	36.75	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.118	96	709173	39.30	PPBV		99
35) TERTIARY BUTYL ALCOHOL	6.297	59	1324547	37.87	PPBV		100
36) METHYL TERTIARY BUTYL ...	7.313	73	2016337	37.10	PPBV		99
37) TETRAHYDROFURAN	8.597	72	322502	41.02	PPBV		98
38) HEXANE	8.147	57	995434	37.16	PPBV		99
39) VINYL ACETATE	7.380	86	123992	45.57	PPBV	#	85
40) 1,1-DICHLOROETHANE	7.289	63	1212608	38.05	PPBV		99
41) METHYL ETHYL KETONE	7.605	72	327609	43.51	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.988	96	723417	39.55	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:46 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) DIISOPROPYL ETHER	8.134	59	306489	42.24	PPBV #	91
44) ETHYL ACETATE	8.153	61	217617	41.28	PPBV #	86
45) METHYL ACRYLATE	8.153	55	1250062	37.96	PPBV	99
46) CHLOROFORM	8.244	83	1536624	36.96	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.925	57	1216306	38.41	PPBV	100
48) 1,1,1-TRICHLOROETHANE	9.126	97	1722262	37.31	PPBV	99
49) CARBON TETRACHLORIDE	9.680	117	1829375	37.70	PPBV	99
50) 1,2-DICHLOROETHANE	8.901	62	1070646	38.64	PPBV	100
52) BENZENE	9.546	78	2039652	34.67	PPBV	98
53) CYCLOHEXANE	9.795	84	904071	32.05	PPBV	94
54) 2,3-DIMETHYLPENTANE	9.996	71	457963	37.45	PPBV	99
55) TRICHLOROETHYLENE	10.519	95	970112	36.08	PPBV	98
56) 1,2-DICHLOROPROPANE	10.300	63	766807	36.44	PPBV	99
57) DIBROMOMETHANE	10.282	174	929092	33.07	PPBV	98
58) ETHYL ACRYLATE	10.270	55	1586012	38.55	PPBV	99
59) BROMODICHLOROMETHANE	10.489	83	1731857	36.87	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	10.537	57	3228742	35.16	PPBV	99
61) 1,4-DIOXANE	10.507	88	460621	37.38	PPBV #	1
62) HEPTANE	10.775	43	1293694	36.13	PPBV	99
63) METHYL METHACRYLATE	10.683	69	779110	38.92	PPBV	99
64) METHYL ISOBUTYL KETONE	11.359	58	629636	38.16	PPBV	98
65) cis-1,3-DICHLOROPROPENE	11.334	75	1293993	37.86	PPBV	99
66) TOLUENE	12.302	92	1484143	36.27	PPBV	98
67) 1,3-DICHLOROPROPANE	12.326	76	1218032	36.86	PPBV	99
68) trans-1,3-DICHLOROPROPENE	11.845	75	1235537	38.97	PPBV	99
69) 1,1,2-TRICHLOROETHANE	12.028	83	750297	37.57	PPBV	99
71) 2-HEXANONE	12.551	58	825373	29.90	PPBV	97
72) ETHYL METHACRYLATE	12.551	69	1274146	30.07	PPBV	100
73) TETRACHLOROETHYLENE	13.451	164	1091302	26.93	PPBV	98
74) DIBROMOCHLOROMETHANE	12.740	129	1775996	28.62	PPBV	99
75) 1,2-DIBROMOETHANE	12.983	107	1429357	29.56	PPBV	100
76) OCTANE	13.281	43	1756773	29.06	PPBV	99
77) 1,1,1,2-TETRACHLOROETHANE	14.139	131	1213782	27.42	PPBV	95
78) CHLOROBENZENE	14.157	112	1990756	28.13	PPBV	97
79) ETHYLBENZENE	14.547	91	3325236	27.95	PPBV	98
80) m,p-XYLENE	14.747	106	2517446	57.25	PPBV	97
81) o-XYLENE	15.252	106	1221014	28.26	PPBV	99
82) STYRENE	15.131	104	1995077	31.39	PPBV	98
83) NONANE	15.477	43	1797821	29.72	PPBV	98
84) BROMOFORM	14.839	173	1749303	30.29	PPBV	99
86) 1,1,2,2-TETRACHLOROETHANE	15.246	83	1699333	28.83	PPBV	100
87) 1,2,3-TRICHLOROPROPANE	15.386	75	1458825	29.28	PPBV	99
88) ISOPROPYLBENZENE	15.909	105	3703382	27.39	PPBV	97
89) BROMOBENZENE	16.013	77	1733842	29.76	PPBV	99
90) 2-CHLOROTOLUENE	16.457	126	936674	29.74	PPBV	98
91) n-PROPYLBENZENE	16.493	120	1046886	30.03	PPBV	98
92) 4-ETHYLTOLUENE	16.664	105	3555261	30.85	PPBV	98
93) 1,3,5-TRIMETHYLBENZENE	16.749	105	3045285	28.80	PPBV	98
94) ALPHA-METHYLSTYRENE	16.931	118	1577450	33.30	PPBV	99
95) tert-BUTYLBENZENE	17.217	134	697026	28.31	PPBV #	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:46 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration

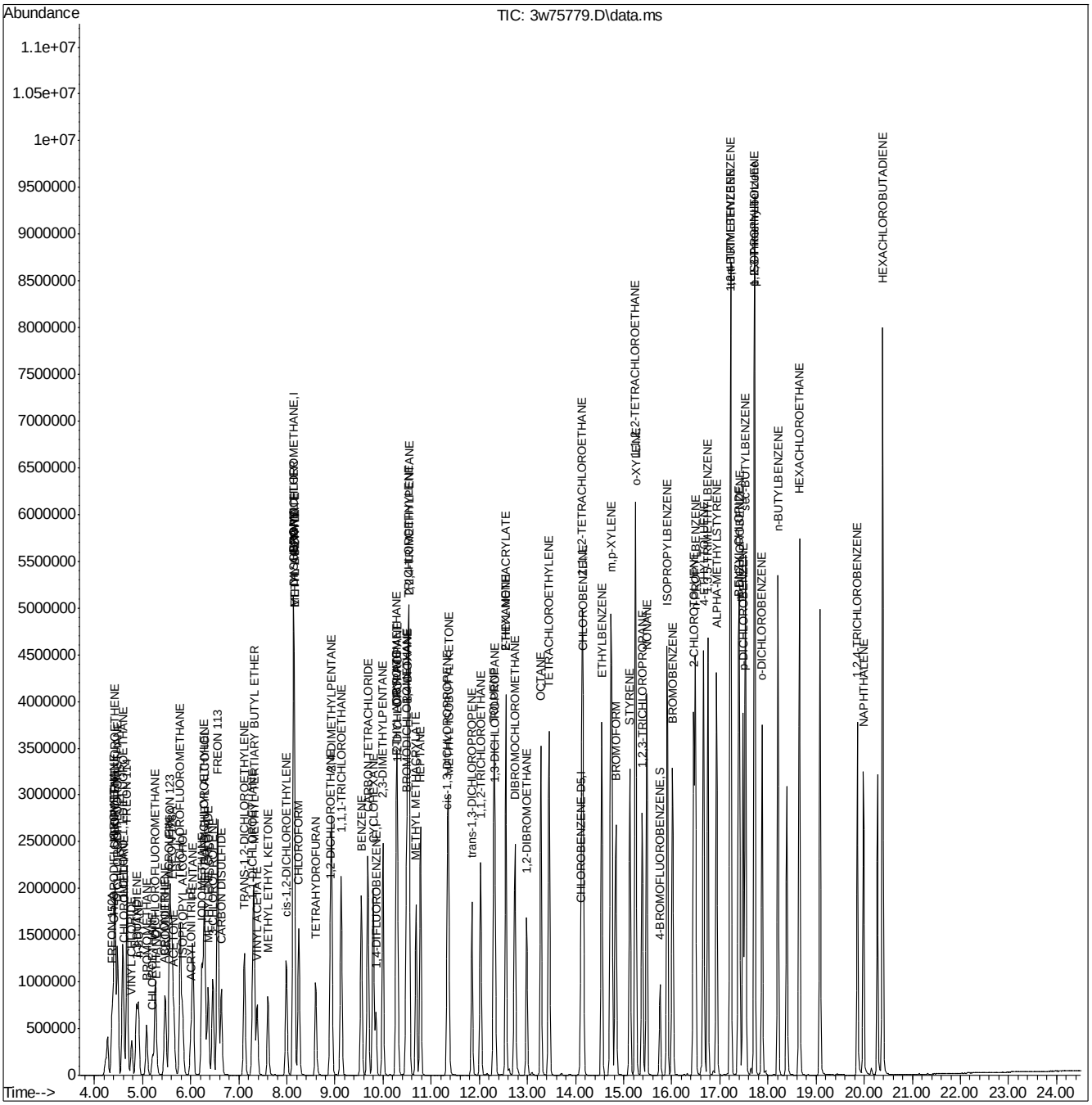
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.229	105	2918318	29.57	PPBV		97
97) m-DICHLOROBENZENE	17.406	146	1896937	30.89	PPBV		98
98) BENZYL CHLORIDE	17.388	91	2418967	34.51	PPBV		98
99) p-DICHLOROBENZENE	17.485	146	1910945	31.91	PPBV		98
100) sec-BUTYLBENZENE	17.534	134	931312	30.09	PPBV	#	88
101) 1,2,3-Trimethylbenzene	17.722	105	2975105	29.15	PPBV		97
102) p-ISOPROPYLTOLUENE	17.722	134	956839m	29.95	PPBV		
103) o-DICHLOROBENZENE	17.880	146	1849688	31.31	PPBV		98
104) n-BUTYLBENZENE	18.209	134	931924	33.99	PPBV	#	1
105) HEXACHLOROETHANE	18.653	117	1317728	30.55	PPBV		98
106) HEXACHLOROBUTADIENE	20.381	225	1669324	28.35	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	19.857	180	1367531	46.58	PPBV		99
108) NAPHTHALENE	19.985	128	2852201	42.45	PPBV		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:46 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration



Manual Integration Approval Summary

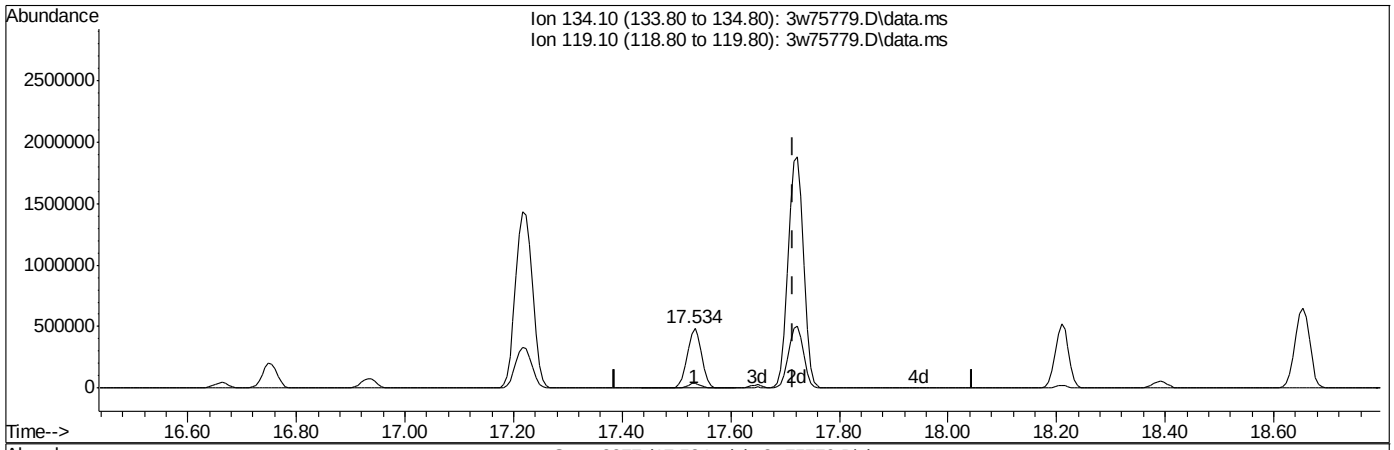
Sample Number:	V3W2981-IC2981	**Method:**	TO-15
Lab FileID:	3W75779.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 07:52	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

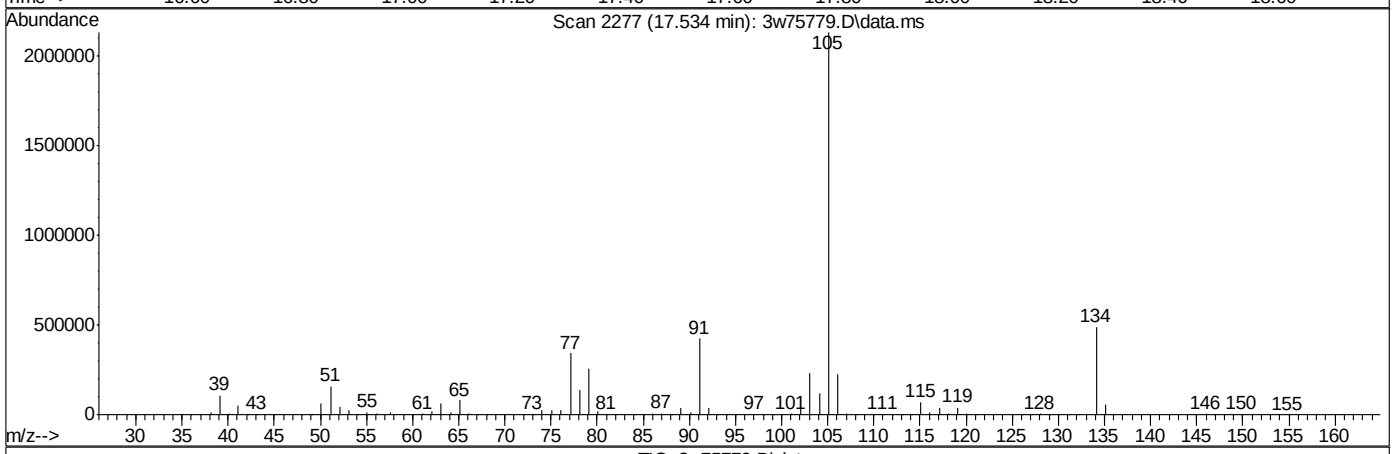
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 21:18:31 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration





TIC: 3w75779.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.534min (-0.182) 29.15PPBV

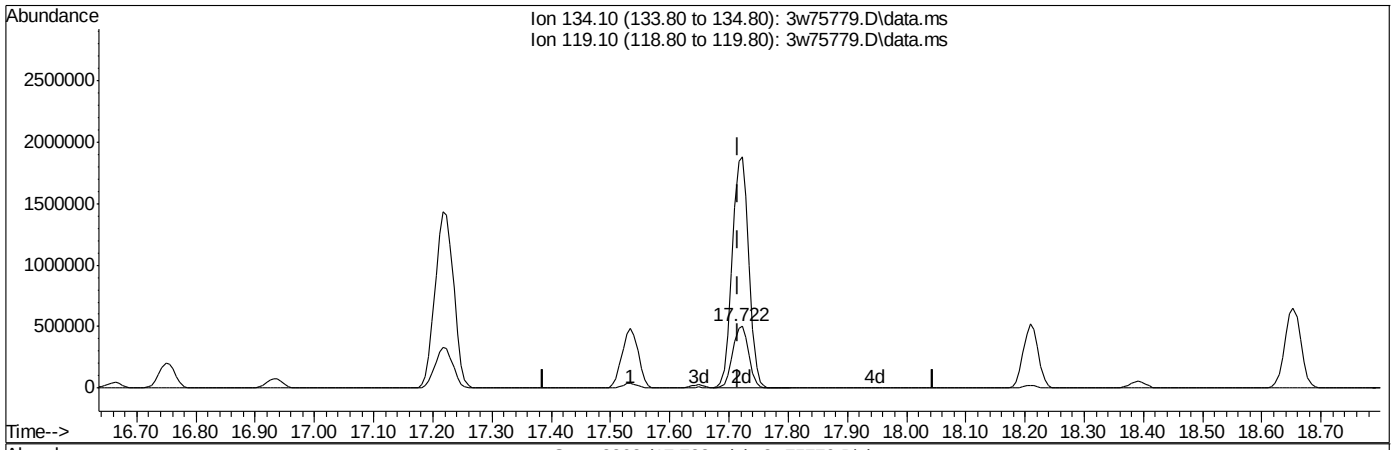
response 931312

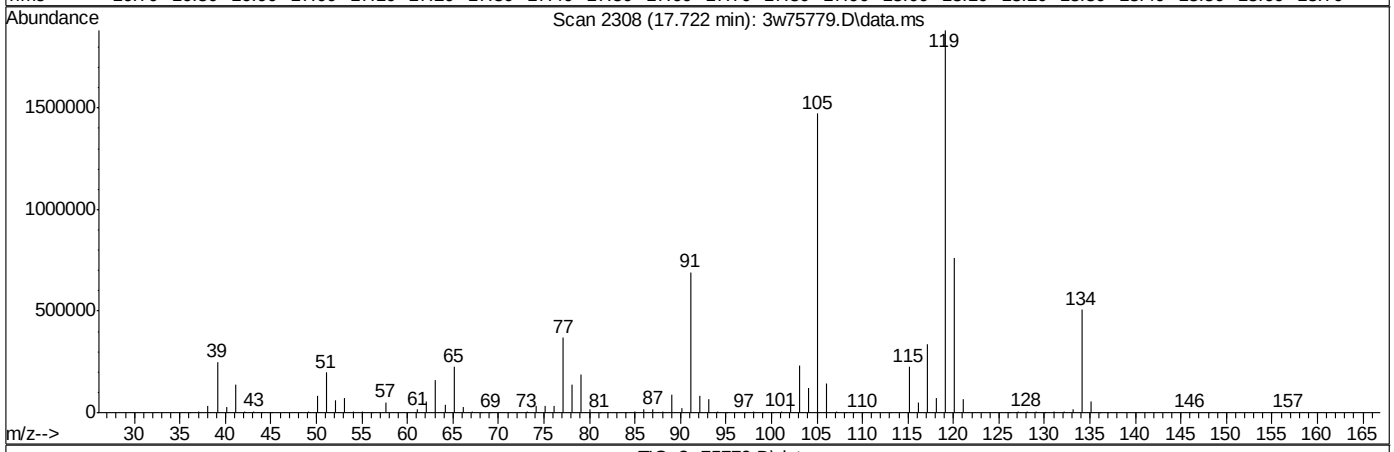
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75779.D
Acq On : 23 Apr 2022 7:52 am
Operator : thomash
Sample : ic2981-40
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:19:46 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:14 2022
Response via : Initial Calibration





TIC: 3w75779.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.722min (+0.006) 29.95PPBV m

response 956839

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.69
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:20:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.134	128	123622	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.850	114	681829	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.108	82	429047	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.757	95	416431	9.03	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.30%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	502501	47.77	PPBV		100
4) CHLORODIFLUOROMETHANE	4.393	67	268744	49.94	PPBV		97
5) CHLOROTRIFLUOROETHENE	4.423	116	1161569	44.83	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.478	85	2652448	44.41	PPBV		99
7) PROPYLENE	4.417	41	726430	42.27	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	1961982	44.52	PPBV		99
9) FREON 114	4.673	85	2027637	45.32	PPBV		100
10) CHLOROMETHANE	4.606	52	229192	44.42	PPBV		96
11) VINYL CHLORIDE	4.770	62	760030	47.52	PPBV		99
12) 1,3-BUTADIENE	4.867	54	565247	41.55	PPBV		98
13) n-BUTANE	4.910	43	1114580	41.74	PPBV		99
14) BROMOMETHANE	5.080	94	669531	35.56	PPBV		99
15) CHLOROETHANE	5.202	64	331706	42.13	PPBV		98
16) DICHLOROFLUOROMETHANE	5.263	67	1634662	39.94	PPBV		99
17) ACETONITRILE	5.458	41	641268	49.87	PPBV		100
18) ACROLEIN	5.555	56	253726	41.89	PPBV		99
19) FREON 123	5.561	83	1765877	44.57	PPBV		100
20) FREON 123A	5.604	117	1064071	44.89	PPBV		100
21) TRICHLOROFLUOROMETHANE	5.780	101	2360924	44.94	PPBV		100
22) ISOPROPYL ALCOHOL	5.829	45	1575675	42.23	PPBV		99
23) ACETONE	5.652	58	364817	37.70	PPBV		97
24) PENTANE	6.042	42	900517	44.50	PPBV		99
25) IODOMETHANE	6.230	142	2269217	44.68	PPBV		98
26) 1,1-DICHLOROETHYLENE	6.273	96	847438	48.39	PPBV		98
27) CARBON DISULFIDE	6.632	76	2435003	48.07	PPBV		99
28) ETHANOL	5.287	45	293741	22.37	PPBV		99
29) BROMOETHENE	5.470	106	745617	45.81	PPBV		99
30) ACRYLONITRILE	6.005	52	574878	52.33	PPBV		99
31) METHYLENE CHLORIDE	6.364	84	753279	32.98	PPBV		98
32) 3-CHLOROPROPENE	6.455	76	408942	51.87	PPBV		95
33) FREON 113	6.559	151	1491889	45.43	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.112	96	912350	49.40	PPBV		100
35) TERTIARY BUTYL ALCOHOL	6.297	59	1691572	47.47	PPBV		100
36) METHYL TERTIARY BUTYL ...	7.313	73	2552715	46.21	PPBV		98
37) TETRAHYDROFURAN	8.597	72	415726	51.39	PPBV		98
38) HEXANE	8.147	57	1251788	45.97	PPBV		99
39) VINYL ACETATE	7.380	86	159161	55.92	PPBV	#	84
40) 1,1-DICHLOROETHANE	7.289	63	1545330	47.57	PPBV		99
41) METHYL ETHYL KETONE	7.605	72	424148	54.33	PPBV		95
42) cis-1,2-DICHLOROETHYLENE	7.988	96	930046	49.64	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:20:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.134	59	386024	51.51	PPBV	#	88
44) ETHYL ACETATE	8.153	61	274206	50.52	PPBV	#	83
45) METHYL ACRYLATE	8.153	55	1572821	46.87	PPBV		99
46) CHLOROFORM	8.250	83	1949514	46.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.925	57	1544551	47.79	PPBV		100
48) 1,1,1-TRICHLOROETHANE	9.126	97	2170760	46.23	PPBV		98
49) CARBON TETRACHLORIDE	9.680	117	2299099	46.53	PPBV		99
50) 1,2-DICHLOROETHANE	8.901	62	1360373	48.08	PPBV		100
52) BENZENE	9.546	78	2606547	43.26	PPBV		98
53) CYCLOHEXANE	9.795	84	1158246	40.43	PPBV		95
54) 2,3-DIMETHYLPENTANE	9.996	71	588580	46.58	PPBV		97
55) TRICHLOROETHYLENE	10.519	95	1224212	44.26	PPBV		97
56) 1,2-DICHLOROPROPANE	10.300	63	976355	45.06	PPBV		99
57) DIBROMOMETHANE	10.282	174	1167176	40.78	PPBV		97
58) ETHYL ACRYLATE	10.270	55	2016355	47.27	PPBV		99
59) BROMODICHLOROMETHANE	10.489	83	2198780	45.39	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.537	57	4037498	42.87	PPBV		98
61) 1,4-DIOXANE	10.513	88	580797	45.63	PPBV	#	21
62) HEPTANE	10.781	43	1651599	44.84	PPBV		99
63) METHYL METHACRYLATE	10.683	69	1004255	48.33	PPBV		98
64) METHYL ISOBUTYL KETONE	11.359	58	809678	47.39	PPBV		97
65) cis-1,3-DICHLOROPROPENE	11.340	75	1653521	46.76	PPBV		99
66) TOLUENE	12.308	92	1880188	44.64	PPBV		97
67) 1,3-DICHLOROPROPANE	12.326	76	1552603	45.57	PPBV		98
68) trans-1,3-DICHLOROPROPENE	11.851	75	1592661	48.39	PPBV		99
69) 1,1,2-TRICHLOROETHANE	12.028	83	964663	46.73	PPBV		98
71) 2-HEXANONE	12.551	58	1056050	36.45	PPBV		96
72) ETHYL METHACRYLATE	12.557	69	1614682	36.29	PPBV		100
73) TETRACHLOROETHYLENE	13.451	164	1369454	32.51	PPBV		98
74) DIBROMOCHLOROMETHANE	12.740	129	2242430	34.58	PPBV		99
75) 1,2-DIBROMOETHANE	12.989	107	1819960	35.90	PPBV		100
76) OCTANE	13.281	43	2225566	35.17	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	14.139	131	1524295	33.07	PPBV		94
78) CHLOROBENZENE	14.157	112	2511394	34.01	PPBV		96
79) ETHYLBENZENE	14.546	91	4201180	33.85	PPBV		97
80) m,p-XYLENE	14.747	106	3185451	69.30	PPBV		97
81) o-XYLENE	15.252	106	1539954	34.14	PPBV		98
82) STYRENE	15.130	104	2549719	38.04	PPBV		97
83) NONANE	15.483	43	2278694	35.91	PPBV		98
84) BROMOFORM	14.838	173	2221942	36.61	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	15.246	83	2129604	34.54	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	15.392	75	1854963	35.54	PPBV		99
88) ISOPROPYLBENZENE	15.909	105	4609107	32.74	PPBV		96
89) BROMOBENZENE	16.019	77	2219282	36.31	PPBV		98
90) 2-CHLOROTOLUENE	16.457	126	1186526	35.91	PPBV		98
91) n-PROPYLBENZENE	16.493	120	1324669	36.19	PPBV		98
92) 4-ETHYLTOLUENE	16.664	105	4459010	36.90	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.755	105	3822177	34.56	PPBV		97
94) ALPHA-METHYLSTYRENE	16.937	118	2002318	39.84	PPBV		99
95) tert-BUTYLBENZENE	17.223	134	869785	33.83	PPBV	#	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:20:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration

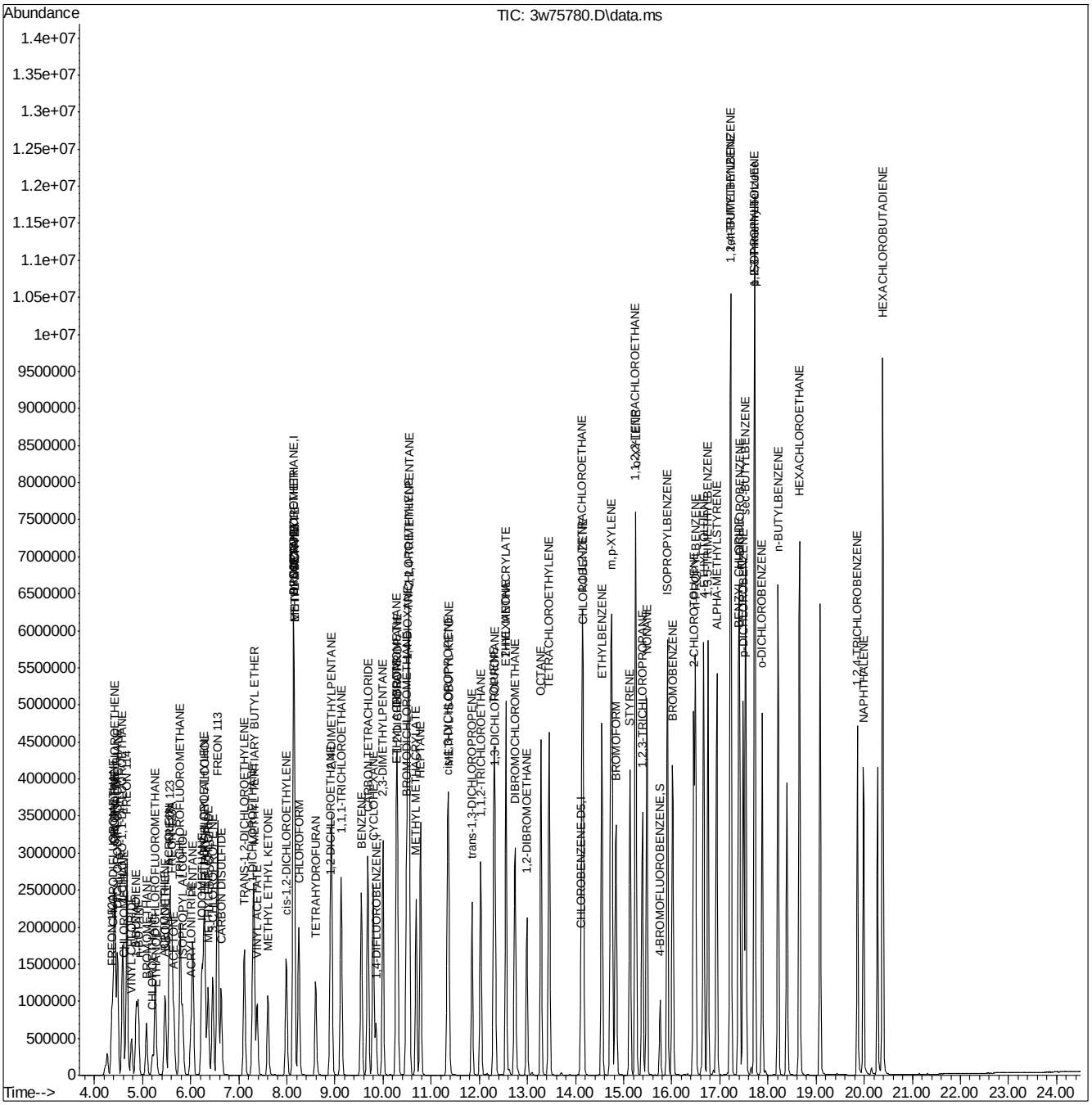
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.229	105	3625228	35.03	PPBV		97
97) m-DICHLOROBENZENE	17.406	146	2393814	37.02	PPBV		98
98) BENZYL CHLORIDE	17.387	91	3087788	41.36	PPBV		97
99) p-DICHLOROBENZENE	17.485	146	2408415	38.07	PPBV		97
100) sec-BUTYLBENZENE	17.533	134	1181541	36.34	PPBV	#	83
101) 1,2,3-Trimethylbenzene	17.722	105	3691118	34.53	PPBV		97
102) p-ISOPROPYLTOLUENE	17.722	134	1197312m	35.79	PPBV		
103) o-DICHLOROBENZENE	17.880	146	2334816	37.48	PPBV		98
104) n-BUTYLBENZENE	18.215	134	1188581	40.77	PPBV	#	1
105) HEXACHLOROETHANE	18.653	117	1674020	36.90	PPBV		98
106) HEXACHLOROBUTADIENE	20.387	225	2074920	33.74	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	19.863	180	1745205	53.74	PPBV		98
108) NAPHTHALENE	19.985	128	3590535	48.93	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:20:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration



Manual Integration Approval Summary

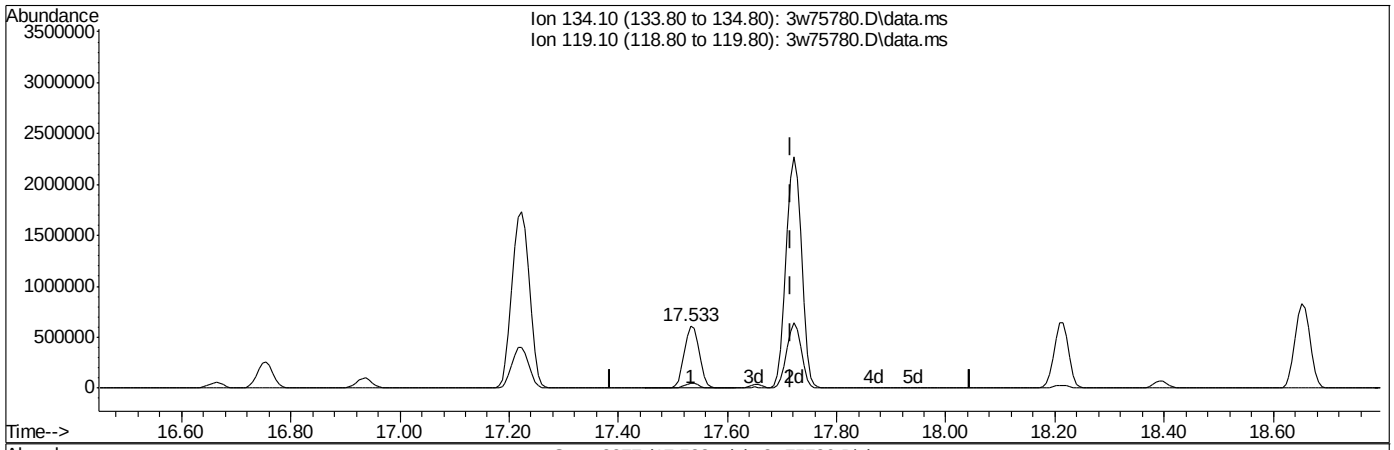
Sample Number:	V3W2981-IC2981	**Method:**	TO-15
Lab FileID:	3W75780.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 08:46	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

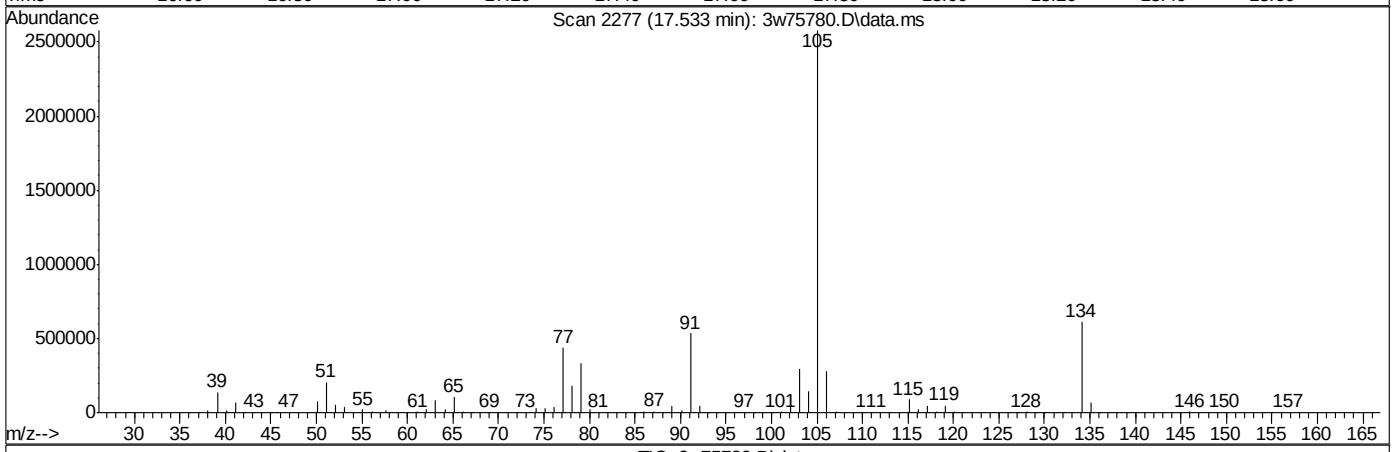
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 21:18:59 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration





TIC: 3w75780.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.533min (-0.183) 35.28PPBV

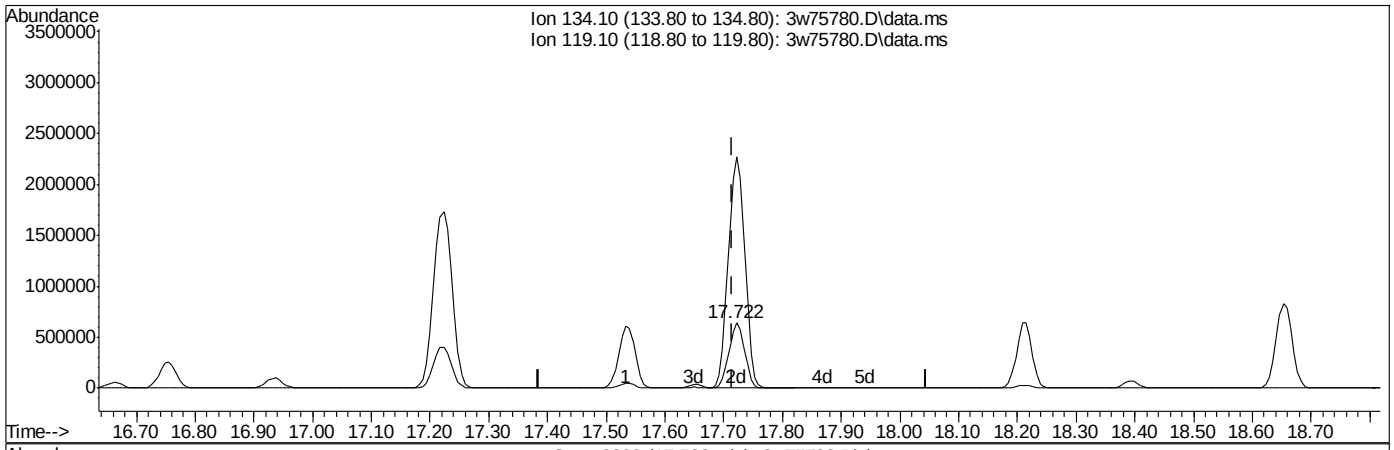
response 1180191

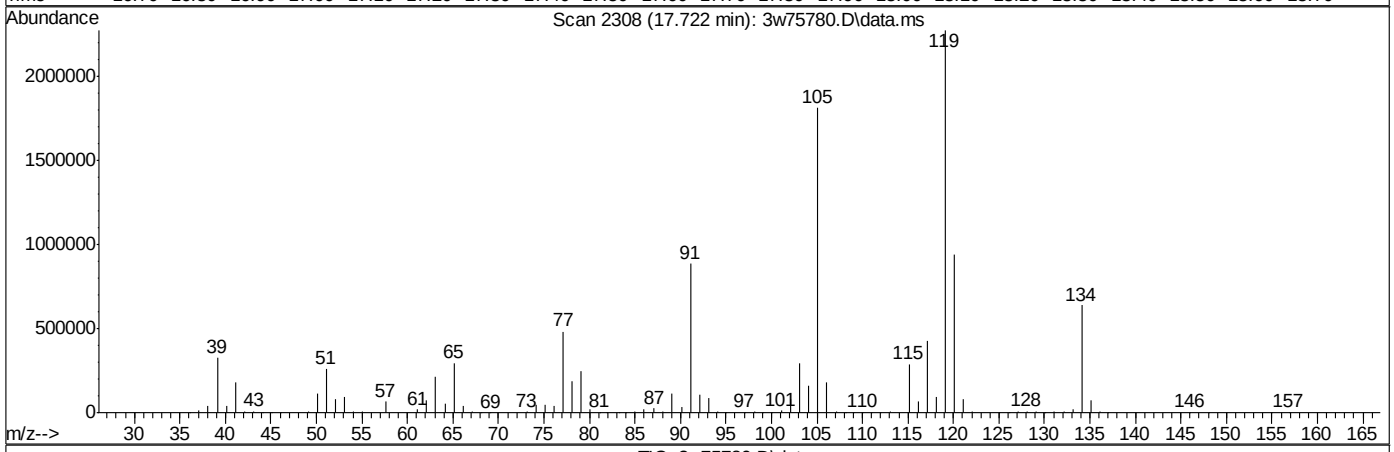
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75780.D
Acq On : 23 Apr 2022 8:46 am
Operator : thomash
Sample : ic2981-50
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 26 22:20:19 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 21:18:40 2022
Response via : Initial Calibration





TIC: 3w75780.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.722min (+0.006) 35.79PPBV m

response 1197312

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.44
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 23:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:25:06 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	139654	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	729883	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	383583	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	444862	10.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.10%				
Target Compounds							Qvalue
3) FREON 152A	4.363	65	115354	10.00	PPBV		99
4) CHLORODIFLUOROMETHANE	4.393	67	60644	9.91	PPBV		97
5) CHLOROTRIFLUOROETHENE	4.423	116	276444	10.00	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	4.478	85	635188	9.89	PPBV		100
7) PROPYLENE	4.417	41	167714	9.46	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.582	65	428256	9.11	PPBV		100
9) FREON 114	4.673	85	507023	10.53	PPBV		98
10) CHLOROMETHANE	4.606	52	48669	9.13	PPBV		96
11) VINYL CHLORIDE	4.770	62	194805	11.45	PPBV		100
12) 1,3-BUTADIENE	4.874	54	149494	11.07	PPBV		92
13) n-BUTANE	4.910	43	300481	11.16	PPBV		98
14) BROMOMETHANE	5.087	94	185552	10.25	PPBV		98
15) CHLOROETHANE	5.208	64	99364	12.39	PPBV		90
16) DICHLOROFLUOROMETHANE	5.269	67	422122	10.18	PPBV		99
17) ACETONITRILE	5.452	41	131238	9.13	PPBV		97
18) ACROLEIN	5.549	56	53212	8.54	PPBV		95
19) FREON 123	5.567	83	465420	10.96	PPBV		98
20) FREON 123A	5.610	117	293910	11.50	PPBV		98
21) TRICHLOROFLUOROMETHANE	5.786	101	558152	9.84	PPBV		100
22) ISOPROPYL ALCOHOL	5.810	45	348200	9.01	PPBV		99
23) ACETONE	5.646	58	83030	8.81	PPBV	#	90
24) PENTANE	6.048	42	213452	10.02	PPBV		99
25) IODOMETHANE	6.230	142	554164	10.13	PPBV		96
26) 1,1-DICHLOROETHYLENE	6.279	96	197815	10.16	PPBV		96
27) CARBON DISULFIDE	6.638	76	539737	9.74	PPBV		98
28) ETHANOL	5.275	45	60558	7.83	PPBV		96
29) BROMOETHENE	5.476	106	201118	11.34	PPBV		98
30) ACRYLONITRILE	5.993	52	111692	9.05	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	173125	9.38	PPBV		97
32) 3-CHLOROPROPENE	6.455	76	94482	10.52	PPBV		95
33) FREON 113	6.559	151	350141	9.88	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	7.112	96	206524	10.12	PPBV		98
35) TERTIARY BUTYL ALCOHOL	6.279	59	347663	9.04	PPBV		99
36) METHYL TERTIARY BUTYL ...	7.307	73	608492	10.24	PPBV		99
37) TETRAHYDROFURAN	8.591	72	89098	9.81	PPBV		98
38) HEXANE	8.147	57	314808	10.73	PPBV		97
39) VINYL ACETATE	7.374	86	31018	9.51	PPBV	#	90
40) 1,1-DICHLOROETHANE	7.283	63	365808	10.38	PPBV		100
41) METHYL ETHYL KETONE	7.593	72	90911	9.87	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.982	96	218875	10.52	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:25:06 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.122	59	91078	10.45	PPBV		99
44) ETHYL ACETATE	8.140	61	63338	10.33	PPBV		99
45) METHYL ACRYLATE	8.140	55	347691	9.58	PPBV		99
46) CHLOROFORM	8.238	83	448987	9.82	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.925	57	369460	10.54	PPBV		100
48) 1,1,1-TRICHLOROETHANE	9.120	97	499467	9.78	PPBV		99
49) CARBON TETRACHLORIDE	9.680	117	534445	10.02	PPBV		99
50) 1,2-DICHLOROETHANE	8.889	62	303264	9.80	PPBV		100
52) BENZENE	9.540	78	627330	10.38	PPBV		99
53) CYCLOHEXANE	9.789	84	273280	9.94	PPBV		98
54) 2,3-DIMETHYLPENTANE	9.990	71	139097	10.76	PPBV		98
55) TRICHLOROETHYLENE	10.513	95	301137	10.30	PPBV		99
56) 1,2-DICHLOROPROPANE	10.294	63	228755	10.20	PPBV		98
57) DIBROMOMETHANE	10.276	174	280702	9.96	PPBV		99
58) ETHYL ACRYLATE	10.258	55	424594	9.56	PPBV		100
59) BROMODICHLOROMETHANE	10.477	83	507096	10.24	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	1008327	10.52	PPBV		100
61) 1,4-DIOXANE	10.507	88	113351	8.63	PPBV	#	48
62) HEPTANE	10.775	43	393869	10.52	PPBV		99
63) METHYL METHACRYLATE	10.677	69	215429	9.85	PPBV		98
64) METHYL ISOBUTYL KETONE	11.353	58	176342	9.98	PPBV		97
65) cis-1,3-DICHLOROPROPENE	11.328	75	398524	10.94	PPBV		96
66) TOLUENE	12.296	92	468120	10.81	PPBV		100
67) 1,3-DICHLOROPROPANE	12.320	76	366855	10.54	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	339872	9.89	PPBV		99
69) 1,1,2-TRICHLOROETHANE	12.022	83	226218	10.62	PPBV		100
71) 2-HEXANONE	12.539	58	194348	8.15	PPBV		96
72) ETHYL METHACRYLATE	12.545	69	347023	9.43	PPBV		96
73) TETRACHLOROETHYLENE	13.445	164	345588	9.55	PPBV		99
74) DIBROMOCHLOROMETHANE	12.728	129	533840	10.11	PPBV		99
75) 1,2-DIBROMOETHANE	12.977	107	418448	9.99	PPBV		100
76) OCTANE	13.275	43	543278	10.39	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	375858	10.04	PPBV		100
78) CHLOROBENZENE	14.151	112	631319	10.39	PPBV		99
79) ETHYLBENZENE	14.540	91	1053042	10.42	PPBV		100
80) m,p-XYLENE	14.735	106	805544	21.31	PPBV		99
81) o-XYLENE	15.246	106	395053	10.67	PPBV		97
82) STYRENE	15.124	104	595956	10.53	PPBV		99
83) NONANE	15.471	43	560296	10.59	PPBV		99
84) BROMOFORM	14.826	173	533247	10.61	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	538756	10.70	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	432317	10.14	PPBV		99
88) ISOPROPYLBENZENE	15.903	105	1204458	10.43	PPBV		100
89) BROMOBENZENE	16.007	77	513461	10.18	PPBV		100
90) 2-CHLOROTOLUENE	16.451	126	290206	10.52	PPBV		100
91) n-PROPYLBENZENE	16.487	120	322706	10.59	PPBV		100
92) 4-ETHYLTOLUENE	16.657	105	1152119	11.03	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.749	105	989707	10.73	PPBV		99
94) ALPHA-METHYLSTYRENE	16.931	118	467234	10.72	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	226998	10.63	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:25:06 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

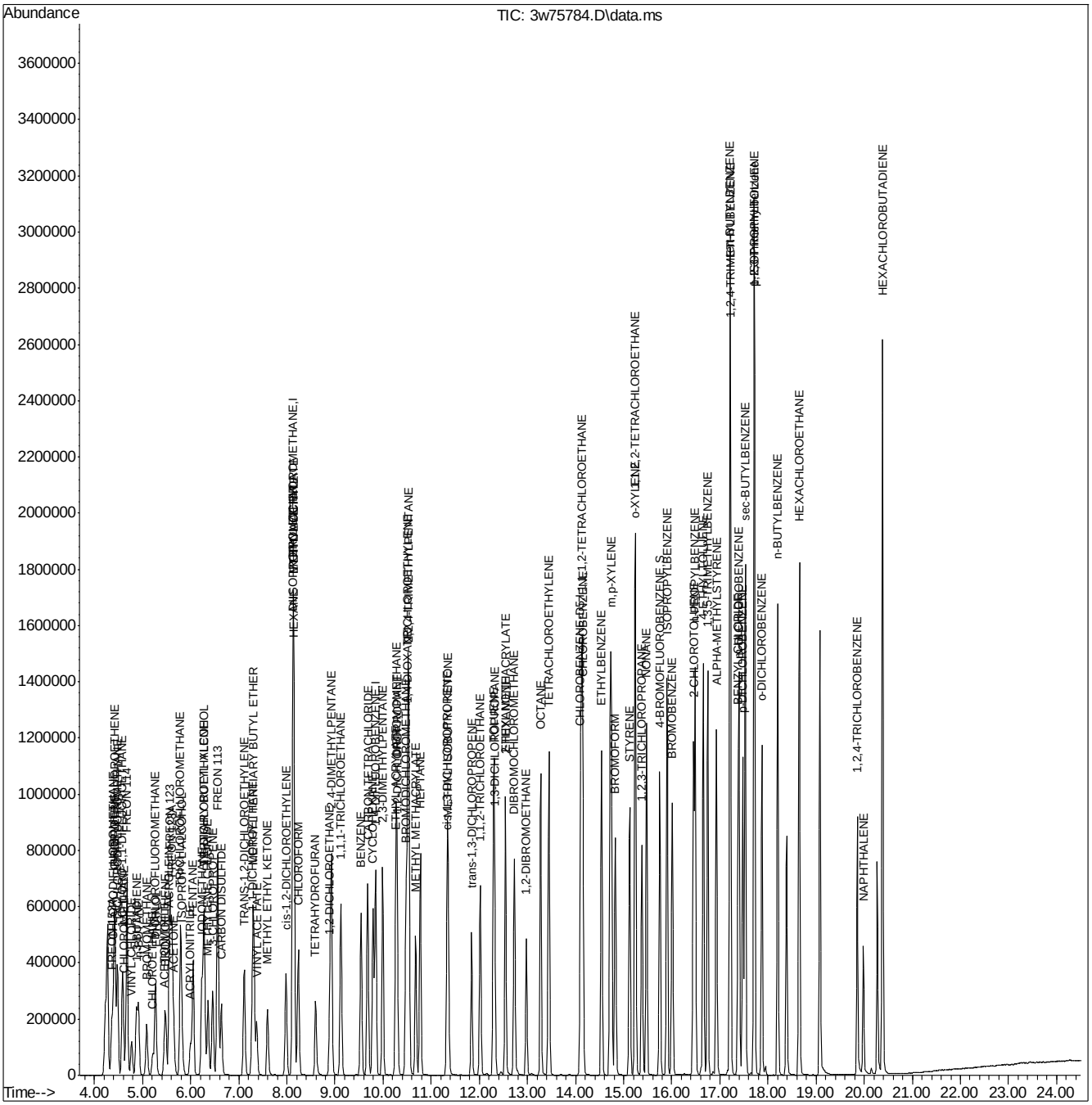
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.223	105	969845	11.11	PPBV		98
97) m-DICHLOROBENZENE	17.400	146	598854	10.89	PPBV		100
98) BENZYL CHLORIDE	17.381	91	559424	8.68	PPBV		99
99) p-DICHLOROBENZENE	17.479	146	588654	10.82	PPBV		100
100) sec-BUTYLBENZENE	17.527	134	291590	10.61	PPBV		99
101) 1,2,3-Trimethylbenzene	17.716	105	986659	10.94	PPBV		99
102) p-ISOPROPYLTOLUENE	17.716	134	309785m	10.67	PPBV		
103) o-DICHLOROBENZENE	17.874	146	592054	11.20	PPBV		100
104) n-BUTYLBENZENE	18.203	134	291834	11.40	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	426537	11.22	PPBV		99
106) HEXACHLOROBUTADIENE	20.381	225	562662	11.15	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	19.857	180	356966	11.61	PPBV		99
108) NAPHTHALENE	19.979	128	426903	6.28	PPBV		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:25:06 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Manual Integration Approval Summary

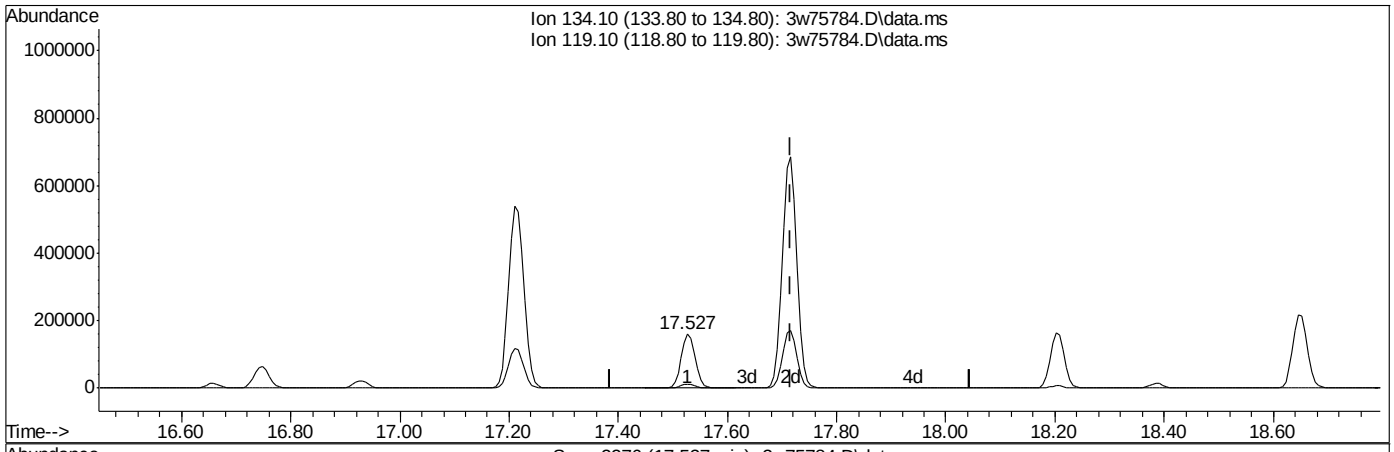
Sample Number:	V3W2981-ICV2981	**Method:**	TO-15
Lab FileID:	3W75784.D	**Analyst approved:**	04/26/22 22:29 Benjamin Kim
Injection Time:	04/23/22 11:54	**Supervisor approved:**	04/26/22 23:12 Kanya Veerawat

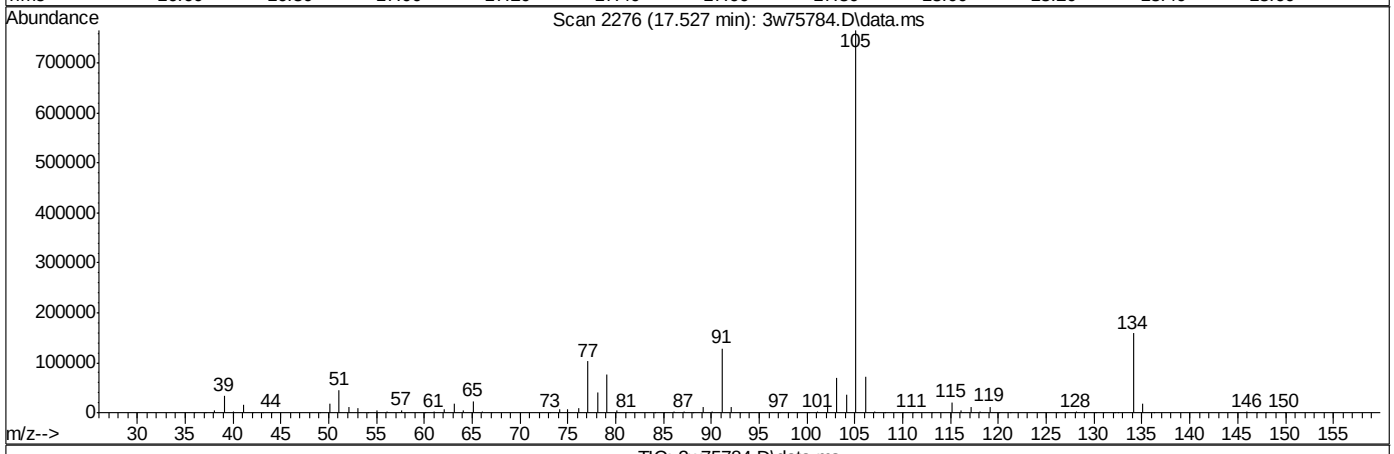
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:24:45 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75784.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 10.05PPBV

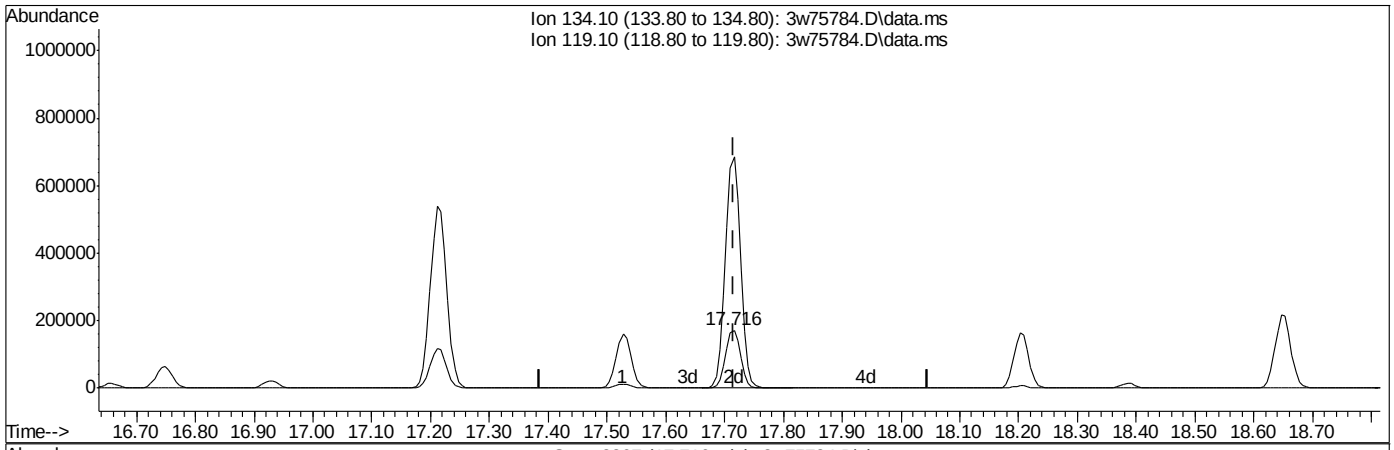
response 291590

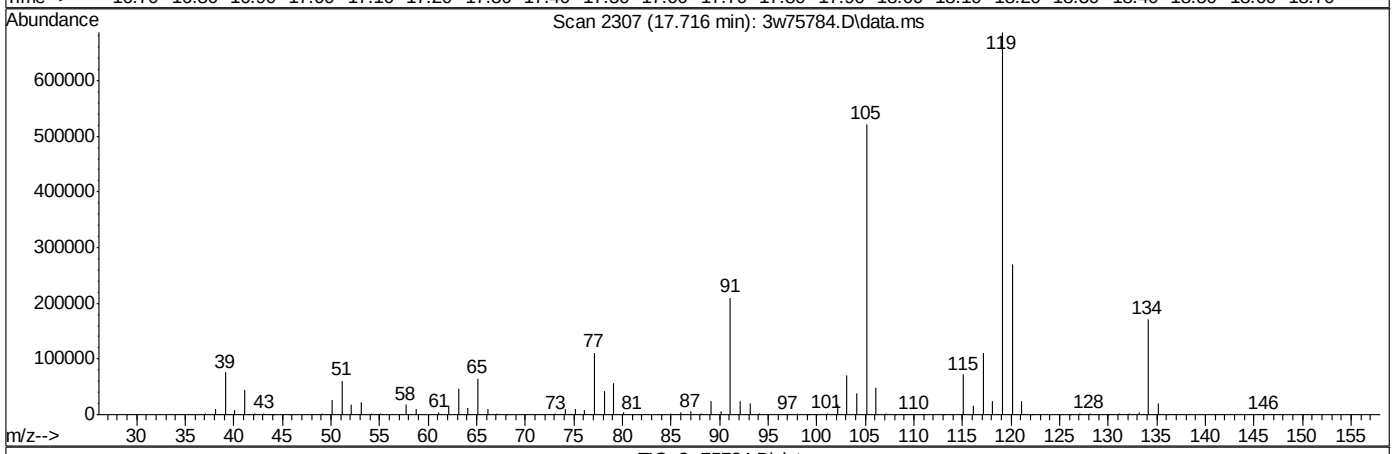
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75784.D
Acq On : 23 Apr 2022 11:54 am
Operator : thomash
Sample : icv2981-10
Misc : MS57846,V3W2981,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 26 22:25:06 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75784.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (+0.000) 10.67PPBV m

response 309785

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	6.92
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 00:31

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:53:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	116674	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	601027	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	326183	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	383657	11.07	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.70%				
Target Compounds							Qvalue
3) FREON 152A	4.356	65	97166	10.08	PPBV		97
4) CHLORODIFLUOROMETHANE	4.393	67	51364	10.04	PPBV		98
5) CHLOROTRIFLUOROETHENE	4.417	116	214858	9.30	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.472	85	528169	9.85	PPBV		99
7) PROPYLENE	4.411	41	158254	10.69	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.581	65	392819	10.00	PPBV		98
9) FREON 114	4.667	85	367815	9.14	PPBV		97
10) CHLOROMETHANE	4.600	52	46364	10.41	PPBV		96
11) VINYL CHLORIDE	4.764	62	130200	9.16	PPBV		100
12) 1,3-BUTADIENE	4.867	54	100227	8.89	PPBV		92
13) n-BUTANE	4.904	43	210390	9.36	PPBV		98
14) BROMOMETHANE	5.080	94	112109	7.42	PPBV		100
15) CHLOROETHANE	5.202	64	59959	8.95	PPBV		88
16) DICHLOROFLUOROMETHANE	5.263	67	310085	8.95	PPBV		99
17) ACETONITRILE	5.451	41	127982	10.64	PPBV		98
18) ACROLEIN	5.549	56	45983	8.83	PPBV		98
19) FREON 123	5.561	83	328812	9.27	PPBV		99
20) FREON 123A	5.604	117	201526	9.44	PPBV		91
21) TRICHLOROFLUOROMETHANE	5.780	101	460813	9.73	PPBV		99
22) ISOPROPYL ALCOHOL	5.823	45	343058	10.63	PPBV		100
23) ACETONE	5.646	58	77810	9.88	PPBV		95
24) PENTANE	6.042	42	202480	11.38	PPBV		97
25) IODOMETHANE	6.224	142	419063	9.17	PPBV		98
26) 1,1-DICHLOROETHYLENE	6.273	96	152486	9.37	PPBV		91
27) CARBON DISULFIDE	6.632	76	457860	9.89	PPBV		96
28) ETHANOL	5.275	45	59893	9.27	PPBV		98
29) BROMOETHENE	5.470	106	124235	8.39	PPBV		98
30) ACRYLONITRILE	5.993	52	113000	10.96	PPBV		100
31) METHYLENE CHLORIDE	6.358	84	139536	9.05	PPBV		90
32) 3-CHLOROPROPENE	6.449	76	74641	9.95	PPBV	#	83
33) FREON 113	6.559	151	271292	9.16	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	7.106	96	159454	9.35	PPBV		94
35) TERTIARY BUTYL ALCOHOL	6.285	59	326068	10.15	PPBV		96
36) METHYL TERTIARY BUTYL ...	7.313	73	474693	9.56	PPBV		95
37) TETRAHYDROFURAN	8.597	72	73595	9.69	PPBV	#	82
38) HEXANE	8.140	57	261785	10.68	PPBV		94
39) VINYL ACETATE	7.374	86	26098	9.57	PPBV	#	67
40) 1,1-DICHLOROETHANE	7.277	63	300772	10.21	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	76225	9.90	PPBV	#	77
42) cis-1,2-DICHLOROETHYLENE	7.982	96	162642	9.36	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:53:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.122	59	76951	10.57	PPBV	#	82
44) ETHYL ACETATE	8.146	61	54562	10.66	PPBV	#	77
45) METHYL ACRYLATE	8.146	55	317859	10.48	PPBV		98
46) CHLOROFORM	8.238	83	360700	9.44	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.919	57	304144	10.39	PPBV		98
48) 1,1,1-TRICHLOROETHANE	9.120	97	399154	9.36	PPBV		98
49) CARBON TETRACHLORIDE	9.680	117	431119	9.67	PPBV		100
50) 1,2-DICHLOROETHANE	8.889	62	257734	9.97	PPBV		99
52) BENZENE	9.540	78	485143	9.75	PPBV		98
53) CYCLOHEXANE	9.789	84	209427	9.25	PPBV		94
54) 2,3-DIMETHYLPENTANE	9.990	71	108666	10.20	PPBV		93
55) TRICHLOROETHYLENE	10.513	95	226734	9.42	PPBV		99
56) 1,2-DICHLOROPROPANE	10.294	63	193080	10.45	PPBV		97
57) DIBROMOMETHANE	10.276	174	208482	8.98	PPBV		94
58) ETHYL ACRYLATE	10.264	55	392974	10.74	PPBV		98
59) BROMODICHLOROMETHANE	10.476	83	407147	9.98	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	858112	10.87	PPBV		99
61) 1,4-DIOXANE	10.513	88	105684	9.77	PPBV		95
62) HEPTANE	10.768	43	352002	11.42	PPBV		93
63) METHYL METHACRYLATE	10.677	69	178253	9.90	PPBV		87
64) METHYL ISOBUTYL KETONE	11.359	58	154344	10.60	PPBV	#	88
65) cis-1,3-DICHLOROPROPENE	11.334	75	301747	10.05	PPBV		92
66) TOLUENE	12.302	92	345467	9.69	PPBV		99
67) 1,3-DICHLOROPROPANE	12.320	76	292769	10.21	PPBV		99
68) trans-1,3-DICHLOROPROPENE	11.839	75	279486	9.88	PPBV		95
69) 1,1,2-TRICHLOROETHANE	12.022	83	174585	9.96	PPBV		97
71) 2-HEXANONE	12.545	58	201129	9.92	PPBV		89
72) ETHYL METHACRYLATE	12.545	69	302860	9.68	PPBV		90
73) TETRACHLOROETHYLENE	13.445	164	249954	8.12	PPBV		98
74) DIBROMOCHLOROMETHANE	12.727	129	408723	9.10	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	317244	8.91	PPBV		99
76) OCTANE	13.275	43	486536	10.95	PPBV		92
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	292093	9.18	PPBV		98
78) CHLOROBENZENE	14.151	112	475303	9.20	PPBV		98
79) ETHYLBENZENE	14.540	91	801085	9.32	PPBV		99
80) m,p-XYLENE	14.729	106	604260	18.80	PPBV		98
81) o-XYLENE	15.246	106	298819	9.49	PPBV		100
82) STYRENE	15.124	104	447176	9.29	PPBV		100
83) NONANE	15.471	43	517969	11.51	PPBV		96
84) BROMOFORM	14.826	173	382848	8.96	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	427530	9.98	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	356461	9.83	PPBV		96
88) ISOPROPYLBENZENE	15.903	105	928397	9.46	PPBV		99
89) BROMOBENZENE	16.006	77	404866	9.44	PPBV		94
90) 2-CHLOROTOLUENE	16.451	126	220437	9.40	PPBV		99
91) n-PROPYLBENZENE	16.487	120	244355	9.43	PPBV		100
92) 4-ETHYLTOLUENE	16.657	105	869439	9.78	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	744705	9.50	PPBV		100
94) ALPHA-METHYLSTYRENE	16.931	118	363710	9.81	PPBV		99
95) tert-BUTYLBENZENE	17.211	134	175370	9.66	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:53:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration

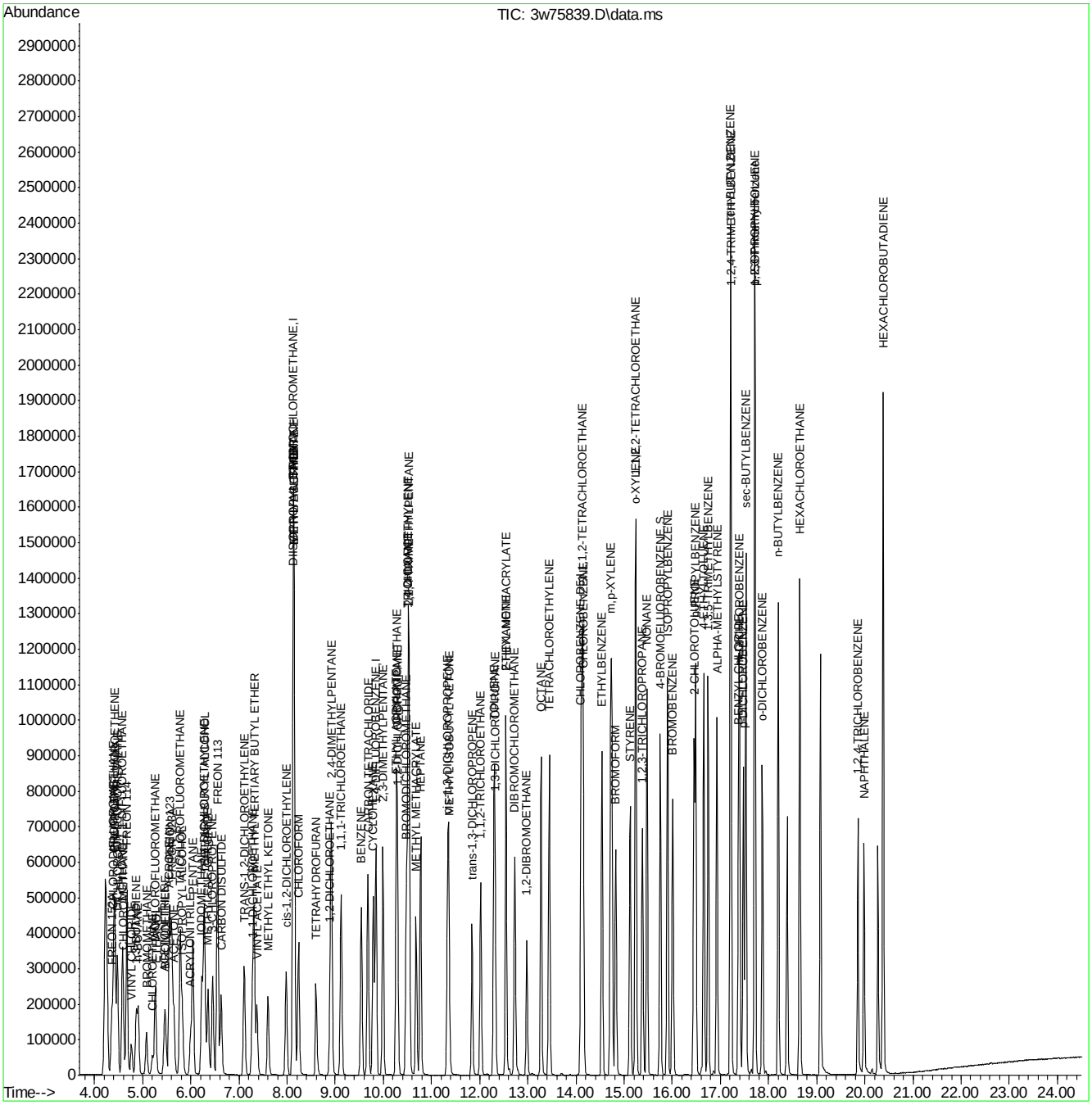
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96) 1,2,4-TRIMETHYLBENZENE	17.217	105	743486	10.01	PPBV		99
97) m-DICHLOROBENZENE	17.400	146	433400	9.27	PPBV		99
98) BENZYL CHLORIDE	17.375	91	538322	9.82	PPBV		99
99) p-DICHLOROBENZENE	17.479	146	427059	9.23	PPBV		99
100) sec-BUTYLBENZENE	17.527	134	223647	9.57	PPBV		96
101) 1,2,3-Trimethylbenzene	17.716	105	753802	9.82	PPBV		100
102) p-ISOPROPYLTOLUENE	17.716	134	239637m	9.71	PPBV		
103) o-DICHLOROBENZENE	17.874	146	427768	9.52	PPBV		99
104) n-BUTYLBENZENE	18.203	134	214426	9.85	PPBV	#	1
105) HEXACHLOROETHANE	18.647	117	314964	9.74	PPBV		95
106) HEXACHLOROBUTADIENE	20.381	225	397169	9.25	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	19.857	180	265653	10.16	PPBV		99
108) NAPHTHALENE	19.979	128	583554	10.10	PPBV		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:53:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration



Manual Integration Approval Summary

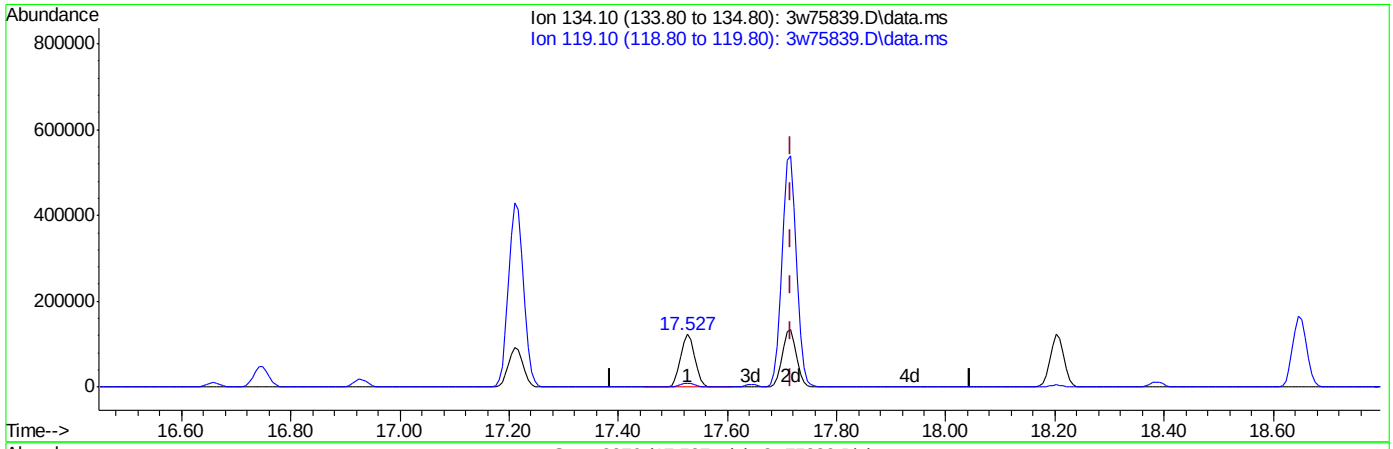
Sample Number:	V3W2984-CC2981	**Method:**	TO-15
Lab FileID:	3W75839.D	**Analyst approved:**	04/28/22 22:39 Benjamin Kim
Injection Time:	04/26/22 07:51	**Supervisor approved:**	04/29/22 00:31 Kanya Veerawat

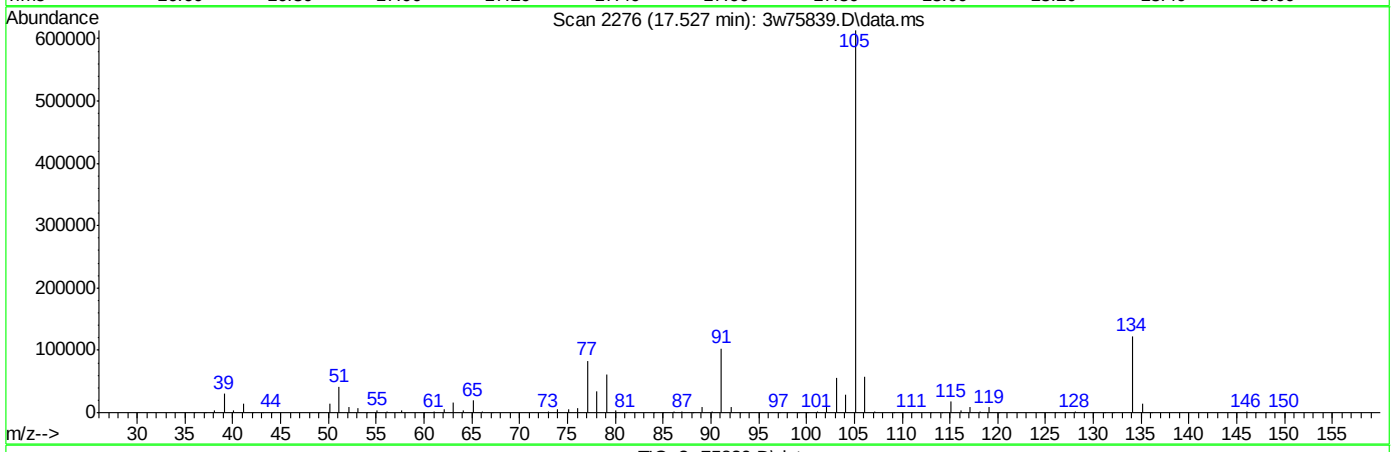
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:51:58 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75839.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 9.06PPBV

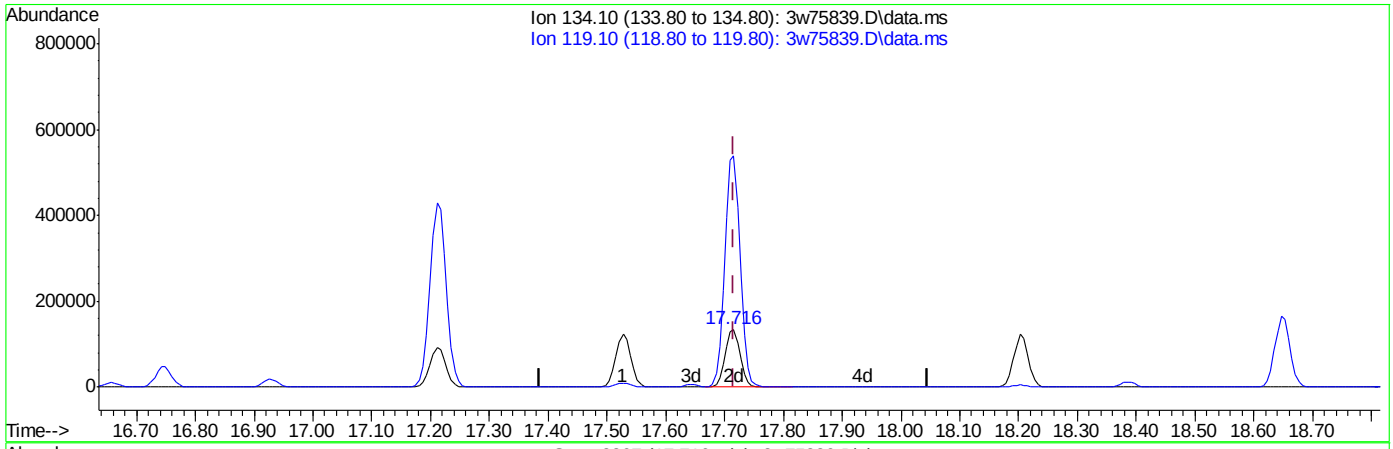
response 223647

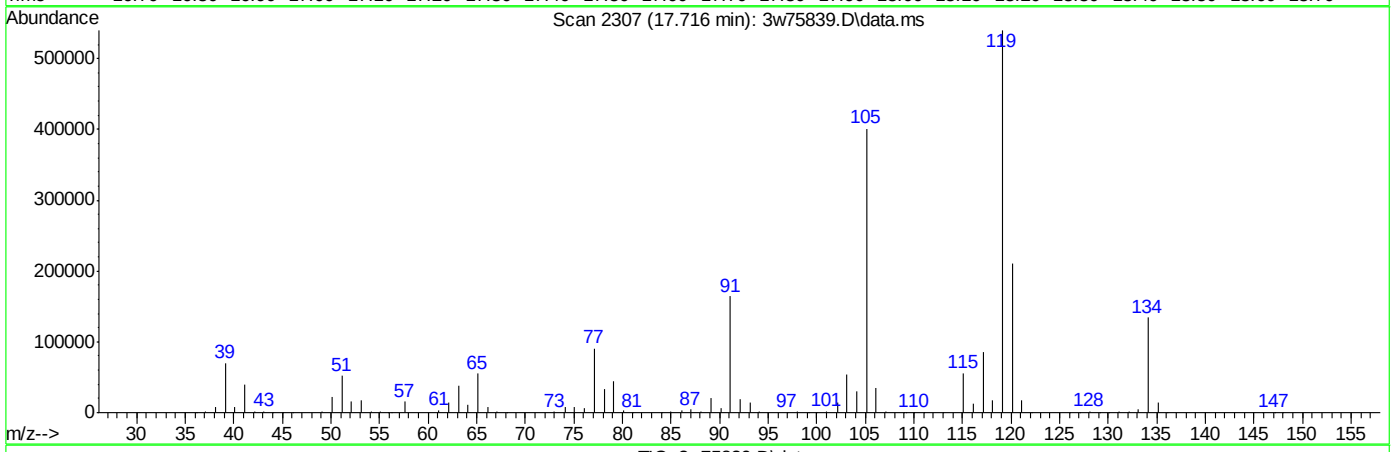
Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75839.D
Acq On : 26 Apr 2022 7:51 am
Operator : thomash
Sample : cc2981-10
Misc : MS57619,V3W2984,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 21:53:03 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Apr 26 22:20:27 2022
Response via : Initial Calibration





TIC: 3w75839.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 9.71PPBV m

response 239637

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.08
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/29/22 21:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75896.D
Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	8.128	128	99339	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.844	114	506681	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	14.102	82	270881	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.751	95	315070	10.94	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.40%				
Target Compounds							Qvalue
3) FREON 152A	4.362	65	78221	9.53	PPBV		90
4) CHLORODIFLUOROMETHANE	4.393	67	44821	10.29	PPBV		98
5) CHLOROTRIFLUOROETHENE	4.423	116	174354	8.87	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.478	85	448895	9.83	PPBV		99
7) PROPYLENE	4.417	41	136022	10.79	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.581	65	330322	9.88	PPBV		97
9) FREON 114	4.673	85	313155	9.14	PPBV		97
10) CHLOROMETHANE	4.600	52	35781	9.43	PPBV		92
11) VINYL CHLORIDE	4.770	62	112663	9.31	PPBV		100
12) 1,3-BUTADIENE	4.867	54	88844	9.25	PPBV	#	86
13) n-BUTANE	4.910	43	191898	10.02	PPBV		98
14) BROMOMETHANE	5.080	94	93884	7.29	PPBV		99
15) CHLOROETHANE	5.202	64	49435	8.66	PPBV		81
16) DICHLOROFLUOROMETHANE	5.263	67	271936	9.22	PPBV		98
17) ACETONITRILE	5.451	41	111704	10.90	PPBV		99
18) ACROLEIN	5.549	56	37483	8.45	PPBV		97
19) FREON 123	5.561	83	279211	9.25	PPBV		99
20) FREON 123A	5.604	117	167893	9.24	PPBV		92
21) TRICHLOROFLUOROMETHANE	5.780	101	409277	10.14	PPBV		100
22) ISOPROPYL ALCOHOL	5.823	45	293491	10.68	PPBV		97
23) ACETONE	5.646	58	63755	9.51	PPBV	#	82
24) PENTANE	6.042	42	172176	11.37	PPBV		98
25) IODOMETHANE	6.230	142	356991	9.17	PPBV		94
26) 1,1-DICHLOROETHYLENE	6.273	96	127225	9.19	PPBV		88
27) CARBON DISULFIDE	6.632	76	382861	9.71	PPBV		94
28) ETHANOL	5.281	45	51864	9.43	PPBV		98
29) BROMOETHENE	5.470	106	106569	8.45	PPBV		98
30) ACRYLONITRILE	5.999	52	94041	10.72	PPBV		99
31) METHYLENE CHLORIDE	6.358	84	114744	8.74	PPBV		87
32) 3-CHLOROPROPENE	6.455	76	61631	9.65	PPBV	#	74
33) FREON 113	6.559	151	234322	9.29	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	7.112	96	130442	8.98	PPBV		92
35) TERTIARY BUTYL ALCOHOL	6.285	59	276760	10.12	PPBV		93
36) METHYL TERTIARY BUTYL ...	7.313	73	405391	9.59	PPBV		94
37) TETRAHYDROFURAN	8.597	72	60224	9.32	PPBV	#	79
38) HEXANE	8.140	57	218361	10.46	PPBV		90
39) VINYL ACETATE	7.374	86	21434	9.23	PPBV	#	57
40) 1,1-DICHLOROETHANE	7.283	63	253205	10.10	PPBV		99
41) METHYL ETHYL KETONE	7.599	72	62295	9.50	PPBV	#	72
42) cis-1,2-DICHLOROETHYLENE	7.982	96	134822	9.11	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75896.D
Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) DIISOPROPYL ETHER	8.128	59	63868	10.31	PPBV	#	76
44) ETHYL ACETATE	8.146	61	45440	10.42	PPBV	#	65
45) METHYL ACRYLATE	8.146	55	267441	10.36	PPBV		98
46) CHLOROFORM	8.238	83	308998	9.50	PPBV		97
47) 2,4-DIMETHYLPENTANE	8.925	57	250965	10.07	PPBV		97
48) 1,1,1-TRICHLOROETHANE	9.120	97	350414	9.65	PPBV		97
49) CARBON TETRACHLORIDE	9.673	117	382564	10.08	PPBV		99
50) 1,2-DICHLOROETHANE	8.895	62	226008	10.27	PPBV		98
52) BENZENE	9.540	78	396281	9.44	PPBV		98
53) CYCLOHEXANE	9.789	84	171508	8.99	PPBV		93
54) 2,3-DIMETHYLPENTANE	9.990	71	88090	9.81	PPBV	#	89
55) TRICHLOROETHYLENE	10.513	95	193105	9.52	PPBV		98
56) 1,2-DICHLOROPROPANE	10.294	63	159639	10.25	PPBV		99
57) DIBROMOMETHANE	10.276	174	180823	9.24	PPBV		95
58) ETHYL ACRYLATE	10.264	55	325055	10.54	PPBV		98
59) BROMODICHLOROMETHANE	10.476	83	346688	10.08	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.531	57	712833	10.71	PPBV		99
61) 1,4-DIOXANE	10.513	88	86963	9.54	PPBV	#	89
62) HEPTANE	10.768	43	296340	11.40	PPBV		91
63) METHYL METHACRYLATE	10.677	69	146097	9.63	PPBV	#	83
64) METHYL ISOBUTYL KETONE	11.352	58	126020	10.27	PPBV	#	83
65) cis-1,3-DICHLOROPROPENE	11.334	75	251089	9.92	PPBV		87
66) TOLUENE	12.295	92	284240	9.46	PPBV		98
67) 1,3-DICHLOROPROPANE	12.320	76	244098	10.10	PPBV		98
68) trans-1,3-DICHLOROPROPENE	11.839	75	234769	9.84	PPBV		91
69) 1,1,2-TRICHLOROETHANE	12.022	83	144918	9.80	PPBV		98
71) 2-HEXANONE	12.545	58	163830	9.73	PPBV	#	84
72) ETHYL METHACRYLATE	12.545	69	249183	9.59	PPBV		86
73) TETRACHLOROETHYLENE	13.445	164	212923	8.33	PPBV		99
74) DIBROMOCHLOROMETHANE	12.727	129	349808	9.38	PPBV		100
75) 1,2-DIBROMOETHANE	12.977	107	265268	8.97	PPBV		100
76) OCTANE	13.275	43	407851	11.05	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	14.133	131	251910	9.53	PPBV		98
78) CHLOROBENZENE	14.151	112	394304	9.19	PPBV		98
79) ETHYLBENZENE	14.540	91	666265	9.33	PPBV		99
80) m,p-XYLENE	14.735	106	503735	18.87	PPBV		98
81) o-XYLENE	15.246	106	248841	9.52	PPBV		99
82) STYRENE	15.124	104	363686	9.10	PPBV		99
83) NONANE	15.471	43	439820	11.77	PPBV		94
84) BROMOFORM	14.826	173	330759	9.32	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	15.240	83	353682	9.94	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	15.380	75	294589	9.79	PPBV		98
88) ISOPROPYLBENZENE	15.897	105	777861	9.54	PPBV		99
89) BROMOBENZENE	16.006	77	334166	9.38	PPBV		95
90) 2-CHLOROTOLUENE	16.451	126	182482	9.37	PPBV		100
91) n-PROPYLBENZENE	16.487	120	203728	9.47	PPBV		100
92) 4-ETHYLTOLUENE	16.657	105	726065	9.84	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.743	105	624762	9.60	PPBV		99
94) ALPHA-METHYLSTYRENE	16.925	118	297781	9.67	PPBV		100
95) tert-BUTYLBENZENE	17.211	134	146707	9.73	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 3w75896.D
Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:30 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
96)	1,2,4-TRIMETHYLBENZENE	17.217	105	621903	10.09	PPBV		100
97)	m-DICHLOROBENZENE	17.400	146	364570	9.39	PPBV		99
98)	BENZYL CHLORIDE	17.375	91	448290	9.84	PPBV		98
99)	p-DICHLOROBENZENE	17.473	146	354239	9.22	PPBV		99
100)	sec-BUTYLBENZENE	17.527	134	187241	9.65	PPBV		95
101)	1,2,3-Trimethylbenzene	17.716	105	635749	9.98	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.716	134	204491m	9.98	PPBV		
103)	o-DICHLOROBENZENE	17.874	146	358723	9.61	PPBV		100
104)	n-BUTYLBENZENE	18.203	134	179607	9.93	PPBV	#	1
105)	HEXACHLOROETHANE	18.647	117	265322	9.88	PPBV		96
106)	HEXACHLOROBUTADIENE	20.381	225	348425	9.77	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	19.857	180	219201	10.10	PPBV		100
108)	NAPHTHALENE	19.979	128	477044	9.94	PPBV		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
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Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 16:36:30 2022
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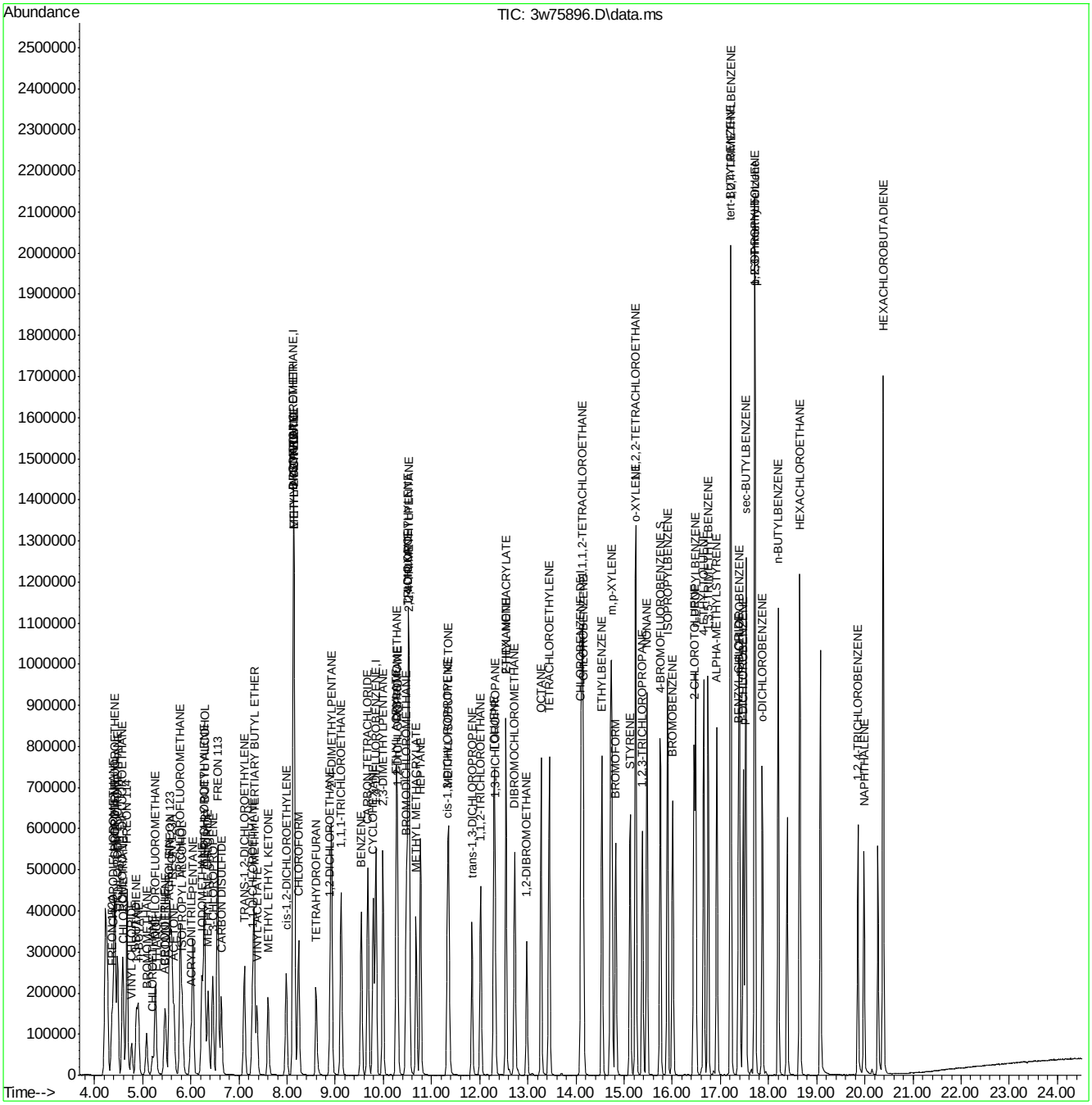
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration



Manual Integration Approval Summary

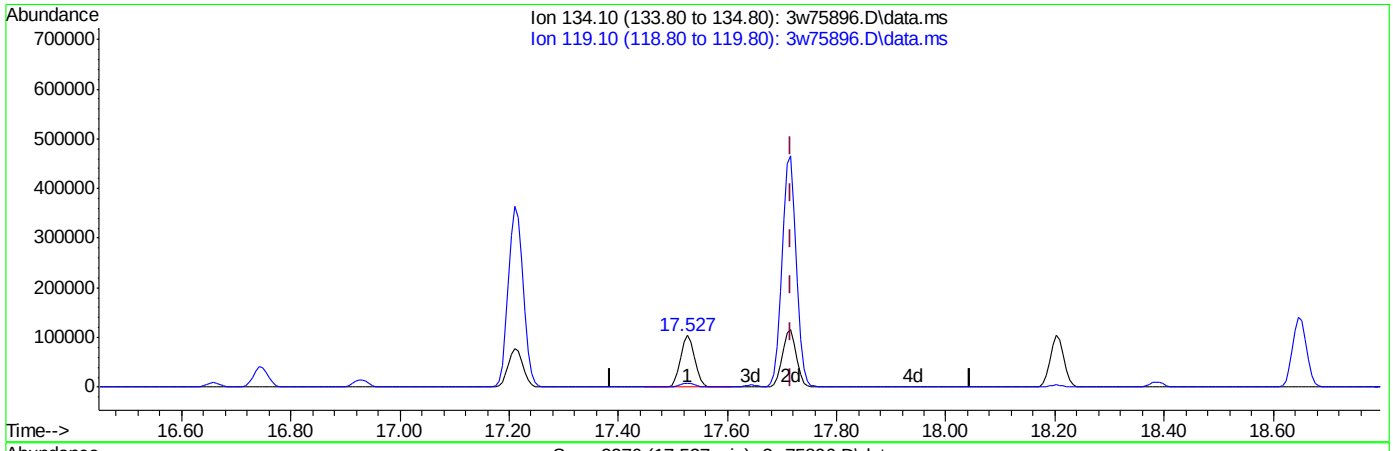
Sample Number:	V3W2986-CC2981	**Method:**	TO-15
Lab FileID:	3W75896.D	**Analyst approved:**	04/29/22 17:14 Benjamin Kim
Injection Time:	04/28/22 09:25	**Supervisor approved:**	04/29/22 21:12 Kanya Veerawat

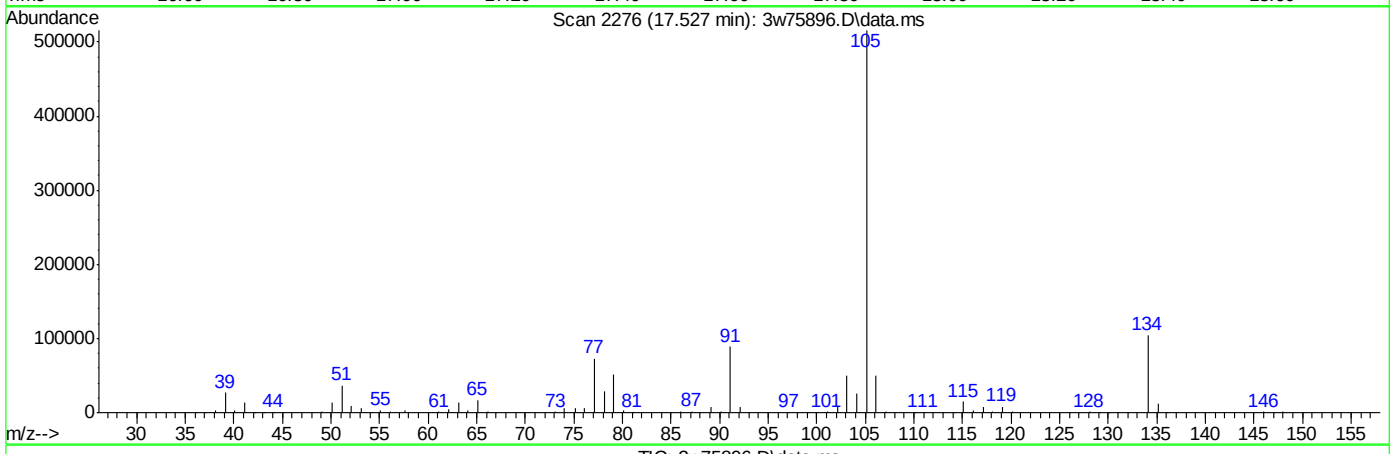
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.72	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75896.D
Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 28 09:56:22 2022
Quant Method : C:\msdchem\1\methods\M3W2981.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Apr 27 13:44:35 2022
Response via : Initial Calibration





TIC: 3w75896.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.527min (-0.189) 9.13PPBV

response 187241

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 3w75896.D
Acq On : 28 Apr 2022 9:25 am
Operator : thomash
Sample : cc2981-10
Misc : MS57899,V3W2986,,,,,1
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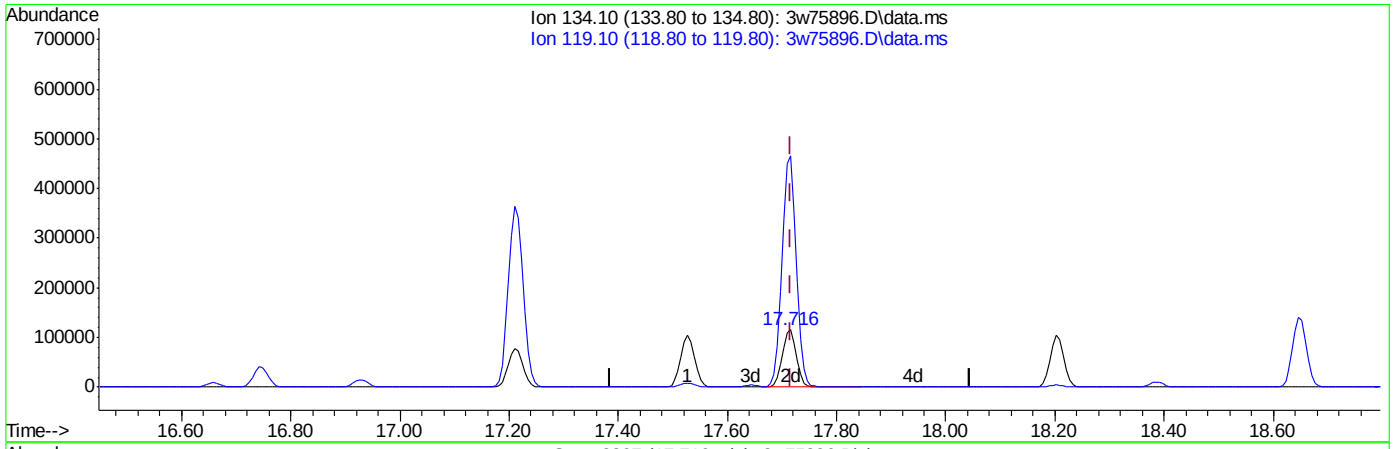

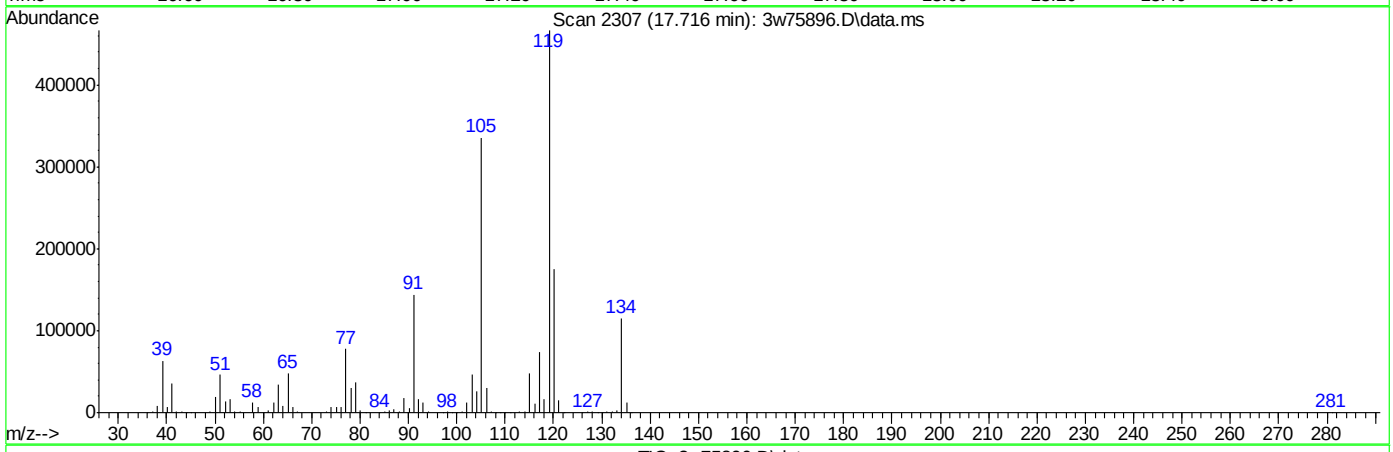

TIC: 3w75896.D\data.ms

(102) p-ISOPROPYLTOLUENE

17.716min (-0.000) 9.98PPBV m

response 204491

Ion	Exp%	Act%
134.10	100	100
119.10	3.90	7.04
0.00	0.00	0.00
0.00	0.00	0.00

TO-15

Batch ID: V2W2599

Date: 3/18/22

Analyst Signature:

Columns: DB-1 30m x0.25mm x0.5µm

Method: 2WTO15.M

Seq. File: 2W20220318-5

Initial Cal. Method: ~~M2W2579~~ M2W2599.M

AS Data

Method: TO15. 7200A.CTD

Standard Data

Lot #	Description	Conc.
AS9460	TO15 LCS (A965)	40ppbv
AS9473	TO15 LCS (A965)	40ppbv

Standard Data

Lot #	Description	Conc.
AS8188	Int/Surr.	100ppbv
AS9462	TO15 STD (A974)	40ppbv
AS9471	TO15 STD (A1261)	1.0ppbv
AS9461	TO15 LCS (A014)	40ppbv

(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: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
3	2W58344	IB		A962	20					—	
3	2W58345	IB		A962	20					—	
3	2W58346	IB		A962	20					—	
3	2W58347	IB		A962	20					—	
1	2W58348	BFB		A1261	40					OK	
1	2W58349	IC2599-0.5		A1261	200			✓	✓	OK	
1	2W58350	IC2599-0.2		A1261	80			✓	✓	OK	
1	2W58351	IC2599-0.1		A1261	40			✓	✓	OK	
1	2W58352	IC2599-0.04		A974	16			✓	✓	OK	
2	2W58353	IC2599-5		A974	50			✓	✓	OK	
2	2W58354	IC2599-10		A974	100			✓	✓	OK	
2	2W58355	IC2599-20		A974	200			✓	✓	OK	
2	2W58356	IC2599-40		A974	400			↑	✓	NG	Removed level from ical
2	2W58357	IC2599-50		A974	500			↑	✓	NG	Removed level from ical
3	2W58358	IB		A962	100					—	
3	2W58359	IB		A962	100					—	
4	2W58360	ICV2599-10		A014	100					RR	
3	2W58361	IB		A962	100					—	
5	2W58362	ICV2599-10		A965	100					RR	wrong portion injected
4	2W58363	ICV2599-10		A965	100			✓	✓	OK	benzyl ch loride ↑
									TH	3/19/22	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2600

Date: 3/18/22

Analyst Signature: [signature]

Columns: DB-1 30m x 0.25mm x 0.5µm

Method: 2WTO15.M

Seq. File: 2W2022-0318.S

Initial Cal. Method: M2W2599.M

AS Data

Method: TO15.7200A.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A59188	Int / Surr.	100ppbv
139462	TO15 STD (A974)	40ppbv

(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: [signature] Date: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W58364	BFB		open Position	400					ok	
2	2W58365	CC2599-10		A974	100			✓	✓	ok	benzyl chloride↑
2	2W58366	BS		A974	100			✓	✓	ok	benzyl chloride↑
2	2W58367	BSD		A974	100			✓	✓	ok	benzyl chloride↑
3	2W58368	IB		A962	100					—	
3	2W58369	MB		A962	400		+	✓	✓	ok	
4	2W58370	SCC CP11624		A1027	400			✓	✓	ok	
5	2W58371	SCC CP11623		M004	400			✓	✓	ok	
6	2W58372	SCC CP11624		A1058	400			✓	✓	ok	
7	2W58373	SCC CP11623		M234	400					NG	
8	2W58374	JD39984-6	STD+ MS56904	A693	100	1	+	✓	✓	ok	
9	2W58375	JD39984-1R		A1482	400	1	+	✓	✓	ok	~~[illegible]~~
10	2W58376	JD39984-2R		A858	400	1	+	✓	✓	ok	~~[illegible]~~
11	2W58377	JD39984-3R		A854	400	1	+	✓	✓	ok/DL	ethyl acetate↑
12	2W58378	JD39984-7		A231	~~400~~ 502	1.48					RR 4ml on hold
13	2W58379	JD40265-2	STD MS57202	A1080	400	1		✓	✓	ok/DL	Meclz Tri RR 20ml
13	2W58380	JD40265-2DUP	✓	A1080	400	1		✓	✓	ok	
14	2W58381	JD41428-3	MS57477	TBAG	100	1		✓	↑	RR	RR for CF
15	2W58382	JD41428-4	✓	TBAG	100	1		✓	✓	ok	
16	2W58383	JD41446-1	✓	TBAG, TBAG	40	1000		✓	✓	ok/DL	too dilute RR Bound this bag
1	2W58384	JD41023-3	NYSULL MS57296	A705	100	1		✓	✓	ok	
~~2~~ 3	2W58385	~~SCC CP11624~~ IB		A962	400					—	
4	2W58386	SCC CP11624		A1027	400					not used	
5	2W58387	SCC CP11623		M004	400					not used	
6	2W58388	SCC CP11624		A1058	400					not used	
7	2W58389	SCC CP11623		M234	400					NG	
									TH	3/21/22	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

DAYT-AIR-0006-06-FORM-TO15 Instrument Log 161 1/9/18

7.8.2

7

SGS

TO-15

Batch ID: V2W2601

Date: 3/21/22

Analyst Signature: [signature]

Columns: DB-1 30m x 0.25mm x 0.5μm

Method: 2WT015.M

Seq. File: 2W20220320.S

Initial Cal. Method: M2W2589.M

AS Data

Method: TO15 ; 72oAUTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A39188	Int/Surr	100ppbv
A39469	TO15 STD (A974)	40ppbv

(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: [signature] Date: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W58390	BFB		open position	400						
2	2W58391	CC2599-10		A974	100					ok	6:46AM
2	2W58392	CC2599-10		A974	100					RR	
2	2W58393	BS		A974	100			✓	✓	ok	
2	2W58394	BSD		A974	100			✓	✓	ok	
3	2W58395	IB		A962	100			✓	✓	ok	
3	2W58396	MB		A962	100					—	
~~4~~ 3 TH	2W58397	~~SCC CP11625~~ MB TH		A962	400			✓	✓	RR	wrong volume injected.
5	2W58398	SCC CP11626		~~A85~~ A962 TH	400			✓	✓	ok	
6	2W58399	SCC CP11628		A754	400			✓	✓	ok	
7	2W58400	SCC CP11629		A778	400			✓	✓	~~ok~~ TH	~~TCE hit~~ TH
8	2W58401	SCC CP11631		A824	400					NG	TCE hit
~~9~~ 4 TH	2W58402	~~SCC CP11632~~ TH		A1472	400			✓	✓	ok	A1472
~~10~~ 9 TH	2W58403	SCC ~~CP11602~~		~~A523~~ A851 TH	400			✓	✓	ok	CP11625
11	2W58404	SCC CP11631		~~A523~~ A454 TH	~~400~~ 400 TH			✓	✓	ok	CP11632
12	2W58405	SCC CP11629		A1293	400			✓	✓	ok	
13	2W58406	SCC CP11625		A829	400					NG	TCE hit Reclean batch
14	2W58407	~~SCC CP11608~~ TH	STD MS 57120	A1177	400			✓	✓	ok	
15	2W58408	SCC CP11626		~~A765~~ A1223 TH	400			✓	✓	ok	JD40794-13
16	2W58409	SCC CP11626		A763	400			✓	✓	ok	
1	2W58410	JD40794-6	✓	A875	400			✓	✓	ok	
2	2W58411	JD40794-7	✓	A1192	400	1		✓	✓	ok/DL	ethyl acetate ↑ RR on SW 4X
3	2W58412	JD40794-8	✓	A1191	400	1		✓	✓	ok/DL	over cal RR on SW 4X
4	2W58413	JD40794-9	✓	A883	400	1		✓	✓	ok/DL	over cal RR on SW 4X
5	2W58414	JD40794-10	✓	A056	400	1		✓	✓	ok/DL	over cal RR on SW 4X
~~6~~ 5 TH	2W58415	JD40794-10 DUP	✓	A304	400	1		✓	✓	ok/DL	over cal RR on SW 4X
6	~~2W58414~~ TH	JD40794-11	✓	A304	400	1		✓	✓	ok	
7	~~2W58415~~ TH	JD40794-12	✓	A631	400	1		✓	✓	ok/DL	over cal 2W58416 RR on SW 4X
8	~~2W58416~~ TH	SCC CP11630		A368	400	1		✓	✓	ok/DL	over cal 2W58417 RR on SW 4X
9	~~2W58417~~	SCC CP11630		M118	400			✓	✓	~~NG~~ ok TH	~~multiple hits~~ 2W58418 TH
				A339	400					NG	multiple hits 2W58419

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2601

Date: 3/21/22

Analyst Signature: [signature]

Columns: DB-1 30m x 0.25mm x 0.5
Method: 2WTO15.M
Seq. File: 2W20220321.TS
Initial Cal. Method: M2W2579.M

AS Data

Method: TO15.7200A.STD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A59188	Int/Surr	100 ppbv
A39469	TO15 STD (A974)	4 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: [signature] Date: 3/22/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
10	~~2W58418~~ TH	SCC CP11630		A028	400					NG	multiple hits 2W58420
11	~~2W58419~~ TH	JD40794-15	STD N557180	A291	400	1		✓	✓	OK	6:40 AM 2W58421
	~~2W58420~~ TH										

TH 3/22/22

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

TO-15

Batch ID: V2W2602

Date: 3/22/22

Analyst Signature:

Columns: DB-1 30m x 0.25mm x 0.5µm
Method: 2W TO15, M
Seq. File: 2W 20220322.S
Initial Cal. Method: M2W2539.M

AS Data

Method: TO15.7200A.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS7188	Int/Surr	100ppbv
AS3768	TO15 STD (A974)	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: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W58422	BFB		open position	400					OK	
2	2W58423	CC2589-LD		A974	100			✓	✓	OK	
2	2W58424	BS		A974	100			✓	✓	OK	
2	2W58425	BSD		A974	100			✓	✓	OK	
3	2W58426	IB		A962	100					—	
3	2W58427	MB		A962	400			✓	✓	OK	
4	2W58428	SCC CP11629		A1263	400			✓	✓	OK	
5	2W58429	SCC CP11630		A1355	400			✓	✓	OK	
6	2W58430	SCC CP11630		A1351	400			✓	✓	OK	
7	2W58431	SCC CP11630		A1184	400			✓	✓	OK	
8	2W58432	SCC CP11630		A1018	400			✓	✓	OK	
9	2W58433	SCC CP11630		A1068	400					NG	multiple hits position lock
10	2W58434	SCC CP11630		A1214	400					NG	multiple hits position lock
11	2W58435	SCC CP11630		A1326	400			✓	✓	OK	
12	2W58436	SCC CP11626		A1731	400			✓	✓	OK	
13	2W58437	SCC CP11626		A1046	400			✓	✓	OK	
14	2W58438	SCC CP11629		A1274	400			✓	✓	OK	
15	2W58439	SCC CP11629		A1276	400			✓	✓	OK	
16	2W58440	SCC CP11625		A1022	400			✓	✓	OK	
1	2W58441	SCC CP11625		A1298	400			✓	✓	OK	
2	2W58442	SCC CP11630		A1277	400			✓	✓	OK	
3	2W58443	SCC CP11630		A1458	400			✓	✓	OK	
4	2W58444	SCC CP11625		A1353	400			✓	✓	OK	
5	2W58445	SCC CP11625		A1560	400			✓	✓	OK	
6	2W58446	SCC CP11625		A1328	400			✓	✓	OK	
7	2W58447	SCC CP11625		A1390	400			✓	✓	OK	
8	2W58448	SCC CP11625		A1737	400			✓	✓	OK	
9	2W58449	SCC CP11625		A1639	400					NG	multiple hits position lock
10	2W58450	SCC CP11625		A1227	400					NG	multiple hits position lock
11	2W58451	SCC CP11629		A1353	400			✓	✓	OK	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2603

Date: 3/23/22

Analyst Signature:

Columns: DB-1 30m×0.25mm×0.25μm
Method: 2W7015.M
Seq. File: 2W 20220323.S
Initial Cal. Method: M2W2589.M

AS Data

Method: 7015.720A.CFD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A39188	Int/Surr	100ppbv
A39469	7015 STD (A974)	40ppbv

(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: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W58452	BPB			400					PK	
2	2W58453	BFB			100					OK	
2	2W58454	CC25DB-22		A974	100			✓	✓	OK	
2	2W58455	BS		A974	100			✓	✓	OK	
2	2W58456	BSD		A974	100			✓	✓	OK	
3	2W58457	IB		~~A651~~ A962	100					—	
3	2W58458	MB		A962	400			✓	✓	OK	
4	2W58459	SCC CP11637		A651	400			✓	✓	OK	
5	2W58460	SCC CP11635		A1039	400			✓	✓	OK	
6	2W58461	SCC CP11638		A872	400			✓	✓	OK	
7	2W58462	SCC CP11637		A708	400			✓	✓	OK	
8	2W58463	SCC CP11637		A325	400			✓	✓	OK	
9	2W58464	SCC CP11635		A1059	400			✓	✓	OK	
10	2W58465	SCC CP11635		A1199	400			✓	✓	OK	
11	2W58466	SCC CP11638		A475	400			✓	✓	OK	
12	2W58467	SCC CP11638		M169	400			✓	✓	OK	
13	2W58468	SCC CP11638		A1476	400			✓	✓	OK	
14	2W58469	SCC CP11638		A983	400			✓	✓	OK	
15	2W58470	SCC CP11638		M101	400			✓	✓	OK	
16	2W58471	SCC CP11635		A324	400			✓	✓	OK	
1	2W58472	SCC CP11637		A1075	400			✓	✓	OK	
2	2W58473	SCC CP11637		A275	400			✓	✓	OK	
3	2W58474	SCC CP11637		M469	400			✓	✓	OK	
4	2W58475	SCC CP11635		M230	400			✓	✓	OK	
5	2W58476	SCC CP11635		A1074	400			✓	✓	OK	
6	2W58477	SCC CP11602		A523	100			✓	✓	OK	
7	2W58478	SCC ~~CP11649~~		A699	100			✓	✓	OK	CP11627
8	2W58479	SCC CP11627		A576	100					NO	M.CL ↑
9	2W58480	SCC CP11627		A1125	100			✓	✓	OK	
10	2W58481	SCC CP11640		A664	400			✓	✓	OK	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2603

Date: 3/23/22

Analyst Signature: [signature]

Columns: DB-1 30m x 0.25mm x 0.5µ

Method: 2W TO15.M

Seq. File: 2w20220323.S

Initial Cal. Method: M2W2573.M

AS Data

Method: TO15_720cA.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9188	Int/Surr	100ppbv
AS9468	TO15 STD (A974)	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: [signature] Date: 3/25/2022

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
11	2W58482	See CP11640		A1354	400			✓	✓	M	

TH 3/24/22

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

DAYT-AIR-0006-06-FORM-TO15 Instrument Log

171

1/9/18

SGS

TO-15

Batch ID: V3W2981

Date: 4/23/2022

Analyst Signature:

Columns: RTX-1: 60m x 0.32mm x 1µm

Method: TO15W.M

Seq. File: 3W20220423.S

Initial Cal. Method: M3W2981

AS Data

Method: 6WTO15.CTD3

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS8842	TS/SS	100 ppbv
AS9508	TO15STD (A968)	40 ppbv
AS9509	TO15STD (A980)	1 ppbv
AS9507	TO-15 LCS (A965)	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the crite of SGS SOP EQA044.

Supervisor Signature: Date: 4/27/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comment
5	3W75770	BFB		OPEN	400					Ok	T= 0:24
1	3W75771	IB		A980	16						
1	3W75772	IC2981-0.04		A980	16			✓	✓	ok	
1	3W75773	IC2981-0.1		A980	40			✓	✓	ok	
1	3W75774	IC2981-0.2		A980	80			✓	✓	ok	
1	3W75775	IC2981-0.5		A980	200			✓	✓	ok	
2	3W75776	IC2981-5		A968	50			✓	✓	ok	
2	3W75777	IC2981-10		A968	100			✓	✓	ok	
2	3W75778	IC2981-20		A968	200			✓	✓	ok	
2	3W75779	IC2981-40		A968	400			✓	✓	ok	
2	3W75780	IC2981-50		A968	500			✓	✓	ok	
3	3W75781	IB		A962	100						
3	3W75782	IB		A962	100						
4	3W75783	ICV 2981-10		A965	100			✓	✓	NOT USED	BAD INTEGRATION
4	3W75784	ICV 2981-10		A965	100			✓	✓	ok	↓NAPHTHALENE
3	3W75785	IB		A962	100						
3	3W75786	IB		A962	100						
										4/24/2022	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

TO-15

Batch ID: V3W2984

Date: 4/26/2022

Analyst Signature:

Columns: RTX: 60m x 0.32 mm x 1 µm
Method: TO15W.M
Seq. File: 3W20220426.S
Initial Cal. Method: MSW2981.M

AS Data

Method: GWTO15.GTO3

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS8842	15155	10 ppbv
AS9508	TO15STD (A968)	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: 4/29/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comment
1	3W75838	BFB		OPEN	400					OK	T=7:10
2	3W75839	CC2981-10	MS57619	A968	100					ok	
2	3W75840	BS		A968	100					ok	
2	3W75841	BSD		A968	100					ok	
3	3W75842	IB		A962	100					ok	
3	3W75843	MB		A962	400						
4	3W75844	JD41997-A3	PCE,TCE,CF MS57754	A1497	400	1				OK	
4	3W75845	JD41997-A3 dup		A1497	400	1				ok	
5	3W75846	JD42001-2	PCE,TCE,CF MS57754	M164	400	1				ok	
6	3W75847	JD42001-4		A1481	400	1				OK	
7	3W75848	JD42001-3		A865	400	1				OK	
8	3W75849	JD42150-1	STB MS57846	A032	592	1.48				OK	
9	3W75850	JD42150-2		A1605	740	1.85				OK	
10	3W75851	JD42150-3		A357	706	1.75				ok	
11	3W75852	JD42150-4		A1472	612	1.53				OK	
12	3W75853	JD42150-5		M004	400	1				OK	
13	3W75854	JD42150-6		A019	400	1				OK	
14	3W75855	JD42150-8		A1496	400	1				OK	
15	3W75856	JD42150-9		A061	660	1.65				OK	
16	3W75857	JD42150-10		A992	640	1.60				OK	
1	3W75858	JD42150-11		A518	160	1.60				OK	
4	3W75859	JD42150-12		M187	148	1.48				ok	
5	3W75860	JD42150-13		A625	100	1				OK	
6	3W75861	JD42150-14		A790	100	1				OK	
7	3W75862	JD42095-2	NISVLL MS57824	A588	100	1				OK/DL	TPCE RR = 50cc
8	3W75863	JD42095-3		A436	148	1.48				OK	
9	3W75864	JD42095-4		A1105	153	1.53				OK	
10	3W75865	scc, CP11677		A1376	100	1				OK	
11	3W75866	scc, CP11677		A1391	100	1				OK	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

DAYT-AIR-0006-06-FORM-TO15 Instrument Log

153 1/9/18

SGS

TO-15

Batch ID: V3W2986

Date: 4/28/22

Analyst Signature:

Columns: ZTX-1 (60m x 0.32mm x 1.0u

Method: TO15W.M

Seq. File: 3w20220428.S

Initial Cal. Method: M3W2981.M

AS Data

Method: 3WTO15.CTD3

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A:9188	Int/Surr.	100ppbv
AS988	TO15STD(A968)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the cri of SGS SOP EQA044.

Supervisor Signature: Date: 4/29/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Commen
1	3w75895	BF13		OPEN POSITION	400					ok	T=844am
2	3w75896	cc2981-10		A968	100			✓	✓	ok	
2	3w75897	BS		A968	100			✓	✓	ok	
2	3w75898	BSD		A968	100			✓	✓	ok	
3	3w75899	IB		A962	100					ok	
3	3w75900	MB		A962	400		+	✓	✓		
4	3w75901	JD42255-26	STD MS57899	A708	400	1		✓	✓	ok	
4	3w75902	JD42255-26DUP	✓	A708	400	1		✓	✓	ok	
5	3w75903	JD42255-27	✓	A651	400	1		✓	✓	ok	
6	3w75904	JD42255-28	✓	A872	400	1		✓	✓	ok	
7	3w75905	JD42255-29	✓	A296	400	1		✓	✓	ok	
8	3w75906	JD42255-30	✓	A664	400	1		✓	✓	ok	
9	3w75907	JD42255-31	✓	A1046	400	1		✓	✓	ok	
10	3w75908	JD4225-32	✓	M126	400	1		✓	✓	ok	
11	3w75909	JD42255-33	✓	A1276	400	1		✓	✓	ok	
12	3w75910	JD42255-34	✓	A983	400	1		✓	✓	ok	
13	3w75911	JD42255-35	✓	A275	400	1		✓	✓	ok	
14	3w75912	JD42255-36	✓	A458	400	1		✓	✓	ok	
15	3w75913	JD42255-37	✓	A1263	400	1		✓	✓	ok	
BL 4/29/22 16	3w75914	~~JD42255-1716-1~~	NYSVLL MS57619	A406	50	1		✓	✓	ok	
1	3w75915	JD40386-1R	STD+ MS57824	A649	400	1	+	✓	✓	ok/DL	JD41716-1
4	3w75916	JD40386-2R	—	A1467	400	1	+	✓	✓	ok	
5	3w75917	JD40386-3R	—	A1469	400	1	+	✓	✓	ok	
6	3w75918	JD42150-4	STD MS57846	A790	50	1		✓	✓	ok	
7	3w75919	~~JD41855-7~~	NYSVLL MS58163	~~A673~~	155	1.55		✓	✓	ok/DL	
8	3w75920	scc, cp11715		M019	400	1		✓	✓	ok ~~DL~~	JD42095-1
9	3w75921	JD42334-1	STD MS57950	M197	100	1		—	—	NG	↑ETHANOL, RBLANK
* 10	3w75922	scc, cp11648		A1287	400	1		✓	✓	ok	
11	3w75923	scc, cp11687		M067	400	1		✓	✓	ok	
12	3w75924	scc, cp11684		A1729	400	1		✓	✓	ok	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.